

EA02-027

FORD 8/5/03

LETTER TO ODI

APPENDIX A

5 BOXES

BOX 4 OF 5

PART 4 OF 4

From: Tiu Jr., Rogelio (R.G.)
Sent: Tuesday, November 26, 2002 2:50 AM
To: Kreiger, Erik (E.); Foley, Miyako (M.)
Cc: Fukushima, Takashi (T.); Okazaki, Yoshinori (Y.); Corbett, Sandra (S.M.); Baudo, John (J.); Grimes, Jeff (J.R.); Sharif, Saj (S.G.); Pedro, Romualdo 'Dong' (R.O.); Lejano, Raul Emmanuel (RVL.)
Subject: Urgent:Old IA Valve for Duratec 3.0 Liter Engine

Hello,

My name is Oggie Tiu. I am in Charged of Ford Motor Company Philippines Imported Parts Supply Chain. We are in need of your assistance in providing us Old Level IAC Valve (P/N AJ03-20660-A/YF1E-9F715-AB) for Duratec Engines. Yesterday, we already detected 36 units of Duratec Engines with NEW IAC Valve. We still have 288 units of engines coming in tomorrow and we fear that all these engines are new level engines also. Right now, I estimate that we need atleast 420 pcs worth of Old IAC Valve for us to match all our October 2002 Pack Kits. We want to know if these old level IAC valves are still available for us to procure and how many are in stock.

Fukushima San of OPED referred me to you.

I am attaching notes related to the issue for your reference.

Thanks.



*RE: Urgent: IAC Valve
for For...*



*RE: Effective Timing
Issue on ...*

Miyako,

From one of the notes above, Information about the Cums of Old level Engines was Provided to Taiwan that is why they were able to order old level IAC valve before the the problem hit them. This is the same information we are looking for before but apparently CEP2 informed you that this is not possible. Can you please clarify.

Thanks.

*Rogelio G. Tiu Jr.
Senior Supply Chain Analyst
Material Planning and Logistics
Ford Motor Company Phils.
Tel: 6349-541-5097
Fax: 6349-541-5030
Email: rtiu@ford.com*

From: Foley, Miyako (M.)
Sent: Monday, November 25, 2002 9:17 AM
To: McCown, Thomas (T.P.); Monroe, Pat (P.A.)
Cc: Takashi Higuchi (E-mail); 'emiko.saito@sumitomocorp.co.jp'; Tiu Jr., Rogelio (R.G.); Beardo, John (J.); Foley, Miyako (M.)
Subject: RE: Urgent : IAC Valve for Ford of Philippines
Importance: High



FW: Urgent: Durotec
Engine Inc..

Pat / Tom,

Ford of Philippines is in an urgent situation to replace IAC valves (YF1E-9F715-AB). As you know the engineering change was not coordinated well and the change happened without much of preparation at our customers' side.

Anyway, could you tell me if you have any inventory of this part and if so can we ship some for FMCP? Please respond to me immediately. Thank you.

Best regards,
Miyako Foley
Regional Supervisor
Asia Pacific (Japan/Philippines)
International Export Operations
Tel (313)845-3286
Fax (313)621-6483
mfoley8@ford.com

—Original Message—

From: Tiu Jr., Rogelio (R.G.)
Sent: Sunday, November 24, 2002 9:57 PM
To: 'emiko.saito@sumitomocorp.co.jp'; Tiu Jr., Rogelio (R.G.)
Cc: Foley, Miyako (M.); Takashi Higuchi (E-mail)
Subject: RE: Urgent :Need Help

Salto San,

If thats the case, what channel would be more appropriate? I am attaching a note for the reason why we are ordering this part. We have already detected 36 units of engines with higher level of IAC valve. The effective timing was severely affected by the US west coast strike, we cannot count our inventory all at once because mosty of the stock are still at the West coast port. Most of Them only arrived last November 14, 2002.

Please advise.

Miyako,

Is the part available at US side? The equivalent Ford Part Number is YF1E-9F715-AB.

Thanks.

Rogelio G. Tiu Jr.
Senior Supply Chain Analyst
Material Planning and Logistics
Ford Motor Company Phils.
Tel: 6349-541-5097
Fax: 6349-541-5030
Email: rtiu@ford.com

—Original Message—

From: emiko.saito@sumitomocorp.co.jp [mailto:emiko.saito@sumitomocorp.co.jp]
Sent: 25 November 2002 10:33
To: rtiu@ford.com
Subject: RE: Urgent :Need Help

Rogelio san,

According to Mazda, the price is as follows.

part no.	part name	unit price
AJ03-20660-A	IAC VALVE	

They have no stock which they can supply through PSPO channel.

when you need parts or requirement as this urgently,
we would like you to explain the detailed background and purpose, considering Mazda's situation,
Mazda do their best usually,
and especial requirement needs more effort and help than usual.

-----Original Message-----

From: rtiu /MIME/dd.RFC-822=rtiu@ford.com [mailto:rtiu@ford.com]

Sent: Monday, November 25, 2002 10:52 AM

To: Saito, Emiko /JPN-1,SMT-自動車第三部-EHWGZ,Tokyo/dd.MAC=EHWGZ

Subject: Urgent :Need Help

Saito San,

We would like to ask for assistance in determining the price of this part and if MC has stock.

AJ03-20660-A	IAC valve
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Please reply immediately.

Thanks.

Rogelio G. Tiu Jr.

Senior Supply Chain Analyst

Material Planning and Logistics

Ford Motor Company Phils.

Tel: 6349-541-5097

Fax: 6349-541-5030

Email: rtiu@ford.com

From: Foley, Miyako (M.)
Sent: Thursday, October 10, 2002 2:48 PM
To: Tiu Jr., Rogelio (R.G.)
Cc: Beauda, John (J.); Foley, Miyako (M.)
Subject: FW: Urgent: Duratec Engine Inquiry

Oggle, as you see the note, this change was not coordinated well at all at CEP#2 by the engineers. Mazda is facing a same problem but I am not able to obtain the solid information of the change. Mazda decided to check each engine at their warehouse to separate the engines. At this point I would have to suggest the same operation at FMCP. I fully understand that this is very inconvenient for you. But again the engineers did not coordinate this change well at all and the change point is "unknown". Sorry we could not help you out...

Best regards,
Miyako Foley
Regional Supervisor
Asia Pacific (Japan/Philippines)
International Export Operations
Tel (313)845-3286
Fax (313)621-8483
mfoley8@ford.com

-----Original Message-----

From: Monroe, Pat (P.A.)
Sent: Thursday, October 10, 2002 10:00 AM
To: Foley, Miyako (M.)
Subject: FW: Urgent: Duratec Engine Inquiry

Miyako,

We are still making an attempt to provide the answer that you need for the Philippines branch of Ford Motor; however, as you will see from the information on the attached notes the specific data will be difficult to provide.

-----Original Message-----

From: Friedrich, Joe (J.A.)
Sent: Thursday, October 10, 2002 8:54 AM
To: Czuminski, Dennis (D.); Grimes, Jeff (J.R.)
Cc: Monroe, Pat (P.A.); McCown, Thomas (T.P.); Regas, Mike (M.P.)
Subject: RE: Urgent: Duratec Engine Inquiry

The new IACV was incorporated into production as it became PSW available and in volume. Dennis, please provide the first date in production of the new IACV. Of course since we cannot guarantee a full FIFO rotation of engine stock due to campaigns and general dock conditions in high end-item inventory building making the answer on the number of engines with old IACVs still in ship bank virtually impossible to answer without breaking down every row.

Jeff, again this goes back to our "discussion/debate" on how this change was handled without engine code tag changes. Please clarify for Mr. Tiu the implications of unmatched PCMs/IACVs and what is an "acceptable mismatch" for calibration.

Regards, *Joe Friedrich*
CEP#2 MP&L, Supervisor- Launch, Change Control & Analysis
Outside 216-878-5228- FAX 216-878-3747
Ford Dial Net 823-3229- FAX 823-3747
E-mail: jffrdric@ford.com

-----Original Message-----

From: McCown, Thomas (T.P.)
Sent: Thursday, October 10, 2002 7:25 AM
To: Fridrich, Joe (J.A.)
Cc: Monroe, Pat (P.A.)
Subject: FW: Urgent: Duratec Engine Inquiry

-----Original Message-----

From: Tiu Jr., Rogelio (R.G.)
Sent: Thursday, October 10, 2002 2:06 AM
To: McCown, Thomas (T.P.)
Cc: Beauda, John (J.)
Subject: Urgent: Duratec Engine Inquiry

Hello Thomas. My Name is Oggie Tiu and I am incharge for the supply chain of Ford Motor Company Philippines. I got your name as our contact for our Duratec engines through CMMS.

This is regarding the Engineering Change Notice for Duratec Engines. For KCAP 03MY, the Idle Air Control Valve (IAC Valve) for Duratec Engines and Powertrain Control Module (PCM) have been changed by Ford. The two parts have been changed as shown below:

ECN Number: 02n-0348

	New		Old	
	MC Part No.	Ford Part No.	MC Part No.	Ford Part No.
Engine	AJ08-E5000-A	IG-754-AB	AJ08-E5000-A	IG-754-AB
IAC Valve	AJ71-20660	IL8E-9F715-AA	AJ03-20660-A	YF1E-9F715-AB
PCM	AJ75-18881-A	3L8A-12A660-JB	AJ75-18881	3L8A-12A660-JA

According to the ECN the two part should be incorporated to our production at the same timing. New engines with new IAC valve is not interchangeable to the OLD PCM. wrong parts combination could cause our vehicle to stop while running. The new PCM is interchangeable with old and new engines but the effectivity for this part is still November 2002 pack Month (Japan Kit).

The problem right now is that we still have stock of old PCM that we want to match with Old Duratec Engines. At this time we do not know exactly how many old Duratec Engines (w/old IAC Valve) was shipped and will still be shipped to us. In this regard we would like to know the following information:

- quantity of Old Duratec Engines with Old IAC Valve that was already shipped to us or will still be shipped to us
- If the new engines are being built already when was it implemented at your side. Are there already engines shipped to us already?

It was decided that we will use all our old stock of PCM and if matching problems occurs we will have to order the Old IAC valve in order to match them. That is why we want to have a least a forward estimate of how many do we really need.

Thanks.

John,

Please assist us also to trace the engines delivered to us.

Thanks.

Rogelio G. Tiu Jr.
Senior Supply Chain Analyst
Material Planning and Logistics
Ford Motor Company Phils.
Tel: 6349-541-5097
Fax: 6349-541-5090
Email: rtiu@ford.com

FMCP should check all Duratec Engines. If new engines are found, we should not put these engines into production should report the matter to OPED so that the new IAC valve will be replaced with Old IAC Valve until we consume all old level PCM.

Implementation timing of the NEW PCM is November 2002 pack. Right Now we are still using October 2002 pack kits hence OLD level PCM are still being used. However, we are already receiving new level engines and there is a big chance that all our engine stock including our transshipment pipeline are already new.

I will check on the availability of new level PCM with our local supplier as per your suggestion but its very unlikely that they have stock right now. Plus you have to understand the obsolescence that we will encounter if we already use the new PCM. I estimate that there will be atleast 500 old PCM that will be obsolete if we use the new PCM.

Thanks

Rogelio G. Tiu Jr.
Senior Supply Chain Analyst
Material Planning and Logistics
Ford Motor Company Phils.
Tel: 6349-541-5097
Fax: 6349-541-5030
Email: rtiu@ford.com

—Original Message—

From: fukushima.tak@mazda.co.jp [mailto:fukushima.tak@mazda.co.jp]

Sent: 25 November 2002 17:34

To: rtiu@ford.com

Cc: rfejano@ford.com; jpaz6@ford.com; jllm7@ford.com; emiko.saito@sumitomocorp.co.jp;
shimomuki.m@mazda.co.jp

Subject: RE: Effective Timing Issue on Engineering Change for U204/J14 -RESEND

Dear Rogelio-san,

We were very surprised to receive your e-mail at this time.

You are originally purchasing PCM as LP.

It was thought that this issue was able to have completed by as per preparing new PCM by our information at

Upon confirming our old engine stock, it is estimated that we will be affected by Wednesday Afternoon or Early Thursday Morning. As of the moment, we only have 38 pcs new level. Containers of engines will arrive tomorrow morning and will be checked at once (288 units), it is very likely that all these engines are new already hence we need it replaced also.

Thanks.

Salto San,

This is related to order number IH-1L. Please wait for instruction.

Thanks.

Rogelio G. Tiu Jr.
Senior Supply Chain Analyst
Material Planning and Logistics
Ford Motor Company Phils.
Tel: 6349-541-5097
Fax: 6349-541-5030
Email: rtiu@ford.com

—Original Message—

From: Paz, Jocel (J.C.)
Sent: 25 November 2002 15:01
To: Tiu Jr., Rogelio (R.G.)
Subject: FW: Effective Timing Issue on Engineering Change for U204/J14 -RESEND

Jocel Paz
ECC Analyst - Material Planning & Logistics
Manufacturing Department
Tel: 63-049-541-5252
Fax: 63-049-541-5030
E-mail: jpaz6@ford.com

—Original Message—

From: Azarcon, Allan (C.)

Sent: Monday, November 25, 2002 2:44 PM

To: Paz, Jocel (J.C.)

Subject: FW: Effective Timing Issue on Engineering Change for U204/J14 -RESEND

—Original Message—

From: Carrasco, Orlando (O.G.)

Sent: Wednesday, October 23, 2002 9:10 AM

To: Zordilla, Zen (Z.D.); Paz, Jocel (J.C.); Azarcon, Allan (C.); Mirador, Edgar (EMM.)

Subject: FW: Effective Timing Issue on Engineering Change for U204/J14 -RESEND

Info. Please cascade this information to Visteon. Thanks.

Orly G. Carrasco

Production Purchasing Manager

Ford Motor Company Philippines

Phone: (63-49) 541-5210

Fax: (63-49) 541-5040

ocarrasco@ford.com

—Original Message—

From: fukushima.tak@mazda.co.jp [mailto:fukushima.tak@mazda.co.jp]

Sent: Wednesday, October 23, 2002 8:58 AM

To: ocarrasco@ford.com

Cc: rejano@ford.com; ykaneko@ford.com; shimomuki.m@mazda.co.jp; ikemura.m@mazda.co.jp;

From: shimomukim@mazda.co.jp
Sent: Monday, November 25, 2002 8:28 PM
To: Fukushima, Takashi (T.)
Subject: FW: Effective Timing Issue on Engineering Change for U204/J14



FW: 10/24/02/U204/J14
FORD/MAZDA...

-----Original Message-----

From: Okazaki Yoshinori (岡崎 義則)
Sent: Thursday, October 24, 2002 4:37 PM
To: 'afan@ford.com'; 'Simon hung-I Chen'
Cc: Shimomuki Mitsuru (下向 満); 'ykaneko@ford.com'; Fukushima Takashi (福島 ?); 'Chu, Janny (J.)'; 'ekreiger@ford.com'
Subject: RE: Effective Timing Issue on Engineering Change for U204/J14

Fan-san, Chen-san,

Please refer to attached e-mail.

We are sorry to make you puzzled, but it is now not necessary to contact Ms. Sandra Corbett.

It has been found that old IAC valves can be supplied from Mr. Erik Kreiger, Ford FCSD.
Could you please place an urgent order with him for 400 pcs. of old valves?
And, you can claim the cost of valve and air freight to MC.

Best Regards,
T. Fukushima / Y. Okazaki

-----Original Message-----

From: Okazaki Yoshinori (岡崎 義則)
Sent: Wednesday, October 23, 2002 6:24 PM
To: 'Simon hung-I Chen'; afan@ford.com
Cc: Shimomuki Mitsuru (下向 満); ykaneko@ford.com; Fukushima Takashi (福島 ?); Chu, Janny (J.)
Subject: RE: Effective Timing Issue on Engineering Change for U204/J14

Chen-san,

Yes, we will contact her.

What we want FLH is to contact her from your end, too, so as to make her well understand the situation.

Best Regards,
T. Fukushima / Y. Okazaki

-----Original Message-----

From: Simon hung-I Chen [mailto:schen13@ford.com]
Sent: Wednesday, October 23, 2002 5:51 PM
To: Okazaki Yoshinori (岡崎 義則); afan@ford.com
Cc: Shinomuki Mitsuru (下向 満); ykaneko@ford.com; Fukushima Takashi (福
島 ?); Chu, Janny (J.)
Subject: Re: Effective Timing Issue on Engineering Change for U204/J14
Importance: High

Fukushima san,

We still expect MC to contact with Sandra regarding direct shipment 400EA of
old IAV to FLH by A/P with pre-paid. Your support is appreciated. Thanks.

Regards
Simon Chen
PPP Manager- FLH
Tel: 886-3-4530791
Fax: 886-3-4636212

----- Original Message -----

From: <okazaki.yo@mazda.co.jp>
To: <schen13@ford.com>; <afan@ford.com>
Cc: <shinomuki.m@mazda.co.jp>; <ykaneko@ford.com>;
<fukushima.tak@mazda.co.jp>
Sent: Wednesday, October 23, 2002 2:55 PM
Subject: RE: Effective Timing Issue on Engineering Change for U204/J14

> Fan-san, Chen-san,
>
> MC is now trying to arrange urgent parts supply to FLH.
>
> We think that the best way is to supply the parts directly from USA to
> FLH, so as to shorten transportation time.
>
> Following is Ford contact window in US.
>
> Sandra Corbett (SCORBETT)
> E-mail Address scorbett@ford.com
> Telephone Number 1-313-5944351
> Fax Number 1-313-5944351
>

> Our R&D dept. is going to have pictel meeting tomorrow with her, but, we would like FLH to directly contact her and explain your situation so as to make new parts available as immediately as possible.

>

> Your understanding and cooperation would be appreciated.

> Best Regards,

> T. Fukushima / Y. Okazaki

>

>

>

> ~~Original Message~~

> From: Simon hung-I Chen [mailto:schen13@ford.com]

> Sent: Wednesday, October 23, 2002 2:41 PM

> To: Fukushima Takashi (福島 ?); afan@ford.com

> Cc: Shimomuki Mitsuru (下向 満); ykaneko@ford.com; Okazaki

Yoshinori (岡

> 崎 義剛)

> Subject: Re: Effective Timing Issue on Engineering Change for U204/J14

> Importance: High

>

>

> Fukushima san,

>

> The answer is as follows:

>

> 1. The quantities of new engine in plant are 65 EA (including unboxing:

22

> EA)

>

> 2. The quantities of new engine at outside container yard are 96 EA.

>

> 3. The quantities of new engine on the way from USA are 708 EA.

>

> 4. The daily production plan for 3.0L model from 10/28,

>

>	Date	Volume
>	10/ 28	* 60
>	10/29	* 40
>	10/30	* 20
>	10/31	* 20
>	11/1	* 0
>	11/4	* 0
>	11/5	* 0
>	11/6	* 0
>	11/7	* 0
>	11/8	* 20
>	11/9	* 20
>	11/11	* 40
>	11/12	* 40

>>>
>>>
>>> Best regards,
>>>
>>> Hsiu-chin Fan 范秀琴
>>> PPP / MP&L
>>> Ford Lia Ho Motor Company Ltd.
>>> ——— Original Message ———
>>> From: Simon hung-I Chen <mailto:schen13@ford.com>
>>> To: C. C. <mailto:chs3@ford.com> Hsu ; Lin, John
>>> <mailto:jlin8@ford.com> (J.)
>>> Cc: Yeh, S j <mailto:syeh@ford.com> (S.) ; Fan, Hc
>>> <mailto:hfan1@ford.com> (H.) ; Fan, A. L. <mailto:afan@ford.com> (A. L.)
;
>>> Kuo, Alan <mailto:akuo@ford.com> (A.)
>>> Sent: Thursday, October 03, 2002 5:04 PM
>>> Subject: Fw: Effective Timing Issue on Engineering Change for U204/J14
>>>
>>> John / C. C.
>>>
>>> As the attached file stated, U204 / J14 Engine and PCM will be changed
> in
>> KCAP 2003, however it only shows Engine parts level change. Could you
> please
>> check PCM part number and check whether the 2 parts shall be introduced
at
>> the same time and then H.C. will confirm it with USA and MC when the 2
> parts
>> will be effective ? Thanks.
>>>
>>> Regards
>>> Simon Chen
>>> PPP Manager- FLH
>>> Tel: 886-3-4530791
>>> Fax: 886-3-4636212
>>> ——— Original Message ———
>>> From: akuo <mailto:akuo@ford.com>
>>> To: SIMON <mailto:SCHEM13@FORD.COM> CHEN ; * ? ?
>>> <mailto:RLEE25@FORD.COM> ; ツイ クUキ
>>> <mailto:wchien2@ford.com> ; Lee T.Y. <mailto:tlee20@ford.com>
>>> Cc: 怪 <mailto:MCHUANG@FORD.COM> れバ ; C. J. FU
>>> <mailto:CWU4@FORD.COM> ; K. F. YANG <mailto:KYANG@FORD.COM> ; W. OUYANG
>>> <mailto:DOUYANG@FORD.COM> ; PROTON LEE <mailto:PLEE6@FORD.COM> ; Tang
>>> Steve <mailto:Stang2@ford.com> ; ヤx フbクU
>>> <mailto:JHONG3@FORD.COM> ; A. L. FAN <mailto:AFAN@FORD.COM>
>>> Sent: Thursday, October 03, 2002 4:08 PM
>>> Subject: Fw: Effective Timing Issue on Engineering Change for U204/J14
>>>
>>> R. S. and T. Y. Lee,

From: shimomuki.m@mazda.co.jp
Sent: Thursday, October 24, 2002 3:05 AM
To: Fukushima, Takashi (T.); Okazaki, Yoshinori (Y.)
Subject: FW: 10/24 U204/J14 FORD/MAZDA PT OPD Audio MEETING

Importance: High

-----Original Message-----

From: Grimes, Jeff (J.R.) [mailto:jgrimes1@ford.com]
Sent: Wednesday, October 23, 2002 10:34 PM
To: Ichikawa Junichirou (市川 潤一郎); Corbett, Sandra (S.M.); Yeung, Lem (L.); Hale, Tony (A.S.); Grimes, Jeff (J.R.); Oda, Tanaki (T.); Szczepanski, Kyoko (K.); Shiraishi Masaru (白石 優); Takubo Hiroichi (田窪 博一); Hamano Naoumi (濱野 直生); Yamashita Shigeki (山下 繁樹); Ohga Muneyuki (大神 宗之); Roberts, Janet (J.); Benedict, Kim (K.A.); Nehasil, Linda (L.F.); Foley, Miyako (M.); Kawasaki Shunsuke (川崎 俊介); Shimomuki Mitsuru (下向 満); Asazuki Hideaki (朝月 英明); Yahiro Tetsuji (八尋 哲治)
Cc: Hasebe Tsuyoshi (長谷部 剛); Kreiger, Erik (E.)
Subject: RE: 10/24 U204/J14 FORD/MAZDA PT OPD Audio MEETING
Importance: High

Item number #1 should already be considered closed.

Erik Kreiger, Ford FCSD, was provided as PRIMARY contact for Mazda/Taiwan to procure old-level Idle Air Control valve. FCSD has been holding several thousand valves to protect Mazda/Taiwan, but has yet to receive an order. Mazda/Ford Taiwan must assume responsibility for acquiring these valves.

Mazda and/or Ford Taiwan should contact Erik directly to facilitate this. Escape Powertrain, and V-Engine can offer no further assistance on procuring old-level IACs. Erik is cc'd on this note, and the appropriate contact information can be found in CDS.

I recommend this issue NOT be discussed at Thursday's audio, as no further information can be offered.

Jeff Grimes
OPD & Value Engineering
Duratec Engine Programs, U204
Ford Motor Company
ph: (313) 322-5237 fax: (313) 594-7323
e-mail: jgrimes1@ford.com

From: Wanat, Richard (R.L.)
Sent: Monday, November 18, 2002 8:16 AM
To: Janakraman, Ram (V.)
Cc: Grimes, Jeff (J.R.)
Subject: RE: Low Mileage Failures of 2003 MY ISC on U204 and D186

It needs to be an automatic trans (perhaps they all are, I don't know).

—Original Message—

From: Janakraman, Ram (V.)
Sent: Monday, November 18, 2002 8:12 AM
To: Wanat, Richard (R.L.)
Cc: Grimes, Jeff (J.R.)
Subject: RE: Low Mileage Failures of 2003 MY ISC on U204 and D186

Dick

I don't have the Escape yet. I am 'cc'ing this to Jeff also.

Jeff- please let us know if you can get us an Escape (with an RCON) for our testing. Thanks!

Ram

> —Original Message—

> **From:** Wanat, Richard (R.L.)
> **Sent:** Monday, November 18, 2002 5:43 AM
> **To:** Danes, Adam (A.V.); Janakraman, Ram (V.)
> **Cc:** Wanat, Richard (R.L.)
> **Subject:** RE: Low Mileage Failures of 2003 MY ISC on U204 and D186

> Adam,

> Could be calibration or strategy issue Ram and I have been
> looking at. Callbration
> issue could be dashpot.

> Ram,

> Did we ever get an Escape? I was off Thursday afternoon.

> Regards,

> *Dick Wanat*

> Calibration Technical Specialist
> PD/R&VT/P&AE-CAPE
> Phone: (313)32-20165 FAX: (313)24-85399
> Room: 1F08 Bldg: Dynamometer Lab
> Email: rwanat@ford.com

> —Original Message—

> **From:** Danes, Adam (A.V.)
> **Sent:** Thursday, November 14, 2002 11:28 AM
> **To:** Wineland, Richard (R.L.); Wanat, Richard (R.L.)
> **Subject:** FW: Low Mileage Failures of 2003 MY ISC on U204 and D186

>
> Rich,
> The driving stall is alarming. That typically isn't an IAC.
> Dick Wanat - what do you think?
>
> ---Original Message---
> From: Wineland, Richard (R.J.)
> Sent: Thursday, November 14, 2002 11:04 AM
> To: Danes, Adam (A.V.)
> Cc: Young, Lem (.); Moore, Donald (D.R.)
> Subject: Low Mileage Failures of 2003 MY ISC on U204 and D186
>
> Adam, the attached file shows the latest Parser data on the
> subject issue. Please review and advise.
>
> Richard J. Wineland
> rwinelan@ford.com
> 6-Sigma Black Belt
> Duratec Engine Programs
> 313-337-5433 (phone & fax)
>

From: Janakiraman, Ram (V.)
Sent: Monday, November 18, 2002 8:12 AM
To: Wanat, Richard (R.L.)
Cc: Grimes, Jeff (J.F.)
Subject: RE: Low Mileage Failures of 2003 MY ISC on U204 and D186

Dick
I don't have the Escape yet. I am 'cc'ing this to Jeff also.

Jeff- please let us know if you can get us an Escape (with an RCON) for our testing. Thanks!

Ram

> ---Original Message---

> **From:** Wanat, Richard (R.L.)
> **Sent:** Monday, November 18, 2002 5:43 AM
> **To:** Danes, Adam (A.V.); Janakiraman, Ram (V.)
> **Cc:** Wanat, Richard (R.L.)
> **Subject:** RE: Low Mileage Failures of 2003 MY ISC on U204 and D186

> Adam,

> Could be calibration or strategy issue Ram and I have been
> looking at. Calibration
> issue could be dahpot.

> Ram,

> Did we ever get an Escape? I was off Thursday afternoon.

> Regards,

> *Dick Wanat*

> Calibration Technical Specialist
> PD/R&VT/P&AE-CAPE
> Phone: (313)32-20185 FAX: (313)24-85389
> Room: 1F08 Bldg: Dynamometer Lab
> Email: rwanat@ford.com

> ---Original Message---

> **From:** Danes, Adam (A.V.)
> **Sent:** Thursday, November 14, 2002 11:28 AM
> **To:** Wineand, Richard (R.J.); Wanat, Richard (R.L.)
> **Subject:** FW: Low Mileage Failures of 2003 MY ISC on U204 and D186

> Rich,

> The driving stall is alarming. That typically isn't an IAC.
> Dick Wanat - what do you think?

> ---Original Message---

> **From:** Wineand, Richard (R.J.)
> **Sent:** Thursday, November 14, 2002 11:04 AM
> **To:** Danes, Adam (A.V.)

> **Cc:** Yeung, Lem (.); Moore, Donald (D.R.)
> **Subject:** Low Mileage Failures of 2003 MY ISC on U204 and D186
>
> Adam, the attached file shows the latest Parser data on the
> subject issue. Please review and advise.
>
> Richard J. Wineland
> rwinelan@ford.com
> 6-Sigma Black Belt
> Duratec Engine Programs
> 313-337-5433 (phone & fax)
>

From: tokunaga.mi@mazda.co.jp
Sent: Tuesday, October 15, 2002 11:47 PM
To: SLimitac@mazdausa.com
Cc: ekreiger@ford.com; jgrimes1@ford.com; ncarver@ford.com; Inooka.k@mazda.co.jp
Subject: RE: YF1Z-9F715AA

To see what I can do, please let me confirm followings.

- 1.Is the subjected part YF1Z-9F715AA, IAC valve ?
- 2.Is this for production or for service ?
- 3.Is this about Hofu-production ?
- 3.How many you need ?
- 4.Is this one time request or not ?
- 5.Why is the part under b/o in the first place ?

Once I could figure out above, I will think about the best I can. Anybody please explain.

Regards,

Tokunaga

—Original Message—

From: Steven Limitaco [mailto:SLimitac@mazdausa.com]
Sent: Wednesday, October 16, 2002 3:40 AM
To: Tokunaga Mitsunori (徳永 光紀)
Cc: Kreiger, Erik (E.); Grimes, Jeff (J.R.); 'Carver, Norman (N.B.)'
Subject: RE: YF1Z-9F715AA

Toke,

I am not sure how to handle this concern. Would you mind passing along to the proper person(s) at MC? Thank you,

Steve Limitaco
Mazda North American Operations

Tribute Product Support
849-442-6514 (phone)
949-442-6599 (fax)
e-mail: sllmtiac@mazdausa.com

-----Original Message-----

From: Carver, Norman (N.B.) [<mailto:ncarver@ford.com>]
Sent: Tuesday, October 15, 2002 8:11 AM
To: Lintiac, Steven (S.)
Cc: Krelger, Erik (E.); Grimes, Jeff (J.R.)
Subject: RE: YF1Z-9F715AA
Importance: High

Steve, Jeff Grimes requested assistance last week on procuring parts for Taiwan production--maybe Hofu. We're holding parts received at our Parts Redistribution Center from the supplier. We can probably release 3000 or so but I don't know what your requirements are or how you would place an order for the product. If you do need assistance, contact either me or Eric 734 523-4269.

SERVICE PART: YF1Z- 9F715-AA___ VALVE ASY - THROTTLE AIR BY-PASS
ENGINEERING PART: YF1E 9F715 AB

Norman Carver
Recall Parts Program Manager
Mail Drop MD-44, Cube 1314C
29500 Plymouth Road, Livonia, MI 48150
Ph 734 266-9916, Fax 734 266-1166

> -----Original Message-----

> From: Krelger, Erik (E.)
> Sent: Tuesday, October 15, 2002 9:48 AM
> To: Carver, Norman (N.B.)

> Subject: FW: YF1Z-9F715AA

>

> This is where I will need your expertise

>

> —Original Message—

> From: Grimes, Jeff (J.R.)

> Sent: Tuesday, October 15, 2002 8:26 AM

> To: Kreiger, Erk (E.)

> Cc: Limitaco, Steven (S.); Corbett, Sandra (S.M.)

> Subject: RE: YF1Z-9F715AA

>

> Please contact Steve Limitaco to determine quantities, and paperwork

> required for IAC's to support production at Hofu and Taiwan...

>

> The issue is between you two, keep me in the loop as you progress..

> Thanx

>

> Jeff Grimes

> OPD & Value Engineering

> Duratec Engine Programs, U204

> Ford Motor Company

> ph: (313) 322-5237 fax: (313) 594-7323

> e-mail: jgrimes1@ford.com

>

> —Original Message—

> From: Kreiger, Erk (E.)

> Sent: Tuesday, October 15, 2002 9:15 AM

> To: Grimes, Jeff (J.R.)

> Subject: FW: YF1Z-9F715AA

>

>

>

> —Original Message—

> From: Carver, Norman (N.B.)

> Sent: Tuesday, October 15, 2002 9:14 AM

> To: Kreiger, Erik (E.)

> Subject: RE: YF1Z-9F715AA

>

> Erik, I don't know who Jeff is looking for at Mazda but here's several
> folks I work w/from time to time.

>

> Mark Ostrosky - Manager Export & Dist Svc - mostrosk@mazdausa.com - (734)
> 782-8725

> Dave Lammert - DLammert@mazdausa.com - 949-7276566

> Ed Marck - MNAO VQA MANAGER - emarck@mazdausa.com - (734) 692-3668

>

> Norman Carver

> Recall Parts Program Manager

> Mail Drop MD-44, Cube 1314C

> 29500 Plymouth Road, Livonia, MI 48150

> Ph 734 266-9916, Fax 734 266-1166

>

>

> -----Original Message-----

> From: Kreiger, Erik (E.)

> Sent: Tuesday, October 15, 2002 8:04 AM

> To: Carver, Norman (N.B.)

> Subject: FW: YF1Z-9F715AA

>

> Norm,

>

> Do we need a contact from Mazda?

>

> -----Original Message-----

> From: Grimes, Jeff (J.R.)

> Sent: Tuesday, October 15, 2002 8:03 AM

> To: Kreiger, Erik (E.)

> Subject: RE: YF1Z-9F715AA

>

> Yes...I believe we are ...I'm waiting for a contact name from Mazda...I

> will have them contact you directly.

>

> Is that OK?

>

> Jeff Grimes
> OPD & Value Engineering
> Duratec Engine Programs, U204
> Ford Motor Company
> ph: (313) 322-5237 fax: (313) 594-7323
> e-mail: jgrimes1@ford.com

> —Original Message—

> From: Kreiger, Erik (E.)
> Sent: Tuesday, October 15, 2002 7:51 AM
> To: Grimes, Jeff (J.R.)
> Cc: Carver, Norman (N.B.)
> Subject: YF1Z-9F715AA

> Jeff,

> I know we keep missing each other by voice mail. Are you still in need of
> sending 3,000 pcs of the subject part? IAC valve?

> Let myself and Norm now and we can work out a process to get them to
> Taiwan.

> Thank you

> Erik Kreiger
> QSF/Top 100
> 734-523-4269
> ekreiger@ford.com

From: Carver, Norman (N.B.)
Sent: Tuesday, October 15, 2002 2:51 PM
To: Grimes, Jeff (J.R.)
Subject: FW: YF1Z-9F715AA

Jeff, apparently Steve is not our man. We'll see how the referral goes w/Toke. Who surfaced this problem---perhaps they can help identify whom the proper person is to take the next step in actually trying to procure material. Thanks.

Norman Carver
Recall Parts Program Manager
Mail Drop MD-44, Cube 1314C
29500 Plymouth Road, Livonia, MI 48150
Ph 734 266-9916, Fax 734 266-1166

-----Original Message-----

From: Steven Limtiaco [mailto:SLimtiac@mazdausa.com]
Sent: Tuesday, October 15, 2002 2:40 PM
To: 'tokunaga.mi@sv.mazda.co.jp'
Cc: Kreiger, Erik (E.); Grimes, Jeff (J.R.); 'Carver, Norman (N.B.)'
Subject: RE: YF1Z-9F715AA

Toke,

I am not sure how to handle this concern. Would you mind passing along to the proper person(s) at MC? Thank you,

Steve Limtiaco
Mazda North American Operations
Tribute Product Support
949-442-6514 (phone)
949-442-6599 (fax)
e-mail: slimtiac@mazdausa.com

-----Original Message-----

From: Carver, Norman (N.B.) [mailto:ncarver@ford.com]
Sent: Tuesday, October 15, 2002 8:11 AM
To: Limtiaco, Steven (S.)
Cc: Kreiger, Erik (E.); Grimes, Jeff (J.R.)
Subject: RE: YF1Z-9F715AA
Importance: High

Steve, Jeff Grimes requested assistance last week on procuring parts for Taiwan production---maybe Hofu. We're holding parts received at our Parts Redistribution Center from the supplier. We can probably release 3000 or so but I don't know what your requirements are or how you would place an order for the product. If you do need assistance, contact either me or Eric 734 523-4269.

SERVICE PART: YF1Z- 9F715-AA VALVE ASY - THROTTLE AIR BY-PASS
ENGINEERING PART: YF1E 9F715 AB

Norman Carver
Recall Parts Program Manager
Mail Drop MD-44, Cube 1314C
29500 Plymouth Road, Livonia, MI 48150
Ph 734 266-9916, Fax 734 266-1166

> -----Original Message-----

> From: Kreiger, Erik (E.)
> Sent: Tuesday, October 15, 2002 9:48 AM
> To: Carver, Norman (N.B.)
> Subject: FW: YF1Z-9F715AA

> This is where I will need your expertise

> -----Original Message-----

> From: Grimes, Jeff (J.R.)
> Sent: Tuesday, October 15, 2002 9:26 AM
> To: Kreiger, Erik (E.)
> Cc: Limtiaco, Steven (S.); Corbett, Sandra (S.M.)
> Subject: RE: YF1Z-9F715AA

> Please contact Steve Limtiaco to determine quantities, and paperwork
> required for IAC's to support production at Hofu and Taiwan...

> The issue is between you two, keep me in the loop as you progress..

> Thank

> Jeff Grimes
> OPD & Value Engineering
> Duratec Engine Programs, U204
> Ford Motor Company
> ph: (313) 322-5237 fax: (313) 594-7323
> e-mail: jgrimes1@ford.com

> -----Original Message-----

> From: Kreiger, Erik (E.)
> Sent: Tuesday, October 15, 2002 9:15 AM
> To: Grimes, Jeff (J.R.)
> Subject: FW: YF1Z-9F715AA

> -----Original Message-----

> From: Carver, Norman (N.B.)
> Sent: Tuesday, October 15, 2002 9:14 AM
> To: Kreiger, Erik (E.)
> Subject: RE: YF1Z-9F715AA

> Erik, I don't know who Jeff is looking for at Mazda but here's several
> folks I work w/from time to time.

> Mark Ostrosky - Manager Export & Dist Svc - mostrosk@mazdausa.com - (734)
> 782-8725
> Dave Lammert - DLammert@mazdausa.com - 949-7276566
> Ed Marck - MNAO VQA MANAGER - emarck@mazdausa.com - (734) 692-3668

>
> Norman Carver
> Recall Parts Program Manager
> Mail Drop MD-44, Cubs 1314C
> 29500 Plymouth Road, Livonia, MI 48150
> Ph 734 266-9916, Fax 734 266-1166

>
> -----Original Message-----
> From: Kreiger, Erik (E.)
> Sent: Tuesday, October 15, 2002 8:04 AM
> To: Carver, Norman (N.B.)
> Subject: FW: YF1Z-9F715AA

>
> Norm,
>
> Do we need a contact from Mazda?

> -----Original Message-----
> From: Grimes, Jeff (J.R.)
> Sent: Tuesday, October 15, 2002 8:03 AM
> To: Kreiger, Erik (E.)
> Subject: RE: YF1Z-9F715AA

>
> Yes...I believe we are ...I'm waiting for a contact name from Mazda...I
> will have them contact you directly.

>
> Is that OK?

>
> Jeff Grimes
> OPD & Value Engineering
> Duratec Engine Programs, U204
> Ford Motor Company
> ph: (313) 322-5237 fax: (313) 594-7323
> e-mail: jgrimes1@ford.com

> -----Original Message-----
> From: Kreiger, Erik (E.)
> Sent: Tuesday, October 15, 2002 7:51 AM
> To: Grimes, Jeff (J.R.)
> Cc: Carver, Norman (N.B.)
> Subject: YF1Z-9F715AA

>
> Jeff,

>
> I know we keep missing each other by voice mail. Are you still in need of
> sending 3,000 pcs of the subject part? IAC valve?

>
> Let myself and Norm now and we can work out a process to get them to
> Taiwan.

>
> Thank you

>
> Erik Kreiger
> QSF/Top 100
> 734-523-4269
> ekreiger@ford.com

From: Steven Limtiaco [SLimtiac@mazdausa.com]
Sent: Tuesday, October 15, 2002 2:38 PM
To: 'Carver, Norman (N.B.)'
Cc: Kreiger, Erik (E.); Grimes, Jeff (J.R.)
Subject: RE: YF1Z-9F715AA

Norman and Jeff,

I am sorry, however, I am not the right person to handle Taiwan and Hofu parts procurement. I believe Taiwan and Hofu have systems and processes in place that handle parts orders. I will pass this email to my MC contact to get his input.

Steve Limtiaco
Mazda North American Operations
Tribute Product Support
949-442-6514 (phone)
949-442-6599 (fax)
e-mail: slimtiac@mazdausa.com

-----Original Message-----

From: Carver, Norman (N.B.) [mailto:ncarver@ford.com]
Sent: Tuesday, October 15, 2002 8:11 AM
To: Limtiaco, Steven (S.)
Cc: Kreiger, Erik (E.); Grimes, Jeff (J.R.)
Subject: RE: YF1Z-9F715AA
Importance: High

Steve, Jeff Grimes requested assistance last week on procuring parts for Taiwan production---maybe Hofu. We're holding parts received at our Parts Redistribution Center from the supplier. We can probably release 3000 or so but I don't know what your requirements are or how you would place an order for the product. If you do need assistance, contact either me or Eric 734 523-4269.

SERVICE PART: YF1Z- 9F715-AA VALVE ASY - THROTTLE AIR BY-PASS
ENGINEERING PART: YF1E 9F715 AB

Norman Carver
Recall Parts Program Manager
Mail Drop MD-44, Cube 1314C
29500 Plymouth Road, Livonia, MI 48150
Ph 734 266-9916, Fax 734 266-1166

> -----Original Message-----

> **From:** Kreiger, Erik (E.)
> **Sent:** Tuesday, October 15, 2002 9:48 AM
> **To:** Carver, Norman (N.B.)
> **Subject:** FW: YF1Z-9F715AA

>
> This is where I will need your expertise

>
> -----Original Message-----
> From: Grimes, Jeff (J.R.)
> Sent: Tuesday, October 15, 2002 9:26 AM
> To: Kreiger, Erik (E.)
> Cc: Lintiacco, Steven (S.); Corbett, Sandra (S.M.)
> Subject: RE: YF1Z-9F715AA
>
> Please contact Steve Lintiacco to determine quantities, and paperwork
> required for IAC's to support production at Hofu and Taiwan...
>
> The issue is between you two, keep me in the loop as you progress..
> Thanx
>
> Jeff Grimes
> OPD & Value Engineering
> Duratec Engine Programs, U204
> Ford Motor Company
> ph: (313) 322-5237 fax: (313) 594-7323
> e-mail: jgrimes1@ford.com
>
> -----Original Message-----
> From: Kreiger, Erik (E.)
> Sent: Tuesday, October 15, 2002 9:15 AM
> To: Grimes, Jeff (J.R.)
> Subject: FW: YF1Z-9F715AA
>
>
>
> -----Original Message-----
> From: Carver, Norman (N.B.)
> Sent: Tuesday, October 15, 2002 9:14 AM
> To: Kreiger, Erik (E.)
> Subject: RE: YF1Z-9F715AA
>
> Erik, I don't know who Jeff is looking for at Mazda but here's several
> folks I work w/from time to time.
>
> Mark Ostrosky - Manager Export & Dist Svc - mostrosk@mazdausa.com - (734)
> 782-8725
> Dave Lammert - DLammert@mazdausa.com - 949-7276566
> Ed Marck - MNAO VQA MANAGER - emarck@mazdausa.com - (734) 692-3668
>
> Norman Carver
> Recall Parts Program Manager
> Mail Drop MD-44, Cube 1314C
> 29500 Plymouth Road, Livonia, MI 48150
> Ph 734 266-9916, Fax 734 266-1166
>
>
> -----Original Message-----
> From: Kreiger, Erik (E.)
> Sent: Tuesday, October 15, 2002 8:04 AM
> To: Carver, Norman (N.B.)
> Subject: FW: YF1Z-9F715AA
>
> Norm,
>
> Do we need a contact from Mazda?

>
> -----Original Message-----
> From: Grimes, Jeff (J.R.)
> Sent: Tuesday, October 15, 2002 8:03 AM
> To: Kreiger, Erik (E.)
> Subject: RE: YF1Z-9F715AA
>
> Yes...I believe we are ...I'm waiting for a contact name from Mazda...I
> will have them contact you directly.
>
> Is that OK?
>
> Jeff Grimes
> OPD & Value Engineering
> Duratec Engine Programs, U204
> Ford Motor Company
> ph: (313) 322-5237 fax: (313) 594-7323
> e-mail: jgrimes1@ford.com
>
> -----Original Message-----
> From: Kreiger, Erik (E.)
> Sent: Tuesday, October 15, 2002 7:51 AM
> To: Grimes, Jeff (J.R.)
> Cc: Carver, Norman (N.B.)
> Subject: YF1Z-9F715AA
>
> Jeff,
>
> I know we keep missing each other by voice mail. Are you still in need of
> sending 3,000 pcs of the subject part? IAC valve?
>
> Let myself and Norm now and we can work out a process to get them to
> Taiwan.
>
> Thank you
>
> Erik Kreiger
> QSF/Top 100
> 734-523-4269
> ekreiger@ford.com
>

From: Ferrise, Sam (S.J.)
Sent: Friday, October 11, 2002 7:55 AM
To: Grimes, Jeff (J.R.); Suarez, Rhae (R.); Durfee, Tom (T.P.)
Subject: RE: TB's and Piston Clip

Inventory is already available at FCSD for 2L8E 9E928 AB.

Regards,
Sam Ferrise, QSF Parts Specialist
Ford Customer Service Division
CDS ID: sferrise Ph: 734-523-3184
E-Mail: sferrise@ford.com

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Thursday, October 10, 2002 2:30 PM
To: Suarez, Rhae (R.); Ferrise, Sam (S.J.); Durfee, Tom (T.P.)
Subject: FW: TB's and Piston Clip

Hey guys...the 2I8E-9E926-AB PPAP is official...free to order for production...What needs to happen for FCSD to begin ordering....

This replaces the 2L8E-9E928-AA

Jeff Grimes

OPD & Value Engineering
Duratec Engine Programs, U204
Ford Motor Company
ph: (313) 322-5237 fax: (313) 584-7323
e-mail: jgrimes1@ford.com

-----Original Message-----

From: Buettner, Steve (S.B.)
Sent: Thursday, October 10, 2002 2:24 PM
To: Grimes, Jeff (J.R.)
Subject: RE: TB's and Piston Clip

We are waiting Mr. Yeramalli's review of the piston clip. That should happen by next week. The T'bodys passed the functional and is signed off, Dennis said he would give me a balance out date by tomorrow COB. There was a one day delay on the t'bodys due to scheduling confusion.

Steve Buettner
CEPII Resident Engineer
sbuettne@ford.com <<mailto:sbuettne@ford.com>>
216-676-2902 external
623-2902 Ford Net
216-676-2950 Fax

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Thursday, October 10, 2002 1:45 PM
To: Buettner, Steve (S.B.)
Subject: TB's and Piston Clip

Steve, any news on TB's...and how about the teardown review of the Piston pin clips...

Jeff Grimes

OPD & Valve Engineering

Duratec Engine Programs, U204

Ford Motor Company

ph: (313) 322-5237 fax: (313) 584-7323

e-mail: larimes1@ford.com <<mailto:larimes1@ford.com>>

Subject: IAC parts to Hofu
Location: Teleconference

Start: Fri 10/11/02 10:00 AM
End: Fri 10/11/02 10:30 AM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Suarez, Rhae (R.); Ferrise, Sam (S.J.); Grimes, Jeff (J.R.); Lawler, Dave (D.A.)

Phone number: 954-1118 / 888-867-5805 / 630-424-2358
Passcode: 6456211#



PW: PCSO/Production
Quinn...

From: Lrette, David (D.F.)
Sent: Thursday, October 10, 2002 3:45 PM
To: Grimes, Jeff (J.F.)
Subject: RE: IAC Swap

No, these are not torqued to yield, therefore unlimited use.

-----Original Message-----

From: Grimes, Jeff (J.F.)
Sent: Thursday, October 10, 2002 3:44 PM
To: Lrette, David (D.F.)
Subject: IAC Swap
Importance: High

Dave, we're planning on swapping IAC valves on production engines for RHD Escape at Mazda and Taiwan...Assuming we torque to 543 specifications...Will you require new fasteners...

These will be production built at Cleveland, shipped over seas...then swapped after the vehicle is assembled...

Thank

Jeff Grimes
OPD & Value Engineering
Duratec Engine Programs, U204
Ford Motor Company
ph: (313) 322-5237 fax: (313) 594-7323
e-mail: jgrimes1@ford.com

From: Dalbo, Bob (R.J.)
Sent: Thursday, October 10, 2002 11:23 AM
To: Grimes, Jeff (J.R.)
Cc: Corbett, Sandra (S.M.)
Subject: RE: Reflash Requirement

Jeff,
We can elect to take the risk that the flow difference between old/new valves will not cause customer issues.
We chose not to do that for LHD markets.

Bob Dalbo

3.0L Calibration Supervisor
Outfitters Calibration, NAT
Phone: (313) 24-84947 Fax: (313) 32-31788
Pager: (313) 795-2859 Email: rdalbo@ford.com

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Thursday, October 10, 2002 8:11 AM
To: Dalbo, Bob (R.J.)
Cc: Corbett, Sandra (S.M.)
Subject: Reflash Requirement

Bob, any opportunity to assess whether the reflash is REQUIRED on the RHD vehicle? Do local regulatory differences offer opportunities?

I believe I know the answer, but I need to make sure we assess every option...

Jeff Grimes

OPD & Value Engineering
Duratec Engine Programs, U204
Ford Motor Company
ph: (313) 322-5237 fax: (313) 594-7323
e-mail: jgrimes1@ford.com

From: Suarez, Rhae (R.)
Sent: Wednesday, October 09, 2002 1:01 PM
To: Grimes, Jeff (J.F.)
Subject: FW: 10/3 U204/J14 FORD/MAZDA PT OPD Audio MEETING

FYI - Here is Mazda quantities for the old IAC.

—Original Message—

From: Steven Limtiaco [mailto:SLimtlac@mazdausa.com]
Sent: Wednesday, October 09, 2002 12:42 PM
To: Hideki Nakano
Cc: Durfee, Tom (T.P.); Suarez, Rhae (R.)
Subject: RE: 10/3 U204/J14 FORD/MAZDA PT OPD Audio MEETING

Mr Nakano,

We have approximately 1458 pcs of AJ03-20-660A (old IAC p/#) on hand as of 10/8/02.

Steve Limtiaco
Mazda North American Operations
Tribute Product Support
949-442-6514 (phone)
949-442-6599 (fax)
e-mail: slimtlac@mazdausa.com

—Original Message—

From: Nakano, Hideki (H.) [mailto:hakano1@ford.com]
Sent: Wednesday, October 09, 2002 6:24 AM
To: Limtiaco, Steven (S.)
Cc: Durfee, Tom (T.P.); Suarez, Rhae (R.)
Subject: RE: 10/3 U204/J14 FORD/MAZDA PT OPD Audio MEETING

Steve-san,

Could you please check the number of OLD IAC through NNS? Unfortunately, I cannot access NNS from Ford facility.

Thank you.

Hideki Nakano

Manager

Mazda Quality KCAP Office

phone: 1-816-459-1671

—Original Message—

From: Suarez, Rhae (R.)

Sent: Wednesday, October 09, 2002 6:45 AM

To: Limitaco, Steven (S.); Nakano, Hideki (H.)

Cc: Durfee, Tom (T.P.)

Subject: FW: 10/3 U204/J14 FORD/MAZDA PT OPD Audio MEETING

Do you know how many (old) IAC's are available in the Mazda depots? If you have the information please let me know so I can forward it on.

Thanks!

Rhae Michael Suarez

Product Concern Engineer - Escape / Tribute / Maverick

PVT & Field Support / FCSD

DSC II (room 548) / 1800 Fairlane Dr. / Allen Park, MI 48101

Phone: 313-32-23344 Pager: 313-796-6242

Fax: 313-33-78337

Email: rsuarez8@ford.com

—Original Message—

From: Grimes, Jeff (J.R.)

Sent: Tuesday, October 08, 2002 3:59 PM

To: Suarez, Rhae (R.); Durfee, Tom (T.P.)

Subject: FW: 10/3 U204/J14 FORD/MAZDA PT OPD Audio MEETING

How many OLD IAC's might we have available for Mazda to swap back...They won't get new calibration until December.

Jeff Grimes

OPD & Value Engineering

Duratec Engine Programs, U204

Ford Motor Company

ph: (313) 322-5237 fax: (313) 594-7323

e-mail: jgrimes1@ford.com

-----Original Message-----

From: hamano.n@mazda.co.jp [mailto:hamano.n@mazda.co.jp]

Sent: Tuesday, October 08, 2002 12:43 AM

To: ichikawa.j@mazda.co.jp; scorbett@ford.com; rdaibo@ford.com;
gfournel@ford.com; lyeung@ford.com; ahale7@ford.com; jgrimes1@ford.com;
toda2@ford.com; kszczepa@ford.com; shiraishi.m@pt.mazda.co.jp;
takubo.h@mazda.co.jp; yamada.hid@mazda.co.jp; fujioka.ke@mazda.co.jp; izumi.
h@mazda.co.jp; iwata.ka@mazda.co.jp; ohshima.h@mazda.co.jp;
inehasit@ford.com; blizotte@ford.com; hikoska@ford.com;
CBaxter@toledo.faurecia.com; smoorhou@ford.com; marutani.t@mazda.co.jp;
kadokura.m@mazda.co.jp; yamashita.shlg@mazda.co.jp; dyoung19@ford.com
Cc: bmcgee@ford.com; nakahara.y@mazda.co.jp; koolshi@ford.com
Subject: RE: 10/3 U204/J14 FORD/MAZDA PT OPD Audio MEETING

All the members.

I am letting you know the status of the follow-up items prior to this week's PT OPD MTG.

Agenda No.2 : Duratec IAC valve change

1).The quantity of the old IAC valve for KD engine retrofit

A total of 2940 units from October to December this year.

This is the case where all IAC valves are exchanged.

2).Please let me know the quantity of FCSD service parts in stock.

Agenda No.7 : C11397685 Shift schedule change for Zetec Vehicle

- 1).I have obtained the detailed information of the new shift schedule that is proposed this time by the Zetec team.
- 2).I also have obtained the fuel economy test data of 10-15 mode .
- 3).I have already obtained the emission data of 10-15 mode.
- 4).However, since I have not received the emission data of 11 mode, I will re-request it.
- 5).MC Test & Research Gr. is currently examining the new shift schedule.
- 6).One test data is below the mode fuel economy standard. I am consulting with MC Certification Gr. about how to handle it.

Thanks.

Sincerely,

Naomi Hamano J14/U204 Hofu
Program Develop. Promotion Gr.
Powertrain Development Promotion Dept.
Mazda Motor Corporation
E-mail. hamano.n@mazda.co.jp

-----Original Message-----

From: Ichikawa Junichirou (市川 潤一郎)
Sent: Wednesday, October 02, 2002 7:16 PM
To: 'Ford U204 PT Quality;S.Corbett-san (E-mail)'; 'Ford PTSE; Dalbo-san (E-mail)'; 'Ford PTSE ;Foumelle-san (E-mail)'; 'Ford POEE ;Yeung Lem-san (E-mail)'; 'ahale7@ford.com'; 'jgrimes1@ford.com'; 'Core Team ; Oda-san (E-mail)'; 'Core Team ; 蒜子さん (E-mail)'; Shiraishi Masaru (白石 優); Takubo Hirochi (田邊 博一); Hamano Naomi (濱野 直生); Yamada Hideki (山田 秀樹); Fujjoka Kenji (藤岡 兼二); Izumi Hirosato (泉 裕郷); Iwata Kazuo (岩田 一男); Ohshima Hirofumi (大島 博文); 'Inehaill@ford.com'; 'blizotta@ford.com'; 'hkoska@ford.com'; 'CBaxter@toledo.faurecia.com'; 'smoorhou@ford.com'; Marutanl Tetsushi (丸谷 哲史); Kadokura Masaki (門倉 正樹); Yamashita Shigeaki (山下 繁樹); Ford I4 U204 Calibr.;Dan Young-san (E-mail)

Cc: Ford Resident Engr.; McGee-san (E-mail); Nakahara Yasushi (中原 康志); 'kooishi@ford.com'
Subject: 10/3 U204/J14 FORD/MAZDA PT OPD Audio MEETING
Importance: High

To Team,

I send the agenda for PT OPD Audio Meeting on 10/3 below.

Thank you.

[Agenda]

1. C11243707 - Thermostat and crossover
9/26 ; Ford Investigate to change the specification.
Ford will send 3D-data of this design change before
next Thursday audio meeting.

2. Duratec IAC valve change
Mazda would like to know how to control Engine Unit Replacement
for the field service under w/o engine code change.

3. PCM Ford Service Part# for 2003MY All Duratec/Zetec
9/26 ; Corbett-san will fill the PCM Ford Service Part# on
the excel file and send to Mazda by 9/30.

4. Potential Issue for PCM Suffix at Hofu.
9/26 ; Dalbo-san will change the Suffix of Ford Part#.

5. C11236347 Fan Resistor Removal
Mazda PCM Engineer ; Fujloka-san need to get the updated white paper
for KCAP only.

6. C11412614 Change the fuel tank for 2003MY US Zetec Vehicle
Mazda PCM Engineer ; Fujloka-san need to get the white paper
for this change.

7.C11397685 Shift schedule change for Zatec Vehicle

Mazda would like to clarify the current status of this change.

Please see the attached mail to Dan Young-san.

8.2003MY Zatec PCV HOSE LAYOUT ISSUE

9/26 ; Koska-san will check the 3D data of this change and
will send this to FHO(Ford P/T Hiroshima Office); Oolshi-san.

9.C11322608 V6 RH Manifold/Converter Shield design change

9/26 ; Kadokura-san should talk with Baxter-san in the next Thursday
Audio Meeting.

Please see the attached mail that Kadokura-san sent to
Scott Moorhouse-san.

10.Walk In

[Date/Location]

USA 3-October-2002 AM 7:00-8:30

JPN 3-October-2002 PM 8:00-8:30 MAZDA Technical Main Bldg.

2F

221

Conference Room

[Audio conference numbers]

Domestic:877-877-7127

Ford Net: ? (Shirashi-san know...)

international: 630-424-2071

Pass code: 6643917 #

Moderator code: 1698917#

Junichirou Ichikawa

PT Program Develop. Promotion Gr.

E-mail ; ichikawa.j@mazda.co.jp

Phone ; +81-62-287-4932(Ex.28215)

Fax ; +81-62-287-5115

From: Suarez, Rhae (R.)
Sent: Wednesday, October 09, 2002 11:01 AM
To: Grimes, Jeff (J.R.)
Cc: Durfee, Tom (T.P.)
Subject: RE: IAC Quantities

Is the old IAC part number YF1E 9F715 AB? If so, here is our inventory..... I believe Taurus/Sable uses the same part though and from what I understand they will not be getting the new IAC so we will have to keep stock for them.

SERVICE PART: YF1Z- 9F715-AA VALVE ASY - THROTTLE AIR BY-PASS
ENGINEERING PART: YF1E 9F715 AB ORIGIN: WERS
SUPPLIER LOC: FINIS: 4010051

Vendor Part:
Motorcraft Part: CX- 1755- Prime Suplr: H388P

Role: T
-----Inventory----- --Stocking Demand-- Backcast:
FCSD Available: 2562 Current Month: 626 Max Ord Qty: 0
Pkg Available: 0 Prior Month: 3902 Volume Group: A
In-Trans Pkgr: 0 Prior Month 2: 2781 Last Release: 670-2A
In-Trans FCSD: 7000 Prior Month 3: 3834 Lead Time: 30
Transfers: 48 Cur Forecast: 2417 Procure Cd: 1
Back Ord Pcs: 0 6-Mo Forecast: 15923 Sales Restr: Y
Tot Inventory: 9610 Out of Tolerance: N Last ASN Qty: 7000
Last ASN: 10/04/02
Tot Curr Pos: 9890 Back Ord Lines: 0 Last Rcpt Pkg:
Est'd Max Pos: N/A Off B/O Date: Abnormal Cat: 7
Firm Release: Y Unit Issue: 1 Design Style:
AIMS Inventory: 410 Pnd Obs: Stock Exhaust:

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Wednesday, October 09, 2002 10:52 AM
To: Suarez, Rhae (R.)
Subject: RE: IAC Quantities

I don't need Mazda #'s...I need US FCSD inventory on hand...We may need to pull those for Hofu production support.

Jeff Grimes

OPD & Value Engineering
Duratec Engine Programs, U204
Ford Motor Company
ph: (313) 322-5237 fax: (313) 594-7323
e-mail: jgrimes1@ford.com

-----Original Message-----

From: Suarez, Rhae (R.)
Sent: Wednesday, October 09, 2002 10:48 AM
To: Grimes, Jeff (J.R.)
Cc: Durfee, Tom (T.P.)
Subject: RE: IAC Quantities

The email has been sent to my counter parts in Mazda. The person that should be able to get the info works in California. I am not sure what time he gets in over there. I'll try to call him and I'll let you know what I find out.

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Wednesday, October 09, 2002 10:46 AM
To: Durfee, Tom (T.P.); Suarez, Rhae (R.)
Subject: IAC Quantities

Do we have Quantities available for the OLD IAC valves yet? I need them to support a Mazda review at 7AM tomorrow.

We may be able to ship them to Japan to support production on RHD...Although the shortage of new valves is going to cause a problem.

Jeff Grimes

OPD & Value Engineering
Duratec Engine Programs, U204
Ford Motor Company
ph: (313) 322-5237 fax: (313) 584-7323
e-mail: jgrimes1@ford.com

From: hamano.n@mazda.co.jp
Sent: Tuesday, October 08, 2002 12:43 AM
To: ichikawa.j@mazda.co.jp; scorbett@ford.com; rdaibo@ford.com; gfournel@ford.com; lyeung@ford.com; ahale7@ford.com; jgrimes1@ford.com; toda2@ford.com; kszozepa@ford.com; shiraishi.m@pi.mazda.co.jp; takubo.h@mazda.co.jp; yamada.hid@mazda.co.jp; fujjoka.ke@mazda.co.jp; izumi.h@mazda.co.jp; iwata.ka@mazda.co.jp; ohshima.h@mazda.co.jp; lnehastl@ford.com; blizotte@ford.com; hkoeka@ford.com; CBaxter@toledo.ford.com; smoorhou@ford.com; marutani.t@mazda.co.jp; kadokura.m@mazda.co.jp; yamashita.shlg@mazda.co.jp; dyoung19@ford.com
Cc: bmcgee@ford.com; nakahara.y@mazda.co.jp; kooishi@ford.com
Subject: RE: 10/3 U204/J14 FORD/MAZDA PT OPD Audio MEETING

All the members.

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Thanks.

Sincerely,

Naoumi Hamano J14/U204 Hofu
Program Develop. Promotion Gr.

Powertrain Development Promotion Dept.
Mazda Motor Corporation
E-mail. hamano.n@mazda.co.jp

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Cc: 'Ford Resident Egnr.;McGee-san (E-mail)'; Nakahara Yasushi (中原 康志); 'koolshl@ford.com'
Subject: 10/3 U204/J14 FORD/MAZDA PT OPD Audio MEETING
Importance: High

To Team,
I send the agenda for PT OPD Audio Meeting on 10/3 below.

Thank you.

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9/26 ; Ford investigate to change the specification.
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JPN 3-October-2002 PM 8:00-9:30 MAZDA Technical Main Bldg. 2F
221 Conference Room

[Audio conference numbers]

Domestic:877-877-7127

Ford Net: ? (Shiraishi-san know...)

International: 630-424-2071

Pass code: 8843917 #

Moderator code: 1698917#

Junkichi Ichikawa

PT Program Develop. Promotion Gr.

E-mail ; ichikawa.j@mazda.co.jp

Phone ; +81-82-287-4932(Ex.28215)

Fax ; +81-82-287-5115

From: Buettner, Steve (S.B.)
Sent: Monday, October 07, 2002 9:12 AM
To: Grimes, Jeff (J.R.)
Subject: RE: IABV Issue with Mazda

I don't recall ever giving you a different number.

Steve Buettner
CEPII Resident Engineer
sbuettne@ford.com
216-678-2902 external
823-2902 Ford Net
216-678-2950 Fax

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Monday, October 07, 2002 8:16 AM
To: Buettner, Steve (S.B.)
Subject: RE: IABV Issue with Mazda

This was the number that Mazda didn't recognize, wasn't it? I thought you had given me a different number?

Jeff Grimes
OPD & Value Engineering
Duratec Engine Programs, U204
Ford Motor Company
ph: (313) 322-6237 fax: (313) 694-7323
e-mail: jgrimes1@ford.com

-----Original Message-----

From: Buettner, Steve (S.B.)
Sent: Friday, October 04, 2002 5:04 PM
To: Grimes, Jeff (J.R.)
Subject: FW: IABV Issue with Mazda

Per your phone message, see below for the info you requested.

Steve Buettner
CEPII Resident Engineer
sbuettne@ford.com
216-678-2902 external
823-2902 Ford Net
216-678-2950 Fax

-----Original Message-----

From: Young, Lem (.)
Sent: Tuesday, September 10, 2002 2:44 PM
To: Buettner, Steve (S.B.)
Subject: RE: IABV Issue with Mazda

Thanks. They did some funny math with using a flow rate of 550 vehicles/month. May be a mute point. We are working on them to implement the 03 R00 calibration. We'll see Thursday.

W. Lem Yeung
Ford Motor Company
U204 Duratec Engine Systems Supervisor
Work 313-32-23844
Pager 313-795-2777
Fax 313-594-7329

—Original Message—

From: Buettner, Steve (S.B.)
Sent: Tuesday, September 10, 2002 2:37 PM
To: Yeung, Lem (.)
Subject: IABV Issue with Mazda

Do you know where the number of 100 engines came from? Does Mazda have a large inventory of engines? I'm not sure how they would correlate that number to what we have in the pipeline.

We changed over parts on August 29th, since then we have shipped 470 engines toward Mazda. Also, based on the 42 days of shipping, I would expect us to ship out up to 1000 additional engines that will arrive at Mazda before 11/1/02. Of course not all of the 1470 engines will contain the new valve, as neither CEP2 or TDS can guarantee perfect FIFO. I am still waiting to get a more accurate count of the 1000 engines we have not shipped.

The first container that may have the new valve on engines is 6388159.

Steve Buettner
CEPII Resident Engineer
sbuettne@ford.com
216-676-2902 external
823-2902 Ford Net
216-676-2950 Fax

From: Buettner, Steve (S.B.)
Sent: Friday, October 04, 2002 5:04 PM
To: Grimes, Jeff (J.R.)
Subject: FW: IABV Issue with Mazda

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Steve Buettner
CEPII Resident Engineer
sbuettne@ford.com
216-676-2902 external
823-2902 Ford Net
216-676-2950 Fax

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Ford Motor Company
U204 Duratec Engine Systems Supervisor
Work 313-32-23844
Pager 313-795-2777
Fax 313-594-7323

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The first container that may have the new valve on engines is 8398159.

Steve Buettner
CEPII Resident Engineer
sbuettne@ford.com
216-676-2902 external
823-2902 Ford Net
216-676-2950 Fax

From: Buettner, Steve (S.B.)
Sent: Thursday, September 26, 2002 8:02 AM
To: Grimes, Jeff (J.R.)
Subject: RE: Engines to Hofu (IAC Change)

The start date was 8/29 with some parts. The engines on this shipment would have had to leave this plant, get repacked by TDS, and leave TDS on the same day. While this is unlikely it is possible, and I have no way of 100% confirming. So in my mind it is unlikely that any engines on the shipment have the new IABV, but I picked the date to be sure.

When you ask for how often shipments leave for Hofu, are you asking how often they leave from here or TDS? This number varies depending on orders and build schedules, but I can get you a ballpark or a listing of shipments over the past few months.

Steve Buettner
CEPII Resident Engineer
sbuettne@ford.com
216-676-2902 external
823-2902 Ford Net
216-676-2950 Fax

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Thursday, September 26, 2002 7:28 AM
To: Buettner, Steve (S.B.)
Subject: Engines to Hofu (IAC Change)

Steve, the invoice# you provided is showing a ship date of 8/29/02.

You had mentioned verbally that incorp was 8/30/02.

Mazda is now claiming that one day could make/break there plan to use/exhaust processors with old engines...

- 1) Please confirm first ship date
- 2) How frequently do shipments leave for Hofu...

Thanx...

Jeff Grimes
OPD & Value Engineering
Duratec Engine Programs - U204

From: Corbett, Sandra (S.M.)
Sent: Monday, September 23, 2002 2:35 PM
To: Grimes, Jeff (J.R.); Foley, Miyako (M.); McGee, Brett (B.L.); Moorhouse, Scott (S.R.)
Cc: Hale, Tony (A.S.); Yeung, Lem (.); Shiraihi, Masaru (M.); Ichikawa, Jiyunichiro (J.)
Subject: RE: ISC valve change for Duratec Engine for J14 - ** Urgent **

For communication / clarification, my contacts for Powertrain are as follows:

Shiraihi-san (Masaru)
Ichikawa-san (Jiyunichiro)

Both support a weekly OPD Powertrain audio meeting with Mazda on Thursday mornings at 7am.

Specific to the ISC change, it has been discussed extensively in the stalls team which is supported by Mazda. It is a change to the pintle design which makes the ISC more robust to sticking.

—Original Message—

From: Grimes, Jeff (J.R.)
Sent: Monday, September 23, 2002 2:16 PM
To: Foley, Miyako (M.); Corbett, Sandra (S.M.); McGee, Brett (B.L.); Moorhouse, Scott (S.R.); Monroe, Pat (P.A.)
Cc: Hale, Tony (A.S.); Yeung, Lem (.)
Subject: RE: ISC valve change for Duratec Engine for J14 - ** Urgent **

At the last change control Pictel, The tracking number was provided for the first shipment of engines with new IAC. The number provided was recognized by the Mazda team, and all agreed that the appropriate information had been shared.

CEP2 cannot guarantee First-In First-out on uncoordinated changes therefore engine serial number will only be approximate, and by no means assures that we fully converted to new valve.

Please confirm that the tracking number was sufficient support Mazda's efforts to incorporate, if not, please respond, I'll find additional information as necessary.

Jeff Grimes
OPD & Value Engineering

Duratec Engine Programs, U204
Ford Motor Company
ph: (313) 322-5237 fax: (313) 594-7323
e-mail: jgrimes1@ford.com

—Original Message—

From: Foley, Miyako (M.)
Sent: Monday, September 23, 2002 2:08 PM
To: Grimes, Jeff (J.R.); Corbett, Sandra (S.M.); McGee, Brett (B.L.); Moorhouse, Scott (S.R.); Monroe, Pat (P.A.)
Cc: Hale, Tony (A.S.); Yeung, Lem (.); Foley, Miyako (M.)
Subject: RE: ISC valve change for Duratec Engine for J14 - ** Urgent **

Jeff,

Mazda confirmed me this morning that they did not receive the information of the new ISC valve - which engine serial number the new ISC valve was installed. Can anyone provide me with this information? Thank you.

Best regards,
Miyako Foley
Regional Supervisor
Asia Pacific (Japan/Philippines)
International Export Operations
Tel (313)845-3286
Fax (313)594-7913
mfoley8@ford.com

—Original Message—

From: Grimes, Jeff (J.R.)
Sent: Wednesday, September 18, 2002 3:06 PM
To: Foley, Miyako (M.); Corbett, Sandra (S.M.); McGee, Brett (B.L.); Moorhouse, Scott (S.R.); Monroe, Pat (P.A.)
Cc: Hale, Tony (A.S.); Yeung, Lem (.)
Subject: RE: ISC valve change for Duratec Engine for J14 - ** Urgent **
Importance: High

Foley-san,

While a number of notes have been sent regarding this matter of the last SEVERAL MONTHS, I offer the following note where Mazda AGREES to the IAC change for the 2003MY program.

It's not important to dig through emails and determine who dropped what/when/where. Lets move forward and make the decisions that resolve the issue at hand...As we'll discuss 7:00am Dearborn time, Thursday.

Thanx

Jeff Grimes

OPD & Value Engineering

Duratec Engine Programs, U204

Ford Motor Company

ph: (313) 322-5237 fax: (313) 594-7323

e-mail: jgrimes1@ford.com

-----Original Message-----

From: Foley, Miyako (M.)

Sent: Friday, September 13, 2002 3:08 PM

To: Grimes, Jeff (J.R.); Corbett, Sandra (S.M.); McGee, Brett (B.L.); Moorhouse, Scott (S.R.); Monroe, Pat (P.A.)

Cc: Hale, Tony (A.S.); Foley, Miyako (M.)

Subject: FW: ISC valve change for Duratec Engine for J14 - ** Urgent **

Importance: High

Hello, everyone.

I received an email from Mazda this morning regarding J14/U204 Duratec Engine change. According to Mazda, ISC valve has changed in the engines but Mazda engineers were not notified with this change until yesterday. This ISC change require the new PCM's but Mazda has not ordered them (through us, International Export Operations and they also have old PCM inventory.

Mazda is questioning why this engineering change was not communicated to them.

Any of information you have would be appreciated.

Pat,

Can you let me know the serial number of the engines with new ISC and when you shipped to TDS?
I assume that TDS received them last week.

Best regards,
Miyako Foley
Regional Supervisor
Asia Pacific (Japan/Philippines)
International Export Operations
Tel (313)845-3286
Fax (313)594-7913
mfoley8@ford.com

—Original Message—

From: Foley, Miyako (M.)
Sent: Friday, September 13, 2002 8:38 AM
To: Arnold, James (J.A.); Marynowski, Jan (J.M.)
Cc: Foley, Miyako (M.); Beaudon, John (J.); Asazuki, Hideaki (H.)
Subject: RE: ISC valve change for Duratec Engine for J14
Importance: High

Jim / Jan,

Mazda raised a concern of ISC valve change which is related to PCM change.
Please call me to discuss this issue. Thank you.

Best regards,
Miyako Foley
Regional Supervisor
Asia Pacific (Japan/Philippines)
International Export Operations
Tel (313)845-3286
Fax (313)594-7913
mfoley8@ford.com

—Original Message—

From: asazuki.h@mazda.co.jp [mailto:asazuki.h@mazda.co.jp]

Sent: Friday, September 13, 2002 8:17 AM

To: jbeaudo@ford.com

Cc: mfoley8@ford.com

Subject: ISC valve change for Duratec Engine for J14

Beaudo-san,

Do you have an information that there is an engineering change that ISC valve for Duratec engine for J14? The part number for the engine is not changed. I do not know why it is not changed. The engine using the new valve was started manufacturing from August 30 at CEP2. I heard it through our engineer yesterday.

It becomes big problem for us. Due to model year change at KCAP, the PCM was changed. The new engine can not be used with the old PCM. The change date for PCM at Hofu was scheduled between November 1 - February 1. The date is different for each part number. If the old engine runs out before the effective date for PCM, we have to change the PCM at the same time or before, and the old PCM will be obsolescence. I do not also know why such important information was not sent from Ford engineer to Mazda engineer till now.

Firstly, I would like to know which container the new engine are loaded, and if old and new engine are mixed, I would like to know the quantity for each engine. Is it possible to get the information?

Thank you,

Hideaki Asazuki

From: hamano.n@mazda.co.jp
Sent: Wednesday, September 11, 2002 4:47 AM
To: ichikawa.j@mazda.co.jp; scorbett@ford.com; rdalbo@ford.com; gfournel@ford.com; lyeung@ford.com; ahale7@ford.com; jgrimes1@ford.com; toda2@ford.com; kszozepa@ford.com; shiraishi.m@pt.mazda.co.jp; takubo.h@mazda.co.jp; yamada.hid@mazda.co.jp; fujioka.ke@mazda.co.jp; ohga.m@mazda.co.jp; yamashita.shig@mazda.co.jp
Cc: asazuki.h@mazda.co.jp
Subject: RE: <Temporary>9/10 U204/J14 FORD/MAZDA PT OPD Audio MEETING

Follow Up Flag: Follow up
Flag Status: Flagged



(U14 Duratec engine
PCM)...

All the members.

As per your request, I put together Duratec Engine&PCM stock and order status information.
Please refer to the attachment.

Thanks.

Naoumi Hamano J14/U204 Hofu
Program Develop. Promotion Gr.
Powertrain Development Promotion Dept.
Mazda Motor Corporation
E-mail. hamano.n@mazda.co.jp

---Original Message---

From: Ichikawa Junichirou (市川 潤一郎)
Sent: Friday, September 06, 2002 7:31 PM
To: Ford U204 PT Quality;S.Corbett-san (E-mail); Ford PTSE; Dalbo-san (E-mail); Ford PTSE ;Fournelle-san (E-mail); Ford POEE ;Yeung Lem-san (E-mail); 'ahale7@ford.com'; 'jgrimes1@ford.com'; Core Team ; Oda-san (E-mail); Core Team ; 恭子さん (E-mail); Shiraiishi Masaru (白石 肇); Takubo Hiroichi (田窪 博一); Hamano Naoumi (濱野 直生); Yamada Hideki (山田 秀樹); Fujioka Kenji (藤岡 憲二); Ohga Muneyuki (大神 宗之); Yamashita Shigeki (山下 繁樹)
Subject: <Temporary>9/10 U204/J14 FORD/MAZDA PT OPD Audio MEETING
Importance: High

To Team,

I would like to hold a temporary OPD meeting on September 10. Please add this to your schedule. Attached file is shown the Japanese of this agenda.

Tamaki-san or Kyouko-san,

Would you please attend this meeting as a translator ?

[Agenda]

1. Duratec IAC valve change and PCM calibration change Implementation at Hofu Plant.

(C11252737/C11390580)

We found the following questions:

1)IAC valve ECN was released to WERS without engine code change.

Therefore, Mazda has no way to order the engines with updated IAC valves.

That is we do not know when the IAC valves were updated. In addition, we do not know when Cleveland Plant started to ship the engines with updated IAC valves to Hofu Plant.

2)On the other hand, Ford IEO requested that Mazda Production Control Dept. should skip R00/R10 PCM order and that it should order R11 PCMs for 2003. This indicates that Visteon may not produce R00 PMCs for Hofu Plant.

3)What is worse, Mazda Certification Gr. requested us to suspend the R11 ECN release to MIDAS. Even if Ford calibration team provides us with good news and we start ECN release immediately, R11 PCMs will be delivered to Hofu in November.

4)Under these circumstances, there is a high possibility that engines with updated IAC valves will reach Hofu Plant before the R11 PCMs delivery. As a result, vehicles installing engine with updated IAC valves + 2002 MY PCMs will be produced.

<Points to be discussed>

1)How to solve this issue.

2)What are possible issues caused by the vehicles with the combination of engines with updated IAC valves + 2002 MY PCMs?

3)When will Cleveland Plant will ship the engines with updated IAC valves to Hofu?

4)Is it possible to change the engine code which links with updated IAC valve?

[Date/Location]

USA 10-September-2002 AM 7:00-8:00

JPN 10-September-2002 PM 8:00-9:00 MAZDA Technical Main Bldg. 2F
221 Audio Conference Room

[Audio conference numbers]

Domestic:877-877-7127

Ford Net ? (Shirashi-san know...)

International: 630-424-2071

Pass code: 6643817 #

Moderator code: 1698917#

Junichirou Ichikawa

PT Program Develop. Promotion Gr.

E-mail ; ichikawa.j@mazda.co.jp

Phone ; +81-82-287-4932(Ex.28215)

Fax ; +81-82-287-5115

From: Terzas, Laura (L.D.)
Sent: Thursday, August 08, 2002 11:06 AM
To: Sanders, Muriel (M.S.); Grimes, Jeff (J.R.); Yeung, Lem (.); Wettach, Bill (B.); Suarez, Rhae (R.)
Cc: Fournelle, Gilbert (G.); Fascetti, Bob (R.J.); Dalbo, Bob (R.J.); Kaercher, Don (D.F.); Hightower, Eric (E.); Lapkewych, Michael (M.P.)
Subject: RE: Finned Pintle Hold-up



upload of

See below in RED text answers to questins #4 and #6.
Don, Michael and Eric: IAC part for Escape TSB we discussed today.

-----Original Message-----

From: Sanders, Muriel (M.S.)
Sent: Thursday, August 08, 2002 10:39 AM
To: Grimes, Jeff (J.R.); Yeung, Lem (.); Wettach, Bill (B.); Suarez, Rhae (R.); Terzas, Laura (L.D.)
Cc: Fournelle, Gilbert (G.); Fascetti, Bob (R.J.); Dalbo, Bob (R.J.)
Subject: RE: Finned Pintle Hold-up
Importance: High

The black text below are the answers to Tom Durfee's (Service Engineering) questions. He is rejecting the concern until these items are addressed. Please let me know when this information has been added to the concern.

Lem/Jeff/Bill - I do not have WERS access. Will one of you please add the responses to items 1-3 & 7 for me. Thanks!

Rhae/Laura - Please answer items 4 & 6.

1. Other IAC's have had this new fin pintle design and no PCM reflash was required why does this vehicle line need a reflash with an IAC change?

We have data showing that the finned pintle valve is not transparent to the guide A valve. The mean finned pintle ISC duty cycle at idle is 3% higher than with the current production valve.

2. If the new IAC is installed and no reflash is done what is the failure mode?

Possible (low probability) stall at warm startup or engagement.

3. Does the calibration have to be updated with the new IAC?

Yes, applicable calibration numbers were entered in this concern by John Bogema on 7/25/02.

4. If the calib has to be update with this new IAC, how does the out of warranty customer get notified of this requirement?

FCSD PS&L (Parts, Supply & Logistics) has agreed to work with their service parts packaging engineering to place a sticker on the Motorcraft box indicating the IAC change may require a calibration update, and refer to TSB XX-xxx-xx. Rhae Suarez will place information in the Parts Request comments section to insure the sticker is produced and fixed to package.

5. number was skipped by Tom

6. In the parts FCSD catalog we can have a flag that calls out a new PCM/Re-flash but this is not a six sigma repair.

FCSD, PS&L, has agreed to place a flag in the on-line service parts system, GCAT, indicating the new IAC part may require a calibration change. Also, the TSB will list all prior calibrations that must be updated to perform the service procedure and to insure compatibility with the new IAC part.

7. A TSB will need to be issued to the field and there is not enough information in this concern to release a TSB. New PCM part numbers will have to be release in WERS for the new calibration. The stall TSB is written and is waiting for approval of this concern. We cannot get the finned pintle IAC service part number necessary for the TSB until this concern is approved. The calibration part numbers were released in C11390580. They will be available to Fordstar on 8/9/02.

Muriel Sanders

U204 3.0L Calibration
Ford Motor Company
Phone: 313-32-27307
Fax: 313-32-31786
E-mail: msander6@ford.com

-----Original Message-----

From: Dalbo, Bob (R.J.)
Sent: Wednesday, August 07, 2002 5:20 PM
To: Galante, Chris (C.R.); Terzes, Laura (L.D.); Fascetti, Bob (R.J.)
Cc: Sanders, Muriel (M.S.); Fournelle, Gilbert (G.)
Subject: Finned Pintle Hold-up
Importance: High

Chris,

Yes, the finned pintle IACV does require a calibration change on the Escape/Tribute. The service calibrations will be available Friday (8/9). We have a TSB in for review that explains that the calibration update is required for the new IACV.

Who in service engineering is rejecting this concern? We need to bring them up to speed on this change and the urgency to complete it.

Laura,

How does FCSD manage coordinated parts changes like this IACV/calibration combination? Is that process already underway for this change?

Bob Dalbo

3.0L Calibration Supervisor
Outfitters Calibration, NAT
Phone: (313) 24-84947 Fax: (313) 32-31786
Pager: (313) 795-2859 Email: rbdalbo@ford.com

-----Original Message-----

From: Galante, Chris (C.R.)
Sent: Wednesday, August 07, 2002 10:47 AM
To: Dalbo, Bob (R.J.)

Subject: calibration change for Escape


Hi Bob.


We spoke earlier about the calibration change for Escape related to stalls, and you gave me a concern number (C11390555) which is related to the finned pintle IAC change. Does the IAC change require the calibration change??

The reason I ask is that service engineering is likely rejecting the concern for, among other reasons, the chance that a customer who has a vehicle out of warranty may change the IAC themselves and not be aware that a TSB exists requiring a reflash. Something I'm curious to know is that on the modular products, we introduced the finned pintle design without any calibration change. Why would the Escape be unique in this regard? If not, should we disassociate the calibration change and IAC change (i.e. have two separate concerns)?

Christopher R. Galante

cgalante@ford.com

 Fax: (313) 337-3813

 Phone: (313) 845-6067

Pager: (313) 795-2807

V-Engine Engineering - Ford Motor Co.

From: Schuman, Howard (H.G.)
Sent: Thursday, July 25, 2002 8:48 AM
To: Grimes, Jeff (J.R.)
Cc: Arnold-norris, Sonya (S.L.)
Subject: RE: Finned Pintle ISC Valve for Current Production Mazda

I've added the Mazda approval information to C11375066 and asked Sonya to close the concern.

Howard Schuman
MPV Duratec Engine Systems
Phone (313) 594-8662
Fax (313) 594-7323

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Thursday, July 25, 2002 8:45 AM
To: Schuman, Howard (H.G.)
Subject: RE: Finned Pintle ISC Valve for Current Production Mazda

Are you going to close your concern, then...The valve is still released off of C11252737....

Or, just use your concern to actually "approve for Mazda", and we'll have documentation (since ours is at history)..Better deal

Thank, Howard

Jeff Grimes
Outfitter's Liaison
Duratec Engine Programs
Ph: 313-322-5237
e-mail: jgrimes1@ford.com

-----Original Message-----

From: Schuman, Howard (H.G.)
Sent: Thursday, July 25, 2002 8:42 AM
To: Carl Slinde (E-mail); Chick, John (J.)
Cc: Wettach, Bill (B.); Grimes, Jeff (J.R.); Yeung, Lam (L.); Hale, Tony (A.S.); Arnold, James (J.A.); Marynowski, Jan (J.M.)
Subject: Finned Pintle ISC Valve for Current Production Mazda

Carl & John,
Mazda has approved the finned pintle ISC valve (1L8E-9F715-AA) for the J16L program. I will add this information to concern C11375066.

Mazda would like to have mean flow ISC valves for their next prototype engine build. This means I need 6 nominal flow parts by the end of August. Can you meet that timing? I'll write the RPS if you can supply a delivery date and cost. Thanks,

Howard Schuman
MPV Duratec Engine Systems
Phone (313) 594-8662
Fax (313) 594-7323

From: Schuman, Howard (H.G.)
Sent: Thursday, July 25, 2002 8:42 AM
To: Carl Blindee (E-mail); Chick, John (J.)
Cc: Wettach, Bill (B.); Grimes, Jeff (J.R.); Yeung, Lam (.); Hale, Tony (A.S.); Arnold, James (J.A.); Marynowski, Jan (J.M.)
Subject: Finned Pintle ISC Valve for Current Production Mazda

Carl & John,
Mazda has approved the finned pintle ISC valve (1L8E-9F715-AA) for the J16L program. I will add this information to concern C11375068.

Mazda would like to have mean flow ISC valves for their next prototype engine build. This means I need 6 nominal flow parts by the end of August. Can you meet that timing? I'll write the RPS if you can supply a delivery date and cost. Thanks,

Howard Schuman
MPV Duratec Engine Systems
Phone (313) 594-6862
Fax (313) 594-7328

From: Schuman, Howard (H.G.)
Sent: Thursday, June 13, 2002 9:53 AM
To: Weitach, Bill (B.); Yeung, Lem (.)
Cc: Grimes, Jeff (J.R.); Marynowski, Jan (J.M.); Arnold, James (J.A.); Carl Silndee (E-mail); Chick, John (J.)
Subject: Mazda Pintle Valve Update

The latest information on the J16L pintle valve design is:

Mazda transparency testing will be completed July 25th. If the valve is transparent, Mazda will accept the new valve at that time. If it is not transparent, Mazda will have to modify their calibration. This would be completed in mid-October.

This is a change in Mazda's position. Previously they said they would not consider changing the calibration.

Howard Schuman
MPV Duratec Engine Systems
Phone (313) 594-6662
Fax (313) 594-7323

From: Dalbo, Bob (R.J.)
Sent: Tuesday, June 04, 2002 8:50 PM
To: Grimes, Jeff (J.R.)
Subject: RE: Finned-Pintle IAC

We released calibrations for all 2003MY LHD and RHD that are compatible with the finned-pintle IACV. I don't know what Hofu plans to build with, however.

Bob Dalbo

3.0L Calibration Supervisor
Outfitters Calibration, NAT
Phone: (313) 24-84947 Fax: (313) 32-31786
Pager: (313) 795-2859 Email: rdalbo@ford.com

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Tuesday, June 04, 2002 1:52 PM
To: Dalbo, Bob (R.J.)
Subject: RE: Finned-Pintle IAC
Importance: High

OK...

How about Tribute and RHD for the '03 pJ#1 action? Is Mazda ready from a calibration standpoint?

-----Original Message-----

From: Dalbo, Bob (R.J.)
Sent: Monday, June 03, 2002 5:20 PM
To: Grimes, Jeff (J.R.)
Subject: RE: Finned-Pintle IAC

The concern did not address past model; we plan to do such a release, but we want to bundle it with some other actions that will mature shortly.

Bob Dalbo

3.0L Calibration Supervisor
Outfitters Calibration, NAT
Phone: (313) 24-84947 Fax: (313) 32-31786
Pager: (313) 795-2859 Email: rdalbo@ford.com

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Friday, May 31, 2002 9:30 AM
To: Dalbo, Bob (R.J.)
Subject: Finned-Pintle IAC

Bob, what are your thoughts on releasing the new IAC for past-model service...with a cal-flash...? I have to verify, but don't believe the concern addressed past model...

Jeff R. Grimes

Duratec Engine Programs

Ph: (313) 32-25237 Fax: (313) 59-47323

email: jgrimes1@ford.com

From: Moorhouse, Scott (S.R.)
Sent: Wednesday, April 17, 2002 10:28 AM
To: Grimes, Jeff (J.R.)

No problem with DPFE's, went through fine.

Scott Moorhouse
U204 PTSE Resident Engineer
Kansas City Assembly Plant
(ph) 816-459-1965 (fax) 816-459-1728
smoorhou@ford.com

From: Akins, Mary (M.)
Sent: Thursday, March 28, 2002 3:10 PM
To: Grimes, Jeff (J.R.)
Subject: RE: White Dot TM DPFE

Whit dot sensors were shipped under alert #A1130452B.

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Thursday, March 28, 2002 2:46 PM
To: Akins, Mary (M.)
Subject: White Dot TM DPFE

Mary, under what authority did you ship Whited Dotted Kavloo Sensors to KCAP?

Jeff R. Grimes

Duratec Engine Programs

Ph: (313) 32-25237 Fax: (313) 59-47323

email: jgrimes1@ford.com

Notes:
 - Initial or check the box to the left of your name to indicate your attendance.
 - Make any corrections to the detail associated with your name.
 - If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
	MA	Aldre	Mary	313-24-81888	On-Site Rep.	Kavlico	POEE	maidre@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
	SA	Allee	Sheran	313-58-40553	EESE - AVT Wiring Specialist	Ford	AVTS	sallee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-32-38763	Chief Engineer	Ford	POEE	jauller@ford.com
	AW	Awad	Mahmoud	313-24-55888	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
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		Bansak	Catherine	313-32-38101	FMEI CPMT Eng./WERA concerns	Ford	POEE	cbansak2@ford.com
		Borauder	Lee	313-84-60981	FQE Supervisor	Ford	TWCTDR	lboraude@ford.com
		Blaef	Garry	313-24-88280	ECI Supervisor	Ford	TWCTDR	gblaef@ford.com
		Bronni	Mark	313-24-84809	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	BS	Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-56003	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Dougless	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdougless@ford.com
	MF	Freeland	Mar	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreelan1@ford.com
	SL	Gates	Fraeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Alige	313-32-20825	C&P Supervisor	Ford	VPC	mgordano1@ford.com
	HM	Hangas	John	313-23-91088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com
		Jahshan	John	734-888-2768	PCSE Applications Engineer	Visteon	POEE	jjahshan@visteon.com
		Johnson	Jim	313-84-58292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kapp	Dev	313-33-78854	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerezzi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerezzi@ford.com
		Koszewnik	John	313-32-28873	Chief Engineer	Ford	POEE	jkoszewn@ford.com
		Kunde	Dick	313-20-85830	PT Focus Program Mgr.	Ford	VPC	dkunde1@ford.com
		Masura	Gordon	313-32-28882	Leader	Ford	FPB4	gmasura@ford.com
		McCarty	Bill	313-59-41081	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-8387	Recall Analyst	Ford	FCSD	dmuter@ford.com

created: 1/11/01
 revised: 2/1/02

2000-2002 Kavlico dPFPE Senior
 Technical Office
 FTDC Room 181

Meeting Date: 2/1/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*		Nielsen	Chris	734-26-68666	Service Buyer	Ford	FCSD	cnilese4@ford.com
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		Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	grosval@ford.com
*		Owens	Karen	313-84-55770	FMEI Supervisor	Ford	POEE	kowens@ford.com
*	K.P.	Panaretos	Chris	313-24-89397	Proj. Mgr. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyong	805-523-2000	VP Research and Devt	Kavlico	CA	kpark@kavlico.com
		Pascany	Ker.	313-24-84889	PT Electronics Engineer	Ford	POEE	kpascany@ford.com
*	Cap	Perry	Orfan	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escapes	Ford	POEE	bperry@ford.com
*	W	Plante	Paul	313-84-54139	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88603	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepeu	Al	313-24-84328	APTE PT GPS	Ford	APTE	araqpeu1@ford.com
*		Ross	Robert	313-84-51438	Wiring GPS - EESE Leader	Ford	Blkg. #1	rossr1@ford.com
*	K	Schieding	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschiedi@ford.com
		Sebold	Lynn	313-24-84720	PT Electronics Engineer	Ford	POEE	lsebold@ford.com
*		Shore	John	734-26-69789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
*		Smythe	Jon	313-82-12985	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com
		Trullio	Tom	313-32-36265	OGC Lawyer	Ford	PDC	ttrullio@ford.com
		Vamer	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cvamer@ford.com
		White-Johnson	Patrice	313-38-04409	STA Site Manager	Ford	AVTS	pwhitej@ford.com
		Williamson	Rick	313-24-88348	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com
		Wilson	Cory	313-39-02652	Chief Engineer	Ford	AVTS	cwilso32@ford.com
		SALHIGH	LOLY		Quality / Student	W/SIL	DETEND	SA
		BUGAS	BARRY	(248)263-8754	MANAGER - AUTOMOTIVE SALES & MKT.	Kavlico Corp		bbugas@kavlico.com
	G.D.	DANHOFF	GARY	313-594-3329	QBD-11 DIAGNOSTICS	FORD	POEE	GDANHOFF@FORD.COM
		MAURER	Jim	313-390-3672	6 SIGMA	FORD	POEE	JMAURER@Ford.COM

Q. J. J. P.

Panaretos, Christine (C.M.)

From: Plante, Paul (P.G.)
Sent: Wednesday, January 30, 2002 3:34 PM
To: Koszewnik, John (J.J.); O'Neal, Jim (J.D.); Plante, Paul (P.G.); Panaretos, Christine (C.M.); Awad, Mahmoud (M.I.); Freeland, Mark (M.); Gates, Freeman (F.C.); Rossi, Roberto (R.A.); Verner, Carol (C.J.); Hanges, Jon (J.); Popoff, Daniel (D.M.); Schieding, Kurt (K.J.); Danhoff, Gary (G.L.); Akins, Mary (M.); Ales, Sheran (S.A.); Owens, Karen (K.E.); Perry, Brian (B.J.); Smyth, Joseph (J.M.)
Subject: HOTI DPFE Senior Offsite Thursday 1/31/02 CANCELLED

This has been moved to Friday, Feb. 1, 2002 due to weather condition complications. Friday offsite is the same site as Thursday, FTDC, room 161, 8:00-5:00. Sorry for any inconvenience this may have caused.

John Koszewnik and Jim Oneal, if you can come to address the group anytime Friday, please attend, and advise me what time works for you. Kavlico will be in POEE Thursday. I can bring them around to meet you briefly if your free Thursday instead of Friday.

Team: Would anyone like to schedule a meeting with Kavlico Thursday to discuss issues, they will have limited time available in the afternoon. If yes, contact Freeman Gates before 9:00 AM Thursday.

Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube B3049, Pillar D5
Tele. 313-84-54138; Fax 39-02513
Text Pager: 734-296-1905
E Mail: pplante@ford.com (CDS ID PPLANTE)

Panaretos, Christine (C.M.)

Subject: Updated: Kavlico TM dPFE Sensor Technical Offsite
Location: FTDC (Room 181 - South Building)

Start: Thu 1/31/02 8:00 AM
End: Thu 1/31/02 5:00 PM
Show Time As: Tentative


Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Akins, Mary (M.); Ailes, Sheran (S.A.); Awad, Mahmoud (M.I.); Freeland, Mark (M.); Gates, Freeman (F.C.); O'Neal, Jim (J.D.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Rossi, Roberto (R.A.); Smythe, Joseph (J.M.); Verner, Carol (C.J.); Johnson, Joe (J.H.); Haggas, Jon (.); Popoff, Daniel (D.M.); Schieding, Kurt (K.J.); Darhoff, Gary (G.L.)

This is the final confirmation for the Kavlico dPFE Technical Offsite. It will be held at the FTDC, South Building, in room 181. There will be an overhead projector, "flip charts", and a TV w/VCR available for use. Please provide an electronic copy of your presentation to CPANARET no later than c.o.b. on Tuesday, January 29, if you are a presenter.

Attached is the agenda for your review. If you have any questions regarding the agenda, please contact Freeman Gates.


Kavlico TM dPFE
Sensor Technical...

Kavlico Tm DPFE Systems Technical Offsite

January 31,2002 - 8:00 AM FTDC RM 161

- | | | |
|--|--------|----------|
| 1. BGR System Overview | | |
| • System/sensor function - Freeman Gates | 10 Min | 8:00 AM |
| • Warranty Summary - Mamhoud Awad | 5 Min | 8:10 AM |
| • Sensor overview - Brady Davies/Kyong Park
(Kavlico) | 1.0 HR | 8:15 AM |
| 2. OBD II Function/Calibration - Gary Danhoff | 30 Min | 9:15 AM |
| Break | 15 Min | 9:45 AM |
| 3. Technical Analysis - Mark Freeland, John Hangaas,
Kyong Park, Brady Davies (Kavlico) | 1.0 HR | 10:00 AM |
| • Transient Voltage | | |
| • Unprotected Area Damage | | |
| 4. Fish Bone Exercise - Paul Plante | 1.0 HR | 11:00 AM |
| LUNCH | 1.0 HR | NOON |
| 4. Fish Bone Exercise - (Continued) | 1.0 HR | 1:00 PM |
| • Assignments | 30 Min | 2:00 PM |
| Break | 15 Min | 2:30 PM |
| 5. IS - Is NOT Exercise - Kurt Scheiding | 2 HR | 2:45 PM |
| 6. Wrap-up - Freeman Gates | 15 Min | 4:45 PM |

Panaretos, Christine (C.M.)

From: North American Education Training and Development. [exchmail@ford.com]
Sent: Thursday, January 31, 2002 9:40 AM
To: All Employees in S.E. Michigan
Subject: FTDC MEETING ROOM RENTAL COST – SUBSTANTIALLY REDUCED

FTDC MEETING ROOM RENTAL COST – SUBSTANTIALLY REDUCED

In an effort to provide an affordable meeting room rental alternative, North American Education, Training and Development is dramatically reducing the Fairlane Training and Development Center (FTDC) meeting room rental price by over 75%. The 2002 meeting room rental rates are based on internal and external facility benchmarking and are fully competitive. Given the challenging economic times, it is important that we utilize internal meeting space before spending Company dollars outside. Below are select examples of the pricing changes:

<u>Room Capacity</u>	<u>2001</u>	<u>2002</u>	<u>% Reduction</u>
10	\$225	\$50	78%
20	\$610	\$100	84%
30	\$945	\$150	84%
40	\$1,145	\$200	83%

Room Amenities

The FTDC has approximately 70 rooms available, over 20 different room configurations and accommodations for 6 up to 240 participants. Every room comes equipped with overhead projectors, dry erase boards, flip charts and markers. In-focus machines, if available, are also provided at no extra charge. Also, provided at no charge is room set up and support. The FTDC contains a full cafeteria at participant expense.

Room Information and Scheduling

The following web sites and phone numbers will assist you in identifying your desired facilities/equipment requirements and will help you in scheduling a room. Meeting room rentals are available to both internal and external customers. All meetings for groups of 10 or more must be registered through Corporate Meeting Planning.

- **Room and Equipment Information**
 - FTDC web site: www.etd.ford.com/ftdc
 - FTDC Customer Service phone: (313) 845-5255
- **Meeting Registration and Scheduling**
 - Corporate Meeting Planning: web site: www.travel.ford.com; phone: (313) 845-9366
 - FTDC Customer Service phone: (313) 845-5255

Panaretos, Christine (C.M.)

From: Poana, Elisabeth (E.)
Sent: Thursday, January 24, 2002 4:35 PM
To: Panaretos, Christine (C.M.)
Subject: Room Confirmation #307184

Hi Christine,

Attached is the room confirmation for the meeting on the 31 of Jan. Please read, sign, date, and return by the date indicated. Thanks!



afd-03.01-03a
Meeting Confir...

Elisabeth T. Poana
NA ET&D/Program Coordinator
Computer Curriculum & Six Sigma
■ (313) 84-55255 x 7770
■ (313) 62-14270
✉ smallto:epoana@ford.com



Meeting Confirmation

Confirmation #: 301164 Room(s): 161 S @ \$125 Per Day
 Date: Jan. 31, 2002 Time: 7:30 a.m. - 5:00 p.m.
 Event Name: KAZLICO dPFE Sensor
 Equipment: Standard Lunch: 22 @ \$8.25 Per Person

Cancellation Policy:

- CANCELLATIONS must be made in writing to register@ford.com **10 or more business days** prior to the event start date.
- Any cancellation within 10 business days will be charged in full.
- In your correspondence, please include your confirmation number for the meeting.
- FTDC reserves the right to cancel scheduled rooms with a 90-day notice.

Equipment:

- All 20 person rooms or larger are equipped with an Overhead Projector & Screen, TV / VCR, 3 Flip Charts and 1 Whiteboard.
- 6, 8, & 10 person rooms are equipped with 2 Flip Charts and 1 Whiteboard.
- Equipment requests not made at least **5 full business days** before the event start date will be billed a 20% late charge.
- All special equipment brought into the building must be approved by room scheduling prior to the event date and checked in/out with Security. Located on the North side of the building.

Participant Count:

- Please e-mail with any changes to your participant count **5 full business days** prior to event start day.
- Lunch Vouchers are **non-refundable** and can only be used for date issued.

Computer Systems Support:

- All computers requiring nonstandard software or special equipment must be approved **10 full business days** prior to event date, otherwise we may not be able to accommodate.

Other:

- Please leave the room as clean as it was found; otherwise a housekeeping fee will be assessed.
- Please make sure to remove all valuables from the rooms each night, as the rooms are used for evening programs.
- **All changes in equipment and furniture requests to your original reservation must be made by 12:00 P.M. on Jan. 29 via fax or e-mail.**
- In accordance with Life Safety Regulations, the room you have reserved is a 25 person capacity room.

Please sign and return this contract via fax at (313) 62-14270 by Jan. 25

Signature: <i>Karen F. Owens</i>	Date: <i>1/29/02</i>
Print Name: <i>Karen F. Owens</i>	Phone: <i>313.845.5770</i>

19000 Hubbard Drive
 Dearborn, MI 48124

Phone: 313-84-55255
 FAX: 313-62-14270

Form # ETD-F5.61-05A
 Author: John A. Gaffney

Issue Date: 7/1/01 DRAPY
 Rev. Date: N/A
 Page 1 of 1

Electronic Copy Is Controlled
 Quality Record When Completed

EA02-027-D 5369

ENR-027-D 5379

1/2/00
m...

created: 12/11/01
revised: 1/29/02

2000-2002 Kavlico TM dPFE Sensor
Attendance List

Meeting Date: 1/29/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Albrecht	Günther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
*	DD	Allee	Sharan	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVTE	sallee@ford.com
		Arnold	Karl	313-24-84178	PT Elec Appl - 4.0 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jira	313-32-38783	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansek	Catherine	313-32-38101	FMEI CPMT Eng./WERe concerns	Ford	POEE	cbansek2@ford.com
		Bersuder	Lee	313-84-50681	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Blaef	Garry	313-24-86280	ECI Supervisor	Ford	TWCTDR	gblaef@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	✓	Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4Y Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
*	MP	Freeland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
*	7.9	Gate	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgate@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgiordano1@ford.com
		Hanges	Jon	313-23-31058	FRL Scan Elec Microscope-Expert	Ford	FRL	jhanges@ford.com
		Jahahan	John	734-686-2759	PCSE Applications Engineer	Visteon	POEE	jahahan@visteon.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	johnton@ford.com
		Kapp	Dan	313-93-78554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kanzel	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkanz@ford.com
	✓	Kozzownik	John	313-32-28973	Chief Engineer	Ford	POEE	kozownik@ford.com
		Kunde	Olef	313-20-85930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Maura	Gordon	313-32-28882	Leader	Ford	FPB4	gmaura@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-249-9391	Recall Analyst	Ford	FCSD	dmuter@ford.com

EA82-827-D 8371

created: 12/11/01
 revised: 1/28/02

2000-2002 Kavlico™ dPFE Sensor
 Attendance List

Meeting Date: 1/28/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	CS	Nielsen	Chris	734-26-69886	Service Buyer	Ford	FCSD	cnelsen4@ford.com
*	✓	O'Neal	Jim		FMEI Dept. Mgr.	Ford	POEE	lonorf@ford.com
		Oswalt	Greg	313-99-01160	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
*	KS	Owens	Kenan	313-84-55770	FMEI Supervisor	Ford	POEE	kwowens@ford.com
*	CS	Panaretos	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Kon	313-24-84889	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
*	✓	Perry	Brian	313-99-04170	PT Elec Appl 2.0L Zetec Focus/Escape 6	Ford	POEE	bperry@ford.com
*	✓	Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	aplante@ford.com
		Popoff	Dan	313-24-89803	C&P Quality Eng (Leader)	Ford	VFC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araqepau1@ford.com
*		Ross	Robert	313-84-51498	Wiring CPS - EESB Leader	Ford	Bldg. #1	rross1@ford.com
*	KS	Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschled1@ford.com
		Sebold	Lynn	313-24-84720	PT Electronics Engineer	Ford	POEE	lsebold@ford.com
*	KS	Shore	John	734-29-89789	PS&L Recall Mgr.	Ford	FCSD	lshore@ford.com
		Smythe	Joe	313-82-12995	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
	✓	Tamashiro	Terry	805-523-2000	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com
		Trullo	Tom	313-32-38266	OGC Lawyer	Ford	PDC	ttrullo2@ford.com
	✓	Verner	Carol	313-99-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitej@ford.com
		Williamson	Rick	313-24-56348	ECI Prod. Con. Anal.	Ford	FCSD	rwill11@ford.com
		Wilson	Gary	313-39-02652	Chief Engineer	Ford	AVTS	gwilson32@ford.com

EM2-027-D B372

EMR-027-D 0373

1/2/02
MEETING

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Wednesday, January 30, 2002 1:04 PM
To: Akins, Mary (M.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auller, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Dorr; Bandoske, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Bissi, Gerry (G.); Bronri, Mark (M.I.); Davies, Brady; Deab, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Hanges, Jon (.); Jahshan, John; Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerezi, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Muter, Doraan (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plants, Paul (P.G.); Popoff, Daniel (D.M.); Raquepau, Alden (A.P.); Rossi, Roberto (R.A.); Schleding, Kurt (K.J.); Sebold, Lynn (L.A.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Meeting Minutes from 1/24 and 1/29/02 Kavlico dPFE Sensor Core Team

Attached please find the meeting minutes from the above Kavlico TM dPFE Sensor Core team meetings. If you have any questions, please contact me.


Kavlico meeting
Minutes_012402...


Kavlico meeting
Minutes_012902...

Chris Panaretos

Project Manager, Project Solutions, LLC.
Lead POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29265

created: 12/11/01
 revised: 1/24/02

2000-2002 Kavlico TM dPFE Sensor
 Attendance List

Meeting Date: 1/24/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akine	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makine@ford.com
		Albrecht	Gunther	313-32-23183	Service Engineer	Ford	POEE	calbrech@ford.com
*		Alles	Sheran	313-89-40653	EESE - AVT Wiring Specialist	Ford	AVT6	aalles@ford.com
		Arnold	Kan	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-82-38783	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayars	Don	805-623-2000	Program Manager/Technical Leader	Kavlico	CA	davyars@kavlico.com
		Banasik	Catherine	313-32-38101	FMEI CPMT Eng/WERs concerns	Ford	POEE	cbanasik@ford.com
		Bersuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Bisai	Garry	313-24-88280	ECI Supervisor	Ford	TWCTDR	gbisai@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Davies	Brady	805-623-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-56038	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-93-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
		Freeland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Gates	Freeman	313-82-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20885	C&P Supervisor	Ford	VPC	mgiora1@ford.com
		Hanges	Jar	313-23-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	lhanges@ford.com
		Jahshan	John	794-688-2759	PCSE Applications Engineer	Viateon	POEE	jahshan@viateon.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	johneon@ford.com
		Kapp	Dan	313-33-78554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerazi	Karen	313-20-63387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		Kozzawnik	Jan-1	313-32-28973	Chief Engineer	Ford	POEE	kozawn@ford.com
		Kunde	Olef	313-20-85980	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29882	Leader	Ford	FPB4	gmasura@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-9391	Recall Analyst	Ford	FCSD	dmuter@ford.com

EM02-027-D 8378

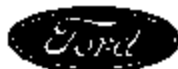
Created: 12/11/01
 revised: 1/24/02

2000-2002 Kevlco TM dPFE Sensor
 Attendance List

Meeting Date: 1/24/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*		Nielsen	Chris	734-28-89888	Service Buyer	Ford	FCSD	enielsen4@ford.com
*	JAC	O'Neill	Jim		FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
*		Owens	Karen	313-84-55770	FMEI Supervisor	Ford	POEE	kowens@ford.com
*	OS	Panarellos	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanarel@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kevlco	CA	kpark@kevlco.com
		Pascary	Ken	313-24-84889	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
*		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
*		Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88603	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araquepau1@ford.com
*		Rossel	Robert	313-84-51436	Wiring CPS - EESE Leader	Ford	Bldg. #1	rossel1@ford.com
*	K	Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschled@ford.com
		Sebold	Lynn	313-24-84720	PT Electronics Engineer	Ford	POEE	lsebold@ford.com
*	J	Shore	John	734-26-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
*		Smythe	Joe	313-62-12995	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tanashiro	Terry	805-523-2000	Warranty Analyst	Kevlco	CA	ttanashiro@kevlco.com
		Trujillo	Tom	313-32-38265	OGC Lawyer	Ford	PDC	trujil2@ford.com
*		Vamer	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cvamer@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitej@ford.com
		Williamson	Rick	313-24-88348	ECI Prod. Con. Anal.	Ford	FCSD	rwil110@ford.com
		Wilson	Cary	313-39-02852	Chief Engineer	Ford	AVTS	cwilson32@ford.com
		RAY	RAYON (KAV)					
		BARRY BURGESS			Kevlco			

EM02-027-D 5378



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: January 24, 2002
Time: 1-3:00 p.m.
Location: POEH, DI-196 (FMET War Room)
Called By: Karca Owens, Team Leader: (313) 84-55770
Next Meeting (s): January 29, 2002, 1-2:30 p.m., POEH DI-196
 January 31, 2002, Technical Office - PTDC
Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#

Core Team Participants

Black Belt	Kavlico	V-Engine	Quality Office	EESE	Purchasing
Mark Freeland	Mary Atkins Don Ayers	Jim O'Neill Freeman Gates	Mahmoud Awad Kurt Schieding	Sheran Altes Robert Ross	Joe Smythe Chris Nielsen
Team Leader		Chris Panaretos Pat Plantz Carol Verrec		PCSE Ken Arnold Brian Parry	
Karca Owens					

Meeting Agenda - 1/22/02

<u>Order of Agenda Items</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions	All	1 minute
2. Agenda Review	All	1 minute
3. Purchasing issues and overview	John Shore	20 minutes
4. Kavlico overproduction available for service fix	J. Costines (Kavlico)	5 minutes
5. Technical Office agenda (1/31/02)	Freeman Gates	20 minutes
6. Motorola implementation status for J. Koszewski/D. Szczupak review	Joe Johnson	10 minutes
7. 01/02 sensor release process update and service purge stock	Karca Owens	5 minutes
8. Kavlico sensor D&R responsibility	Jim O'Neill	5 minutes
9. Black-belt help for Mark Freeland (data mining and analysis)	Jim O'Neill	3 minutes
10. Open Issues/Assignments list items	All	25 minutes
11. Walk-in's	All	20 minutes
12. Next Meeting Agenda Items	All	5 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET
 Please be on time as we have a full agenda

Panaretos, Christine (C.M.)

From: Plante, Paul (P.G.)
Sent: Wednesday, January 23, 2002 4:06 PM
To: Panaretos, Christine (C.M.); Owens, Karen (K.E.); Gates, Freeman (F.C.); Frelund, Mark (M.); O'Neall, Jim (J.D.); Nielsen, Christian (C.A.); Shore, John (J.); Plante, Paul (P.G.)
Subject: Kavlico Sensor Agenda Thursday 1/24/02-ACTION REQUIRED

Chris Panaretos, please send to all core team members and presentors.

John Shore/Chris Nielsen: Please align your issues before the meeting and attend to present at 1:00 PM in the POEE War Room, FMEI department.

Others: Review the items assigned to you on the attached agenda.



Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pillar D5
Tele. 313-84-54138; Fax 39-02513
Text Pager: 734-298-1906
E Mail: pplane@ford.com (CDS ID PPLANTE)

Kavlico Team Meeting Agenda

Time (Min) Person Item

Thursday 1/24/02

1	1 All	Introductions
2	1 All	Agenda review
3	20 John Shore	Purchasing issues
4	5 J. Costalnes	Kavlico overproduction available for service fix
5	20 Freeman	Tech Offsite 1/31 agenda
6	10 J. Johnson	Motorola implementation status for Koszewnik/Szczupak (due 1/28 to J.K.)
7	5 Karen	1/02 sensor release process update and service purge stock
8	5 Jim Oneal	Kavlico Sensor D&F responsibility
9	3 Jim Oneal	Black Belt help for Mark Freeland (data mining and analysis)
10	25 All	Open issues/Assignments list items
11	20 All	Walk ins
12	5 All	Next meeting agenda

120 TOTAL

Tuesday 1/29/02

A	Mark/Kav	Field returns analysis
B	Alex/Rosal	Wiring Harness noise concerns update
C	Carol/Jos	STA trip summary
D	F. Gates	Offsite agenda review

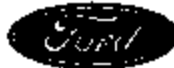
Future Agenda Items

A	Bob Janitz	Kavlico improved sensor test results from Focus (Carol Verner issue)
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P. G. Plante

1/23/02

pgp/agenda1.xls



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: **Establish and implement corrective and containment actions for Kavlico TM dPFK Sensor**

Meeting Logistics

Subject: Kavlico TM dPFK Sensor Core Team
Date: January 22, 2002
Time: 1-2:30 p.m.
Location: POEB, DI-196 (FMHI War Room)
Called By: Karen Owens, Team Leader: (313) 84-55770
Next Meeting (s): January 24, 2002, 1-3:00 p.m., POEB DI-196
 January 29, 2002, 1-2:30 p.m., POEB DI-196
Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#

Core Team Participants

Black Belt Mark Freeland	Kavlico Mary Akins Don Ayers	Y-Engine Jim O'Neall Freeman Gates Chris Pasareton Paul Plante Carol Verner	Quality Office Mahmoud Awad Kurt Schieding	EPSE Sheran Alles Robert Rosal	Purchasing Joe Smythe Chris Nielsen
Team Leader Karen Owens				PCSE Ken Arnold Brian Perry	

Meeting Agenda - 1/22/02

<u>Order of Agenda Items</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions	All	1 minute
2. Agenda Review	All	1 minute
3. Corrections to last meeting minutes	All	3 minutes
4. Purchasing issues and overview	John Shope	25 minutes
5. J. Padilla review summary	Freeman Gates	10 minutes
6. Field returns analysis	Mark Freeland, Don Ayers	10 minutes
7. Wiring Harness noise concerns	Brian Perry, Sheran Alles	15 minutes
8. Technical Offsite agenda (1/31/02)	Freeman Gates	5 minutes
9. Kavlico sensor field service parts availability and old stock purge status	All	5 minutes
10. Open Issues/Assignments list items	All	5 minutes
11. Walk-in's	All	5 minutes
12. Next Meeting Agenda Items	All	5 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARBT
 Please be on time as we have a full agenda

K. Owens/cp: 1/22/02
 Kavlico dPFK Sensor Core Team

created: 1/11/01
 revised: 1/22/02

2000-2002 Kavlico dPFE Sensor
 Attendance List

Meeting Date: 1/22/02

Please:								
• Initial or check the box to the left of your name to indicate your attendance.								
• Make any corrections to the detail associated with your name.								
• If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	PK.A.	Aldra	Mary	313-24-81889	On-Site Rep.	Kavlico	POEE	maikna@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	gaalbrech@ford.com
*	S.A.	Allee	Sheran	313-69-40563	EESE - AVT Wiring Specialist	Ford	AVT5	saallee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F180 Supv./Leader	Ford	POEE	kaarnold@ford.com
		Auller	Jim	313-32-38783	Chief Engineer	Ford	POEE	jauller@ford.com
*	M.A.	Awad	Mahmoud	313-24-83868	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-525-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansack	Catherine	313-32-38101	FMEI CPMT Eng./WEPA concerns	Ford	POEE	cbansack2@ford.com
		Bensuder	Lee	313-84-50881	FOE Supervisor	Ford	TWCTDR	lbensude@ford.com
		Bissel	Garry	313-24-98280	ECI Supervisor	Ford	TWCTDR	gbissel@ford.com
		Bronni	Mark	313-24-84608	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	✓	Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-56003	PT Elec Appl 9.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglase	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglase@ford.com
*	M.D.	Freeland	Mark	313-69-47846	6-Sigma Black Belt	Ford	FRL	mfrsela1@ford.com
*	✓	Foster	Freeman	313-82-24807	FMEI Tech Spec/Technical Lead	Ford	POEE	ffoster@ford.com
		Glardeno	Mike	313-32-20828	C&P Supervisor	Ford	VPC	mglardeno1@ford.com
		Hargas	Jan	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhargas@ford.com
	J.H.	Jahshan	John	734-686-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	johneon@ford.com
		Kapp	Dan	313-33-76554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerezi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
	K.S.	Kaszewnik	John	313-32-28873	Chief Engineer	Ford	POEE	jkaszewnik@ford.com
		Kunde	Olaf	313-20-85930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masurs	Gordon	313-32-28882	Leader	Ford	FPB4	gmasurs@ford.com
		McCarty	Bill	313-69-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
	✓	Muter	Doreen	313-248-8391	Recall Analyst	Ford	FCSD	dmuter@ford.com

created: 11/01
revised: 1/22/02

2000-2002 Kavlico dPFE Sensor
Attendance List

Meeting Date: 1/22/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*		Nislean	Chris	734-28-89886	Service Buyer	Ford	FCSD	cnislean1@ford.com
*		O'Neill	Jim		FMEI Dept. Mgr.	Ford	POEE	jooneill@ford.com
		Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
*		Owens	Karen	313-84-55770	FMEI Supervisor	Ford	POEE	kowens@ford.com
*	OK	Panaretos	Chris	313-24-88937	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascany	Ken	313-24-84889	PT Electronics Engineer	Ford	POEE	kpascany@ford.com
*	BP	Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
*	BP	Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88903	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CP8	Ford	APTE	araquep1@ford.com
*	P.S.	Rosel	Robert	313-84-51438	Wiring CP8 - EESE Leader	Ford	Bldg. #1	rrosel1@ford.com
*	KS	Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschled1@ford.com
		Sebold	Lynn	313-24-84720	PT Electronics Engineer	Ford	POEE	lsebold@ford.com
*		Shore	John	734-28-88789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
*		Smythe	Joe	313-62-12995	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com
		Trullio	Tom	313-32-38285	OGC Lawyer	Ford	PDC	ttrullio2@ford.com
*		Vanner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cvanner@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitejo@ford.com
		Williamson	Rlok	313-24-88949	ECl Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com
		Wilson	Cary	313-39-02882	Chief Engineer	Ford	AVTS	cwilson32@ford.com



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: January 22, 2002
Time: 1-2:30 p.m.
Location: POEH, DI-196 (FMHI War Room)
Called By: Karen Owens, Team Leader; (313) 84-55770
Next Meeting (s): January 24, 2002, 1-3:00 p.m., POEH DI-196
 January 29, 2002, 1-2:30 p.m., POEH DI-196
Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 688 14368

Core Team Participants

Black Bolt	Kavlico	Y-Engine	Quality Office	EBSE	Purchasing
Mark Freeland	Mary Akias Don Ayers	Jim O'Neall Freeman Gates	Mahmoud Awad Kurt Schieding	Sheran Altes Robert Rossi	Joe Smytho Chris Nilsen
Team Leader		Chris Pasaretos Paul Plante Carol Verner		PCSE	
Karen Owens				Ken Arnold Brian Parry	

Meeting Agenda - 1/22/02

<u>Order of Agenda Items</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions	All	1 minute
2. Agenda Review	All	1 minute
3. Corrections to last meeting minutes	All	3 minutes
4. Purchasing issues and overview	John Shore	25 minutes
5. J. Padilla review summary	Freeman Gates	10 minutes
6. Field returns analysis	Mark Freeland, Don Ayers	10 minutes
7. Wiring Harness noise concerns	Brian Parry, Sheran Altes	15 minutes
8. Technical Offsite agenda (1/31/02)	Freeman Gates	5 minutes
9. Kavlico sensor field service parts availability and old stock purge status	All	5 minutes
10. Open Issues/Assignments list items	All	5 minutes
11. Walk-in's	All	5 minutes
12. Next Meeting Agenda Items	All	5 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET
 Please be on time as we have a full agenda

K. Owens/cp: 1/22/02
 Kavlico dPFE Sensor Core Team


EM02-827-D 5383

Panaretos, Christine (C.M.)

From: Panaretos, Christina (C.M.)
Sent: Friday, January 18, 2002 11:51 AM
To: Aldre, Mary (M.); Albrecht, Guenter (G.K.); Ailes, Sheran (S.A.); Arnold, Kenneth (K.M.); Auiler, Jim (J.E.); Awad, Mahmoud (M.L.); Ayers, Don; Bandoeka, Pete (P.F.); Baneak, Catherine (C.K.); Bersuder, Lee (L.C.); Bissi, Gary (G.); Bronni, Mark (M.I.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Hangas, Jon (.); Jahshan, John; Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kenzi, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oawak, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raquepeu, Aldan (A.P.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Sabock, Lynn (L.A.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Agenda for 1/22/02 Kavlico dPFE Sensor Core Team Meeting

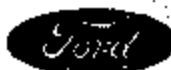
Attached please find the agenda for the Tuesday, 1/22/02, Kavlico dPFE Sensor core team meeting. The meeting is held at POEE, CR. DI-196 (located in the FMEI Department at the far south end of the building). If you are scheduled as a presenter, please have handouts available and e-mail your presentation prior to the meeting to me at CPANARET. There will be an overhead projector available and also a speakerphone. If you wish to teleconference, the number is on the attachment.

If you have any questions, please do not hesitate to contact me.


Kavlico Meeting
Format_012202.....

Chris Panaretos

Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-88337
Fax: (313) 32-29265



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: January 22, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMHI War Room)
Called By: Karen Owens, Team Leader: (313) 84-55770
Next Meeting (s): January 24, 2002, 1-3:00 p.m., PCSE DI-196
 January 29, 2002, 1-2:30 p.m., PCSE DI-196
Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#

Core Team Participants

<u>Black Belt</u> Mark Freeland	<u>Kavlico</u> Mary Atkins Don Ayers	<u>V-Engines</u> Jim O'Neill Freeman Gates Chris Panaretos Paul Plante Carol Verner	<u>Quality Office</u> Mahmoud Awad Kurt Schieding	<u>EBSE</u> Sheran Alles Robert Rossi	<u>Purchasing</u> Joe Snydke Chris Nielson
<u>Team Leader</u> Karen Owens				<u>PCSE</u> Ken Arnold Brian Perry	

Meeting Agenda - 1/22/02

<u>Order of Agenda Items</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions	All	1 minute
2. Agenda Review	All	1 minute
3. Corrections to last meeting minutes	All	3 minutes
4. Purchasing issues and overview	John Shure	25 minutes
5. J. Padilla review summary	Freeman Gates	10 minutes
6. Field returns analysis	Mark Freeland, Don Ayers	10 minutes
7. Wiring Harness noise concerns	Brian Perry, Sheran Alles	15 minutes
8. Technical Offsite agenda (1/31/02)	Freeman Gates	5 minutes
9. Kavlico sensor field service parts availability and old stock purge status	All	5 minutes
10. Open Issues/Assignments list items	All	5 minutes
11. Walk-in's	All	5 minutes
12. Next Meeting Agenda Items	All	5 minutes

Notes

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 Provide electronic copies of presentations to CPANARET
 Please be on time as we have a full agenda

K. Owens/cp: 1/18/02
 Kavlico dPFE Sensor Core Team

ENG-027-D 0306

11-10-02 0306

Panaretos, Christine (C.M.)

From: Plante, Paul (P.G.)
Sent: Friday, January 18, 2002 11:17 AM
To: Panaretos, Christine (C.M.)
Cc: Plante, Paul (P.G.); Shore, John (J.); McCarty, Bill (W.D.); Nielsen, Christian (C.A.)
Subject: DPF Sensor Team Meeting Agenda-Tuesday 1/22/02

Chris E Mail to team please today. Check that the call in phone number, and passcode are given.

Bill McCarty, Chris Nielsen and John Shore you are first up (Item #4) on agenda. Please attend and be prepared to discuss your issues associated w/ field service supply of the sensor. You will receive an official meeting notice via E Mail also. Please attend in person if possible, the discussion will be better than teleconferencing.

Agenda:

- 1) Introductions
- 2) Agenda review
- 3) Corrections from last meeting (5 minutes total 3 items)
- 4) Purchasing issues and overview (John Shore) (25 minutes)
- 5) J. Padilla Review summary (Freeman Gates) (10 minutes)
- 6) Field returns analysis (Mark Freeland & Don Ayers) (10 minutes)
- 7) Wiring Harness noise concerns (Brian Perry/Sharon Alles) (15 minutes)
- 8) Tech Offsite agenda (Freeman Gates) (5 minutes)
- 9) Kavalco sensor field service parts availability and old stock purge status (Team) (5 minutes)
- 10) Open Issues/Assignments List Items (All) (5 minutes)
 -) Walk Ins (All) (5 minutes)
- 11) Next meeting agenda (5 minutes) (All)

Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pillar D5
Tele. 313-84-54138; Fax 39-02513
Text Pager: 734-298-1905
E Mail: pplante@ford.com (CDS ID PPLANTE)


Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Friday, January 18, 2002 1:02 PM
To: Akins, Mary (M.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Awad, Mahmoud (M.I.); Ayers, Don; Frøeland, Mark (M.); Gates, Freeman (F.C.); Nielsen, Christian (C.A.); O'Neall, Jim (J.D.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Smythe, Joseph (J.M.); Verner, Carol (C.J.)
Subject: Meeting Minutes from Kavfoo dPFE Sensor 1/17/02

Hi all,
Attached please find the meeting minutes from yesterday. I am only distributing these to the core team because of Karen being out this week (not being able to review). If you feel the minutes should go out to any "external" members, please let me know and I will forward.

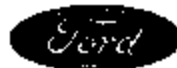
Please note the assignments at the bottom of the document. We will be reviewing these for progress at Tuesday's meeting.

Have a great extended weekend!


Enylco meeting
minutes_011702...

Chris Panaretos

Project Manager, Project Solutions, LLC.
Lead POEE, Components "B"
(313) 24-88337
Fax: (313) 32-28265



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: January 17, 2002
Time: 1-3:00 p.m.
Location: POBE, DI-196 (FMRI War Room)
Called By: Karen Owens, Team Leader: (313) 84-55770
Next Meeting (s): January 22, 2002, 1-3:00 p.m., POBE DI-196
January 24, 2002, 1-3:00 p.m., POBE DI-196
Conference Call-in Number: 9-1-954-1149 (inside Ford); 847-619-6158 (outside)

Core Team Participants

Black Belt Mark Freedland	Kavlico Mary Atkins Don Ayers	Y-Engine Jim O'Neal Freeman Gates Chris Panaretos Paul Plante Carol Verzar	Quality Office Mahmoud Awad Kurt Schieding	EESE Sheran Alles Robert Ross	Purchasing Joe Smythe Chris Nielson
Team Leader Karen Owens				PCSE Ken Arnold Brian Perry	

Meeting Agenda - 1/17/02

<u>Order of Agenda Items</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions	All	5 minutes
2. Agenda Review	All	5 minutes
3. Corrections to last meeting minutes	All	5 minutes
4. STA Issues and Kavlico Trip (1/22-1/25/02) Overview	Joe Smythe	30 minutes
5. Technical Office 1/31/02: Agenda and Facilities	Freeman Gates	30 minutes
6. Kavlico Update: Return parts analysis	Don Ayers	10 minutes
7. Engine Plant Issue; 1/7/02 sensor release procedure	Joe Johnson	5 minutes
8. Open Issues and Assignments timing due Friday 1/18 (for 1/22 agenda)	Paul Plante	5 minutes
9. Walk-in's	All	20 minutes
10. Next Meeting Agenda Items	All	5 minutes

Notes

Bring handouts (paper copies) for all presentations
Provide electronic copies of presentations to CPANARBT

K. Owens/tp: 1/17/02
Kavlico dPFE Sensor Core Team

created: 12/11/01
revised: 1/17/02

2000-2002 Kavlico TM dPFE Sensor
Attendance List

Meeting Date: 1/17/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member:								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	✓	Akne	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makne@ford.com
		Albrecht	Gunther	313-32-29153	Service Engineer	Ford	POEE	galbrecht@ford.com
*		Allee	Sheran	313-59-40563	EESE - AVT Wiring Specialist	Ford	AVTS	sallee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Aulier	Jim	313-32-88768	Chief Engineer	Ford	POEE	jaulier@ford.com
*	MA	Awad	Mahmoud	313-24-83888	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Baneak	Catherine	313-32-88181	FMEI CPMT Eng./WEFA concerns	Ford	POEE	cbaneak2@ford.com
		Bersuder	Lee	313-84-60881	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Blael	Garry	313-84-86280	ECI Supervisor	Ford	TWCTDR	gblael@ford.com
		Bronni	Mark	313-24-84808	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-88008	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
*	MAF	Freedland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreedl1@ford.com
*	MA	Feates	Freeman	313-32-24887	FMEI Tech Spec./Technical Lead	Ford	POEE	fates@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgiorda1@ford.com
		Hargas	Jon	313-23-81088	FRL Scan Elec Microscope-Expert	Ford	FRL	
		Johnsen	John	734-655-2758	PCSE Applications Engineer	Visteon	POEE	jjohnsen@visteon.com
		Johnson	Joe	313-84-56292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kapp	Don	313-33-78884	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Karezi	Karan	313-20-88987	FMEI AWS Analyst	Ford	POEE	kkarezi@ford.com
		Kozewnik	John	313-32-28973	Chief Engineer	Ford	POEE	kozewnik@ford.com
		Kunda	Claf	313-20-85930	PT Focus Program Mgr.	Ford	VPC	ckunda1@ford.com
		Masura	Gordon	313-32-29882	Leader	Ford	FPB4	gmasura@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Mutar	Doreen	313-248-8381	Recall Analyst	Ford	FCSD	dmutar@ford.com

EM02-827-0 9388

created: 12/11/01
revised: 1/17/02

2000-2002 Kavlico TM dPFE Senior
Attendance List

Meeting Date: 1/17/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*		Nielsen	Chris	734-28-69888	Service Buyer	Ford	FCSD	crnielsen4@ford.com
*	JRO	O'Neal	Jim		FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Gowalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	ggowalt@ford.com
*		Owens	Karen	313-84-55770	FMEI Supervisor	Ford	POEE	kowens@ford.com
*	CP	Parasotes	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cparasotes@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84890	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
*		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escapes	Ford	POEE	bperry@ford.com
*		Plante	Paul	313-84-64138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88608	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84328	APTE PT CPS	Ford	APTE	aramuse1@ford.com
*		Rosal	Robert	313-84-51498	Wiring CPS - EESE Leader	Ford	Bkdg. #1	rosal1@ford.com
*		Schleding	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschleding@ford.com
		Sebold	Lynn	313-24-84720	PT Electronics Engineer	Ford	POEE	lsebold@ford.com
		Shore	John	734-26-89789	PS&L Recell Mgr.	Ford	FCSD	jshore@ford.com
*		Smythe	Joe	313-82-12886	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com
		Trujillo	Tom	815-32-38265	OGC Lawyer	Ford	PDC	ttrujil2@ford.com
		Vemer	Carol	313-38-07180	FMEI Engineer	Ford	POEE	cvermer@ford.com
		White-Johnson	Patrice	313-38-04409	STA Site Manager	Ford	AVTS	pwhite@ford.com
		Williamson	Rick	313-24-88348	ECI Prod. Con. Anal.	Ford	FCSD	rwill110@ford.com
		Wilson	Cary	313-38-02652	Chief Engineer	Ford	AVTS	cwilson2@ford.com
		BUGAS	Barry			Kavlico		

ENG-027-D 5391

Kavlico Tm DPFE Systems Technical Offsite

January 31, 2002 - 8:00 AM FTDC RM TBD

- | | |
|---|------------|
| 1. EGR System Overview – Freeman Gates | 1.5 HR |
| • System Function | |
| • Sensor overview | |
| • QA | |
| 2. OBD II Function/Calibration - Gary Danhoff | .5 HR |
| • QA | |
| Break | 15 minutes |
| 3. Black- Belt Presentation – Mark Freeland | 1.5 HR |
| • Transient Voltage | |
| • Unprotected Area Damage | |
| • QA | |
| LUNCH | |
| 4. Reliability Analysis - Mamhoud Awad | 1.5 HR |
| • Trend charts | |
| • Reliability Matrix | |
| • Fish bone Chart | |
| • QA | |
| Break | |
| 5. Brain Storming session - Facilitator | 1.5 HR |
| 6. Wrap-up - Freeman Gates | .5 HR |
- IS/TS No-*


Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Wednesday, January 16, 2002 4:10 PM
To: Akina, Mary (M.); Albrecht, Guenter (G.K.); Ailes, Sharan (S.A.); Arnold, Kenneth (K.M.); Auler, Jim (J.E.); Awad, Mahmoud (M.L.); Ayers, Don; Bandozka, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Blas, Gerry (G.); Bronni, Mark (M.J.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Frøeland, Mark (M.); Gates, Freeman (F.C.); Glordano, Mike (M.A.); Hansas, Jon (.); Jahshan, John; Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerasz, Karen (K.J.); Koszewnik, John (J.J.); Kunda, Olaf (O.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oewalt, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Sabold, Lynn (L.A.); Shora, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Verner, Carol (C.J.); White-Johnson, Patricia (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Meeting Agenda for 1/17/02 Kavlico dPFE Sensor

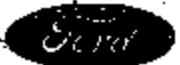
Attached please find the meeting agenda for the Kavlico dPFE Sensor team meeting that will be held tomorrow from 1-3:00 p.m. The conference room is located in the FMEI department at the far south-end of the building. If you are a presenter on this agenda, please have handouts (20 copies) ready (for non-confidential documents). There will be an overhead projector for use during the meeting.

Also, there is now a call-in number for those who cannot physically make the meeting. The call in number (within Ford) is 9-1-954-1149. The outside call in number is 847-619-8158.

If you have any questions, please contact me.


Kavlico Meeting
Room_011702....

Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-88337
Fax: (313) 32-29265



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: January 17, 2002
Time: 1-3:00 p.m.
Location: POEE, DI-196 (FMEL War Room)
Called By: Karen Owens, Team Leader: (313) 84-55770
Next Meeting (s): January 22, 2002, 1-3:00 p.m., POEE DI-196
 January 24, 2002, 1-3:00 p.m., POEE DI-196
Conference Call-in Number: 9-1-954-1149 (inside Ford); 847-619-6158 (outside)

Core Team Participants

Black Belt Mark Freedland	Kavlico Mary Atkins Don Ayers	V-Engine Jim O'Neill Freeman Gates	Quality Office Mahmoud Awad Kurt Schieding	EBSE Sharon Allen Robert Rossi	Purchasing Joe Smythe Chris Nielsen
Team Leader Karen Owens		Chris Panaretos Paul Plante Carol Verner		ETSE Kou Arnold	

Meeting Agenda - 1/17/02

<u>Order of Agenda Items</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions	All	5 minutes
2. Agenda Review	All	5 minutes
3. Corrections to last meeting minutes	All	5 minutes
4. STA Issues and Kavlico Trip (1/22-1/25/02) Overview	Joe Smythe	30 minutes
5. Technical Offsite 1/31/02: Agenda and Facilities	Freeman Gates	30 minutes
6. Kavlico Update: Return parts analysis	Don Ayers	10 minutes
7. Engine Plant Issue: 1/7/02 sensor release procedure	Joe Johnson	5 minutes
8. Open Issues and Assignments timing due Friday 1/18 (for 1/22 agenda)	Paul Plante	5 minutes
9. Walk-in's	All	20 minutes
10. Next Meeting Agenda Items	All	5 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARBT

K. Owens/cp: 1/16/02
 Kavlico dPFE Sensor Core Team

Panaretos, Christine (C.M.)

From: Plante, Paul (P.G.)
Sent: Wednesday, January 16, 2002 10:32 AM
To: Panaretos, Christine (C.M.)
Cc: Owens, Karen (K.E.); Gates, Freeman (F.C.); Freeland, Mark (M.); Plante, Paul (P.G.)
Subject: DPFE Sensor Team Meeting Agenda 1/17/02 & 1/22/02

Chris please pass on to team, note presenters and get this to them especially. ~~Add Web address and phone conference call in number when available to "Meeting Logistics". Add * core team member adds/deletes from roster I sent 1/15 to "Core Team Participants".~~ Advise all that the overhead projector works and should be used to save paper, and for confidential documents that should not be copied.

Agenda Thursday 1/17/02:

- 1) Introductions (All-2 minutes)
- 2) Agenda Review (All-2 minutes)
- 3) Corrections to last meeting minutes (All-All 2 minutes)
- 4) STA issues and Kavlico trip (1/22 thru 1/25) overview (Joe Smythe-30 minutes)
- 5) Tech Offsite 1/31/02, Thursday agenda and facilities (Freeman-30 minutes)
- 6) Kavlico updates: Return parts analysis, other (Don Ayers-10 minutes)
- 7) Engine Plant issue: 1/7/02 sensor release procedure (Joe Johnson-5 minutes)
- 8) Open Issues/Assignments timing due Friday, 1/18 for 1/22 agenda (Paul Plante-1 minute)
- 9) Walk Ins (33 minutes)
- 10) Next meeting agenda items (All-5 minutes)

Total time 2 hours

ASSIGNMENT: All * CORE TEAM MEMBERS need to set estimated completion timing on their assigned open issues and supply to Chris Panaretos by Friday COB. Open Issues list will drive future meeting agendas.

Agenda Tuesday 1/22:

- A) J. Padilla review overview (F. Gates)
- B) Purchasing overview and issues (John Shore)
- C) Open Issues list Agenda Items (All-pick timely issues) -30-40 min
- D) SEM results at FRL (m. Freeland/Jon Hargas)
- E) Wiring harness noise concerns (Brian Perry/Sharon Altes)

Paul Plante

V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pillar D5
Tele. 313-84-54138; Fax 39-02513
Text Pager: 734-298-1905
E Mail: pplante@ford.com (CDS ID PPLANTE)

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Thursday, January 17, 2002 10:12 AM
To: Akina, Mary (M.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auller, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoska, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.G.); Blesi, Garry (G.); Bronni, Mark (M.J.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Hengas, Jon (.); Jahshan, John; Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerazi, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Owall, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Rossi, Roberto (R.A.); Schleding, Kurt (K.J.); Sebald, Lynn (L.A.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Verner, Carol (C.J.); White-johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: FW: Conference Call In Phone for TODAY DPFE Sensor Meeting

If you are planning on calling in to today's Kavlico dPFE Sensor meeting, please note the following. Please contact me if you have any questions.

Chris Panaretos

Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29265

—Original Message—

From: Plante, Paul (P.G.)
Sent: Thursday, January 17, 2002 10:07 AM
To: Panaretos, Christine (C.M.)
Cc: Plante, Paul (P.G.); Smythe, Joseph (J.M.); Akina, Mary (M.); Freeland, Mark (M.); clayers@kavlico.com
Subject: Conference Call In Phone for TODAY DPFE Sensor Meeting

Chris and Mary please pass this on to all team members NOW for today's meeting.

To tie into the conference call you must dial:
9-1-954-1149 (Inside Ford)
847-819-6159 (Outside Ford)

then give the passcode number: 6881436#

This will only work AFTER the host moderator at the meeting has already opened the conference call. If you do not get thru the first time, please try again.

Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pilar D5
Tele. 313-84-54138; Fax 39-02513
Text Pager: 734-296-1905
E Mail: pplante@ford.com (CDS ID PPLANTE)

Panaretos, Christine (C.M.)

From: Smythe, Joseph (J.M.)
Sent: Monday, January 14, 2002 1:08 PM
To: Panaretos, Christine (C.M.)
Subject: RE: Kavlico TM dPFE Sensor Meeting Agenda 1/15/02

Chris,

I will not be able to attend the meetings this week because I will be out of town. Also, next week I will be at Kavlico starting their Q1 assessment.

Joseph Smythe
Ford Motor Company
Powertrain STA Engineer
Parklane Towers East, Suite 500
One Parklane Boulevard, Dearborn, Michigan 48126
Work Phone: (313) 621-2895
Email: jsmythe1@ford.com

He will be calling us with Mary today from Winston Eggert

-----Original Message-----

From: Panaretos, Christine (C.M.)
Sent: Monday, January 14, 2002 11:40 AM
To: Koszowski, John (J.J.); Paschl, Frank (F.); Atkins, Mary (M.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auler, Jiro (J.E.); Awad, Mahmoud (M.A.); Ayers, Don; Bandoske, Pete (P.F.); Barnek, Catherine (C.K.); Barzadar, Les (L.C.); Bloor, Gerry (G.); Bronni, Mark (M.L.); Davies, Brady; Daeb, Joe (J.S.); Freeland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerasz, Karen (K.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Nielsen, Christian (C.A.); O'Neil, Jim (J.D.); Oswolt, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Tanashiro, Terry; Verner, Carol (C.J.); White-Johnson, Patricia (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Kavlico TM dPFE Sensor Meeting Agenda 1/15/02

Attached please find the agenda for the Kavlico dPFE Sensor team meeting, which will be held tomorrow, 1/15/02, from noon-2:00 p.m. in the DI-196 Conference Room. This is the "war room" located at the far south-end of the building.

if you have any questions, please do not hesitate to contact me.
<< File: Kavlico Meeting Format_011502.doc >>


Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax (313) 32-28265

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Monday, January 14, 2002 11:40 AM
To: Koszawnik, John (J.J.); Feadni, Frank (F.); Akina, Mary (M.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auiler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Dorc; Bandoska, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Bissi, Gerry (G.); Bronni, Mark (M.J.); Davies, Brady; Deeb, Joe (J.S.); Freeland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerezi, Karen (K.J.); Kunda, Olof (O.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Noleen, Christian (C.A.); O'Neal, Jim (J.D.); Oswak, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Perry, Brian (B.J.); Plants, Paul (P.G.); Popoff, Daniel (D.M.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Verner, Carol (C.J.); White-Johnson, Patricia (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Kavlico TM dPFE Sensor Meeting Agenda 1/16/02

Attached please find the agenda for the Kavlico dPFE Sensor team meeting, which will be held tomorrow, 1/16/02, from noon-2:00 p.m. in the D1-196 Conference Room. This is the "war room" located at the far south-end of the building.

If you have any questions, please do not hesitate to contact me.


Kavlico Meeting
Format_011602....

Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29265

Panaretos, Christine (C.M.)

Subject: Updated: Kavlico dPFE Sensor Core Team Meeting
Location: POEE DI188 (War Room in FMEI Dept.)

Start: Tue 1/15/02 12:00 PM
End: Tue 1/15/02 2:00 PM
Show Time As: Tentative

Recurrence: Weekly
Recurrence Pattern: every Tuesday from 1:00 PM to 2:30 PM

Meeting Status: Not yet responded

Required Attendees: Akins, Mary (M.); Altes, Sheran (S.A.); Amold, Kenneth (K.M.); Awad, Mahmoud (M.I.); Ayers, Don; Freeland, Mark (M.); Gates, Freeman (F.C.); O'Neal, Jim (J.D.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Rosal, Roberto (R.A.); Schleding, Kurt (K.J.); Smythe, Joseph (J.M.); Verner, Carol (C.J.)

Optional Attendees: Schleding, Kurt (K.J.); Akins, Mary (M.); Plante, Paul (P.G.); Verner, Carol (C.J.)

Importance: High

THE MEETING WILL START AT NOON TODAY.

These are the ongoing meetings for the Kavlico TM dPFE sensor. The Tuesday meetings will last 1.5 hours. We will have a teleconference with Kavlico and any other team members who are unable to attend but still want to participate. The telephone number to the conference room and passcode will be sent in another office.

created: 12/11/01
 revised: 1/14/02

2000-2002 Kavlico TM dPFE Sensor
 Attendance List

Meeting Date: 1/15/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Aldre	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	maldre@ford.com
		Abrecht	Gurthner	313-32-23163	Service Engineer	Ford	POEE	gabrecht@ford.com
*	RSB	Allee	Sharan	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVT6	sallee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Aufler	Jim	313-32-38763	Chief Engineer	Ford	POEE	jaufler@ford.com
*	MS	Awad	Mahmoud	313-24-83968	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayora	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayora@kavlico.com
		Bandoika	Pete	313-337-2781	Program Manager	Ford	DSCI	pbandoi@ford.com
		Bansak	Catherine	313-32-38101	FMEI CPMT Eng./AWERs concerns	Ford	POEE	cbansak2@ford.com
		Bersuder	Lee	313-84-50881	PCE Supervisor	Ford	TWCTDR	lbersud@ford.com
		Bisal	Garry	313-24-88280	ECL Supervisor	Ford	TWCTDR	gbisal@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-68003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72955	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
		Freeland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FPL	mfreela1@ford.com
		Freedl	Frank	313-32-30680	V-Engine Executive Engineer	Ford	POEE	ffreedl@ford.com
		Gates	Fryeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	frates@ford.com
		Giordano	Niko	313-32-20825	C&P Supervisor	Ford	VPC	ngiorda1@ford.com
		Jahshan	John	734-888-2758	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	johanson@ford.com
		Kapp	Don	313-38-78854	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerazi	Karan	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		Kozzownik	John	313-32-28873	Chief Engineer	Ford	POEE	lkozownik@ford.com
		Kunde	Olaf	313-20-88830	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29882	Leader	Ford	FPB4	gmasura@ford.com
		McCarty	BM	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com

E082-027-D 0488

created: 12/11/01
 revised: 1/14/02

2000-2002 Kevico™ dPFE Sensor
 Attendance List

Meeting Date: 1/15/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIALS	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Muter	Doreen	313-248-9391	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nielsen	Chris	734-28-9988	Service Buyer	Ford	FCSD	cnlsen4@ford.com
*	JS	O'Neill	Jim		FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
*	KS	Owens	Karen	313-84-55770	FMEI Supervisor	Ford	POEE	kowens@ford.com
*		Paraschos	Chris	313-24-89897	Proj. Mgt. Analyst	Project Solutions	POEE	cparasch@ford.com
		Park	Kyong	805-528-2000	VP Research and Dev't	Kevico	CA	kpark@kevico.com
		Pascany	Mike	313-24-84889	PT Electronics Engineer	Ford	POEE	bpascany@ford.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escort	Ford	POEE	bperry@ford.com
*	MM	Plante	Paul	313-84-54188	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88803	G&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
*	L	Rosel	Robert	313-84-51488	Writing CPS - EESE Leader	Ford	Bldg. #1	rrosel@ford.com
*	LS	Schlieding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschlied@ford.com
		Sabold	Lynn	313-24-84720	PT Electronics Engineer	Ford	POEE	lsabold@ford.com
	JS	Shore	John	734-28-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Snrythe	Joe	313-82-12906	STA Engineer (Leader)	Ford	PTE	jerrythe@ford.com
		Taneshiro	Terry	805-528-2000	Warranty Analysis	Kevico	CA	ttaneshiro@kevico.com
		Verner	Chrol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitej@ford.com
		Williamson	Rick	313-24-86348	ECT Prod. Con. Anal.	Ford	FCSD	rw110@ford.com
		Wilson	Cary	313-39-02852	Chief Engineer	Ford	AVTS	cwilson2@ford.com
	BM	McCarty	Bill	30044031	RECALL/PURCHASE	FORD	QMS	wmccart@ford.com
		BUSBY	BARRY		MANU CO			

2002-027-0 5A01



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: January 15, 2002
Time: Noon-2:00 p.m.
Location: POBB, DI-196 (FMEI War Room)
Called By: Karen Owens, Team Leader: (313) 84-55770
Next Meeting (s): January 17, 2002, 1-3:00 p.m., POBB DI-196
 January 22, 2002, 1-3:00 p.m., POBB DI-196

Core Team Participants

Black Belt	Kavlico	Y-Engine	Quality Office	EBSE	FTSE
Mark Proeland	Mary Atkins	Jim O'Neill	Mahmoud Awad	Sharon Alles	Ken Arnold
	Don Ayers	Freeman Gates	Kurt Schieding	Robert Ross	
Team Leader		Chris Pasaretos	Joe Smythe		
Karen Owens		Paul Plante			
		Carol Verner			

Meeting Agenda - 1/15/02

<u>Order of Agenda Items</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions	All	5 minutes
2. Agenda Review	All	5 minutes
3. Corrections to last meeting minutes	All	5 minutes
4. Reliability: 3 Worst Applications and "Best of the Best: 2002 MY 4.0L Explorer and Stalis"	Mahmoud Awad	20 minutes
5. Review Updates to 14D	Karen Owens	10 minutes
6. Update One-page Overview	Paul Plante	10 minutes
7. One-page Technical Paper	Freeman Gates	15 minutes
8. Kavlico Update	Mark Proeland	20 minutes
9. Walk-in's	All	10 minutes
10. Next Meeting Agenda Items	All	10 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to-CPANARET



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFB Sensor

Meeting Logistics

Subject: Kavlico TM dPFB Sensor Core Team
Date: January 10, 2002
Time: 1:00 - 3:00 p.m.
Location: POEE, DI-196 (FMEI War Room)
Called By: Karen Owens, Team Leader: (313) 84-55770
Next Meeting (s): January 15, 2002, 12:00-2:00 p.m., POEE DI-196 (War Room)
 January 17, 2002, 1-3:00 p.m., POEE DI-196

Core Team Participants

Black Belt	Kavlico	V-Engines	Quality Office	HESB	PTSE
Mark Freeland	Mary Atkins Don Ayers	Jim O'Neal Freeman Gates	Mahmoud Awad Kurt Schieding	Sharan Alles Robert Rossi	Kon Arnold
Team Leader		Chris Panaretos	Joe Smytho		
Karen Owens		Paul Plante Carol Verner			

Meeting Agenda - 1/10/02

<u>Order of Agenda Items</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Corrections to last meeting minutes	All	5 minutes
2. Kavlico field return parts analysis/branding	Mark Freeland, Mary Atkins	15 minutes
3. Clean Data/Part No. for Transient Voltage Spike Protection Sensor	Mary Atkins	10 minutes
4. "Best of the Best: 2002 MY 4.0L Explorer and Stalls	Mahmoud Awad	10 minutes
5. Technical Offsite Date (1/24/02 or 1/31/02)	All	10 minutes
6. Website Information	Dave Tyler, Karen Owens	5 minutes
7. John Koszowski Agenda review: 1/15/02, 12-2:00 pm., War Room	All	15 minutes
8. Walk Ins	All	15 minutes
9. Next Meeting Agenda Items	All	10 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET

K. Owens/cp: 1/11/02
 Kavlico dPFB Sensor Core Team

created: 12/11/01
 revised: 1/10/02

2000-2002 Kavlico TM dPFE Sensor
 Attendance List

Meeting Date: 1/10/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
*	SA	Ales	Sheran	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVTS	saales@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-32-88763	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-83869	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bandoska	Pete	313-337-2791	Program Manager	Ford	DSCII	pbandos@ford.com
		Bansek	Catherine	313-32-36101	FMEI CPMT Eng./WERs concerns	Ford	POEE	cbansek2@ford.com
		Bersuder	Lee	313-34-50881	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Biasi	Gery	313-24-88280	ECl Supervisor	Ford	TWCTDR	gbiasi@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbranni@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
*	MA	Freeland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
*	SA	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgiorda1@ford.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	johson@ford.com
		Kapp	Don	313-33-78584	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerezi	Karen	313-20-63387	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
		Kunde	Olef	313-20-85830	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29852	Leader	Ford	FPB4	gmasura@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com

EM82-827-D 5/04

created: 12/11/01
 revised: 1/10/02

2000-2002 Kavlico TM dPFE Sensor
 Attendance List

v 1/11
 Meeting Date: 1/10/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Muter	Doreen	313-248-8381	Recall Analyst	Ford	FCSD	dmuter@ford.com
	CP	Nielsen	Chris	734-26-88688	Service Buyer	Ford	FCSD	cnilsen4@ford.com
*	NO	O'Neill	Jim		FMEI Dept. Mgr.	Ford	POEE	jonaj@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
*		Owens	Karen	313-84-55770	FMEI Supervisor	Ford	POEE	kowens@ford.com
*		Paranetos	Chris	313-24-88337	Proj. Mgt. Analyst	Project Solutions	POEE	cparanet@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escapes	Ford	POEE	bperry@ford.com
*		Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88603	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
*		Rossel	Robert	313-84-51436	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrossel1@ford.com
*		Schleding	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschled@ford.com
		Shore	John	734-26-88789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Smythe	Joe	313-82-12985	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com
*		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitej@ford.com
		Williamson	Rick	313-24-88348	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com
		Wilson	Carv	313-39-02652	Chief Engineer	Ford	AVTS	carv@32@ford.com
	VP	Passany	Kee	313-242-468	PIT Electronics Engineer	Ford	POEE	kpassany@ford.com
		D. Cicco	LAMARA	313-390-360	VEE QUALITY SYSTEMS	FORD	POEE	tdcicco@ford.com
		JOHANSON	JOHN	734-666-2759	APL ENG.	PCSE	POEE	JOHANSON@kavlico.com
		PERRY	Brian	313 390 4170	PIT electronic applications	FORD PCSE	POEE	bperry@ford.com
		SEBOLD	LARRY	313 248 9720		FORD PCSE		lsebold@ford.com

Kavlico dPFE Attendance.xls

DOUGLASS JIM 313-337-2655 Valtech Page 2 of 2, Environmental Eng'g, FORD
 (PAT) BAREN (248) 263-8754 KAVILCO KAVILCO Corp.
 FBAP Paranetos Project Solutions, LLC
 3D DIGITAL FORD, LAMAR
 blougaj@kavlico.com

ENG-427-D 0495

2000-2002 Kavlico dPFE Sensor
Attendance List

K-OR

Kavlico dPFE Sensor Team Roster							
* Denotes Core Team Member							
CORE TEAM	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	Akins	Mary	313-24-81889	On-Site Rep.	Kavlico	POEE	makins@ford.com
	Albracht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
	Alles	Sheran	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVT6	salles@ford.com
	Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
	Auller	Jim	313-32-38763	Chief Engineer	Ford	POEE	jauller@ford.com
*	Awad	Mahmoud	313-24-83868	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
	Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
	Balint	Gary	313-33-72790		Ford	DSCI	gbalint@ford.com
	Bansek	Catherine	313-32-38101	FMEI CPMT Eng./WERS concerns	Ford	POEE	cbansek2@ford.com
	Bersuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
	Bisai	Gerry	313-24-86280	ECI Supervisor	Ford	TWCTDR	gbisai@ford.com
	Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
	Freedland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FRL	mfree1@ford.com
	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
	Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgiorda1@ford.com
	Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
	Kapp	Dan	313-35-76554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
	Kerezi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
	Kunde	Olaf	313-20-65830	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
	Masura	Gordon	313-32-29682	Leader	Ford	FPB4	gmasura@ford.com
	McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
	Muter	Doreen	313-248-8381	Recall Analyst	Ford	FCSD	dmuter@ford.com
	Nielson	Chris	734-28-59888	Service Buyer	Ford	FCSD	cnielson4@ford.com
	O'Neill	Jim		FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com
	Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
	Owens	Karen	313-84-55770	FMEI Supervisor	Ford	POEE	kowens@ford.com

created: 11/01
 revised: 1/10/02

2000-2002 Kavlico Tm dPFE Sensor
 Attendance List

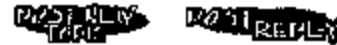
ARTER ICE
 Meeting Date: 1/10/02

Kavlico dPFE Sensor Team Roster		
* Denotes Core Team Member		
CORE TEAM	LAST NAME	FIRST NAME
*	Akns	Mary
	Albracht	Gunther
*	Alles	Sheran
	Arnold	Ken
	Aulier	Jim
*	Awad	Mahmoud
*	Ayars	Don
	Balint	Gary
	Bansek	Catherine
	Barsuder	Lee
	Bissi	Gerry
	Bronni	Mark
	Davies	Brady
*	Freeland	Mark
*	Gates	Freeman
	Giordano	Mike
	Johnson	Joe
	Kapp	Dan
	Kerezi	Karen
	Kunde	Olat
	Masura	Gordon
	McCarty	Bill
	Muter	Doreen
	Nielsen	Chris
*	O'Neali	Jim
	Oswalt	Greg
*	Owens	Karen

EN02-027-D 5487



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Author **Topic:** VEE Default WSL Security

Mike Barone posted June 22, 2000 07:59 AM

Moderator VEE uses the following codes as a default set of access information. We will include some details about this in the next VEE WSO meeting.

We allow these employee types to view the V Engine Engineering web site data by default.

- | | |
|-------------------------------------|----------------------------------|
| Visteon | Ford (current) |
| V - Visteon full time (fed from HR) | F - Ford full time (fed from HR) |
| T - Visteon part time | P - Ford part time (fed from HR) |
| X - Visteon full time (non HR) | N - Ford full time (not fed HR) |
| Y - Visteon agency | A - Agency employee |
| B - Visteon Production supplier | S - Production supplier |
| Z - Visteon wholly owned subsidiary | W - Ford wholly owned subsidiary |

The security file looks like this:

`security="6:V|6:T|6:X|6:Y|6:B|6:Z|6:F|6:P|6:N|6:A|6:S|6:W"`

Regards,
Mike Barone
V Engine Engineering, Quality Systems
Program Coordinator - Web Applications
Phone: 313-39-04086 FAX: 313-39-03684
Email: mbarone@ford.com

[This message has been edited by Mike Barone (edited June 27, 2000):

IP: 19.3.28.168

All times are ET

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Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Thursday, January 10, 2002 10:55 AM
To: Aloia, Mary (M.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auiler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Balint, Gary (G.S.); Bansek, Catherine (C.K.); Barsuder, Lee (L.C.); Bissel, Gerry (G.); Bronni, Mark (M.J.); Davies, Brady; Deeb, Joe (J.S.); Freeland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerezi, Karan (K.J.); Kunde, Olef (O.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Parry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Rosel, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Verner, Carol (C.J.); White-johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Meeting Agenda for 1/10/02 Kavlico TM dPF8 Sensor

Attached please find the meeting agenda for today's meeting. If you have any questions, please do not hesitate to contact me.



Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
913) 24-89337
xc (313) 32-28265



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: January 10, 2002
Time: 1:00 - 3:00 p.m.
Location: POEB, DI-196 (FMRI War Room)
Called By: Karen Owens, Team Leader: (313) 84-55770
Next Meeting (s): January 15, 2002, 12:00-2:00 p.m., POEB DI-196 (War Room)
 January 17, 2002, 1-3:00 p.m., POEB DI-196

Core Team Participants

Black Belt Mark Freeland	Kavlico Mary Akina Don Ayers	V-Engine Jim O'Neall Freeman Gates Chris Panaretos Paul Plante Carol Verner	Quality Office Mahmoud Awad Kurt Schieding Joe Smytho	BESE Sheran Alles Robert Rossi	PLSB Ken Arnold
Team Leader Karen Owens					

Meeting Agenda - 1/10/02

<u>Order of Agenda Items</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Corrections to last meeting minutes	All	5 minutes
2. Kavlico field return parts analysis/binning	Mark Freeland, Mary Akina	15 minutes
3. Clean Date/Part No. for Transient Voltage Spike Protection Sensor	Mary Akina	10 minutes
4. "Best of the Best: 2002 MY 4.0L Explorer and Stalls	Mahmoud Awad	10 minutes
5. Technical Offsets Data (1/24/02 or 1/31/02)	All	10 minutes
6. Website Information	Dave Tyler, Karen Owens	5 minutes
7. John Koszewnik Agenda review: 1/15/02, 12-2:00 pm, War Room	All	15 minutes
8. Walk Ins	All	15 minutes
9. Next Meeting Agenda Items	All	10 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET

K. Owens/cp: 1/10/02
 Kavlico dPFE Sensor Core Team

ERR2-877-0 5411

4/8/02 10:15

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Wednesday, January 09, 2002 3:21 PM
To: Akins, Mary (M.); Albrecht, Guenther (G.K.); Alles, Sheran (S.A.); Amick, Kenneth (K.M.); Auller, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Belmont, Gary (G.S.); Bensek, Catherine (C.K.); Berauder, Lee (L.C.); Blas, Gary (G.); Bronni, Mark (M.J.); Davies, Brady; Deeb, Joe (J.S.); Freeland, Mark (M.); Getts, Freeman (F.C.); Giordano, Mike (M.A.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerezi, Karen (K.J.); Kunde, Olaf (O.); Meaura, Gordon (G.P.); McCarty, Bill (W.D.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Oswalt, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Parry, Brian (B.J.); Plants, Paul (P.G.); Popoff, Daniel (D.M.); Rossal, Roberto (R.A.); Schleding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Tameshiro, Terry; Vemar, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Gary (C.A.)
Cc: jahshan@viateon.com; tbugaj@kavlico.com; Williams, Lee (LHW.)
Subject: Meeting Minutes from 1/8/02 Kavlico dPFE Sensor

Attached please find the meeting minutes from Tuesday's Kavlico dPFE Sensor. If you have any questions, please feel free to contact me.



Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29265

created: 12/11/01
revised: 1/8/02

2000-2002 Kavilco TM dPFE Sensor
Attendance List

Meeting Date: 1/8/02

Please:								
- Initial the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
Initial for attendance	CORE TEAM	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
MA	*	Akins	Mary	313-24-81989	On-Site Rep.	Kavilco	POEE	makins@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
SH	*	Alles	Sheran	313-59-40559	EESE - AVT Wiring Specialist	Ford	AVT5	salles@ford.com
		Aulter	Jim	313-32-38783	Chief Engineer	Ford	POEE	jaulter@ford.com
	*	Awad	Mahmoud	313-24-89889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
	*	Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavilco	CA	dayers@kavilco.com
		Balint	Gary	313-33-72790		Ford	DSCII	gbalint@ford.com
		Banshek	Catherine	313-32-38101	FMEI CPMT Eng./WERs concerns	Ford	POEE	cbanshek2@ford.com
		Bersuder	Lee	313-84-50581	FOE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Bispl	Garry	313-24-88280	ECI Supervisor	Ford	TWCTDR	gbispl@ford.com
		Bronni	Mark	313-24-84508	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Daviss	Brady	805-523-2000	Director MEMS Technology	Kavilco	CA	bdaviss@kavilco.com
	*	Freeland	Mark	313-59-47845	8-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
	*	Gatse	Freeman	313-32-24807	FMEI Tech Spec/Technical Lead	Ford	POEE	fgatse@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	johanson@ford.com
		Kapp	Dan	313-33-76564	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		Kunde	Olaf	313-20-85930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29862	Leader	Ford	FPB4	gmasura@ford.com
		McCarty	Bill	313-58-41081	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-9391	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nilsen	Chris	734-28-89886	Service Buyer	Ford	FCSD	cnilsen4@ford.com
	*	O'Neill	Jim		FMEI Dept. Mgr.	Ford	POEE	joneall@ford.com
		Oswalt	Greg	313-33-01180	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com

created: 12/11/01
revised: 1/8/02

2000-2002 Kavlico TM dPFE Sensor
Attendance List

Meeting Date: 1/8/02

Please:								
- Initial the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
Initial for attendance	CORE TEAM	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
<input checked="" type="checkbox"/>	*	Owens	Karen	313-84-55770	FMEI Supervisor	Ford	POEE	kowens@ford.com
<input checked="" type="checkbox"/>	*	Panaretos	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
<input checked="" type="checkbox"/>	*	Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
<input checked="" type="checkbox"/>		Popoff	Den	313-24-88603	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
<input checked="" type="checkbox"/>	*	Rossi	Robert	313-84-51486	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrossi@ford.com
	*	Schieding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschiedi@ford.com
<input checked="" type="checkbox"/>	*	Shore	John	784-28-68789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
<input checked="" type="checkbox"/>	*	Smythe	Joe	313-82-12995	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com
<input checked="" type="checkbox"/>		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitej@ford.com
		Williamson	Rick	313-24-88348	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com
		Wilson	Cery	313-39-02862	Chief Engineer	Ford	AVTS	cwilson32@ford.com
<input checked="" type="checkbox"/>		TAMASHIRO	JOHN	734-466-2759	APP. ENG.	FORD	POEE	JTAMASHIRO@UNIFEDH.COM
<input checked="" type="checkbox"/>		Arnold	Ken	313-24-84178	PEAD Supervisor	Ford	POEE	KARNOLD@FORD.COM
		PERIN	Brian	313-24-1110	PEAD SUPV	Ford	POEE	bperin@ford.com
		DAB	JOSEPH	313-845-6003	PEAD SUPV	Ford	POEE	J.DAB@FORD.COM
		BUGAJ	Barry	(248)263-8475	Kavlico Corp.	Kavlico		bbugaj@kavlico.com
		Williams	Les	313-337-2503	JUL 16 Duratec Calibration	FORD	TEE	Lwilli73@Ford.com

5002-027-D 04/14

Panaretos, Christine (C.M.)

Subject: Kavlico dPFE Sensor Team Meeting
Location: POEE D1188 (War Room in FMEI Dept.)
Start: Tue 1/8/02 1:30 PM
End: Tue 1/8/02 2:00 PM
Show Time As: Tentative
Recurrence: (none)
Meeting Status: Not yet responded
Required Attendees: Williams, Lee (L.H.W.); Dalbo, Bob (R.J.)
Optional Attendees: Plants, Paul (P.G.)

You are on the agenda for the above meeting to present your issue on Escape/Tribute stalls (from the CCRG). Please notify me 24 hours in advance if you cannot make it.

Panaretos, Christine (C.M.)

From: Plants, Paul (P.G.)
Sent: Tuesday, December 18, 2001 4:30 PM
To: Williams, Les (LHW.); Dalbo, Bob (R.J.); Panaretos, Christine (C.M.)
Cc: Freeland, Mark (M.); Gates, Freeman (F.G.)
Subject: RE: Kavlico dPFE Sensor Issue

Les/Bob, thanks.

Chris please send meeting notice to Les and Bob. Make this 1/2 hour starting at 1:30PM, 1/8/02.

-----Original Message-----
From: Williams, Les (LHW.)
Sent: Tuesday, December 18, 2001 4:11 PM
To: Plants, Paul (P.G.)
Cc: Dalbo, Bob (R.J.); Fournelle, Gilbert (G.)
Subject: RE: Kavlico dPFE Sensor Issue

Hello Paul:

Would be glad to attend the week of the 7th. I'll see you on Jan 8th with the previous documents you mentioned. I'll be 15-20 minutes late b/c I conduct a U204 Stalls teleconference from 12-1 every Tuesday and 10-11 every Thursday at TEE.

Pls send a meeting notice.

-----Original Message-----
From: Dalbo, Bob (R.J.)
Sent: Tuesday, December 18, 2001 4:06 PM
To: Williams, Les (LHW.)
Cc: Plants, Paul (P.G.)
Subject: RE: Kavlico dPFE Sensor Issue

Les,
Please make arrangements with Paul to bring our stuff to his meeting.

Bob Dalbo

S.O.L. Calibration Supervisor
Outfitters Calibration, North American Truck
Phone: (313)24-84947 Fax: (313)32-31788
Pager: (313)795-2859 E-mail: rdalbo@ford.com

-----Original Message-----
From: Plants, Paul (P.G.)
Sent: Tuesday, December 18, 2001 3:41 PM
To: Dalbo, Bob (R.J.)
Cc: Plants, Paul (P.G.)
Subject: Kavlico dPFE Sensor Issue

Bob, I need you to attend a team meeting to compare info with your issue on Escape/Tribute stalls (from the OCRG). We meet every Tuesday and Thursday from 1:00-3:00 PM. What would be a good day for you early in January (week of 1/7/02 preferred). Bring your closure paper, and also fishbone, brainstorming, Is-Is Not etc. We will be doing all the same type things, maybe we can just copy yours.

Paul Plants
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pillar D5

created: 12/11/01
revised: 1/3/02

2000-2002 Kavilco TM dPFE Sensor
Attendance List

Meeting Date: 1/3/02

Please:								
- Initial the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
Initial for attendance	CORE TEAM	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
MA	*	Akne	Mary	313-24-81889	On-Site Rep.	Kavilco	POEE	makne@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
		Auller	Jim	313-32-38783	Chief Engineer	Ford	POEE	jauller@ford.com
	*	Awad	Mahmoud	313-24-83869	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
	*	Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavilco	CA	dayers@kavilco.com
		Ballint	Gary	313-33-72790		Ford	DSCI	gballint@ford.com
		Bansak	Catherine	313-32-38101	FMEI CPMT Eng./WERs concerns	Ford	POEE	cbansak2@ford.com
		Bansudar	Lee	313-84-60881	RQE Supervisor	Ford	TWCTDR	lbansuda@ford.com
		Bliss	Garry	313-24-88280	ECI Supervisor	Ford	TWCTDR	gbliss@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavilco	CA	bdavies@kavilco.com
	*	Freeland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
	*	Gatsee	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgatsee@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kapp	Dan	313-33-76554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerez	Karen	313-20-83987	FMEI AWS Analyst	Ford	POEE	kkerez@ford.com
		Kunda	Oisf	313-20-85990	PT Focus Program Mgr.	Ford	VPC	okunda1@ford.com
		Masura	Gordon	313-32-28682	Leader	Ford	FPB4	omasura@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-9391	Financial Analyst	Ford	FCSD	dmuter@ford.com
		Nielsen	Chris	734-26-88806	Service Buyer	Ford	FCSD	cnlielsen4@ford.com
JAD		O'Neill	Jim		FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com
		Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
	*	Owens	Karan	313-84-55770	FMEI Supervisor	Ford	POEE	kowens@ford.com

Created: 12/11/01
 revised: 1/3/02

2000-2002 Kavlico TM dPFE Sensor
 Attendance List

Meeting Date: 1/3/02

Please:								
- Initial the box to the left of your name to indicate your attendance.								
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* Denotes Core Team Member								
Initial for attendance	CORE TEAM	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
CP	*	Panaretos	Chris	313-24-88337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
PM	*	Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88803	C&P Quality Eng (Leader)	Ford	VPG	dpopoff@ford.com
RR		Rossel	Roberto	313-84-51438	Wiring CPS	Ford	Bldg. #1	rrossel@ford.com
	*	Schleding	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschled@ford.com
		Shore	John	734-26-69789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Smythe	Joe	313-62-12995	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com
		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-39-04408	STA Site Manager	Ford	AVTS	pwhite@ford.com
		Williamson	Rick	313-24-88348	ECI Prod. Con. Anal.	Ford	FCSD	rwill110@ford.com
		Wilson	Cary	313-39-02852	Chief Engineer	Ford	AVTS	cwilson32@ford.com
		BUGHAJ	BARRY	(248)263-8754	KAVlico	KAVlico		bbvija@kavlico.com

ENG-027-D 5418

Kavlico TM dPFE Sensor
14D Core Team Meeting
Tuesday, December 18, 2001
Time: 1-3:00 p.m.
Conf. Room: POEE, CF087

Agenda

1. Finalize Technical Interfaces with Kavlico.....Mary Akins
2. Review Warranty / Stack Chart.....Mahmoud Awad
3. Review Open Issues and Action Items.....All
4. Walk-ins / Additional Issues..... All

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Monday, December 17, 2001 3:52 PM
To: Akine, Mary (M.); Awad, Mahmoud (M.I.); Ayars, Don; Freeland, Mark (M.); Gates, Freeman (F.C.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Plante, Paul (P.G.); Schieding, Kurt (K.J.); Smythe, Joseph (J.M.); Verner, Carol (C.J.)
Subject: Kavlico dPFE Sensor Agenda and Updated Team Roster

Agenda for tomorrow's meeting (1-3:00, CF087):

1. Finalize technical interfaces with Kavlico....Mary Akine
2. Review Warranty/Stack Chart.....Mahmoud Awad
3. Review open issues and action items.....All
4. Walk-in/Additional issues.....All

Here is the updated team roster. If you have any questions, or changes, please let me know by noon tomorrow.



Kavlico dPFE Team
Roster.xls

Chris Panaretos

Project Manager, Project Solutions, LLC.

Ford POEE, Components "B"

(113) 24-89337

Fax: (313) 32-29265

created: 12/11/01
 revised: 12/17/01

2000-2002 Kavlico TM dPFE Sensor
 Attendance List

Meeting Date: 12/18/01

Please:								
- Initial the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
Initial for attendance	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
MA	*Akins	Mary	313-24-81889	On-Site Rep.	Kavlico	POEE	makins@ford.com	313-39-0-4084
	Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrecht@ford.com	313-621-4367
	Auler	Jim	313-32-38763	Chief Engineer	Ford	POEE	jauler@ford.com	
MA	*Awad	Mahmoud	294-58-23676	Reliability Engineer/ Field Data Leader	Ford	AWNPC	mawad@ford.com	313-39-0-2315
	*Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com	805-523-8475
	Balfnt	Gary	313-33-72790		Ford	DSCII	gbalfnt@ford.com	
	Bansek	Catherine	313-32-38101	FMEI CPMT Eng./WEIRs concerns	Ford	POEE	cbansek2@ford.com	313-39-0-4084
	Bersuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com	
	Bisal	Garry	313-24-88280	ECl Supervisor	Ford	TWCTDR	gbisal@ford.com	
	Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com	313-39-0-4084
	Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com	805-523-7125
MA	*Freeland	Mark	313-59-47045	6-Sigma Black Belt	Ford	FRL	mfreel1@ford.com	313-621-0348
	*Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com	313-39-0-4084
	Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgiordano1@ford.com	
	Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com	313-39-0-4084
	Kapp	Dan	313-33-78554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com	
	Kerezl	Karen	313-20-63387	FMEI AWS Analyst	Ford	POEE	kkerezl@ford.com	313-645-3188
	Kunde	Claf	313-20-85930	PT Focus Program Mgr.	Ford	VPC	ckunde1@ford.com	313-248-9528
	Maesura	Gordon	313-32-29862	Leader	Ford	FPB4	gmaesura@ford.com	
	McCarthy	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-594-4875
	Nelson	Chris	734-26-89886	Service Buyer	Ford	PCSD	cnleee4@ford.com	
	O'Neill	Jim		FMEI Dept. Mgr.	Ford	POEE	jooneil@ford.com	313-39-0-4084
	Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	PCSD	gswalt@ford.com	313-594-7470
	*Owens	Karen	313-84-55770	FMEI Supervisor	Ford	POEE	kowens@ford.com	313-845-8770
MA	*Panaretos	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com	313-322-8285
	Park	Kyong	805-523-2000	VP Research and Devt	Kavlico	CA	kpark@kavlico.com	805-523-7125

EPAC-827-0 BA21

created: 12/11/01
 revised: 12/17/01

2000-2002 Kavlico TM dPFE Sensor
 Attendance List

Meeting Date: 12/18/01

Please:								
- Initial the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denote Core Team Member								
Initial for attendance	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
<input checked="" type="checkbox"/>	Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	polante@ford.com	
<input type="checkbox"/>	Popoff	Dan	313-24-88603	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com	
<input type="checkbox"/>	Rosa	Roberto	313-84-51436	Wiring CPS	Ford	Bldg. #1	rossr1@ford.com	
<input type="checkbox"/>	*Schlading	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschladi@ford.com	313-39-0-2314
<input type="checkbox"/>	Shore	John	734-26-69789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com	734-266-1166
<input type="checkbox"/>	*Smythe	Joe	313-62-12895	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com	313-337-2804
<input type="checkbox"/>	Tamashiro	Terry	805-623-2000	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.co	805-623-7125
<input checked="" type="checkbox"/>	*Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com	313-39-0-4084
<input type="checkbox"/>	White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitejo@ford.com	313-339-2804
<input type="checkbox"/>	Williamson	Rick	313-24-88348	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com	
<input type="checkbox"/>	Wilson	Cary	313-39-02852	Chief Engineer	Ford	AVTS	cwilson32@ford.com	
<input type="checkbox"/>								
<input type="checkbox"/>								
<input type="checkbox"/>								
<input type="checkbox"/>								

EP92-027-D 3422

created: 12/11/01

**2000-2002 Kavlico TM dPFE Sensor
Team Roster by Organization/Department**

Revision Date: 12/17/01

Kavlico TM dPFE Sensor								
Team Roster								
* Denotes Core Team Member								
LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
*Gates	Freeman	313-32-24607	V-Engine	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com	313-39-0-4084
*Owens	Karen	313-84-55770	V-Engine	FMEI Supervisor	Ford	POEE	kowens@ford.com	313-845-5770
*Panaretos	Chris	313-24-89337	V-Engine	Proj. Mgt. Analyst	Proj. Solution	POEE	cpanaret@ford.com	313-322-9265
*Pianta	Paul	313-84-54198	V-Engine	Campaign Manager	Ford	POEE	ppianta@ford.com	
*Verner	Carol	313-39-07190	V-Engine	FMEI Engineer	Ford	POEE	overner@ford.com	313-39-0-4084
Albrecht	Günther	313-32-23153	V-Engine	Service Engineer	Ford	POEE	galbrech@ford.com	313-821-4367
Baneak	Catherine	313-32-38101	V-Engine	FMEI CPMT Eng./WEs concerns	Ford	POEE	cbaneak2@ford.com	313-39-0-4084
Johnson	Joe	313-84-58282	V-Engine	FMEI Section Supr.	Ford	POEE	johanson@ford.com	313-39-0-4084
Kerazi	Karen	313-20-83387	V-Engine	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com	313-845-3169
O'Neill	Jim		V-Engine	FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com	313-39-0-4084
*Awad	Mahmoud	734-58-25815	Quality Office	Reliability Engineer/ Field Data Leader	Ford	ATNPC	mawad@ford.com	313-39-0-2915
*Schieding	Kurt	313-32-25448	Quality Office	Reliability Supervisor	Ford	POEE	kschiedl@ford.com	313-39-0-2314
*Smythe	Joe	313-82-12995	Purchasing	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com	313-337-2804
McCarty	Bill	313-59-41031	Purchasing	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-594-4876
Nielsen	Chris	734-28-68686	Purchasing	Service Buyer	Ford	FCSD	cnilsen4@ford.com	
White-Johnson	Patrice	313-39-04409	Purchasing	STA Site Manager	Ford	AVTS	pwhitej@ford.com	313-339-2804
Aulier	Jim	313-32-38763	PTSE	Chief Engineer	Ford	POEE	jaulier@ford.com	
Kapp	Don	313-33-78554	PTSE	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com	
Bronni	Mark	313-24-84509	Motorola	On-Site Rep.	Motorola	POEE	mbronni@ford.com	313-39-0-4084
*Akins	Mary	313-24-81989	Kavlico	On-Site Rep.	Kavlico	POEE	makins@ford.com	313-39-0-4084
*Ayers	Don	805-523-2000	Kavlico	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com	805-523-8475
Davies	Brady	805-523-2000	Kavlico	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com	805-523-7125
Park	Kyong	805-523-2000	Kavlico	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com	805-523-7125
Tamashiro	Terry	805-523-2000	Kavlico	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com	805-523-7125
*Freeland	Mark	313-59-47845	FRL	8-Sigma Black Belt	Ford	FRL	mfreela1@ford.com	313-821-0345
Giordano	Mike	313-32-20925	Focus	C&P Supervisor	Ford	VPC	mgior1@ford.com	
Kunde	Claf	313-20-85990	Focus	PT Focus Program Mgr.	Ford	VPC	ckunde1@ford.com	313-248-2526
Popoff	Dan	313-24-88603	Focus	C&P Quality Eng. (Leader)	Ford	VPC	dpopoff@ford.com	

Revised: 12/11/01

2000-2002 Kavlico TM dPFE Sensor
Team Roster by Organization/Department

Revision Date: 12/17/01

Kavlico TM dPFE Sensor								
Team Roster								
* Denotes Core Team Member								
LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
Balint	Gary	313-33-72790	FCSD	Recall Program Manager	Ford	DSCII	gbalint@ford.com	
Berauda	Lee	313-84-50881	FCSD	FQE Supervisor	Ford	TWCTDR	lberauda@ford.com	
Blest	Gary	313-24-86280	FCSD	ECl Supervisor	Ford	TWCTDR	gblest@ford.com	
Shore	John	734-26-69789	FCSD	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com	734-266-1186
Williamson	Rick	313-84-86348	FCSD	ECl Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com	
Misura	Gordon	313-32-29662	EPRC	Leader	Ford	FPB4	gmisura@ford.com	
Cowalt	Greg	313-39-01180	EPRC	Critical Con. Mgr.	Ford	FCSD	gcowalt@ford.com	313-594-7470
Ross	Roberto	313-84-51486	EESE	Wiring CPS	Ford	Bldg. #1	rossr1@ford.com	
Wilson	Cary	313-39-02662	EESE	Chief Engineer	Ford	AVTS	cwilson32@ford.com	

DPO2-027-D 0424

Panaretos, Christine (C.M.)

Subject: Kavlico TM-dPFE Working Group Meeting
Location: Facilities C7F: DB089 (Same room as today)

Start: Tue 12/11/01 9:00 AM
End: Tue 12/11/01 12:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Panaretos, Christine (C.M.); Pfantz, Paul (P.G.); Akins, Mary (M.); Owens, Karen (K.E.)
Optional Attendees: Schleding, Kurt (K.J.); Awad, Mahmoud (M.L); Freeland, Mark (M.)

Agenda,

Follow through on assignments from the 12/10/01 review.

These are the files of the package given to John Koe & Frank Fedani at today's review. (With the exception of the roster list. I updated it to reflect department names)


14 0 Open Files
list.xls


14 0 Email.doc


140 Kavlico budget
roster.xls

created: 12/11/01
revised: 12/11/01

2000-2002 Kavlico TM dPFE Sensor
Roster

12/11/01

Please:

- Initial the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

Initial for attendance	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
MA	Akins	Mary	313-248-1989	Kavlico Rep.	Kavlico	POEE	makins@ford.com	313-390-4084
	Albrecht	Guntner	313-322-3153	V-Engine Svc. Eng.	Ford		galbrech@ford.com	313-621-4367
	Awad	Mahmoud	734-582-5815	Reliability Engineer	Ford		mawad@ford.com	313-390-2315
	Baneek	Catherine	313-323-8101	FMEI CPMT Eng.	Ford	POEE	cbaneek2@ford.com	313-390-4084
	Bronni	Mark	313-248-4509	Motorola Rep.	Motorola	POEE	mbronni@ford.com	313-390-4084
	Ehsani	Lawdan	313-594-4861	6-Sigma Black Belt	Ford	POEE	lehsani@ford.com	313-390-2513
	Freeland	Mark	313-594-7845	6-Sigma Black Belt	Ford	FRL	mfreel1@ford.com	313-621-0348
JK	Gates	Froeman	313-322-4807	FMEI Tech Spec.	Ford	POEE	fgates@ford.com	313-390-4084
	Johnson	Joe	313-845-8282	FMEI Section Supv.	Ford	POEE	johneon@ford.com	313-390-4084
MK	Kaminaki	Marc	313-337-9577	6-Sigma Black Belt	Ford	POEE	mikaminaki@ford.com	313-390-4084
	Kerezzi	Karen	313-206-3387	FMEI AWS Analyst	Ford	POEE	kkerezzi@ford.com	313-845-3189
	Koestermeier	Kan	313-322-6889	FMEI Dept. Mgr.	Ford	POEE	kkoster@ford.com	313-390-4084
	Kunde	Claf	44-1268-405968-206-8930	Focus Program Mgr.	Ford		ckunde1@ford.com	268-405618-248
	McCarty	Bill	313-594-1031	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-594-4875
	Nelson	Chita	734-286-9686	Service Buyer	Ford	FCSD	cnelson4@ford.com	
	Oswalt	Greg	313-390-1180	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com	313-594-7470
	Owens	Karen	313-845-5770	FMEI Supervisor	Ford	POEE	kowens@ford.com	313-845-5770
	Panaretos	Chris	313-24-9337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com	313-322-9285
	Planke	Paul	313-84-54198	Campaign Manager	Ford	POEE	pplanke@ford.com	
KS	Schleding	Kurt	313-322-5449	Reliability Supervisor	Ford	POEE	kschled1@ford.com	313-390-2314
	Shore	John	734-286-8789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com	734-286-1188
	Smythe	Joe	313-621-2995	STA Engineer	Ford		jsmythe@ford.com	313-397-2804
	Verner	Carol	313-390-7180	FMEI Engineer	Ford	POEE	cverner@ford.com	313-390-4084
	White-Johnson	Patrice	313-390-4409	STA Site Manager	Ford		pwj10@ford.com	313-339-2804
	Williamson	Rick	313-248-8348	ECI Prod. Con. Anal.	Ford	FCSD	rwill10@ford.com	



Kavlico TM dPFE Sensor

Action Items Mtg.-Bill McCarty

Issues Resolution Mtg.-Paul Plante



Kavlico TM dPFE Sensor

**Issues Tracking Documents,
Correspondence**

Bill McLarry
Mon/Thurs 4:5:00
Call in mtg

inside 9-1-954-1195

outside - 866-406-3572

password - 7174497 #

hostcode 3126497

July 8 - Amy
out. Bill took
notes

July 11 - no
mtg. no Bill
Mary, Star,
Patrice, Shu
Amy.

June 6 cancelled

June 10 cancelled

next mtg 6/13

~~June 17~~

June 20 mtg cancelled

Had Stu, Don

June 24 need deck
from Bill.

no-Freeman Hates vac
Joe Johnson - mtg
Fall Melantz - ?

Poma, Amy (A.)

From: Poma, Amy (A.)
sent: Tuesday, August 06, 2002 9:44 AM
to: Akins, Mary (M.); Ayers, Don; beason, G.; costelnes, j.; Gates, Freeman (F.C.); Gillespie, S.; Johnson, Joe (J.H.); Maurer, James (J.B.); McCarty, Bill (W.D.); O'Neill, Jim (J.D.); Poma, Amy (A.); Reddy, Srikanth
Subject: August 5 Issue Deck updates

Team-

Attached are the updates from yesterday's meeting.



E:\eng\act\UPDATED
ACTION ITEMS_X...

Reminder, we will now meet only once a week on Mondays. Our next meeting is scheduled for Monday, August 12, 2002-4:00 p.m. EST.

*Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CO162
phone-313-390-8849, fax: 313-390-4084
poma2@ford.com*

ENG2-027-D 5434

B. McCarty

Call In #'s

inside - 9-1-954-1195 - outside 866-406-3572

password - 7174497 #

host code - 3126497

Poma, Amy (A.)

From: Poma, Amy (A.)
Sent: Thursday, August 29, 2002 3:08 PM
To: Akins, Mary (M.); Ayers, Don; Beason, G.; Costelnes, J.; Gates, Freeman (F.C.); Gillespie, S.; Johnson, Joe (J.H.); Maurer, James (J.B.); McCarty, Bill (W.D.); O'Neill, Jim (J.D.); Poma, Amy (A.); Reddy, Srikanth
Subject: August 27 Deck Updates

Team-

Attached is the updated deck from yesterday's meeting. I believe we will no longer be having this meeting, but I am waiting for formal word from Bill McCarty. I will forward you that info as soon as received. Thanks.



27_August10000000
MOVING FROM...

*Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CO162
phone-313-390-8849, fax: 313-390-4084
apoma2@ford.com*

Poma, Amy (A.)

From: Poma, Amy (A.)
Sent: Monday, August 12, 2002 4:03 PM
To: Akns, Mary (M.); Ayers, Don; beason, G.; costelnes, j.; Gates, Freeman (F.C.); Gillespie, S.; Johnson, Joe (J.H.); Maurer, James (J.B.); McCarty, Bill (W.D.); O'Neill, Jim (J.D.); Poma, Amy (A.); Reddy, Srikanth
Subject: today's Call in meeting cancelled

Team-

Sorry for the late notice, I was just now advised there will be no 4:00 call in meeting today. Purchasing is out this afternoon as well as conflicts with other members schedules. We will resume on Monday August 19th.

Please note I will be on vacation Monday August 19th-25th.

Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CO162
phone-313-390-8849, fax: 313-390-4084
apoma2@ford.com

Amy,
Meeting was held
Shri Reddy, Bill McCarty,
me, Stu Gillespie. Bill
handled updates. No meeting
Thursday. Next meeting is next
Mon.
- Jim Maurer

July 29

Have not heard
of Com Bill.

(Amy not attending.
Dis. Apt.)

Call-in #s

9-1-954-1195

717 4497#

312 6497
host code

Poma, Amy (A.)

From: McCarty, Bill (W.D.)
Sent: Monday, June 03, 2002 2:51 PM
To: Poma, Amy (A.); Maurer, James (J.B.); Gates, Freeman (F.C.); Johnson, Joe (J.H.)
Subject: Kavlico call in number

Please note that the host code number is 3126497 just in case I am a little late today.

Regards,

Bill McCarty
Powertrain & Driveline
Systems Purchasing

tel. 313-594-1031
fax. 313-594-4875

e-mail: wmccart1@ford.com <<mailto:wmccart1@ford.com>>

Poma, Amy (A.)

Subject: Updated: Daily Open Issues Review with Kavico
Location: Call-in # to be established

Start: Fri 4/26/02 4:00 PM
End: Fri 4/26/02 5:00 PM
Show Time As: Tentative

Recurrence: Daily
Recurrence Pattern: every weekday from 4:00 PM to 5:00 PM

Meeting Status: Not yet responded

Required Attendees: McCarty, Bill (W.D.); Maurer, James (J.B.); White-Johnson, Patrice (P.); Gates, Freeman (F.C.); Johnson, Joe (J.H.)
Optional Attendees: Poma, Amy (A.)

I have established 5 lines. Please try to congregata within a central location within your building.

The call-in numbers are:

Toll free: 888-408-3572
Ford Net: 954-1195
Pass code: 7174497 #

Noted: no mtg 5/23 - dept. golf outing.
no mtg 5/27 - Memorial holiday.

Poma, Amy (A.)

From: Poma, Amy (A.)
Sent: Thursday, May 23, 2002 7:43 AM
To: Akins, Mary (M.); Ayers, Don; beason, G.; costaines, j.; Gates, Freeman (F.C.); Gillespie, a.; Johnson, Joe (J.H.); Maurer, James (J.B.); McCarty, Bill (W.D.); O'Neall, Jim (J.D.); Poma, Amy (A.); White-johnson, Patrice (P.)
Subject: May 23 4:00 mtg. CANCELLED

Team-

Please be advised that due to unavailability on many participants schedule today, the 4:00-5:00 p.m. call in meeting is CANCELLED for today. We will also not be having a meeting on Monday, May 27 due to the Memorial Day holiday.

We will resume our normal meeting schedule on Thursday, May 30, 2002 at 4:00 p.m. Eastern time. Thanks.

Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CQ-156
phone-313-390-8849, fax: 313-390-4084
apoma2@ford.com

Poma, Amy (A.)

From: McCarty, Bill (W.D.)
Sent: Wednesday, May 08, 2002 8:52 AM
To: Poma, Amy (A.)
Subject: Kavlico action items, update

Amy,

Thanks again for your assistance! I took your file and made a few changes, but the content is still the same.

The meetings are currently scheduled to occur on Monday and Thursday of each week. Do you have the call-in numbers?

The distribution for Ford:

Joe Johnson
Lamar King -- *no mail id*
Jim O'Neall
Jim Maurer
Freeman Gates
Patrice White-Johnson
Me

The distribution for Kavlico:

dayers@kavlico.com
jcostalnes@kavlico.com
gbeason@kavlico.com
sgllespie@kavlico.com



UNRECORDED COPY
SYSTEM GENERATED

Regards,

Bill McCarty
Powertrain & Driveline
Systems Purchasing

tel. 313-594-1031
fax. 313-594-4875

e-mail: wmccart1@ford.com <<mailto:wmccart1@ford.com>>

ERR2-827-D 5446

R. Plante.

Poma, Amy (A.)

From: Plante, Paul (P.G.)
Sent: Monday, May 13, 2002 11:02 AM
To: Patel, Anup (A.M.); McCoy, James (J.D.); Awad, Mahmoud (M.I.); Freeland, Mark (M.); Maurer, James (J.B.)
Cc: Plante, Paul (P.G.); Poma, Amy (A.); 'jiahshan@visteon.com'; Gates, Freeman (F.C.); Perry, Brian (B.J.); O'Neill, Jim (J.D.)
Subject: Assignments Follow Up-Action Required-DPFE Stalls Meeting

Assignments and due dates from the 5/2/02 DPFE Stalls Working Group meeting are below. Please submit your answers to Amy Poma by due date. Answers will be summarized for review at 14D meeting Tuesday/Thursday:

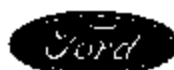
Amy, please give answers to Jim Maurer and Paul Plante.



Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Piller D6
Tele. 313-84-54138; Fax 39-02513
Text Pager: 734-296-1905
E Mail: pplante@ford.cm (CDS ID PPLANTE)

ERR-027-D SAAS

Mon. 1-3:00pm



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: To Achieve Vehicle Issues Resolution by addressing vehicle issues leading to decision if IS/IS NOT Root Cause with delegation of assignments and collection of data to bring to conclusion

Meeting Logistics

Subject:	Kavlico TM dPFE Sensor Vehicle Issues Resolution.	
Date:	July 29, 2002	
Time:	1-3:00 p.m.	
Location:	POEE, conference rm. B103A, (pillar L10)	
Called By:	Jon Janda, Team Leader 24(8-2589)	
Next Meeting (s):	August 5, 2002, Core Team Meeting	
Conference Call-in Number(s):		

Core Team Participants

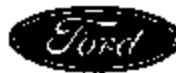
Black Belts	Kavlico	V-Engine	Quality Office	ERSE
Mark Froeland	Mary Atkins	Jim Maurer	Mahmoud Awad	Sheran Alins
Shri Akolkar		Freeman Gates		Robert Rossi
Jim McCoy		Amy Poma		
		Paul Plante		
Team Leader	Vincent	Carol Verner		
Jon Janda	John Jahaban			

Meeting Agenda - 7/29/02

Order of Agenda Items	Person(s) Responsible	Time Allocated
1. EGR pressure and temperature @ zero flow.	Shri Akolkar	15 minutes
2. Definition of latch.	All	20 minutes
3. Quantifying a latch condition.	All	20 minutes
4. Escape brake light switch & cigarette lighter wiring harness 1 pg. Document.	Robert Rossi	10 minutes
5. 14D Team meetings-structure/status - follow up from Koszewak mtg.	Jim Maurer	15 minutes
6. Walk In.	All	

Other Open Issues for Discussion	Person(s) Responsible	Time Estimated

Jim Maurer/cp: 7/26/02
Kavlico dPFE Sensor Core Team



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: To Achieve Vehicle Issues Resolution by addressing vehicle issues leading to decision if IS/IS NOT Root Cause with delegation of assignments and collection of data to bring to conclusion

Meeting Logistics	
Subject:	Kavlico TM dPFE Sensor Vehicle Issues Resolution.
Dates:	July 22, 2002
Time:	1-3:00 p.m.
Location:	POBE, conference rm E103A, (pillar L10)
Called By:	Jon Janda, Team Leader 24(8-2589)
Next Meeting (s):	July 29, 2002, Core Team Meeting
Conference Call-In Number(s):	

Core Team Participants					
Black Belt	Kavlico	V-Engine	Quality Office	ERSE	
Mark Freeland	Mary Akias	Jim Maurer	Mahmoud Awad	Sheran Alles	
Shri Akolkar		Freeman Gates		Robert Rossi	
Jim McCoy		Amy Poma			
		Paul Plants			
Team Leader	Visteon	Carol Verner			
Jon Janda	John Jabshan				

Meeting Agenda - 7/22/02		
Order of Agenda Items	Person(s) Responsible	Time Allocated
1. Best/Worse exhaust pressure and temperature update.	Shri Akolkar	15 minutes
2. Quality report update.	Mahmoud Awad	15 minutes
3. Zero resistance spark plug test.	Sheran Alles	10 minutes
4. Electrical data update	Robert Rossi	15 minutes
5. Walk ins	All	

Other Open Issues for Discussion	Person(s) Responsible	Time Estimated

Jim Maure/cpr: 7/22/02
Kavlico dPFE Sensor Core Team



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: To Achieve Vehicle Issues Resolution by addressing vehicle issues leading to decision if IS/IS NOT Root Cause with delegation of assignments and collection of data to bring to conclusion

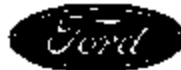
Meeting Logistics	
Subject:	Kavlico TM dPFB Sensor Vehicle Issues Resolution.
Date:	July 22, 2002
Time:	1-3:00 p.m.
Location:	POEB, conference rm.B103A, (pillar L10)
Called By:	Jon Janda, Team Leader 24(8-2589)
Next Meeting (s):	July 29, 2002, Core Team Meeting
Conference Call-in Number(s):	

Core Team Participants				
Black Belts	Kavlico	V-Engine	Quality Office	BESE
Mark Freeland	Mary Atkins	Jim Maurer	Mahmoud Awad	Sheran Alles
Shri Akolkar		Froeman Gates		Robert Rosal
Jim McCoy		Amy Poma		
		Paul Plante		
Team Leader	Visteon	Carol Verner		
Jon Janda	John Jahshan			

Meeting Agenda - 7/22/02		
Order of Agenda Items	Person(s) Responsible	Time Allocated
1. Best/Worse exhaust pressure and temperature update.	Shri Akolkar	15 minutes
2. Quality report update.	Mahmoud Awad	15 minutes
3. Zero resistance spark plug test.	Sheran Alles	10 minutes
4. Electrical data update	Robert Rosal	15 minutes
5. Walk Ins	All	

Other Open Issues for Discussion	Person(s) Responsible	Time Estimated

Jim Maurer/cp: 7/22/02
Kavlico dPFB Sensor Core Team



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: To Achieve Vehicle Issues Resolution by addressing vehicle issues leading to decision if IS/IS NOT Root Cause with delegation of assignments and collection of data to bring to conclusion

Meeting Logistics	
Subject:	Kavlico TM dPPE Sensor Vehicle Issues Resolution.
Dates:	July 8, 2002
Time:	1-3:00 p.m.
Location:	POBE, conference rm.B103A, (pillar L10)
Called By:	Jon Janda, Team Leader 24(8-2589)
Next Meeting (s):	July 15, 2002, Core Team Meeting
	July 22, 2002, Core Team Meeting
	NOTE NO MEETING JULY 1, 2002
Conference Call-in Number(s):	

Core Team Participants					
Black Belt	Kavlico	V-Engins	Quality Office	EESE	
Mark Freeland	Mary Akins	Jim Maurer	Mahmoud Awad	Sheran Alles	
Shri Akolkar		Freeman Gates		Robert Rossi	
Jim McCoy		Amy Poma			
		Paul Plante			
Team Leader	Visteon	Carol Verner			
Jon Janda	John Jahshan				

Meeting Agenda - 6/24/02		
Order of Agenda Items	Person(s) Responsible	Time Allocated
1. Review IS/IS NOT document and update.	Jon Janda	20 minutes
2. Keith Frazier conclusions	Keith Frazier	20 minutes
3. Test status	Mark Freeland	20 minutes

Other Open Issues for Discussion	Person(s) Responsible	Time Estimated

Jim Maurer/cp: 6/26/02
Kavlico dPPE Sensor Core Team

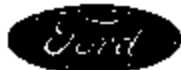
contract: 6/10/10
revised:

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
POEE E103A (Pillar L10)

Meeting Date: 1/17/02

Please:							
- Initial or check the box to the left of your name to indicate your attendance.							
- Make any corrections to the detail associated with your name.							
- If your name is not on this list, please write it in at the bottom including the appropriate detail.							
Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
MA	Akine	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
SA	Alles	Sheran	313-59-40563	EESE - AVT Wiring Specialist	Ford	AVT5	salles@ford.com
MA	Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
MF	Freedland	Mark	313-59-47645	B-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
JO	Jahshan	John	734-866-2759	PCSE Applications Engineer	Viatecn	POEE	jahshan@viatecn.com
JA	Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	janda@ford.com
JM	Maurer	Jim	313-39-03872	Team Leader	Ford	POEE	jmaurer@ford.com
	McCoy	Jim	313-33-79890	Product Design Engineer	Ford	POEE	jmccoy1@ford.com
AP	Poma	Amy	313-39-06849	Proj. Mgt. Analyst	Project Solutions	POEE	apoma2@ford.com
PL	Planta	Paul	313-84-54198	Campaign Manager	Ford	POEE	pplanta@ford.com
RO	Rossi	Robert	313-84-51436	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrossi1@ford.com
	Verner	Carol	313-39-07180	Product Problem Analyst	Ford	POEE	cverner@ford.com
	FRAZUR	Kurt	313-722-7150	EESE - EDC	Ford	AVT5	kfranz@ford.com
			313-722-1638				

EM02-027-D 5459



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: To Achieve Vehicle Issues Resolution by addressing vehicle issues leading to decision if IS/IS NOT Root Cause with delegation of assignments and collection of data to bring to conclusion

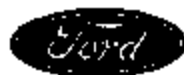
<u>Meeting Logistics</u>	
Subject:	Kavlico TM dPFE Sensor Vehicle Issues Resolution.
Dates:	June 17, 2002
Time:	1-3:00 p.m.
Location:	POEE, conference rm.E103A, (pillar L10)
Called By:	Jon Janda, Team Leader 24(8-2589)
Next Meeting (s):	June 24, 2002, Core Team Meeting July 1, 2002, Core Team Meeting
Conference Call-in Number(s):	

<u>Core Team Participants</u>				
Black Belts	Kavlico	V-Engine	Quality Office	EI/SE
Mark Freeland	Mary Akins	Jim Maurer	Mahmoud Awad	Sheran Alles
Shri Akolkar		Freeman Gates		Robert Rossi
Jim McCoy		Amy Pozna		
		Paul Plante		
Team Leader	Visteon	Carol Verner		
Jon Janda	John Jahshan			

<u>Meeting Agenda - 6/17/02</u>		
Order of Agenda Items	Person(s) Responsible	Time Allocated
1. J1-PCM solder IS NOT statement.	R. Rossi	5 minutes
2. Cigarette lighter wire-bundle w/DPFE? Provide IS NOT data.	R. Rossi	10 minutes
3. Escape brake light switch wiring 12V short to 5V.	R. Rossi	10 minutes
4. C90 IS NOT statement.	R. Rossi	5 minutes
5. Temperature and pressure data from 21 car lines	F. Gates	10 minutes
6. Review of EMC report-Waveforms	M. Freeland	10 minutes
7. Keith Frazier conclusions	K. Frazier	20 minutes
8. John Jahshan Focus testing IS NOT statement	J. Jahshan	5 minutes
9. Shri Alles Dyno testing in LaBeco-overview	S. Alles	15 minutes

Other Open Issues for Discussion	Person(s) Responsible	Time Estimated
1. Too much time being spent on investigating sensor, not enough time on vehicle issues.		
2. Focus testing-instrument them w/ sensors w/out gel.	Jim McCoy, Robert Rossi	
3. What is correct for various levels of PCM will call reset.		

Jim Maurer/cp: 6/20/02
Kavlico dPFE Sensor Core Team



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: To Achieve Vehicle Issues Resolution by addressing vehicle issues leading to decision if IS/IS NOT Root Cause with delegation of assignments and collection of data to bring to conclusion

Meeting Logistics	
Subject:	Kavlico TM dPFH Sensor Vehicle Issues Resolution.
Date:	June 10, 2002
Time:	1-2:30 p.m.
Location:	POBE, conference rm. B103A, (pillar L10)
Called By:	Jon Janda, Team Leader 24(8-2589)
Next Meeting (s):	June 17, 2002, Core Team Meeting
	June 24, 2002, Core Team Meeting
Conference Call-In Number(s):	

Core Team Participants				
Black Belts	Kavlico	V-Engine	Quality Office	EESE
Mark Freehand	Mary Akins	Jim Maurer	Mahmoud Awad	Sheran Allec
Shri Akolkar		Freeman Gates		Robert Rossi
Jim McCoy		Amy Poma		
		Paul Plants		
Team Leader	Visteon	Carol Verner		
Jon Janda	John Jahshan			

Meeting Agenda - 6/10/02		
Order of Agenda Items	Person(s) Responsible	Time Allocated
1. Transient Voltage vehicle test report.	R. Rossi	5 minutes
2. Cigarette lighter wire-bundle w/DPFH? Provide IS NOT data.	R. Rossi	10 minutes
3. Escape brake light switch wiring 12V short to 5V.	R. Rossi	10 minutes
4. 4 test vehicle instrumentation/test plan.	J. McCoy	10 minutes
5. Focus testing update/findings.	R. Rossi	20 minutes
6. Hussein Bina's Focus Follow up.	J. McCoy	10 minutes
7. Analysis of recorded V-trans Set up, magnitudes.	K. Prazier/R. Rossi	20 minutes
8. Alan Ford Buy back status.	F. Gates	5 minutes
9. Is/Is Not Sheet review.	P. Plants/All	10 minutes

Other Open Issues for Discussion	Person(s) Responsible	Time Estimated
1. Too much time being spent on investigating sensor, not enough time on vehicle issues.		
2. Focus testing-instrument them w/ sensors w/out gal.	Jim McCoy, Robert Rossi	
3. What is current for various levels of PCM will call reset.		

Jim Maurer/cp: 6/10/02
Kavlico dPFH Sensor Core Team



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: To Achieve Vehicle Issues Resolution by addressing vehicle issues leading to decision if IS/IS NOT Root Cause with delegation of assignments and collection of data to bring to conclusion

Meeting Logistics	
Subject:	Kavlico TM dPFB Sensor Vehicle Issues Resolution.
Dates:	June 3, 2002
Time:	1-3:00 p.m.
Location:	POBE, conference rm.B103A, (pillar L10)
Called By:	Jon Janda, Team Leader 24(8-2589)
Next Meeting (s):	June 10, 2002, Core Team Meeting June 17, 2002, Core Team Meeting
Conference Call-in Number(s):	

Core Team Participants				
Black Belts	Kavlico	V-Engine	Quality Office	BBSE
Mark Freeland	Mary Akins	Jim Maurer	Mahmoud Awad	Sheran Alias
Shri Akolkar		Freeman Gates		Robert Rossi
Jim McCoy		Andy Poma		
		Paul Plante		
Team Leader	Vincon	Carol Vernon		
Jon Janda	John Jahshan			

Meeting Agenda - 6/3/02		
Order of Agenda Items	Person(s) Responsible	Time Allocated
1. BBSE Issues Resolution-IS/IS NOT	Robert Rossi, Keith Frazier	20 minutes
2. Analytical Solutions May 20 mtg. Discussion	Ed Sickafus, Mark Freeland	20 minutes
3. Sensor BS Spec Robustness to V Transient Failures	Freeman Gates, Keith Frazier	15 minutes

Other Open Issues for Discussion	Person(s) Responsible	Time Estimated
1. Too much time being spent on investigating sensor, not enough time on vehicle issues.		
2. Focus testing-instrument them w/ sensors w/out gel.	Jim McCoy, Robert Rossi	
3. What is current for various levels of PCM will call reset.		

Jim Maurer/cp: 5/31/02
Kavlico dPFB Sensor Core Team

**Issues Resolution Meeting Agenda
Monday, May 20, 2002
FOEE CR E103A**

- | | |
|--|-------------------|
| 1. J1-PCM solder | 20 minutes |
| 2. C-90 connector intermittent | 20 minutes |
| 3. Cigarette lighter does not work or fuse
Blows indicating electrical short in harness | 20 minutes |
| 4. Alternator | 20 minutes |
| 5. Escape-brake pedal switch connector | 20 minutes |
| 6. New topics/walkins | 20 minutes |
| 7. Kavlico's request to acquire car for testing | 20 minutes |

**DPFE Sensor Vehicle Issues Meeting, Monday 5/26/02 1:00-3:00 p.m.
POEE, E103A (pillar L10)**

Attendees:	Paul Plante	Mahmoud Awad	Mary Akins
	Amy Poma	Freeman Gates	John Jahshan
	Jim Maurer	Jon Janda	Mark Freeland
	Jim McCoy	Sheran Alles	Carol Vernor
	Robert Rossi	Shri Akolkar	

Meeting Objective: This is an issues resolution meeting. The objective being to address vehicle issues, decide if it is an IS/IS NOT Root Cause, with a delegation of assignments/collection of data to further discuss and bring to conclusion.

Assignments:

- **Paul Plante** – contact EESE chief engineering and establish the support required from that office for this team.
- **Shri Akolkar** – Powertrain applications – get pressure, pulsation and temperature information. John to get with Freeman to define what requirements are necessary for the test and to make sure the vehicles being used are the same. Proposed vehicles are:
 - 4.6L SOHC F-Series
 - 4.6L SOHC Econoline
 - 4.2L OHV F-Series
 - 4.2L OHV Econoline

Freeman Gates-Determine if exhaust gas at the sensor contains acids. Run test on vehicle with sensor fitted with litmus paper (from K. Park).

- **Jim McCoy-leader** – Study non-standard sensor current and voltage for the "best of the best" to the "worst of the worst" vehicles.
 - 4.0L 2002 Explorer-need to establish month of production for low warranty condition. (best)
 - 2.0L Alan Ford Zetec Focus (worst) original PCM. Paul will check with Marty on car status.

Need to collectively test a variety of different concepts that cause transient noise:
Transient noise coming out of V-ref to be checked: (C=connections, G=grounds).
C270B, C270C, C270D, C110, C133, G300, G100, G104, G105 and G101.

Concepts decided for discussion of 20 minutes each at next week's May 20th meeting:

1. J1-PCM solder
2. C-90 connector intermittent
3. Cigarette lighter does not work or fuse blows indicating electrical short in harness
4. Alternator
5. Escape-brake pedal switch connector.

Poma, Amy (A.)

From: Poma, Amy (A.)
Sent: Friday, May 17, 2002 9:13 AM
To: Akins, Mary (M.); Alles, Sheran (S.A.); Awad, Mahmoud (M.I.); Freeland, Mark (M.); Gates, Freeman (F.C.); Janda, Jon (J.M.); John Jahshan (E-mail); Maurer, James (J.B.); McCoy, James (J.D.); Plante, Paul (P.G.); Poma, Amy (A.); Rossi, Roberto (R.A.); Verner, Carol (C.J.)

Team,

Attached are revised meeting notes that will be reviewed at Monday's May 20th meeting. Also attached is a separate revised Agenda.



apomaz.doc



TeamMeetingNotes
05_17_02.doc

Although some team members will not be attending due to travel to Analytical Solutions we are still having the meeting. Please note the following Monday, May 27 is the Memorial Day holly.

*Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CQ-156
phone-313-390-8849, fax: 313-390-4084
apomaz@ford.com*

The next meeting is scheduled for Monday, May 20, 2002 in conference room E103A. Please bring 13 copies of your issues to present and discuss. If you are unable to attend but would like to call it, please contact me in advance and I will obtain a conference call phone for the room. Apoma2@ford.com.

Issues Resolution Agenda Status

1. J1-PCM solder-IS/IS NOT - undecided at this time. Jim McCoy/Robert Rossi lead decision to have Mark run PCM and then will decide status.
2. C-90 connector-IS/IS NOT undecided at at this time. Jim McCoy/Robert Rossi lead discussion to get Mark's car and monitor before deciding issue status.
3. Cigarette lighter-IS NOT. Jim McCoy has verification that fuse is not in same bundle.
4. Alternator - IS NOT. Jon Janda has data to support that DPFE on regulated supply shows no indication of sensor failure due to Alternator.
5. Escape-brake pedal switch connector-IS/IS NOT undecided at this time. Electrical short of 12V to 5V will damage PCM. Robert Rossi to check schematics if it was 5V line going to brake switch.

Other new issues to look at in future:

1. Too much time being spent on investigating sensor, not enough time on vehicle issues. That is part of the reason Kavtco wants a car of their own to test.
2. Focus testing-instrument them with sensors without any pol. Mary Akins to get protected or unprotected sensors to test, will work with Jim McCoy and Robert Rossi.
3. What is current for various levels of PCM will cause a reset- Mahmoud A. is already looking into this.
4. What is the goal now was discussed. The goal now is to prove if it's because of transient, if so, which one would be the next step.

solder crack will order of magnitude 50

Issues Resolution Meeting Agenda
 Monday, May 20, 2002
 POEE CR E103A

- 1. J1-PCM solder - *Mark will test with new PCM then decide* - still working on to decide IS/IS NOT. 20 minutes
- 2. C-90 connector intermittent - *west thru H43 pins no high correlation* 20 minutes
- 3. Cigarette lighter does not work or fuse - *Rob take Mark's car to monitor (DPE) since have data to support*
 Blows indicating electrical short in harness - *test transients* 20 minutes
- 4. Alternator - *Verification not in same bundle = J. Mcloy* 20 minutes
- 5. Escape-brake pedal switch connector - *check schematics* 20 minutes
- 6. New topics/walkins 20 minutes
- 7. Kavlien's request to acquire car for testing *open* 20 minutes

- 1. J1-PCM solder - on ~~floor~~
- 2. Get Mark's car + monitor
- 3. Verify fuse is not in same bundle as engine. *Rossi/Mcloy will get + then close.*
- 4. Jon Janta has data - DPE on regulated supply no indicator of sensor failure due to *BNET*
- 5. ~~Find out wiring~~ short 2V test will damage wait *wait* PCM - ~~test~~ - Rossi not issue get *5V* trying to break switch.

May give them new sensor if anything happens let us know asap.

**DPFE Sensor Vehicle Issues Meeting, Monday 5/20/02 1:00-3:00 p.m.
POEE, E103A (pillar L10)**

Attendees: Paul Plante ✓ Mahmoud Awad Mary Akins ✓
Amy Poma ✓ Freeman Gates John Jahshan ✓
Jim Maurer Jon Janda ✓ Mark Freeland
Jim McCoy ✓ Sheran Alles Carol Vernor
Robert Rossi ✓ Shri Akolkar

Meeting Objective: This is an issues resolution meeting. The objective being to address vehicle issues, decide if it is an IS/IS NOT Root Cause, with a delegation of assignments/collection of data to further discuss and bring to conclusion.

Assignments:

- Paul Plante – contact HBSB chief engineering and establish the support required from that office for this team. *Proposed blackbelt to support EESE w/ Rossi. (Not rec. now)*
- Shri Akolkar – Powertrain applications – get pressure, pulsation and temperature information. *John* to get with Freeman to define what requirements are necessary for the test and to make sure the vehicles being used are the same. Proposed vehicles are:
 - 4.6L SOHC F-Series
 - 4.6L SOHC Econoline
 - 4.2L OHV F-Series
 - 4.2L OHV Econoline*put on these vehicles.*

Freeman Gates-Determine if exhaust gas at the sensor contains acids. Run test on vehicle with sensor fitted with litmus paper (from K. Park). *Kyong does have a sensor w/ litmus paper.*

- Jim McCoy-leader – Study non-standard sensor current and voltage for the "best of the best" to the "worst of the worst" vehicles.
 - 4.0L 2002 Explorer-need to establish month of production for low warranty condition. (best)
 - 2.0L Alan Ford Zetec Focus (worst) original PCM. Paul will check with Marty on car status.

Need to collectively test a variety of different concepts that cause transient noise: Transient noise coming out of V-ref to be checked: (C=connections, G=grounds). C270B, C270C, C270D, C110, C133, G300, G100, G104, G105 and G101.

Concepts decided for discussion of 20 minutes each at next week's May 20th meeting:

1. J1-PCM solder
2. C-90 connector intermittent - *need lot of energy to latch up sensor*
3. Cigarette lighter does not work or fuse blows indicating electrical short in harness
4. Alternator
5. Escape-brake pedal switch connector.

Suggestions on what to go after;

not doing it.

Colby Lawless New Issues to Look At

→ too much time on sensor not on vehicle. That's part of reason they (Kav) wants car.

- Fixees - instrument them w/ sensors w/out any gel. - Mary confirm we should do this w/out gel or that will in confirm offline
Jim Mc + Bossi / Mary to get -
↳ protected unprotected.

Assign - Am Memout looking into.
- What current for various levels of PPT will cause a reset? →

Goal Now

Is prove if it's because of transient of so which one would be next step.

High current on V-Ref.

**DPFE Sensor Vehicle Issues Meeting, Monday 5/20/02, 1:00-3:00 p.m., POEE, E103A
(pillar L10)**

Attendees:	Paul Plante	Mahmoud Awad	Mary Akins
	Amy Poma	Freeman Gates	John Jahshan
	Jim Maurer	Jon Janda	Mark Freeland
	Jim McCoy	Sheran Alles-no	Carol Vernor-no
	Robert Rossi-no		

Meeting Objective: This is an issues resolution meeting. The objective being to address vehicle issues, decide if it is an IS/IS NOT Root Cause, with a delegation of assignments/collection of data to further discuss and bring to conclusion.

Assignments:

- **Paul Plante** – contact EBSE chief engineering and establish the support required from that office for this team.
- **John Jahshan/Freeman Gates** – Powertrain applications – get pressure, pulsation and temperature information. John to get with Freeman to define what requirements are necessary for the test and to make sure the vehicles being used are the same. Proposed vehicles are:
 - 4.6L SOHC F-Series
 - 4.6L SOHC Econoline
 - 4.2L OHV F-Series
 - 4.2L OHV Econoline
- **Jim McCoy-leader**–Study non-standard sensor current and voltage for the "best of the best" and the "worst of the worst" vehicles.
 - 4.0L 2002 Explorer-need to establish month of production for low warranty condition. (best)
 - 2.0L Alan Ford Zetec Focus (worst) with original PCM. Paul will check with Marty on car status.

Need to collectively test a variety of different concepts that cause transient noise:
Transient noise coming out of V-ref to be checked (C=connections, G=grounds.)
C270B,C270C,C270D,C110,C133,G300,G100,G104,G105, and G101

Concepts decided for discussion of 20 minutes each at next week's May 20th meeting:

1. J1-PCM solder
2. C-90 connector intermittent
3. Cigarette lighter does not work or fuse blows indicating electrical short in harness
4. Alternator
5. Escape-brake pedal switch connector.

The next meeting is scheduled for Monday, May 20, 2002 in conference room E103A. Please bring 13 copies of your issues to present and discuss. If you are unable to attend but would like to call in, please contact me in advance and I will obtain a conference call phone for the room. An Agenda for the May 20th meeting will be out later this week.
Apoma2@ford.com.

EMR2-027-D 5473

Mon. CAREYOVER HOD

ENG2-027-D 0474

Team Review

Panaretos, Christine (C.M.)

From: King II, Lamar (L.L.)
Sent: Tuesday, April 09, 2002 9:39 AM
To: Panaretos, Christine (C.M.)
Subject: RE: FW: Kavlico dPFE Sensor Core Team Meeting

Three years ago I had EGR for 10 years, I came back, to help bring it back under control. I forwarded the meeting notice from Jim Maurer's calendar to myself. Right now, I am working on the future's scenario. And you?

A PASSION FOR "CUSTOMER SATISFACTION"
Lamar L. King II
Supervisor- I4 & SMALL V6 EGR SYSTEMS
Sub-System Engineering "C", VEE Engine Engrg.
Phone (313) 584-1633 Fax (313) 390-4084
LKing1@ford.com Text/ Page (313) 795-5332

-----Original Message-----

From: Panaretos, Christine (C.M.)
Sent: Tuesday, April 09, 2002 9:29 AM
To: King II, Lamar (L.L.)
Subject: RE: FW: Kavlico dPFE Sensor Core Team Meeting

Lamar,
I will add you to my distribution list, however, I need to know who forwarded the meeting notice to you and what your role is. Thanks.

Chris Panaretos

Account Manager, Project Solutions at Ford Powertrain
POEE Building, Cube CG-071
(313) 24-89337; Fax (313) 32-29265
cpanaret@ford.com

-----Original Appointment-----

From: King II, Lamar (L.L.)
Sent: Tuesday, April 09, 2002 7:40 AM
To: Panaretos, Christine (C.M.)
Subject: Accepted: FW: Kavlico dPFE Sensor Core Team Meeting
When: Occurs every Thursday effective 1/3/02 until 5/16/02 from 1:00 PM to 3:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where: POEE D1186 (War Room in FMEI Dept.)

Panaretos, Christine (C.M.)

From: Smythe, Joseph (J.M.)
Sent: Friday, March 22, 2002 8:58 AM
To: Panaretos, Christine (C.M.)
CC: Plante, Paul (P.G.); Maurer, James (J.B.); White-Johnson, Patrice (P.)
Subject: RE: Kavlico dPFE Sensor Core Team 3/21

Christine,

I wanted to let you know that I have been reassigned to another supplier deck and will no longer be the STA for Kavlico. Patrice White-Johnson will now be the STA point of contact for Kavlico. Please add her to the core team and remove me.

Thanks,

Joseph Smythe
Ford Motor Company
Powertrain STA Engineer
Parklane Towers East, Suite 500
One Parklane Boulevard, Dearborn, Michigan 48126
Work Phone: (313) 621-2895
Pager: (313) 795-1703
Email: jsmythe1@ford.com

Powertrain
Powertrain STA Engineer
313-621-2895

*Changed team membership
John
3/22*

Original Message

From: Panaretos, Christine (C.M.)
Sent: Thursday, March 21, 2002 9:48 AM
To: Atkins, Mary (M.); Alkoker, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.N.); Aufer, Jim (J.B.); Bamber, Mark (M.B.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoska, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Bissel, Gery (G.); Blase, Paul (P.F.); Bronri, Mark (M.J.); Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglas, Jim (J.B.); Frazland, Mark (M.); Galante, Chris (C.R.); Gatas, Freeman (F.C.); Gordano, Mike (M.A.); Godawski, Ed (E.V.); Hargas, Jon (.); Johnson, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerosi, Karen (K.J.); Koszewnik, John (J.L.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarthy, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Cowatt, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Paszary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raqueau, Alden (A.P.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Tamachiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.)
Subject: Kavlico dPFE Sensor Core Team 3/21

Attached please find the agenda and documents that will be reviewed at today's Kavlico dPFE Sensor Core Team meeting. Basically, we will be reviewing the requirements to update the 14D for the Technical Review requirements on 3/25/02. If you do not have an assignment on the agenda, you do not need to attend.

<< File: Kavlico Meeting Agenda_032102.doc >> << File: Summary of Kavlico Sensor Transient Testing.xls >>

Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-28285

Panaretos, Christine (C.M.)

From: Scarcell, Jan (J.F.) on behalf of Wilson, Cary (C.A.)
Sent: Tuesday, March 12, 2002 12:17 PM
To: Panaretos, Christine (C.M.)
Subject: RE: Meeting Agenda for 3/12/02- Kavlico

Christine,

I believe Cary Wilson is no longer involved....

Sincerely,

Jan Scarcell

Administrative Assistant to Cary Wilson
Director EESE
Phone: 313-83-75729
Fax: 313-32-31727

*1
removed from
dist list
3/13/02*

—Original Message—

From: Panaretos, Christine (C.M.)
Sent: Tuesday, March 12, 2002 12:04 PM
To: Aldns, Mary (M.); Alstkar, Shifant (S.V.); Albrecht, Guentier (G.K.); Altes, Sheran (S.A.); Arnold, Kenneth (K.M.); Aulak, Im (I.E.); Awad, Mahmoud (M.L.); Ayers, Don; Banduska, Pete (P.F.); Banek, Catherine (C.K.); Barsuda, Lee (L.C.); Basi, Gerry (G.); Bronn, Mark (M.J.); Davies, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglas, Jim (J.B.); Freeland, Mark (M.); Galles, Freeman (P.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hansas, Jon (J.); Jahnson, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Keresz, Karen (K.); Koszownik, John (J.J.); Kunda, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Mutar, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Owaft, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raquetan, Alden (A.P.); Rossi, Roberto (R.A.); Schleding, Kurt (K.); Shors, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-johnson, Patricia (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Meeting Agenda for 3/12/02- Kavlico

<< File: Kavlico Meeting Agenda_031202.doc >>

Chris Panaretos

Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax (313) 32-29265

Panaretos, Christine (C.M.)

Distribution List Name: Kavlico dPFE Sensor Core Team

Members:

Akins, Mary (M.)	makins@ford.com
Akolkar, Shrikant (S.V.)	sakolkar@ford.com
Allen, Sharon (S.A.)	sallen@ford.com
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Smythe, Joseph (J.M.)	jsmythe1@ford.com
Verner, Carol (C.J.)	cverner@ford.com

3/13/04

Panaretos, Christine (C.M.)

Distribution List Name: Kavlico TM dPFE Sensor

Members:

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Hanges, Jon (.)	jhanges@ford.com
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Johnson, Joe (J.H.)	jjohnson@ford.com
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Kunde, Olat (O.)	okunde1@ford.com
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Rossi, Roberto (R.A.)	rross1@ford.com
Schleding, Kurt (K.J.)	kachled1@ford.com
Shore, John (J.)	jshore@ford.com
Smythe, Joseph (J.M.)	jsmythe1@ford.com
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Verner, Carol (C.J.)	cverner@ford.com
White-Johnson, Patrice (P.)	pwhitejo@ford.com
Williamson, Richard (E.)	rwill110@ford.com

3/13/02

**2000-2002 Kavlico TM dPFE Sensor
Team Roster by Name**

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
*	Aldns	Mary	313-24-81889	Kavlico	On-Site Rep.	Kavlico	POEE	maidns@ford.com	313-39-04084
	Akolkar	Shri	313-58-41808	V-Engine	Six Sigma Black Belt	Ford	POEE	akolkar@ford.com	
	Albrecht	Gunther	313-82-23153	V-Engine	Service Engineer	Ford	POEE	galbrech@ford.com	313-82-14367
*	Alles	Sheran	313-58-40553	EESE	AVT Wiring Specialist	Ford	AVT5	salles@ford.com	313-84-53804
	Arnold	Ken	313-24-84178	PT Elec Appl	4.0 F150 Supv./Leader	Ford	POEE	karnold@ford.com	313-32-36743
	Auller	Jim	313-32-36763	PTSE	Chief Engineer	Ford	POEE	jauller@ford.com	
*	Awad	Mahmoud	313-24-83889	Quality Office	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com	313-39-02315
*	Ayers	Don	805-523-2000	Kavlico	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com	805-523-8475
	Banasik	Catherine	313-32-38101	V-Engine	FMEI CPMT Eng./WEPs concerns	Ford	POEE	cbanasik2@ford.com	313-39-04084
	Berauder	Lee	313-84-80861	FCSD	FQE Supervisor	Ford	TWCTDR	lberauda@ford.com	
	Bisai	Gerry	313-24-36280	FCSD	ECI Supervisor	Ford	TWCTDR	gbisai@ford.com	
	Bronni	Mark	313-24-34509	Motorola	On-Site Rep.	Motorola	POEE	mbronni@ford.com	313-39-04084
	Danes	Adam	313-32-26686	V-Engine	Master Black Belt	Ford	POEE	adanes@ford.com	
	Davies	Brady	805-523-2000	Kavlico	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com	805-523-7125
	Deeb	Joe	313-84-58003	PT Elec Appl	3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com	313-39-03830
	Douglass	Jim	313-33-72655	EESE	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com	
*	Freeland	Mark	313-59-47645	FRL	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com	313-82-10346
*	Gates	Fraeman	313-32-24807	V-Engine	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com	313-39-04084
	Giordano	Mika	313-32-20825	Focus	C&P Supervisor	Ford	VPC	mgiordia1@ford.com	
	Hangas	Jon	313-23-31088	FRL	Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com	
	Jahahan	John	734-688-2759	PCSE	PCSE Applications Engineer	Viscon	POEE	jahahan@viscon.com	
	Janda	Jon	313-24-82589	V-Engine	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com	
	Johnson	Joe	313-84-58282	V-Engine	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com	313-39-04084
	Kapp	Dan	313-39-76554	CAPE	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com	
	Kerezi	Karen	313-20-83387	V-Engine	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com	313-84-53169
	Kozawarik	John	313-32-28673	V-Engine	Chief Engineer	Ford	POEE	jkozawar@ford.com	
	Kunda	Claf	313-20-66930	Focus	PT Focus Program Mgr.	Ford	VPC	ckunda1@ford.com	313-24-82526
	Masura	Gordon	313-32-29682	EPRC	Leader	Ford	FPB4	gmasura@ford.com	
*	Maurer	Jim	313-39-03672	V-Engine	Project Leader	Ford	POEE	jmaurer@ford.com	

2000-2002 Kavlico TM dPFE Sensor
Team Roster by Name

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
	McCarty	Bill	313-59-41031	Purchasing	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-59-44875
	Muter	Doreen	313-248-9391	FCSD	Recall Analyst	Ford	FCSD	dmuter@ford.com	
*	Nelson	Chris	734-26-69886	Purchasing	Service Buyer	Ford	FCSD	cnelson4@ford.com	
*	O'Neal	Jim	313-32-26839	V-Engine	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com	313-39-04084
	Oswalt	Greg	313-59-01180	EPRC	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com	313-59-47470
*	Paranetos	Chris	313-24-89337	V-Engine	Proj. Mgt. Analyst	Proj. Solution	POEE	cparanet@ford.com	313-32-29285
	Park	Kyong	805-523-2000	Kavlico	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com	805-523-7125
	Pascary	Ken	313-24-84888	EESE	PT Electronics Engineer	Ford	POEE	kpascary@ford.com	
*	Perry	Brian	313-39-04170	PT Elec Appl	2.0L Zetec Focus/Escape Supv.	Ford	POEE	bperry@ford.com	313-39-03830
*	Plante	Paul	313-84-54136	V-Engine	Campaign Manager	Ford	POEE	pplante@ford.com	
	Popoff	Dan	313-24-88803	Focus	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com	
	Raquepau	Al	313-24-84329	APTE	PT GPS	Ford	APTE	araqpau1@ford.com	313-24-89884
*	Rossel	Robert	313-84-51436	EESE	Wiring GPS - EESE Leader	Ford	Bldg. #1	rrossel1@ford.com	
	Schleding	Kurt	313-32-25449	Quality Office	Reliability Supervisor	Ford	POEE	kschled1@ford.com	313-39-02314
*	Shore	John	734-26-69789	FCSD	PS&L Recall Mgr./Parts costs & buy	Ford	FCSD	jshore@ford.com	734-26-61166
*	Smythe	Joe	313-62-12995	Purchasing	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com	313-33-72504
	Tamashiro	Terry	805-523-2000	Kavlico	Warranty Analyst	Kavlico	CA	tamashiro@kavlico.com	805-523-7125
	Trujillo	Tom	313-32-36265	OGC	Lawyer	Ford	PDC	gtrujil2@ford.com	79257
	Verner	Carol	313-39-07180	V-Engine	FMEI Engineer	Ford	POEE	cverner@ford.com	313-39-04084
	White-Johnson	Patrice	313-39-04409	Purchasing	STA Site Manager	Ford	AVTS	pwhitejo@ford.com	313-39-92904
	Williamson	Rick	313-24-88348	FCSD	ECI Prod.Con.Anal.	Ford	FCSD	rwil110@ford.com	

created: 12/11/01

2000-2002 Kavlico TM dPFE Sensor
Team Roster by Core Team, Department

Revision Date: 3/18/02

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORGL/Dept	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
*	Allee	Sharan	313-59-40553	EESE	AVT Wiring Specialist	Ford	AVT5	sallee@ford.com	313-84-53804
*	Rossi	Robert	313-84-51436	EESE	Wiring CPS - EESE Leader	Ford	Bldg. #1	rross1@ford.com	
*	Shore	John	734-28-69789	FCSD	PS&L Recall Mgr./Parts costs & buy	Ford	FCSD	jshore@ford.com	734-28-61166
*	Freeland	Mark	313-59-47845	FRL	8-Sigma Black Belt	Ford	FRL	mfreela1@ford.com	313-82-10346
*	Akins	Mary	313-24-81989	Kavlico	On-Site Rep.	Kavlico	POEE	makiya@ford.com	313-39-04084
*	Ayers	Don	805-523-2000	Kavlico	Program Manager/Technical Leader	Kavlico	CA	davyar@kavlico.com	805-523-8475
*	Perry	Brian	313-39-04170	PT Elec Appl	2.0L Zetec Focus/Escape Supv.	Ford	POEE	bperry@ford.com	313-39-03930
*	Nielsen	Chris	734-28-69686	Purchasing	Service Buyer	Ford	FCSD	cnilsen4@ford.com	
*	Smythe	Joe	313-82-12995	Purchasing	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com	313-33-72804
*	Awad	Mahmoud	313-24-69689	Quality Office	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com	313-39-02315
*	Gates	Freeman	313-32-24807	V-Engine	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com	313-39-04084
*	Maurer	Jim	313-39-03672	V-Engine	Project Leader	Ford	POEE	jmaurer@ford.com	
*	O'Neal	Jim	313-32-26839	V-Engine	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com	313-39-04084
*	Panarato	Chris	313-24-89337	V-Engine	Proj. Mgt. Analyst	Proj. Solution	POEE	cpanarat@ford.com	313-32-29265
*	Plante	Paul	313-84-54138	V-Engine	Campaign Manager	Ford	POEE	pplante@ford.com	
	Ragupau	Al	313-24-84329	APTE	PT CPS	Ford	APTE	aragupa1@ford.com	313-24-86884
	Kapp	Dan	313-33-76554	CAPE	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com	
	Douglas	Jim	313-33-72856	EESE	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com	
	Pascany	Ken	313-24-84669	EESE	PT Electronics Engineer	Ford	POEE	kpascany@ford.com	
	Masura	Gordon	313-32-29662	EPRC	Leader	Ford	FPB4	gmasura@ford.com	
	Corwall	Greg	313-39-01160	EPRC	Critical Con. Mgr.	Ford	FCSD	gcorwall@ford.com	313-59-47470
	Bersuder	Lee	313-84-60861	FCSD	FQE Supervisor	Ford	TWGTDR	lbersuda@ford.com	
	Bisai	Gerry	313-24-86280	FCSD	ECI Supervisor	Ford	TWGTDR	gbisai@ford.com	
	Muter	Doreen	313-248-8391	FCSD	Recall Analyst	Ford	FCSD	dmuter@ford.com	
	Williamson	Rick	313-24-88348	FCSD	ECI Prod. Con. Anal.	Ford	FCSD	rwill110@ford.com	
	Giordano	Mike	313-32-20925	Focus	C&P Supervisor	Ford	VPC	mgiorda1@ford.com	
	Kunde	Olef	313-20-65930	Focus	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com	313-24-82526
	Popoff	Dan	313-24-68603	Focus	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com	
	Hanges	Jon	313-23-31068	FRL	Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com	

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2000-2002 Kavlico TM dPFE Sensor
Team Roster by Core Team, Department

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
	Davies	Brady	805-523-2000	Kavlico	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com	805-523-7125
	Park	Kyong	805-523-2000	Kavlico	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com	805-523-7125
	Tanushiro	Terry	805-523-2000	Kavlico	Warranty Analyst	Kavlico	CA	ttanushiro@kavlico.com	805-523-7125
	Bronni	Mark	313-24-84509	Motorola	On-Site Rep.	Motorola	POEE	mbronni@ford.com	313-39-04084
	Trujillo	Tom	313-32-38285	OGC	Lawyer	Ford	PDC	tmtruj2@ford.com	78267
	Jahshan	John	734-868-2789	PCSE	PCSE Applications Engineer	Viscon	POEE	jahshan@viscon.com	
	Arnold	Ken	313-24-84178	PT Elec Appl	4.8 F160 Supv./Leader	Ford	POEE	karnold@ford.com	313-32-86743
	Dasb	Joe	313-64-58003	PT Elec Appl	3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdasb@ford.com	313-39-03830
	Auller	Jim	313-39-38783	PTSE	Chief Engineer	Ford	POEE	jauller@ford.com	
	McCarty	Bill	313-69-41031	Purchasing	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-59-44875
	White-Johnson	Patrice	313-39-04409	Purchasing	STA Site Manager	Ford	AVTS	pwwhite@ford.com	313-33-92804
	Schieding	Kurt	313-32-25449	Quality Office	Reliability Supervisor	Ford	POEE	kschied@ford.com	313-39-02314
	Akolkar	Shri	313-59-41908	V-Engine	Six Sigma Black Belt	Ford	POEE	sekolkar@ford.com	
	Albrecht	Gunther	313-32-23153	V-Engine	Service Engineer	Ford	POEE	ga@rech@ford.com	313-52-14367
	Banasik	Catherine	313-32-38101	V-Engine	FMEI CPMT Eng./WEFs concerns	Ford	POEE	cbanasik2@ford.com	313-39-04084
	Danese	Adam	313-32-29698	V-Engine	Master Black Belt	Ford	POEE	adanese@ford.com	
	Janda	Jon	313-24-82589	V-Engine	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com	
	Johnson	Joe	313-34-58282	V-Engine	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com	313-39-04084
	Kerezi	Karen	313-20-83387	V-Engine	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com	313-84-53169
	Koszewnik	John	313-32-28873	V-Engine	Chief Engineer	Ford	POEE	jkoszew@ford.com	
	Verner	Carol	313-39-07180	V-Engine	FMEI Engineer	Ford	POEE	cverner@ford.com	313-39-04084

2000-2002 Kavlico TM dPFE Sensor
Team Roster by Org./Department

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
*	Gates	Freeman	313-32-24807	V-Engine	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com	313-39-04084
*	Maurer	Jim	313-39-03672	V-Engine	Project Leader	Ford	POEE	jmaurer@ford.com	
*	O'Neal	Jim	313-32-28839	V-Engine	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com	313-39-04084
*	Panaretos	Chris	313-24-89337	V-Engine	Proj. Mgt. Analyst	Proj. Solution	POEE	cpanaret@ford.com	313-32-28265
*	Planitz	Paul	313-84-54138	V-Engine	Campaign Manager	Ford	POEE	pplanitz@ford.com	
*	Verner	Carol	313-39-07180	V-Engine	FMEI Engineer	Ford	POEE	cverner@ford.com	313-39-04084
	Albrecht	Gunther	313-32-23153	V-Engine	Service Engineer	Ford	POEE	galbrecht@ford.com	313-82-14367
	Bansek	Catherine	313-32-38101	V-Engine	FMEI CPMT Eng./WEFs concerns	Ford	POEE	cbansek2@ford.com	313-39-04084
	Johnson	Joe	313-84-58282	V-Engine	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com	313-39-04084
	Kerezl	Karen	313-20-63387	V-Engine	FMEI AWS Analyst	Ford	POEE	kkerezl@ford.com	313-84-53189
	Koszewnik	John	313-32-28973	V-Engine	Chief Engineer	Ford	POEE	jkoszewn@ford.com	
*	Awad	Mahmoud	313-24-89889	Quality Office	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com	313-39-02315
*	Schieding	Kurt	313-32-25449	Quality Office	Reliability Supervisor	Ford	POEE	kschiedi@ford.com	313-39-02314
*	Nielsen	Chris	734-28-89886	Purchasing	Service Buyer	Ford	FCSD	cnislae4@ford.com	
*	Smythe	Joe	313-82-12895	Purchasing	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com	313-33-72804
	McCarthy	Bill	313-59-41031	Purchasing	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-59-44875
	White-Johnson	Patrice	313-39-04408	Purchasing	STA Site Manager	Ford	AVTS	pwhitejo@ford.com	313-33-82804
	Auller	Jim	313-32-38763	PTSE	Chief Engineer	Ford	POEE	jauller@ford.com	
	Arnold	Ken	313-24-84178	PT Elec Appl	4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com	313-32-36743
*	Perry	Brian	313-39-04170	PT Elec Appl	2.0L Zetec Focus/Escapes Supv.	Ford	POEE	bperry@ford.com	313-39-03830
	Deeb	Joe	313-84-58083	PT Elec Appl	3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com	313-39-03830
	Pascany	Ken	313-24-84889	PT Elec Appl	PT Electronics Engineer	Ford	POEE	kpascany@ford.com	
	Sebold	Lynn	313-24-84720	PT Elec Appl	PT Electronics Engineer	Ford	POEE	lsebold@ford.com	
	Jahshan	John	734-888-2758	PCSE	PCSE Applications Engineer	Visteon	POEE	jlahshan@visteon.com	
	Trufflo	Tom	313-32-38285	OGC	Lawyer	Ford	PDC	ttruffl2@ford.com	78257
	Bronni	Mark	313-24-84508	Motorola	On-Site Rep.	Motorola	POEE	mbranni@ford.com	313-39-04084
*	Aldna	Mary	313-24-81988	Kavlico	On-Site Rep.	Kavlico	POEE	maldna@ford.com	313-39-04084
*	Ayers	Don	805-523-2000	Kavlico	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com	805-523-8475
	Davies	Brady	805-523-2000	Kavlico	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com	805-523-7125

2000-2002 Kavlico TM dPFE Sensor
Team Roster by Org./Department

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
	Park	Kyong	805-523-2000	Kavlico	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com	805-523-7125
	Tamashiro	Terry	805-523-2000	Kavlico	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com	805-523-7125
*	Freeland	Mark	313-59-47845	FRL	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com	313-82-10348
	Hargas	Jon	313-23-31088	FRL	Scan Elec Microscope-Expert	Ford	FRL	lhargas@ford.com	
	Giordano	Mike	313-32-20925	Focus	C&P Supervisor	Ford	VPC	mgiorda1@ford.com	
	Kunde	Olaf	313-20-85930	Focus	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com	313-24-82528
	Popoff	Dan	313-24-88603	Focus	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com	
	Bersuder	Lee	313-84-80881	FCSD	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com	
	Biasi	Gerry	313-24-86280	FCSD	ECI Supervisor	Ford	TWCTDR	gbiasi@ford.com	
	Muter	Doreen	313-248-0391	FCSD	Recall Analyst	Ford	FCSD	dmuter@ford.com	
*	Shore	John	734-26-89789	FCSD	PS&L Recall Mgr./Parts costs & buy	Ford	FCSD	jshore@ford.com	734-26-81168
	Williamson	Rick	313-24-85348	FCSD	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com	
	Masura	Gordon	313-32-29662	EPRC	Leader	Ford	FPB4	gmasura@ford.com	
	Oswalt	Greg	313-39-01160	EPRC	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com	313-59-47470
*	Alles	Sheran	313-59-40553	EESE	AVT Wiring Specialist	Ford	AVT5	galles@ford.com	313-84-83804
*	Rossi	Robert	313-84-51438	EESE	Wiring CPS - EESE Leader	Ford	Bldg. #1	rross1@ford.com	
	Douglass	Jim	313-33-72855	EESE	Vehicle Environmental Engineering	Ford	FPB4	jdougla@ford.com	
	Wilson	Cary	313-39-02652	EESE	Chief Engineer	Ford	AVT8	cwilso32@ford.com	
	Kapp	Dan	313-33-78554	CAPE	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com	
	Requespu	Al	313-24-84329	APTE	PT CPS	Ford	APTE	areques1@ford.com	313-24-89884

**2000-2002 Kavlico TM dPFE Sensor
Team Roster by Org./Department**

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
*	Gates	Freeman	313-32-24807	V-Engine	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com	313-39-04084
*	O'Neill	Jim		V-Engine	FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com	313-39-04084
*	Owens	Karen	313-84-55770	V-Engine	FMEI Supervisor	Ford	POEE	kowens@ford.com	313-84-55770
*	Panaretos	Chris	313-24-88337	V-Engine	Proj. Mgt. Analyst	Proj. Solution	POEE	cpanaret@ford.com	313-32-29285
*	Plante	Paul	313-84-54138	V-Engine	Campaign Manager	Ford	POEE	pplante@ford.com	
*	Verner	Carol	313-39-07180	V-Engine	FMEI Engineer	Ford	POEE	cverner@ford.com	313-39-04084
	Albrecht	Gurthier	313-32-23153	V-Engine	Service Engineer	Ford	POEE	calbrech@ford.com	313-82-14367
	Bansek	Catherine	313-32-38101	V-Engine	FMEI CPMT Eng./WEAs concerns	Ford	POEE	cbansek2@ford.com	313-39-04084
	Johnson	Joe	313-84-58292	V-Engine	FMEI Section Supv.	Ford	POEE	johanson@ford.com	313-39-04084
	Kerezi	Karen	313-20-63387	V-Engine	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com	313-84-53169
	Koczewnik	John	313-32-28873	V-Engine	Chief Engineer	Ford	POEE	jkoczewn@ford.com	
*	Awad	Mahmoud	313-24-83868	Quality Office	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com	313-39-02315
*	Schieding	Kurt	313-32-25449	Quality Office	Reliability Supervisor	Ford	POEE	kschiedl@ford.com	313-39-02314
*	Nielsen	Chris	734-26-89888	Purchasing	Service Buyer	Ford	FCSD	cnlense4@ford.com	
*	Smythe	Joe	313-82-12895	Purchasing	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com	313-53-72804
	McCarty	Bill	313-59-41031	Purchasing	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-59-44875
	White-Johnson	Patrice	313-39-04409	Purchasing	STA Site Manager	Ford	AVTS	pwhitej@ford.com	313-33-92804
	Audler	Jim	313-32-36783	PTSE	Chief Engineer	Ford	POEE	jaudler@ford.com	
*	Arnold	Ken	313-24-84178	PT Elec Appl	4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com	313-32-36743
*	Perry	Brian	313-39-04170	PT Elec Appl	2.0L Zetec Focus/Escape Supv.	Ford	POEE	bperry@ford.com	313-39-03830
	Deeb	Joe	313-84-58003	PT Elec Appl	3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com	313-39-03830
	Pascany	Ken	313-24-84889	PT Elec Appl	PT Electronics Engineer	Ford	POEE	kpascany@ford.com	
	Sebold	Lynn	313-24-84720	PT Elec Appl	PT Electronics Engineer	Ford	POEE	lsebold@ford.com	
	Jahshan	John	734-886-2759	PCSE	PCSE Applications Engineer	Visteon	POEE	jlahshan@visteon.com	
	Trujillo	Tom	313-32-38285	OGC	Lawyer	Ford	PDC	ttrull2@ford.com	79257
	Bronni	Mark	313-24-84509	Motorola	On-Site Rep.	Motorola	POEE	mbronni@ford.com	313-39-04084
*	Akins	Mary	313-24-81989	Kavlico	On-Site Rep.	Kavlico	POEE	mkins@ford.com	313-39-04084
*	Ayers	Don	805-523-2000	Kavlico	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com	805-523-8475
	Davies	Brady	805-523-2000	Kavlico	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com	805-523-7128

**2000-2002 Kavlico TM dPFE Sensor
Team Roster by Org./Department**

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
	Park	Kyong	805-523-2000	Kavlico	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com	805-523-7125
	Tamashiro	Terry	805-523-2000	Kavlico	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com	805-523-7125
	* Freeland	Mark	313-59-47845	FRL	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com	313-62-10346
	Hangas	Jon	313-23-31068	FRL	Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com	
	Giordano	Mike	313-32-20925	Focus	C&P Supervisor	Ford	VPC	mgiorda1@ford.com	
	Kunde	Olef	313-20-85830	Focus	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com	313-24-82826
	Popoff	Dan	313-24-88603	Focus	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com	
	Bereuder	Lee	313-84-50881	FCSD	FQE Supervisor	Ford	TWGTDR	lbereude@ford.com	
	Bissl	Gerry	313-24-86280	FCSD	ECI Supervisor	Ford	TWCTDR	gbissl@ford.com	
	Mutar	Doreen	313-248-8381	FCSD	Recall Analyst	Ford	FCSD	dmutar@ford.com	
	Shore	John	734-26-89789	FCSD	PS&L Recall Mgr./Parts costs & buy	Ford	FCSD	jshore@ford.com	734-26-81188
	Williamson	Rick	313-24-85348	FCSD	ECI Prod.Con.Anal.	Ford	FCSD	rwll110@ford.com	
	Masura	Gordon	313-32-28862	EPRC	Leader	Ford	FPB4	gmasura@ford.com	
	Oswalt	Greg	313-38-01160	EPRC	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com	313-59-47470
	* Alles	Sheran	313-59-40553	EESE	AVT Wiring Specialist	Ford	AVT5	salles@ford.com	313-84-53804
	* Rossi	Robert	313-84-51438	EESE	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrossi1@ford.com	
	Doupleas	Jim	313-33-72855	EESE	Vehicle Environmental Engineering	Ford	FPB4	jdouplea@ford.com	
	Wilson	Cary	313-38-02852	EESE	Chief Engineer	Ford	AVT5	cwilson32@ford.com	
	Kapp	Dan	313-33-78554	CAPE	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com	
	Raquepau	Al	313-24-84329	APTE	PT GPS	Ford	APTE	araqepa1@ford.com	313-24-88884

**2000-2002 Kavlico TM dPFE Sensor
Team Roster by Name**

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG/Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
*	Akina	Mary	313-24-81889	Kavlico	On-Site Rep.	Kavlico	POEE	makins@ford.com	313-39-04084
	Albrecht	Gunther	313-32-23163	V-Engine	Service Engineer	Ford	POEE	caalbrech@ford.com	313-62-14367
*	Alles	Sheran	313-69-40653	EESE	AVT Wiring Specialist	Ford	AVT5	salles@ford.com	313-84-53804
*	Arnold	Kan	313-24-84178	PT Elec Appl	4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com	313-32-38743
	Auiler	Jim	313-32-38783	PTSE	Chief Engineer	Ford	POEE	jaulier@ford.com	
*	Awad	Mahmoud	313-24-83889	Quality Office	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com	313-39-02315
*	Ayers	Don	805-523-2000	Kavlico	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com	805-523-8476
	Banasak	Catherine	313-32-38101	V-Engine	FMEI CPMT Eng./WERs concerns	Ford	POEE	cbanasak2@ford.com	313-39-04084
	Bersuder	Lee	313-84-50881	FCSD	FCE Supervisor	Ford	TWCTDR	lbersude@ford.com	
	Blessi	Gerry	313-24-86280	FCSD	ECI Supervisor	Ford	TWCTDR	gblessi@ford.com	
	Bronni	Mark	313-24-84509	Motorola	On-Site Rep.	Motorola	POEE	mbronni@ford.com	313-39-04084
	Davies	Brady	805-523-2000	Kavlico	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com	805-523-7125
	Deeb	Joe	313-84-66003	PT Elec Appl	3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com	313-39-03830
	Douglas	Jim	313-33-72855	EESE	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com	
*	Freeland	Mark	313-69-47845	FRL	6-Sigma Black Belt	Ford	FRL	mrfreela1@ford.com	313-62-10346
*	Gates	Freeman	313-32-24807	V-Engine	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com	313-39-04084
	Giordano	Mike	313-32-20925	Focus	C&P Supervisor	Ford	VPC	mgiordano1@ford.com	
	Hargas	Jon	313-23-31069	FRL	Scan Elec Microscope-Expert	Ford	FRL	jhargas@ford.com	
	Jahshan	John	734-666-2759	PCSE	PCSE Applications Engineer	Visteon	POEE	jjahshan@visteon.com	
	Johnson	Joe	313-84-68292	V-Engine	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com	313-39-04084
	Kepp	Dan	313-33-76654	CAPE	AVT Chief Engineer	Ford	POEE	dkepp1@ford.com	
	Kerazi	Karen	313-20-63387	V-Engine	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com	313-84-53189
	Kozewnik	John	313-32-28873	V-Engine	Chief Engineer	Ford	POEE	jkozewn@ford.com	
	Kunda	Olef	313-20-66930	Focus	PT Focus Program Mgr.	Ford	VPC	okunda1@ford.com	313-24-82528
	Maaura	Gordon	313-32-29662	EPRC	Leader	Ford	FPB4	gmaaura@ford.com	
	McCarty	Bill	313-69-41031	Purchasing	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-69-44875
	Muter	Doreen	313-248-8381	FCSD	Recall Analyst	Ford	FCSD	dmuter@ford.com	
*	Nielsen	Chris	734-26-88886	Purchasing	Service Buyer	Ford	FCSD	cnelsen4@ford.com	
*	O'Neal	Jim		V-Engine	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com	313-39-04084

2000-2002 Kavlico TM dPFE Sensor
Team Roster by Name

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
	Oswalt	Greg	313-39-01180	EPRC	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com	313-59-47470
*	Owens	Karen	313-84-55770	V-Engine	FMEI Supervisor	Ford	POEE	kowens@ford.com	313-84-55770
*	Panaretos	Chris	313-24-88337	V-Engine	Proj. Mgt. Analyst	Proj. Solution	POEE	cpanaret@ford.com	313-32-29265
	Park	Kyong	805-523-2000	Kavlico	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com	805-523-7125
	Pascary	Ken	313-24-84669		PT Electronics Engineer	Ford	POEE	kpascary@ford.com	
*	Perry	Brian	313-39-04170	PT Elec Appl	2.0L Zetec Focus/Escorte Supv.	Ford	POEE	bperry@ford.com	313-39-03630
*	Plante	Paul	313-84-54138	V-Engine	Campaign Manager	Ford	POEE	pplante@ford.com	
	Popoff	Dan	313-24-88603	Focus	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com	
	Raquapau	Al	313-24-84329	APTE	PT CPS	Ford	APTE	araqaup1@ford.com	313-24-89884
*	Rosal	Robert	313-84-81436	EESE	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrosal1@ford.com	
*	Schleding	Kurt	313-32-25449	Quality Office	Reliability Supervisor	Ford	POEE	kschledi@ford.com	313-39-02314
	Sebold	Lynn	313-24-84720		PT Electronics Engineer	Ford	POEE	lsebold@ford.com	
	Shore	John	734-26-68789	FCSD	PS&L Recall Mgr./Parts costs & buy	Ford	FCSD	jshore@ford.com	734-26-61166
*	Smythe	Joe	313-82-12985	Purchasing	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com	313-33-72804
	Tamashiro	Terry	805-523-2000	Kavlico	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com	805-523-7125
	Trujillo	Tom	313-32-36265	OGC	Lawyer	Ford	PDC	ttrujil2@ford.com	78257
*	Verner	Carol	313-39-07180	V-Engine	FMEI Engineer	Ford	POEE	cverner@ford.com	313-39-04084
	White-Johnson	Patrice	313-39-04408	Purchasing	STA Site Manager	Ford	AVTS	pwhite@ford.com	313-33-92804
	Williamson	Rick	313-24-88348	FCSD	ECl Prod. Con. Anal.	Ford	FCSD	rwill110@ford.com	
	Wilson	Gary	313-39-02852	EESE	Chief Engineer	Ford	AVTS	gwilson32@ford.com	

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Panaretos, Christine (C.M.)

Distribution List Name: Kavlico TM dPFE Sensor

Members:

Akins, Mary (M.)	makina@ford.com
Albrecht, Guenter (G.K.)	galbrech@ford.com
Alles, Sheran (S.A.)	salles@ford.com
Arnold, Kenneth (K.M.)	karnold@ford.com
Auller, Jim (J.E.)	jaulier@ford.com
Awad, Mahmoud (M.I.)	mawad@ford.com
Ayers, Don	dayers@kavlico.com
Bansek, Catherine (C.K.)	cbansek2@ford.com
Bersuder, Lee (L.C.)	lbersude@ford.com
Bissi, Gerry (G.)	gbissi@ford.com
Bronni, Mark (M.J.)	mbronni@ford.com
Davies, Brady	bdavies@kavlico.com
Deeb, Joe (J.S.)	jdeeb@ford.com
Douglass, Jim (J.B.)	jdouglas@ford.com
Freeland, Mark (M.)	mfreela1@ford.com
Gates, Freeman (F.C.)	fgates@ford.com
Giordano, Mike (M.A.)	mgiora1@ford.com
Hargas, Jon (.)	jhargas@ford.com
Jahahan, John	jjahahan@vistaon.com
Johnson, Joe (J.H.)	jjohnson@ford.com
Kapp, Dan (Daniel R.)	dkapp1@ford.com
Kerazi, Karan (K.J.)	dkerazi@ford.com
Koszewnik, John (J.J.)	jkoszewn@ford.com
Kunde, Olaf (O.)	okunde1@ford.com
Masura, Gordon (G.P.)	gmasura@ford.com
McCarty, Bill (W.D.)	wmccart1@ford.com
Muter, Doreen (D.J.)	dmuter@ford.com
Nielsen, Christian (C.A.)	cnliasa4@ford.com
O'Neill, Jim (J.D.)	joneill@ford.com
Oswalt, Greg (G.G.)	goswalt@ford.com
Owens, Karen (K.E.)	kowens@ford.com
Panaretos, Christine (C.M.)	cpanaret@ford.com
Park, Kyong	kpark@kavlico.com
Pascary, Ken (K.M.)	kpascary@ford.com
Perry, Brian (B.J.)	bperry@ford.com
Plante, Paul (P.G.)	pplante@ford.com
Popoff, Daniel (D.M.)	dpopoff@ford.com
Raquepau, Aiden (A.P.)	araqep1@ford.com
Rossi, Roberto (R.A.)	rossi1@ford.com
Schleding, Kurt (K.J.)	kcschled@ford.com
Sebold, Lynn (L.A.)	lsebold@ford.com
Shore, John (J.)	jshore@ford.com
Smythe, Joseph (J.M.)	jsmythe1@ford.com
Tamashiro, Terry	ttamashiro@kavlico.com
Trujillo, Thomas (T.G.)	ttrujil2@ford.com
Verner, Carol (C.J.)	cverner@ford.com
White-johnson, Patrice (P.)	pwhitejo@ford.com
Williamson, Richard (E.)	rwill110@ford.com
Wilson, Cary (C.A.)	cwilso32@ford.com

Panaretos, Christine (C.M.)

Distribution List Name: Kavlico dPFE Sensor Core Team

Members:

Akins, Mary (M.)	makins@ford.com
Ailes, Sheran (S.A.)	sailes@ford.com
Arnold, Kenneth (K.M.)	karnold@ford.com
Awad, Mahmoud (M.I.)	mawad@ford.com
Ayers, Don	dayers@kavlico.com
Freeland, Mark (M.)	mrfreela1@ford.com
Gates, Freeman (F.C.)	fgates@ford.com
Nielsen, Christian (C.A.)	cnlense4@ford.com
O'Neill, Jim (J.D.)	joneal@ford.com
Owens, Karen (K.E.)	kowens@ford.com
Panaretos, Christine (C.M.)	cpanaret@ford.com
Perry, Brian (B.J.)	bperry@ford.com
Plante, Paul (P.G.)	pplante@ford.com
Ross, Roberto (R.A.)	rross1@ford.com
Schieding, Kurt (K.J.)	kschied1@ford.com
Smythe, Joseph (J.M.)	jsmythe1@ford.com
Verner, Carol (C.J.)	cverner@ford.com

**2000-2002 Kavlico TM dPFE Sensor
Team Roster by Organization/Department**

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG/Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
*	Gates	Freeman	313-32-24907	V-Engine	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com	313-38-04084
*	Owens	Karen	313-84-55770	V-Engine	FMEI Supervisor	Ford	POEE	kowens@ford.com	313-84-55770
*	Panaretos	Chris	313-24-88337	V-Engine	Proj. Mgt. Analyst	Prof. Solution	POEE	cpanaret@ford.com	313-32-28265
*	Plante	Paul	313-84-84138	V-Engine	Campaign Manager	Ford	POEE	pplante@ford.com	
*	Verner	Carol	313-39-07180	V-Engine	FMEI Engineer	Ford	POEE	cverner@ford.com	313-39-04084
	Albrecht	Gunther	313-32-23153	V-Engine	Service Engineer	Ford	POEE	galbrech@ford.com	313-82-14387
	Bansek	Catherine	313-32-38101	V-Engine	FMEI CPMT Eng./WERs concerns	Ford	POEE	cbansek2@ford.com	313-39-04084
	Johnson	Joe	313-84-58292	V-Engine	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com	313-39-04084
	Kerezi	Karen	313-20-83387	V-Engine	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com	313-84-53169
*	O'Neill	Jim		V-Engine	FMEI Dept. Mgr.	Ford	POEE	jonell@ford.com	313-39-04084
*	Awad	Mahmoud	313-24-83889	Quality Office	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com	313-39-02315
*	Schieding	Kurt	313-32-25449	Quality Office	Reliability Supervisor	Ford	POEE	kschied@ford.com	313-39-02314
*	Smythe	Joe	313-62-12895	Purchasing	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com	313-33-72804
	McCarty	Bill	313-59-41081	Purchasing	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-59-44875
	Nielsen	Chris	734-28-89888	Purchasing	Service Buyer	Ford	PCSD	cnislen4@ford.com	
	White-Johnson	Patrice	313-39-04409	Purchasing	STA Site Manager	Ford	AVTS	pwhite@ford.com	313-33-82804
*	Arnold	Ken	313-24-84178	PT Elec Appl	4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com	313-32-36743
	Deeb	Joe	313-84-55003	PT Elec Appl	3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com	313-39-03830
	Perry	Brian	313-39-04170	PT Elec Appl	2.0L Zetec Focus/Escape Supv.	Ford	POEE	bperry@ford.com	313-39-03830
	Auller	Jim	313-32-38763	PTSE	Chief Engineer	Ford	POEE	jauller@ford.com	
	Kapp	Dan	313-33-76554	CAPE	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com	
	Bronni	Mark	313-24-84509	Motorola	On-Site Rep.	Motorola	POEE	mbronni@ford.com	313-39-04084
*	Aldna	Mary	313-24-81989	Kavlico	On-Site Rep.	Kavlico	POEE	maldna@ford.com	313-39-04084
*	Ayers	Don	805-523-2000	Kavlico	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com	805-523-8475
	Davies	Brady	805-523-2000	Kavlico	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com	805-523-7125
	Park	Kyong	805-523-2000	Kavlico	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com	805-523-7125
	Tamaahiro	Terry	805-523-2000	Kavlico	Warranty Analysis	Kavlico	CA	ttamaahiro@kavlico.com	805-523-7125
*	Freeland	Mark	313-59-47648	FRL	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com	313-62-10348
	Giordano	Mike	313-32-20925	Focus	C&P Supervisor	Ford	VPC	mgiorda1@ford.com	

created: 12/11/01

**2000-2002 Kavlico TM dPFE Sensor
Team Roster by Organization/Department**

Revision Date: 1/10/02

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
	Kunde	Olaf	313-20-65030	Focus	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com	313-24-82526
	Popoff	Dan	313-24-86603	Focus	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com	
	Balint	Gary	313-33-72790	FCSD	Recall Program Manager	Ford	DSCII	gbalint@ford.com	
	Bersuder	Lee	313-84-50661	FCSD	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com	
	Bless	Gerry	313-24-88260	FCSD	ECI Supervisor	Ford	TWCTDR	gbless@ford.com	
	Muter	Doreen	313-248-9391	FCSD	Recall Analyst	Ford	FCSD	dmuter@ford.com	
	Shore	John	734-28-89789	FCSD	PS&L Recall Mgr.	Ford	FCSD	lshore@ford.com	734-28-81168
	Williamson	Rick	313-24-88348	FCSD	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com	
	Masura	Gordon	313-32-29662	EPRC	Leader	Ford	FPB4	gmasura@ford.com	
	Oswalt	Grag	313-39-01160	EPRC	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com	313-59-47470
*	Alice	Sheran	313-59-40553	EESE	AVT Wiring Specialist	Ford	AVT5	salice@ford.com	313-84-83604
*	Rossel	Robert	313-84-31436	EESE	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrossel1@ford.com	
	Wilson	Cary	313-39-02662	EESE	Chief Engineer	Ford	AVT5	cwilso32@ford.com	

ENG2-827-D 5493

Panaretos, Christine (C.M.)

Distribution List Name: Kevlco dPFE Sensor Core Team

Members:

Akins, Mary (M.)	makins@ford.com
Allea, Sheran (S.A.)	salles@ford.com
Arnold, Kenneth (K.M.)	karnold@ford.com
Awad, Mahmoud (M.I.)	mawad@ford.com
Ayers, Don	dayers@kavlico.com
Freeland, Mark (M.)	mfreela1@ford.com
Gates, Freeman (F.C.)	fgates@ford.com
O'Neill, Jim (J.D.)	joneal1@ford.com
Owens, Karan (K.E.)	kowens@ford.com
Panaretos, Christine (C.M.)	cpanaret@ford.com
Plante, Paul (P.G.)	pplante@ford.com
Rosal, Roberto (R.A.)	rrosal1@ford.com
Schladtng, Kurt (K.J.)	kachiedi@ford.com
Smythe, Joseph (J.M.)	jsmythe1@ford.com
Verner, Carol (C.J.)	cverner@ford.com

Panaretos, Christine (C.M.)

Distribution List Name: Kavlico TM dPFE Sensor

Members:

Akins, Mary (M.)	makins@ford.com
Albrecht, Guenter (G.K.)	galbrech@ford.com
Alles, Sheran (S.A.)	sales@ford.com
Arnold, Kenneth (K.M.)	karnold@ford.com
Auller, Jim (J.E.)	jauller@ford.com
Awad, Mahmoud (M.I.)	mawad@ford.com
Ayers, Don	dayers@kavlico.com
Balint, Gary (G.S.)	gbalint@ford.com
Banasik, Catherine (C.K.)	obanasik2@ford.com
Bersuder, Lee (L.G.)	lbersude@ford.com
Bleal, Gerry (G.)	gbleal@ford.com
Bronni, Mark (M.J.)	mbronni@ford.com
Davies, Brady	bdavies@kavlico.com
Deeb, Joe (J.S.)	jdeeb@ford.com
Freeland, Mark (M.)	mfreel1@ford.com
Gates, Freeman (F.C.)	fgates@ford.com
Glondano, Mike (M.A.)	mglonda1@ford.com
Johnson, Joe (J.H.)	jjohnson@ford.com
Kepp, Dan (Daniel R.)	dkepp1@ford.com
Kerezi, Karen (K.J.)	kkerezi@ford.com
Kunde, Olaf (O.)	okunde1@ford.com
Masura, Gordon (G.P.)	gmatura@ford.com
McCarty, Bill (W.D.)	wmccart1@ford.com
McLellan, Christian (C.A.)	cmcllea4@ford.com
O'Neill, Jim (J.D.)	joneall@ford.com
Oswalt, Greg (G.G.)	goswalt@ford.com
Owens, Karen (K.E.)	kowens@ford.com
Panaretos, Christine (C.M.)	cpanaret@ford.com
Park, Kyong	kpark@kavlico.com
Perry, Brian (B.J.)	bperry@ford.com
Plante, Paul (P.G.)	pplante@ford.com
Popoff, Daniel (D.M.)	dpopoff@ford.com
Rossi, Roberto (R.A.)	rrossi1@ford.com
Schleding, Kurt (K.J.)	kschled1@ford.com
Shore, John (J.)	jshore@ford.com
Smythe, Joseph (J.M.)	jsmythe1@ford.com
Tamashiro, Terry	ttamashiro@kavlico.com
Verner, Carol (C.J.)	cverner@ford.com
White-johnson, Patrice (P.)	pwhitejo@ford.com
Williamson, Richard (E.)	rwill10@ford.com
Wilson, Cary (C.A.)	cwillco32@ford.com

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Monday, December 17, 2001 3:09 PM
To: Akno, Mery (M.); Albrecht, Guenter (G.K.); Aulter, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Balint, Gary (G.S.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Biasi, Garry (G.); Bronni, Mark (M.J.); Davies, Brady; Freeland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerez, Karen (K.J.); Kunda, Olaf (O.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Oswald, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Plants, Paul (P.G.); Popoff, Daniel (D.M.); Rosal, Roberto (R.A.); Schefding, Kurt (K.J.); Shors, John (J.); Smythe, Joseph (J.M.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: FW: 00/01/02 Kavliko dPFE TM Sensor Issue-Team Info

Chris Panaretos

**Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29265**

—Original Message—

From: Plants, Paul (P.G.)
Sent: Monday, December 17, 2001 3:05 PM
To: Panaretos, Christine (C.M.)
Subject: 00/01/02 Kavliko dPFE TM Sensor Issue-Team Info

Chris please send to entire team roster distribution.

You are listed on the roster for the issue resolution team. There is a smaller core working group that meets weekly, Tuesday and Thursday from 1:00-3:00PM, POEE building. Each of you will be making contributions that help resolve this issue. I am currently facilitating a solution as part of my CPS function. Karen Owens is the overall leader of the group. I would ask that you channel all future work thru this team for efficient resolution of this issue. You are welcome to attend the meetings, and may be requested to attend if you have required information. This issue will be tracked thru the EPRC on number 01EPRC32. Attached is a one page summary overview of the issue. Also a 14D is available on a need to know basis, but has not yet been formally presented, so will not be widely distributed. Thanks in advance for your assistance.



**Paul Plants
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube 8G049, Plllar D5
Tele. 313-84-64138; Fax 39-02513
Text Pager: 734-296-1905
E Mail: pplante@ford.com (CDS ID PPLANTE)**

2000-2002 Kavlico IM dPFE Sensor
 Roster

Please:

- Initial the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

Initial for attendance	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
	Aigna	Mary	313-24-81689	Kavlico On-Site Rep.	Kavlico	POEE	makina@ford.com	313-39-0-4084
	Abrecht	Gunther	313-82-23153	V-Engine Svc. Eng.	Ford	POEE	gabrecht@ford.com	313-621-4367
	Auler	Jim	313-82-38763	PTSE Chief Engineer	Ford	POEE	jauler@ford.com	
	Awad	Mahmoud	734-58-25815	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com	313-39-0-2315
	Ayers	Don	805-523-2000	Kavlico Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com	805-523-8475
	Balint	Gary	313-33-72790	FCSD	Ford	DSCII	gbalint@ford.com	
	Bansak	Catherine	313-32-38101	FMEI CPMT Eng./WERs concerns	Ford	POEE	cbansak2@ford.com	313-39-0-4084
	Bisal	Gerry	313-24-86280	FCSD ECI Supervisor	Ford	TWCTDR	gbisal@ford.com	
	Broni	Mark	313-24-84509	Motorola Rep.	Motorola	POEE	mbron1@ford.com	313-39-0-4084
	Bersuder	Lee	313-84-60881	FCSD POE Supervisor	Ford	TWCTDR	lbersud1@ford.com	
	Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com	805-523-7125
	Freeland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com	313-821-0348
	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com	313-39-0-4084
	Giordano	Mike	313-82-20925	Focus C&P Supervisor	Ford	VPC	mgiorde1@ford.com	
	Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	johson@ford.com	313-39-0-4084
	Kapp	Dan	313-33-78554	PTSE AVT Chief Engineer	Ford	POEE	dkapp1@ford.com	
	Kerezi	Karen	313-20-83987	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com	313-845-3189
	Kunde	Olaf	313-20-85830	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com	313-248-2526
	Masura	Gordon	313-32-29882	EPRC Leader	Ford	FPB4	gmasura@ford.com	
	McCarty	Bill	313-69-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-894-4875
	Nielsen	Chris	734-26-88888	Service Buyer	Ford	FCSD	cnleisa4@ford.com	
	O'Neil	Jim		FMEI Dept. Mgr.	Ford	POEE	jonell3@ford.com	313-39-0-4084
	Orwalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	gorwalt@ford.com	313-694-7470
	Owens	Karen	313-84-85770	FMEI Supervisor	Ford	POEE	kowana@ford.com	313-845-5770
	Paranicos	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cparanico@ford.com	313-322-9265
	Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com	805-523-7125
	Piante	Paul	313-84-54138	Campaign Manager	Ford	POEE	ppiante@ford.com	

create: 12/11/01
 revised: 12/14/01

2000-2002 Kavfo M dPFE Sensor
 Roster

12/14/01

Please:								
- Initial the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
Initial for attendance	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
	Popoff	Dan	313-24-88603	Focus C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com	
	Rosai	Roberto	313-84-51436	EESE Wiring CPS	Ford	Bldg. #1	rrosai1@ford.com	
	Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschled@ford.com	313-39-0-2314
	Shore	John	734-26-69769	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com	734-266-1166
	Smythe	Joe	313-62-12995	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com	313-337-2804
	Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com	313-39-0-4064
	White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhite@ford.com	313-339-2804
	Williamson	Rick	313-24-88348	ECl Prod.Con.Anal	Ford	FCSD	rwill110@ford.com	
	Wilson	Cary	313-39-02852	EESE Chief Engineer	Ford	AVTS	carleo32@ford.com	

8902-027-D 5406

14D: Kavlico TM-dPFE (9J460) Sensor Roster

<u>Name:</u>	<u>CDSID</u> <u>@ford.com</u>	<u>Role</u>	<u>Phone</u> <u>(313)</u>	<u>Fax</u> <u>(313)</u>	<u>Department</u>	<u>Time Allotted</u>
Ken Klostermeyer	kkoster	FMEI Department Manager	322-6839	390-4084	FMEI	
Karen Owens	kowens	Supervisor	845-5770	390-4084	FMEI	100%
Mark Freehand	mfreea1	Six Sigma Black Belt (FRL)	594-7845	621-0648	FRL	100%
Carol Verner	cverner	FMEI Engineer	390-7180	390-4084	FMEI	100%
Kurt Schleding	kschled1	Reliability Integration Group-Supervisor	322-5449	390-2314	RIE	
Mahmoud Awad	mawad	Reliability Integration Engineer	(734) 582-5815	390-2315	RIE	
Cathy Banek	cbanek2	CMPT Engineer	323-8101	390-4084	FMEI	10-15%
Freeman Gates	fgates	Technical Specialist (FMEI)	322-4807	390-4084	FMEI	As Needed
Karen Kerazi	kkerazi	AWS Analyst (FMEI)	206-3387	845-3169	FMEI	As Needed
Mary Akins	makins	Kavlico Representative	248-1989	390-4084		100%
CELL: 810-942-9806						
Joe Johnson	jjohnson	Section Supervisor	845-8292	390-4084	FMEI	
Mark Bronn	mbronn	Motorola Representative	248-4509	390-4084	FMEI	
Lawdan Ehsani	lehsani	Six Sigma Black Belt (4.0L)	594-4881	390-2513	V-Engine:	
Joe Smythe	jsmythe	STA Engineer	621-2995	337-2804	4.0L STA	75%
Patrice						
White-Johnson	pwhitejo	STA Site Manager	390-4409	338-2804	STA	
Marc Kaminski	mkaminsk	Consumer Driven Six Sigma Blackbelt	337-9577	390-4084	FMEI	
Bill McCarty	wmccart1	Production Buyer	594-1031	594-4875	Purchasing Service	
Gunther Albrecht	galbrech	V-Engine Service Engineer	322-3153	821-4367	V-Engine	
Chris Nielsen	cniese4	Service Buyer	(734) 266-9886	FCSD	FCSD	
Mitch Mandell	mmardell	CCRG Manager (I-4 Engine)	International: 44-1288-405958	International: 44-1288-405818	FCSD	
Olaf Kunde	okunde1	Program Manager: Focus	206-5930	248-2626	Focus Team	
Rick Williamson	rwill110	ECI Product Concern Analyst	248-6348	FCSD	FCSD	
John Shore	jshore	P&L Recall Manager	(734) 266-9789	(734) 266-1166	FCSD	
Greg Oswalt	goswalt	Critical Concerns Manager (Truck)	390-1180	594-7470	FCSD	
Chris Panaretos	cpanaret	Team PMA	248.9337	322.9285	VEE	

Originator: Carol Verner/cverner
14D kavlico original roster.xls

14D: Kavlico TM-dPFE (9J460) Sensor Roster

<u>Name:</u>	<u>CDSID</u> <u>@ford.com</u>	<u>Role</u>	<u>Phone</u> <u>(313)</u>	<u>Fax</u> <u>(313)</u>	<u>Department</u>	<u>Time Allotted</u>
Ken Klostermeyer	kkloster	FMEI Department Manager	322-6839	390-4084	FMEI	
Karen Owens	kowens	Supervisor	845-5770	390-4084	FMEI	100%
Mark Freeland	mfrsela1	Six Sigma Black Belt (FRL)	594-7845	621-0646	FRL	100%
Carol Verner	cverner	FMEI Engineer	390-7160	390-4084	FMEI	100%
Kurt Schlieding	kschiedi	Reliability Integration Group-Supervisor	322-5449	390-2314	RIE	
Mahmoud Awad	mawad	Reliability Integration Engineer	(734) 582-5815	390-2315	RIE	
Cathy Bansek	cbansek2	CMPT Engineer	323-8101	390-4084	FMEI	10-15%
Freeman Gates	fgates	Technical Specialist (FMEI)	322-4807	390-4084	FMEI	As Needed
Karen Kerezl	kkerezl	AWS Analyst (FMEI)	206-3367	845-3169	FMEI	As Needed
Mary Akins	makins	Kavlico Representative	248-1999	390-4084		100%
CELL: 810-842-9606						
Joe Johnson	jjohnson	Section Supervisor	845-8292	390-4084	FMEI	
Mark Bronni	mbronni	Motorola Representative	248-4509	390-4084	FMEI	
Lawdan Ehsani	lehsani	Six Sigma Black Belt (4.0L)	594-4681	390-2513	V-Engine: 4.0L	
Joe Smythe	jsmythe	STA Engineer	621-2995	337-2804	STA	75%
Patrice						
White-Johnson	pwhitejo	STA Site Manager	390-4409	339-2804	STA	
Marci Kaminski	mkaminsk	Consumer Driven Six Sigma Blackbelt	337-9577	390-4084	FMEI	
Bill McCarty	wmccart1	Production Buyer	594-1031	594-4875	Purchasing Service	
Gunther Albrecht	galbrech	V-Engine Service Engineer	322-3153	621-4367	V-Engine	
Chris Nielsen	cnialae4	Service Buyer	(734) 266-9886	FCSD	FCSD	
Mitch Mardell	mmardell	CCRG Manager (I-4 Engine)	International: 44-1268-405958	International: 44-1268-405818	FCSD	
Olaf Kunde	okunde1	Program Manager: Focus	206-5950	248-2528	Focus Team	
Rick Williamson	rwill110	ECI Product Concern Analyst	248-6348	FCSD	FCSD	
John Shore	jshore	PS&L Recall Manager	(734) 266-9789	(734) 266-1168	FCSD	
Greg Oswalt	goswalt	Critical Concerns Manager (Truck)	390-1160	594-7470	FCSD	
Chris Panaretos	cpanaret	Team PMA	248.9337	322.9265	VEE	

Originator: Carol Vernerovens:
14D kavlico tm-dpfe roster.xls

Page 1 of 1

Date Issued: November 27, 2001
Date Revised: 12/11/01

14D: Kavlico TM-dPFE (9J460) Sensor Roster

<u>Name:</u>	<u>CDSID</u> <u>@ford.com</u>	<u>Role</u>	<u>Phone</u> <u>(313)</u>	<u>Fax</u> <u>(313)</u>	<u>Department</u>	<u>Time Allotted</u>
Ken Klostermeyer	kkloster	FMEI Department Manager	322-8839	390-4084	FMEI	
Karen Owens	kowens	Supervisor	845-5770	390-4084	FMEI	100%
Mark Freeland	mfreela1	Six Sigma Black Belt (FRL)	594-7845	621-0648	FRL	100%
Carol Verner	cverner	FMEI Engineer	390-7180	390-4084	FMEI	100%
Kurt Schleding	kchedi	Reliability Integration Group-Supervisor	322-5449	390-2314	RIE	
Mahmoud Awad	mawad	Reliability Integration Engineer	(734) 582-5815	390-2315	RIE	
Cathy Bansek	cbansek2	CMPT Engineer	323-8101	390-4084	FMEI	10-15%
Freeman Gates	fgates	Technical Specialist (FMEI)	322-4807	390-4084	FMEI	As Needed
Karen Kerezi	kkerezi	AWS Analyst (FMEI)	208-5387	845-3189	FMEI	As Needed
Mary Aktns	maktns	Kavlico Representative	248-1889	390-4084		100%
CELL: 810-942-9808						
Joe Johnson	jjohnson	Section Supervisor	845-8282	390-4084	FMEI	
Mark Bronni	mbronni	Motorola Representative	248-4509	390-4084	FMEI	
Lawden Ehsani	lehsani	Six Sigma Black Belt (4.0L)	594-4881	390-2513	V-Engine: 4.0L	
Joe Smythe	jsmythe	STA Engineer	621-2995	397-2804	STA	75%
Patrice						
Whita-Johnson	pwhitejo	STA Site Manager	390-4409	339-2804	STA	
Marci Kaminski	mkaminsk	Consumer Driven Six Sigma Blackbelt	337-9677	390-4084	FMEI	
Bill McCarty	wmccart1	Production Buyer	594-1031	594-4875	Purchasing Service	
Gunther Albrecht	galbrech	V-Engine Service Engineer	322-3159	821-4367	V-Engine	
Chris Nielsen	cnleiae4	Service Buyer	(734) 266-9880	FCSD	FCSD	
Mitch Mandell	mmardell	CCRG Manager (I-4 Engine)	International: 44-1268-405958	International: 44-1268-405618	FCSD	
Olaf Kunde	okunde1	Program Manager: Focus	208-5930	248-2528	Focus Team	
Tom Patch	tpatch	Resident Engineer Focus (WAP)	(734) 487-0111	Not Listed	Focus Team	
Rlok Williamson	rwill110	ECI Product Concern Analyst	248-6348	FCSD	FCSD	
John Shore	jsshore	PS&L Recall Manager	(734) 266-9789	(734) 266-1168	FCSD	
Greg Oswalt	goewalt	Critical Concerns Manager	390-1180	594-7470	FCSD	

E982-027-D 5282

Originator: Carol Verner/cverner
14D kavlico tm-dpfe roster.xls

EN62-027-D 5803

7/25/02

created: 08/04/02
 revised:

2000-2002 Kevlco™ dPFE Sensor
 Core Team Meeting
 FMEI - D198

Meeting Date: 1-25-02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If you name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81989	On-Site Rep.	Kevlco	POEE	makins@ford.com
		Alcoler	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	sakolker@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
*		Alles	Sharan	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVT6	salles@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-32-39763	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-83989	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
*		Ayers	Dan	805-523-2050	Program Manager/Technical Leader	Kevlco	CA	dayers@kavlico.com
		Bansek	Catherine	313-32-98191	FMEI CPMT Eng./WERA concerns	Ford	POEE	cbansek2@ford.com
		Bersuder	Lee	313-84-50981	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Btsel	Garry	313-24-86280	ECI Supervisor	Ford	TWCTDR	gbtsel@ford.com
		Bronni	Mark	313-24-84508	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Dames	Adam	313-32-28886	Master Black Belt	Ford	POEE	edames@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kevlco	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-56003	PT Elec Appl 3.0L 4V Esp/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72655	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
		Freeland	Mark	313-59-47846	6-Sigma Black Belt	Ford	FRL	mfreeland1@ford.com
		Galante	Chris	313-84-58067	4.6L OPD	Ford	POEE	cgalante@ford.com
	MA	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgiordano1@ford.com
		Hanges	Jon	313-23-31066	FRL Scan Elec Microscopes-Expert	Ford	FRL	lhanges@ford.com
		Jahshan	John	734-886-2769	PCSE Applications Engineer	Visteon	POEE	jjahshan@visteon.com
	MA	Janda	Jon	313-24-82588	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kerezi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
		King	Lamar	313-59-41633	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozewnik	John	313-32-28973	Chief Engineer	Ford	POEE	kozewnik@ford.com

EPR2-027-D 5594

created: 06/04/02
revised:

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D186

Meeting Date: _____

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
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* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Olef	313-20-65930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29662	Leader	Ford	FPB4	omasura@ford.com
	JM	Maurer	Jim	313-39-03672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-6391	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nelson	Chris	734-26-68886	Service Buyer	Ford	FCSD	cnelson4@ford.com
		O'Neil	Jim	313-32-26839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
	WR	Poma	Amy	313-390-8849	Proj. Mgt. Analyst	Project Solutions	POEE	apoma2@ford.com
		Park	Kyong	805-623-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84869	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escapes S	Ford	POEE	bperry@ford.com
		Plante	Paul	313-64-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88803	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araqepau1@ford.com
		Reddy	Srikanth	313-39-08358	STA Site Engineer	Ford	PTE	sreddy7@ford.com
		Rosai	Robert	313-64-51436	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrosai1@ford.com
		Schieding	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschied1@ford.com
		Shore	John	734-26-69789	PSAL Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tameshiro	Terry	805-623-2000	Warranty Analysis	Kavlico	CA	tameshiro@kavlico.com
		Trujillo	Tam	313-32-36265	OGC Lawyer	Ford	PDC	trujil2@ford.com
		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		Williamson	Rick	313-24-86348	ECI Prod.Con.Anal.	Ford	FCSD	rwil110@ford.com

ERR2-07-0 5005

ERR2-027-D 5888

7/18/02

created: 06/04/02
revised:

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D196

Meeting Date: 11/18/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
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* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*		Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	mkins@ford.com
		Akolkar	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	sakolkar@ford.com
		Albrecht	Gunther	313-52-23153	Service Engineer	Ford	POEE	galbrech@ford.com
		Allee	Sheran	313-59-46553	EESE - AVT Wiring Specialist	Ford	AVT6	sallee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.0 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Aular	Jim	313-32-38763	Chief Engineer	Ford	POEE	jaular@ford.com
		Awad	Mahmoud	313-24-83869	Reliability Engineer/ Field Data Leader	Ford	POEE	manwad@ford.com
		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banaek	Catherine	313-32-38101	FMEI CPMT Eng./WEPs concerns	Ford	POEE	cbanaek2@ford.com
		Bersuder	Lee	313-84-50881	FOE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Bisai	Gerry	313-24-88260	ECI Supervisor	Ford	TWCTDR	gbisai@ford.com
		Bronni	Mark	313-24-84508	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	AD	Danea	Adam	313-32-28698	Master Black Belt	Ford	POEE	adanea@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-39-72665	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
		Freeland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-58067	4.6L OPD	Ford	POEE	cgalante@ford.com
		Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgiorda1@ford.com
		Hanges	Jon	313-23-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	jhanges@ford.com
		Jahshan	John	734-886-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
	JND	Janda	Jon	313-24-82569	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	johson@ford.com
		Kerezi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
		King	Lamar	313-59-41893	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Koszewnik	John	313-32-28973	Chief Engineer	Ford	POEE	jkoszewn@ford.com

EPM2-027-D 5598

created: 06/04/02
 revised:

2000-2002 Kavlico TM dPFE Senior
 Core Team Meeting
 FMEI - D1195

Meeting Date: _____

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Olef	313-20-85830	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-82-29562	Leader	Ford	FPB4	gmasura@ford.com
		Maurer	Jim	313-39-03572	Team Leader	Ford	POEE	jmaurer@ford.com
	JEM	McCarthy	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-8381	Recall Analyst	Ford	FCSD	dmuter@ford.com
	*	Nielsen	Chris	734-28-88888	Service Buyer	Ford	FCSD	cnelsen4@ford.com
	JPD	O'Neill	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
	AG	Poma	Amy	313-390-9849	Proj. Mgt. Analyst	Project Solutions	POEE	apoma2@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascany	Ken	313-24-84669	PT Electronics Engineer	Ford	POEE	kpascany@ford.com
	*	Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escapes S	Ford	POEE	bperry@ford.com
	///	Plante	Paul	313-84-64138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88803	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raguepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araguepau1@ford.com
		Reddy	Srikanth	313-39-03959	STA Site Engineer	Ford	PTE	sreddy7@ford.com
	*	Rossel	Robert	313-84-61438	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrossel1@ford.com
		Schieding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschiedi@ford.com
	*	Shore	John	734-26-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com
		Trujillo	Tom	313-32-36265	OGC Lawyer	Ford	PDC	ttrujil2@ford.com
		Vamer	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cvamer@ford.com
		Williamson	Rick	313-24-88348	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com

E002-027-D 0010

ENR2-027-0 5511

7/11/02

created: 06/04/02
revised:

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - 01199

Meeting Date: 7-11-02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
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* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*		Akna	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	maakna@ford.com
		Akolkar	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	saakolkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
*	SM	Allee	Sharan	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVTS	saallee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Aulier	Jim	313-32-35783	Chief Engineer	Ford	POEE	jaulier@ford.com
*		Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banasek	Catherine	313-32-38101	FMEI CPMT Eng./WEs concerns	Ford	POEE	cbanasek2@ford.com
		Berauder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lberaud@ford.com
		Biasi	Gerry	313-24-88280	ECl Supervisor	Ford	TWCTDR	gbiasi@ford.com
		Bronni	Mark	313-24-84609	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Danas	Adam	313-32-26898	Master Black Belt	Ford	POEE	adanas@ford.com
		Devos	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavos@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Eac/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
*	MP	Freeland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-59087	4.6L OPD	Ford	POEE	cgalante@ford.com
*	JK	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VFG	mgiorda1@ford.com
	JH	Hanges	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhanges@ford.com
		Jahshan	John	734-868-2759	PC9E Applications Engineer	Visteon	POEE	jahshan@visteon.com
	JS	Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	johson@ford.com
		Korazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkorazi@ford.com
		King	Lamar	313-59-41833	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozewnik	John	313-32-28973	Chief Engineer	Ford	POEE	kozewn@ford.com

EMZ-027-D 0012

created: 06/04/02
revised:

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D1186

Meeting Date: _____

Please:

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* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Olat	313-20-65990	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29652	Leader	Ford	FPB4	omasura@ford.com
		Maurer	Jim	313-39-03672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarthy	Bill	313-69-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-249-9391	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nielsen	Chris	734-26-69886	Service Buyer	Ford	FCSD	cnilsen4@ford.com
	AD	O'Neal	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	gosewalt@ford.com
	OG	Poma	Amy	313-390-8849	Proj. Mgt. Analyst	Project Solutions	POEE	apoma2@ford.com
		Park	Kyong	806-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84869	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
	DM	Plante	Paul	313-64-54136	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88603	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araqep1@ford.com
		Reddy	Srikanth	313-39-09359	STA Site Engineer	Ford	PTE	sreddy7@ford.com
	RL	Rosal	Robert	313-64-51436	Writing CPS - EESE Leader	Ford	Bldg. #1	rrosal1@ford.com
		Schliedg	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschlied1@ford.com
		Shore	John	734-26-69768	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	tamashiro@kavlico.com
		Trullio	Tom	313-32-38266	OGC Lawyer	Ford	PDC	ttrullio2@ford.com
		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		Williamson	Rick	313-24-88346	ECl Prod. Con. Anal.	Ford	FCSD	rw1110@ford.com
		Braymuck	Roy	313.62.10732	NAC Elec Mgr.	"	#1	rbraymuck@ford.com

EM02-027-0 0513

SICKARUS, ED 734 676 3597 PRESIDENT INTELLIGENCE Consultant intellect@dc.net

Poma, Amy (A.)

From: Maurer, James (J.B.)
Sent: Tuesday, July 02, 2002 10:02 AM
To: Poma, Amy (A.)
Subject: RE: Agenda for today

Amy,

The purpose of the meeting is to put together some information for purchasing. We will be discussing warranty information primarily.

Pareto of warranty from 21 vehicle lines
Repeat Repair study
Correlation of PCM warranty and DPFE warranty
Warranty of other sensors that use CMOS technology and correlation to DPFE
Electrical testing to date
PV failures
Soft failures
Control charts out of control
Other issues

please bring copies of warranty data that Mahmoud has done on repeat repairs, the warranty by vehicle line, the PCM vs. DPFE analysis, and any stack charts he has sent out.

Regards,

Jim Maurer
James B. Maurer
V-Engine 6-Sigma Team Leader
Fuel Metering Dept. V Engine Engineering
Phone (313) 390-3672, Fax (313) 390-4084
Text Page: (313) 795-5219
Email: jmaurer@Ford.com

-----Original Message-----

From: Poma, Amy (A.)
Sent: Tuesday, July 02, 2002 9:34 AM
To: Maurer, James (J.B.)
Subject: Agenda for today

Jim,

Did you want any type of Agenda prepared for today's Internal Ford Meeting? If so, please advise. Thanks.

Amy Poma
V-Engine Engineering Project Mgmt.
POEE Building, FMEI Cube CO162
phone-313-390-8849, fax: 313-390-4084
apoma2@ford.com

Date: Thursday, July 11, 2002 1:00-3:00 p.m.

Location: POEE FMEI conference room DI-196

Subject: Ford Internal dPFE Sensor meeting discussion on
Wiring Issues

Attendees: Ford dPFE sensor core team

EP82-827-D 8517

7/9/02

Poma, Amy (A.)

From: Poma, Amy (A.)
Sent: Wednesday, July 03, 2002 9:08 AM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auiler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoake, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Biesel, Gerry (G.); Bronni, Mark (M.J.); Bugaj, Barry; Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglas, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hanges, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Kozawnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neak, Jim (J.D.); Oswald, Greg (G.G.); Park, Kyong; Pascany, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Poma, Amy; Popoff, Daniel (D.M.); Raquepau, Alden (A.P.); Reddy, Srikanth; Rossi, Roberto (R.A.); Schleding, Kurt (K.J.); Shore, John (J.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); Williamson, Richard (E.)
Subject: IMPORTANT PLEASE NOTE:TUESDAY/THURSDAY CHANGES IN MEETING FORMAT CHANGES

Please note the following changes in the 1:00 Tuesday and Thursday meetings.

All Tuesday meetings beginning July 9 will now be used as an extension of the Ford vehicle test team meeting on Monday and the CALL IN WILL NO LONGER BE HELD.

All Thursday meetings beginning July 18 will be the regular Kavlico/Ford meeting WITH THE CALL IN, however the next upcoming July 11th Thursday meeting will be a separate Ford only meeting to be dedicated to Wiring Harness Issues.

Please adjust your calendars accordingly.

*Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CO162
phone-313-390-8849, fax: 313-390-4084
apoma2@ford.com*

Poma, Amy (A.)

From: Plants, Paul (P.G.)
Sent: Tuesday, July 02, 2002 3:41 PM
To: Maurer, James (J.B.); Poma, Amy (A.)
Subject: RE: Tuesday - Thursday meetings

Amy, Thursday 14D meeting will be dedicated to "Wiring Harness Issues". Please invite all regular attendees except:

Delete all Kavlco personnel including Mary and California. This will be internal Ford only.

Add: Ray Bzymek, Robert Rossi, Keith Frazier, S. Alles, Ed Sickafus

Discussion will center around a VP level overview of the wiring affect on sensor failure.

-----Original Message-----

From: Maurer, James (J.B.)
Sent: Tuesday, July 02, 2002 3:26 PM
To: Poma, Amy (A.); Plants, Paul (P.G.)
Subject: Tuesday - Thursday meetings

Amy,

Please send out a notice to the team that the Tuesday meetings will be used as an extension of the vehicle test team meeting on Monday and that the call - in will no longer be held.

Paul wanted to have a meeting on wiring/electrical issues next Thursday, so that meeting should also be cancelled.

Paul, I assume that you will have Amy invite the correct people for that meeting.

Regards,

Jim Maurer

James B. Maurer
V-Engine 6-Sigma Team Leader
Fuel Metering Dept. V Engine Engineering
Phone (313) 390-3672, Fax (313) 390-4084
Text Page: (313) 795-5219
Email: jmaurer@Ford.com

July 11th only

*Tom
Permanon*

Sheran Alles

Cigi Carol

Carroll 24

Poma, Amy (A.)

From: Maurer, James (J.B.)
Sent: Tuesday, July 02, 2002 3:28 PM
To: Poma, Amy (A.); Plante, Paul (P.G.)
Subject: Tuesday - Thursday meetings

Amy,

Please send out a notice to the team that the Tuesday meetings will be used as an extension of the vehicle test team meeting on Monday and that the call - in will no longer be held.

Paul wanted to have a meeting on wiring/electrical issues next Thursday, so that meeting should also be cancelled.

Paul, I assume that you will have Amy invite the correct people for that meeting.

Regards,

Jim Maurer

James B. Maurer
V-Engine 6-Sigma Team Leader
Fuel Metering Dept. V Engine Engineering
Phone (313) 390-3672, Fax (313) 390-4084
Text Page: (313) 795-5219
Email: jmaurer@Ford.com

NO JULY 4
MTG-HOLIDAY

EMR2-827-D 8572

10/27/02

created: 08/04/02
revised:

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D1198

Meeting Date: 6/27/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
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* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
	<input checked="" type="checkbox"/>	Alkins	Mary	313-24-81969	On-Site Rep.	Kavlico	POEE	malkins@ford.com
		Akolkar	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	akolkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
		Allee	Sheran	313-68-40653	EESE - AVT Wiring Specialist	Ford	AVT6	eallee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Aufler	Jim	313-32-38763	Chief Engineer	Ford	POEE	jaufler@ford.com
	<input checked="" type="checkbox"/>	Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Baneek	Catherine	313-32-38101	FMEI CPMT Eng./WEs concerns	Ford	POEE	cbaneek2@ford.com
		Barsuder	Lee	313-84-50891	FQE Supervisor	Ford	TWCTDR	lbarsude@ford.com
		Biasi	Garry	313-24-88280	ECI Supervisor	Ford	TWCTDR	gbiasi@ford.com
		Bronni	Mark	313-24-84608	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	<input checked="" type="checkbox"/>	Danee	Adam	313-32-26898	Master Black Belt	Ford	POEE	adanees@ford.com
		Devise	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bradvice@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
	<input checked="" type="checkbox"/>	Freeland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-59087	4.8L OPD	Ford	POEE	cgalante@ford.com
	<input checked="" type="checkbox"/>	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VFC	mgiorda1@ford.com
		Hanges	Jon	313-23-31098	FRL Scan Elec Microscope-Expert	Ford	FRL	jhanges@ford.com
	<input checked="" type="checkbox"/>	Jahshan	John	734-686-2759	PCSE Applications Engineer	Viateon	POEE	jahshan@viateon.com
	<input checked="" type="checkbox"/>	Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Karazi	Karen	313-20-68387	FMEI AWS Analyst	Ford	POEE	kkarazi@ford.com
		King	Lamar	313-59-41633	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozewnik	John	313-32-28973	Chief Engineer	Ford	POEE	jkozewn@ford.com

2002-427-0 9523

Poma, Amy (A.)

To: Kavlico TM dPFE Sensor
Subject: Thursday June 27, 2002 Kavlico mtg.

)
Team-

Attached is the Agenda and Issues Deck for Thursday's meeting.

The following are on the agenda:

**MARK FREELAND
MARY AKINS
JIM MCCOY
BRADY DAVIES
ALL**



Kavlico Meeting
Agenda_062702....



Temp_20020627020627
02.pdf

Please remember to bring copies of any of your handouts for the team and send me an electronic copy of same. Thanks.

*Amy Poma
V-Engine Engineering Project Mgmt.
POEE Building, FMEI Cube CO162
phone-313-390-8849, fax: 313-390-4084
apoma2@ford.com*

6/25/02

created: 08/04/02
revised:

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D1196

Meeting Date: 6/25/02

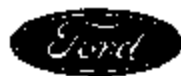
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* Denotes Core Team Member

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	MA	Aidna	Mary	313-24-81888	On-Site Rep.	Kavlico	POEE	maidna@ford.com
		Akolkar	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	saakolkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
		Ailes	Sharan	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVT5	sailes@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auiler	Jim	313-32-38763	Chief Engineer	Ford	POEE	jaulier@ford.com
	MA	Awad	Mahmoud	313-24-83868	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansack	Catherine	313-32-38101	FMEI CPMT Eng./WERs concerns	Ford	POEE	cbansack2@ford.com
		Bersuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Blessi	Garry	313-24-88280	ECl Supervisor	Ford	TWCTDR	gblessi@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbroni@ford.com
		Danes	Adam	313-32-28898	Master Black Belt	Ford	POEE	adanes@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72655	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
	MA	Freeland	Mark	313-59-47646	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-58067	4.6L OPD	Ford	POEE	cgalante@ford.com
	JM	Gatea	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgatea@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgiorda1@ford.com
		Hangas	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com
Vaccation		Jahshan	John	734-886-2758	PCSE Applications Engineer	Viscon	POEE	jahshan@viscon.com
Vaccation		Janda	Jon	313-24-82689	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Karezi	Karen	313-20-63387	FMEI AWS Analyst	Ford	POEE	kkarezi@ford.com
		King	Lamar	313-59-41633	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozzawnik	John	313-32-28973	Chief Engineer	Ford	POEE	jkozawn@ford.com

EMD-627-0 8827



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
 Dates: June 25, 2002
 Time: 1-3:00 p.m.
 Location: POEE, DI-196 (FMBI War Room)
 Called By: Jim Maurer, Team Leader: (313) 39-03672
 Next Meeting (s): June 27, 2002, Core Team Meeting
 July 2, 2002, Core Team Meeting

Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-523-7125

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>BESE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akins	Jim O'Neal	Mahmoud Awad	Sheraa Altes	Chris Nielsen
Shri Aklkar	Don Ayora	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda	Kyong Park	Andy Poma			Shri Reddy
		Paul Plants		<u>PCSE</u>	
<u>Team Leader</u>	<u>Vigleon</u>	Carol Verner		Ken Arnold	
Jim Maurer	John Jabshan			Brian Perry	

Meeting Agenda - 6/20/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Analytical Solutions 3 rd report on 2-heat temperature tested parts.		Kyong Park/All	30 minutes
2. Management Review dates/agenda		Jim O'Neal	5 minutes
3. Test vehicle status/update.		Jim McCoy	15 minutes
4. Accelerated Exhaust Condensate Exposure test on vehicle results.		Mark Freeland	20 minutes
5. Nitric Acid and High Temperature test update.		Freeman Gates	20 minutes
6. Walk Ins		All	

<u>Proposed Next Meeting Agenda 6/27/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to apoma2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp; 6/25/02
 Kavlico dPFE Sensor Core Team


Poma, Amy (A.)


From: Poma, Amy (A.)
Sent: Tuesday, June 25, 2002 8:44 AM
To: Akina, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Ales, Sheran (S.A.); Arnold, Kenneth (K.M.); Auiler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayars, Don; Bandoeka, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Bjsai, Gerry (G.); Bronni, Mark (M.J.); Bugaj, Barry; Danes, Adam (A.V.); Davies, Brady; Daeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hargas, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Mutar, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Poma, Amy; Popoff, Daniel (D.M.); Raquepau, Aiden (A.P.); Reddy, Srikanth; Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); Williamson, Richard (E.)
Subject: June 25, 2002 Kavlico Agenda and Issues Deck

Team-

Attached is the Agenda and Issues deck for our 1:00 p.m. meeting today. The following people are on today's agenda, please advise if you have any additions or changes, thanks.

**KYONG PARK - ALL
JIM MCCOY
MARK FREELAND
FREEMAN GATES
JIM O'NEALL**


Kavlico Weekly
Agenda_062502....


Rep_McCoy@kavlico#423
02.pdf

Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CO162
phone-313-390-8849, fax: 313-390-4084
apoma2@ford.com

BR02-027-D 5831

6/20/02

created: 08/04/02
revised:

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D1193

Meeting Date: 1/20/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
	MA	Akins	Mary	313-24-81889	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Akolkar	Shri	313-58-41908	Six Sigma Black Belt	Ford	POEE	saakolkar@ford.com
		Albrecht	Gunther	313-32-23183	Service Engineer	Ford	POEE	saalbrech@ford.com
		Alles	Sheran	313-58-40583	EESE - AVT Wiring Specialist	Ford	AV75	saalles@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F160 Supv./Leader	Ford	POEE	kaarnold@ford.com
		Auller	Jim	313-32-38783	Chief Engineer	Ford	POEE	jauller@ford.com
	MA	Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banasak	Catherine	313-32-38101	FMEI CPMT Eng./WEPA concerns	Ford	POEE	cbanasak2@ford.com
		Bersuder	Lee	313-84-50881	FQE Supervisor	Ford	TWGTDR	lbersude@ford.com
		Bissel	Garry	313-24-88280	EGI Supervisor	Ford	TWGTDR	gbissel@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Danes	Adam	313-32-28888	Master Black Belt	Ford	POEE	adanes@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
	MA	Fresland	Mark	313-88-47845	6-Sigma Black Belt	Ford	FRL	mfresla1@ford.com
		Galante	Chris	313-84-68067	4.8L OPD	Ford	POEE	cgalante@ford.com
	MA	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgiorda1@ford.com
		Hargas	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhargas@ford.com
		Jahshan	John	734-886-2769	POSE Applications Engineer	Viateon	POEE	jjahshan@viateon.com
	MA	Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kerazi	Karen	313-20-85387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		King	Lamar	313-58-41833	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Koszewnik	John	313-32-28973	Chief Engineer	Ford	POEE	jkoszewn@ford.com

2002-027-0 5832



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: June 20, 2002
Time: 1-3:00 p.m.
Location: POBR, DI-196 (PMBI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): June 25, 2002, Core Team Meeting
 June 27, 2002, Core Team Meeting

Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-523-7125

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>Y-Engine</u>	<u>Quality Office</u>	<u>EESE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akins	Jim O'Neill	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda	Kyong Park	Amy Poma			Patrice White-Johnson
		Paul Plante		<u>PCSE</u>	
Team Leader	<u>Yistegon</u>	Carol Verner		Ken Arnold	
Jim Maurer	John Jabahan			Brian Perry	

Meeting Agenda - 6/20/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Continued review/discussion of Repeat Repairs Data	K6, A9	Mahmoud Awad	30 minutes
2. Plan for use of outside lab for Nitric Acid Test and High Temperature Test- in process.	I5, A8	Freeman Gates	20 minutes
3. Accelerated Exhaust Condensate Exposure test on vehicle.	I5, I6, A10	Mark Freeland	10 minutes
4. Update on Norfolk and St. Thomas parts.	I3, A3	Don Ayers	10 minutes
5. Update for test plan for dynamometer --schematic & diagram		Freeman Gates	10 minutes
6. Issues Resolution report out.		Jon Janda	10 minutes
7. Management Review at Kavlico --travel dates/agenda		Jim O'Neill	10 minutes
8. Walk Ins		All	10 minutes

<u>Proposed Next Meeting Agenda 6/25/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to apona2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 6/19/02
 Kavlico dPFE Sensor Core Team

Poma, Amy (A)

From: Poma, Amy (A)
Sent: Wednesday, June 19, 2002 2:44 PM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoska, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Bissi, Gerry (G.); Bronni, Mark (M.J.); Bugaj, Barry; Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godtowski, Ed (E.V.); Hargas, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Poma, Amy; Popoff, Daniel (D.M.); Raquepau, Aiden (A.P.); Raddy, Srikanth; Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Vemer, Carol (C.J.); Williamson, Richard (E.)
Subject: Kavlico Team meeting June 20, 2002 1:00-3:00 p.m.


Team-

Attached please find the Agenda and Issues Deck for Thursday's meeting.

The meeting will be in the POEE Bldg., FMEI department cr. DI-198. from 1:00-3:00 p.m. Please note the following individuals are on the agenda, please come prepared to discuss your item:

**MAHMOUD AWAD
FREEMAN GATES
MARK FREELAND
DON AYERS
JON JANDA
JIM O'NEALL**


Meeting Meeting
Agenda_043002....


Xpt_Tamashiro@fmei0520
03.pdf

*Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CO162
phone-313-390-8849, fax: 313-390-4084
apomaz@ford.com*

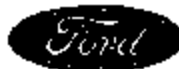
6/18/02

created: 06/04/02
 revised:

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1106

Meeting Date: 4/19/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Akine	Mary	313-24-61989	On-Site Rep.	Kavlico	POEE	makine@ford.com
		Akolker	Shri	313-69-41908	Six Sigma Black Belt	Ford	POEE	akolker@ford.com
		Albrecht	Gunther	313-32-28153	Service Engineer	Ford	POEE	galbrech@ford.com
		Allee	Sheran	313-69-40653	EESE - AVT Wiring Specialist	Ford	AVT5	salee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Aulier	Jim	313-32-38763	Chief Engineer	Ford	POEE	jaulier@ford.com
		Awad	Mahmoud	313-24-83888	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
		Ayers	Dan	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansak	Catherine	313-32-38101	FMEI CPMT Eng./WEPIs concerns	Ford	POEE	cbansak2@ford.com
		Bansuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lbansude@ford.com
		Bleal	Gerry	313-24-86280	ECI Supervisor	Ford	TWCTDR	gbleal@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Danes	Adam	313-32-26688	Master Black Belt	Ford	POEE	adanes@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
		Freeland	Mark	313-58-47845	6-Sigma Black Belt	Ford	FRL	mfreeland1@ford.com
		Gelante	Chris	313-84-58067	4.6L OPD	Ford	POEE	cgelante@ford.com
		Gates	Fraeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgiordano1@ford.com
		Haggas	Jon	313-23-31066	FRL Scan Elec Microscope-Expert	Ford	FRL	lhaggas@ford.com
		Jahshan	John	734-886-2759	PCSE Applications Engineer	Visicon	POEE	jjahshan@visicon.com
		Janda	Jon	313-24-82588	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kerazi	Karen	313-20-63387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		Kling	Lamar	313-59-41639	FMEI EGR Supervisor	Ford	POEE	llking1@ford.com
		Kozzewnik	John	313-32-28873	Chief Engineer	Ford	POEE	jkozze@ford.com



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: June 18, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMBT War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): June 20, 2002, Core Team Meeting
 June 25, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-523-7125

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>BRSE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akins	Jim O'Neill	Mahmoud Awad	Sheran Albes	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda	Kyong Park	Amy Poma			Patrice White-Johnson
		Paul Plante		<u>PCSE</u>	
Team Leader	<u>Viatcon</u>	Carol Verner		Ken Arnold	
Jim Maurer	John Jahshan			Brian Perry	

Meeting Agenda -6/13/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Update/review of repeat repairs data	I6, A9	Mahmoud Awad	15 minutes
2. Management Review at Kavlico-tentative date of visit/ begin Draft agenda.		Jim O'Neill, Jim Maurer	5 minutes
3. STA update. Transition of Patrice's function.	I5, A10	Patrice White-Johnson	10 minutes
4. Update -test plan for dynamometer-schematic & diagram.		Freeman Gates	10 minutes
5. Walk Ins		All	

<u>Proposed Next Meeting Agenda 6/13/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

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 Please be on time as we have a full agenda

Jim Maurer/cp: 6/18/02
 Kavlico dPFE Sensor Core Team

created: 06/04/02
 revised:

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - 01196

Meeting Date: 1/3/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Aldine	Mary	313-24-81889	On-Site Rep.	Kavlico	POEE	maidns@ford.com
		Alkotkar	Shri	313-59-41008	Six Sigma Black Belt	Ford	POEE	salkotkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrecht@ford.com
*		Alles	Bharan	313-59-40653	EESE - AVT Wiring Specialist	Ford	AVT5	aalles@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auler	Jim	313-32-88783	Chief Engineer	Ford	POEE	jauler@ford.com
*	MA	Awad	Mahmoud	313-24-83869	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Baneek	Catherine	313-32-88101	FMEI CPMT Eng./WEFA concorns	Ford	POEE	cbaneek2@ford.com
		Berkuder	Lee	313-84-80881	FOE Supervisor	Ford	TWCTDR	lberkud@ford.com
		Bhasi	Geny	313-24-86280	ECH Supervisor	Ford	TWCTDR	gbbhasi@ford.com
		Bronni	Mark	313-24-84508	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Denes	Adam	313-32-28898	Master Black Belt	Ford	POEE	adenes@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-59008	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72666	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
*	MA	Freeland	Mark	313-59-47846	8-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Gafente	Chris	313-84-59087	4.6L OPD	Ford	POEE	cgafente@ford.com
*		Gates	Fredman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mika	313-32-20826	C&P Supervisor	Ford	VPC	mgiorda1@ford.com
		Hanges	Jon	313-23-81088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhanges@ford.com
		Jahshan	John	734-866-2758	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
	MA	Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-59292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Karsal	Karen	313-20-83887	FMEI AWS Analyst	Ford	POEE	kkarsal@ford.com
		King	Lamar	313-59-41633	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Koszewnik	John	313-32-28673	Chief Engineer	Ford	POEE	jkoszewn@ford.com

FMEI-027-0 0041



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: June 13, 2002
Time: 1-2:30 p.m.
Location: POEB, DI-196 (FMBI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): June 18, 2002, Core Team Meeting
 June 20, 2002, Core Team Meeting

Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	V-Engine	Quality Office	EESE	Purchasing
Mark Freeland	Mary Akins	Jim O'Neal	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda	Kyong Park	Amy Poma			Patrice White-Johnson
		Paul Plante		PCSE	
Team Leader	Vision	Carol Verner		Ken Arnold	
Jim Maurer	John Jahshan			Brian Perry	

Meeting Agenda - 6/13/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Update on Norfolk and St. Thomas parts	I3, A3	Don Ayers	10 minutes
2. Issues Resolution Report out	I3, A12	Jon Janda	20 minutes
3. Parser Data	I5, A11	Mary Akins	10 minutes
4. Update repeat repairs data	I6, A9	Mahmoud Awad	15 minutes
5. Instrumentation/Settings and update on test vehicles	I6, A7	Jim McCoy	15 minutes
6. STA update	I5, A10	Patrice White-Johnson	10 minutes
7. Ford visit to Kavlico-tentative date/agenda update		Jim O'Neal	10 minutes
8. Walk Ins		All	15 minutes

<u>Proposed Next Meeting Agenda 6/13/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to apocm2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 6/12/02
 Kavlico dPFE Sensor Core Team

Poma, Amy (A.)

from:
sent:
to:


Poma, Amy (A.)
Thursday, June 13, 2002 8:18 AM
Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guanter (G.K.); Ales, Sheran (S.A.); Arnold, Kenneth (K.M.); Auler, Jim (J.E.); Awad, Mahmoud (M.); Ayers, Don; Bandoske, Pete (P.F.); Bansek, Catherine (C.K.); Berauder, Lee (L.C.); Bisci, Gerry (G.); Bronni, Mark (M.); Bugaj, Barry; Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gatas, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hanges, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.); Kozewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Park, Kyong; Pascoary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Poma, Amy (A.); Popoff, Daniel (D.M.); Raquepau, Aiden (A.P.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.)
Subject: June 13 Kavico Team mtg. Agenda and Issues Deck


Team-

Attached is today's Agenda and Issues Deck. The Agenda is quite full for today so if we could start promptly at 1:00 p.m. we should be able to cover all topics.

The following people are on today's Agenda:

**DON AYERS
JON JANDA
MARY AKINS
MAHMOUD AWAD
JIM MCCOY
PATRICE WHITE-JOHNSON
JIM O'NEALL**


Evilino Meeting
Agenda_061302....


Agenda_061302...
02.pdf

*Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CQ-156
phone-313-390-8849, fax: 313-390-4084
apomaz@ford.com*

~~CONFIDENTIAL~~
6/11/02

created: 08/04/02
 revised:

2000-2002 Kavlico TM dPFE Senior
 Core Team Meeting
 FMEI - D1100

Meeting Date: 6/11/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIALS	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	Y/A	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Akolkar	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	saakolkar@ford.com
		Abrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	gabrecht@ford.com
*		Ables	Sheran	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVTS	saables@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F160 Supv./Leader	Ford	POEE	karnold1@ford.com
		Auiler	Jim	313-32-88783	Chief Engineer	Ford	POEE	jaulier@ford.com
*	MA	Awad	Mahmoud	313-24-83888	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-623-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banaek	Catherine	313-32-99101	FMEI CPMT Eng./WEAs concerns	Ford	POEE	cbanaek2@ford.com
		Borawder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lborawder@ford.com
		Blesi	Gerry	313-24-86280	ECI Supervisor	Ford	TWCTDR	gbleis@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Danis	Adam	313-32-29898	Master Black Belt	Ford	POEE	adanis@ford.com
		Davies	Brady	805-623-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-50003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Doughasa	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdoughasa@ford.com
*		Freeland	Mark	313-59-47845	8-Sigma Black Belt	Ford	FRL	mfreeland1@ford.com
		Galante	Chris	313-84-59067	4.8L OPD	Ford	POEE	cgalante@ford.com
*	MA	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgiordano@ford.com
		Hangas	Jon	313-23-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com
		Jahshan	John	784-898-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Janda	Jon	313-24-82880	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kerazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		King	Lamar	313-59-41833	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozzawnik	John	313-32-26973	Chief Engineer	Ford	POEE	kozawnik@ford.com

EA02-027-0 0946



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: June 11, 2002
Time: 1-2:30 p.m.
Location: POER, DE-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): June 13, 2002, Core Team Meeting
 June 18, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>EESE</u>	<u>Purchasing</u>
Mark Freeland	Mary Atkins	Jim O'Neill	Mahmoud Awad	Sheras Alies	Chris Nielson
Shri Alkolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda	Kyong Park	Amy Poma			Patrice White-Johnson
		Paul Plante		<u>PCSE</u>	
<u>Team Leader</u>	<u>Visteon</u>	Carol Verner		Ken Arnold	
Jim Maurer	John Jahshan			Brian Perry	

Meeting Agenda - 6/11/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Team discussion of questions from review of 2 nd AS report. Mike S. to call in for 6/13 mtg.	I5, A5	All	15 minutes
2. Update on Norfolk and St. Thomas parts.	I3, A3	Don Ayers	10 minutes
3. Ford visit to Kavlico - discuss mid July dates/draft Agenda		All	15 minutes
4. STA update	I5, A10	Patrice White-Johnson	10 minutes
5. Walk Ins		All	20 minutes

<u>Proposed Next Meeting Agenda 6/13/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to sponsors2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 6/10/02
 Kavlico dPFE Sensor Core Team

Poma, Amy (A.)

From:
Sent:
To:

Poma, Amy (A.)
Tuesday, June 11, 2002 9:17 AM
Akina, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Aulter, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoske, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Bissel, Gerry (G.); Bronn, Mark (M.J.); Bugaj, Barry; Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hargas, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Karazi, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Park, Kyong; Pascany, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Poma, Amy (A.); Popoff, Daniel (D.M.); Raquepai, Alden (A.P.); Rosal, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Tamashiro, Tarry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.)
Subject: Tuesday, June 11, 2002 1:00-2:30 pm Kavlico Team meeting

All-

Attached please find today's Agenda and Issues Deck.


Prc_James#03100911
03.ppt


Kavlico Meeting
Agenda_#031009....

As always our meeting is scheduled in POEE, FMEI dept. cr. DI-106 beginning at 1:00 p.m.

*Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CQ-156
phone-313-390-8849, fax: 313-390-4084
apoma2@ford.com*

8055 0-120-2000

[Handwritten signature]

created: 12/11/01
revised: 6/6/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D186

Meeting C. 5/7/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81889	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Akolkar	Shri	318-68-41908	Six Sigma Black Belt	Ford	POEE	akolkar@ford.com
		Abrecht	Gunther	313-32-23163	Service Engineer	Ford	POEE	gabrecht@ford.com
*		Alee	Sheran	313-58-40553	EESE - AVT Wiring Specialist	Ford	AVT5	selee@ford.com
		Arnold	Ken	313-24-84179	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Aulier	Jim	313-32-38763	Chief Engineer	Ford	POEE	jaulier@ford.com
*		Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	806-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansak	Catherine	313-32-38101	FMEI CPMT Eng./WEERs concerns	Ford	POEE	cbansak2@ford.com
		Bensuder	Lee	313-84-60891	FOE Supervisor	Ford	TWCTDR	lbensuda@ford.com
		Bleef	Gary	313-24-88280	ECI Supervisor	Ford	TWCTDR	gbleef@ford.com
		Bronni	Mark	318-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Danee	Adam	313-32-28698	Master Black Belt	Ford	POEE	adanee@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-59003	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
*	MA	Freeland	Mark	313-58-47845	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-59067	4.6L OPD	Ford	POEE	cgalante@ford.com
*	JA	Getas	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgetas@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	YPC	mgiorda1@ford.com
		Hangsa	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangsa@ford.com
		Jahshan	John	734-888-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
	JA	Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Karszl	Karen	313-20-63387	FMEI AWS Analyst	Ford	POEE	kkarszl@ford.com
		King	Lamar	313-58-41683	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozzewnik	John	313-32-28973	Chief Engineer	Ford	POEE	jkozzewn@ford.com

FMEI-027-0 5951

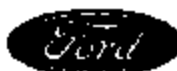
12/11/01
 revised: 5/8/02

2000-2002 Kavlico™ dPFE Sensor
 Core Team Meeting
 FMEI - D198

Meeting Date: 5/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Olaf	313-20-85930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-28682	Leader	Ford	FP84	gmasura@ford.com
	JM	Masur	Jim	313-39-09872	Team Leader	Ford	POEE	jmasur@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	bmccarty1@ford.com
		Muser	Doreen	313-248-8891	Fiscal Analyst	Ford	FC80	dmuser@ford.com
		Nelson	Chris	734-26-69866	Service Buyer	Ford	FC80	cnelson4@ford.com
	JDS	O'Neal	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
	OR	Poma	Amy	313-380-8849	Proj. Mgt. Analyst	Project Solutions	POEE	apoma2@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascany	Ken	313-24-84888	PT Electronics Engineer	Ford	POEE	kpascany@ford.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zotec Focus/Escap	Ford	POEE	bperry@ford.com
		Plante	Paul	313-84-64198	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88603	C&F Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepsu	Al	313-24-84329	APTE PT CPS	Ford	APTE	araqpsu1@ford.com
		Ross	Robert	313-84-51498	Wiring GPS - EESE Leader	Ford	Bldg. #1	rross1@ford.com
		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschled@ford.com
		Shore	John	734-26-69789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Taneshiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttaneshiro@kavlico.com
		Trujillo	Tom	313-32-38266	OGC Lawyer	Ford	PDC	ttrujil2@ford.com
		Verner	Carl	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitejo@ford.com
		Williamson	Rick	313-24-88348	ECl Prod. Con. Anal.	Ford	FCSD	rwill110@ford.com
		<i>Jim Maloney</i>						

EM02-027-0 5/8/02



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPPE Sensor

Meeting Logistics

Subject: Kavlico TM dPPE Sensor Core Team
Date: June 6, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMHI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): June 11, 2002, Core Team Meeting
 June 13, 2002, Core Team Meeting

Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	V-Engine	Quality Office	BESE	Purchasing
Mark Freeland	Mary Akina	Jim O'Neill	Mahmoud Awad	Sheran Altes	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda	Kyong Park	Amy Poma			Patrice White-Johnson
		Paul Plant		<u>PCSE</u>	
Team Leader	<u>Visteon</u>	Carol Verner		Ken Arnold	
Jim Maurer	John Jahshan			Brian Perry	

Meeting Agenda - 6/6/02

Order of Agenda Items	Corr. Issue #	Person(s) Responsible	Time Allocated
1. Team discussion of questions from review of 2 nd AS report. Mike S. to call in for 6/1 mtg.	15, A5	All	15 minutes
2. Update on Norfolk and St. Thomas parts	13, A3	Don Ayers	10 minutes
3. Report out of Issues Resolution 6/10 mtg.		Jon Janda	15 minutes
4. STA update-Patrice/Walid to call in from Kavlico	15, A10	Patrice White-Johnson	10 minutes
5. Instrumentation/electrical testing of vehicles update.	16, A7	Jim McCoy	10 minutes
6. Walk ins		All	10 minutes

Proposed Next Meeting Agenda 6/11/02	Person(s) Responsible	Time Estimated

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to spoma2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 6/5/02
 Kavlico dPPE Sensor Core Team

Poma, Amy (A.)

From:
Sent:
To:

Poma, Amy (A.)
Thursday, June 06, 2002 9:07 AM
Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Aulter, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoake, Pete (P.F.); Bansek, Catherine (C.K.); Barsuder, Lee (L.C.); Biesel, Garry (G.); Bronni, Mark (M.J.); Bugaj, Bary; Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hansas, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Kozaewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswalt, Greg (G.G.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Pfanta, Paul (P.G.); Poma, Amy (A.); Popoff, Daniel (D.M.); Raquepau, Aiden (A.P.); Rosel, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Tamashiro, Tarry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.)

Subject: Agenda and Issues Deck for Thursday, June 6, 1:00 p.m. -3:00 p.m.


Team-


Attached are today's Agenda and Issues Deck for our 1:00 p.m. meeting at POEE, FMEI Department cr. DI-196. Please note if you are on the Agenda.

**DON AYERS
JON JANDA
PATRICE WHITE-Johnson
JIM MCCOY**

LL

KYONG, PLEASE ADVISE IF YOU HAVE BEEN UNABLE TO ACCESS THE 2ND REPORT THAT IS ITEM # 1 ON TODAY'S AGENDA. THANKS.


Invited Meeting
Agenda_060602.....


Rpt_CamasPhotos0606
03.pdf

*Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CQ-156
phone-313-390-8849, fax: 313-390-4084
apoma2@ford.com*

6/4/02

created: 12/11/01
 revised: 5/6/02

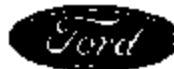
2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - 01195

Meeting Date: 6/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Alkofar	Shul	313-59-41908	Six Sigma Black Belt	Ford	POEE	salkofar@ford.com
		Albrecht	Gunther	313-22-23153	Service Engineer	Ford	POEE	galbrech@ford.com
*		Alles	Sharan	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVTS	salles@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-22-38783	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-83869	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Baneek	Catherine	313-22-38101	FMEI CPMT Eng./WE/Re concerns	Ford	POEE	cbaneek2@ford.com
		Bensuder	Lee	313-84-50881	POE Supervisor	Ford	TWGTDR	lbensud@ford.com
		Blaef	Gerry	313-24-88280	ECI Supervisor	Ford	TWGTDR	gblaef@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	AD	Danes	Adam	313-22-26698	Master Black Belt	Ford	POEE	adanes@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-56003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-23-72855	Vehicle Environmental Engineering	Ford	FPB4	kdougla@ford.com
*	MR	Freeland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mrfreel1@ford.com
		Galante	Chris	313-84-59087	4.6L OPD	Ford	POEE	agalante@ford.com
*		Gates	Freeman	313-22-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-22-20925	C&P Supervisor	Ford	VPC	mgiord1@ford.com
		Hargess	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhargess@ford.com
		Jahshan	John	784-868-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	bjohnso@ford.com
		Korzi	Karan	313-20-83987	FMEI AWS Analyst	Ford	POEE	kkorzi@ford.com
		King	Lamar	313-59-41833	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozzewnik	John	313-22-28973	Chief Engineer	Ford	POEE	lkozzev@ford.com

EA02-027-D EC09

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Olaf	313-20-65030	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29662	Leader	Ford	FPB4	omasura@ford.com
		Maurer	Jim	313-39-03672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-8361	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nislen	Chris	734-26-69666	Service Buyer	Ford	FCSD	cnislen4@ford.com
	JAL	O'Neal	Jim	313-32-28838	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
	DP	Poma	Amy	313-390-8849	Proj. Mgt. Analyst	Project Solutions	POEE	apoma2@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascany	Ken	313-24-84666	PT Electronics Engineer	Ford	POEE	kpascany@ford.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
		Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Den	313-24-88903	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Requepau	Al	313-24-84326	APTE PT OPS	Ford	APTE	arequep1@ford.com
		Ross	Robert	313-84-51436	Wiring OPS - EESE Leader	Ford	Bldg. #1	rross1@ford.com
		Schieching	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschiech1@ford.com
		Shore	John	734-26-69789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com
		Trujillo	Tom	313-32-38266	OGC Lawyer	Ford	PDC	trujil2@ford.com
		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-39-04408	BTA Site Manager	Ford	AVTS	patwhite@ford.com
		Williamson	Rick	313-24-88348	ECI Prod. Con. Anal.	Ford	FCSD	rwill10@ford.com
	UV	Ward	Larry	05112	PTO Quality	Ford	ROB	lward@ford.com



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: June 4, 2002
Time: 1-2:30 p.m.
Location: POBE, DI-196 (FMBI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): June 6, 2002, Core Team Meeting
 June 11, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>FESE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akins	Jim O'Neill	Mahmoud Awad	Sheran Altes	Chris Nielsen
Shri Akotkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda	Kyong Park	Amy Poma			Patrice White-Johnson
		Paul Plante		<u>PCSE</u>	
<u>Team Leader</u>	<u>Visteon</u>	Carol Verner		Ken Arnold	
Jim Maurer	John Jahshan			Brian Pury	

Meeting Agenda - 6/4/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Discussion of Questions, team is to ask Mike Strizich of Analytical Solutions at Thursday mtg. (Mary A. to arrange for Mike to call in for 6/6 mtg.)	I5, A5	All	15 minutes
2. Update on Norfolk and St. Thomas parts.	I3, A3	Don Ayers	10 minutes
3. Update on decomposition testing.	I5, A8	Mark Freeland	10 minutes
4. Report out of Issues Resolution 6/3 mtg. (Thursday report out/set Monday Agenda format we will be following).		Jon Janda	10 minutes
5. STA update		Patrice White-Johnson	10 minutes
6. Walk ins		All	10 minutes

<u>Proposed Next Meeting Agenda 6/11/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to apoma2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/tp: 6/4/02
 Kavlico dPFE Sensor Core Team

Poma, Amy (A.)

From: Poma, Amy (A.)
sent: Monday, June 03, 2002 11:08 AM
To: Akina, Mary (M.); Ayers, Dor; Beason, G.; Costeiras, J.; Gates, Freeman (F.C.); Gillespie, S.; Johnson, Joe (J.H.); Maurer, James (J.B.); McCarty, Bill (W.D.); O'Neal, Jim (J.D.); Poma, Amy (A.); White-Johnson, Patrice (P.)
Subject: Action Items Issues Deck for June 3, 2002 4-5:00 p.m. call in mtg.

Team attached is the most recent issues Deck for today's meeting.


ATTACHED ACTION
ITEMS_JUN3.2002...

*Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CQ-156
phone-313-390-8849, fax: 313-390-4084
apomaz@ford.com*

20

Form 927-D 5/99

5/30/02

2000-2002 Kavl. M dPFE Sensor
 Core Team Meeting
 FMEI - D1196

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If you name is not on this list, please write it in at the bottom including the appropriate detail.

* Denote Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
	<input checked="" type="checkbox"/>	Aldine	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	malaine@ford.com
		Akolkar	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	akolkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
		Atee	Sheran	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVT6	esilee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F160 Supv./Leader	Ford	POEE	karnold@ford.com
	<input checked="" type="checkbox"/>	Auller	Jim	313-32-36783	Chief Engineer	Ford	POEE	jauller@ford.com
		Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Baneek	Catherine	313-32-38101	FMEI CPMT Eng./WERs concerns	Ford	POEE	cbaneek2@ford.com
		Bersuder	Lee	313-84-50891	FQE Supervisor	Ford	TWGTDR	lbarsude@ford.com
		Bisat	Gerry	313-24-88280	ECL Supervisor	Ford	TWCTDR	gbisat@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Dahes	Adam	313-32-26895	Master Black Belt	Ford	POEE	adahes@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
	<input checked="" type="checkbox"/>	Freeland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreelan@ford.com
		Galarite	Chris	313-84-59067	4.6L OPD	Ford	POEE	cgalarite@ford.com
	<input checked="" type="checkbox"/>	Gates	Freeman	313-32-24807	FMEI Tech Spec/Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgiordano1@ford.com
		Hanges	Jon	313-23-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com
		Jahshan	John	734-888-2758	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
	<input checked="" type="checkbox"/>	Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	johnsn@ford.com
		Kerazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		King	Lamar	313-59-41633	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozzewnik	John	313-32-28973	Chief Engineer	Ford	POEE	jkozzevnik@ford.com

created: 12/11/01
revised: 5/6/02

2000-2002 Kavli... GM dPFE Sensor
Core Team Meeting
FMEI - DI166

Meeting Da... 3/7/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
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* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Olaf	313-20-85930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	813-32-29602	Leader	Ford	FPB4	gmasura@ford.com
	JM	Maurer	Jim	313-38-08072	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	813-58-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
	M	Muter	Doreen	313-248-9381	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nelsen	Chris	734-28-69688	Service Buyer	Ford	FCSD	cnelsen4@ford.com
		O'Neill	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com
		Oswalt	Greg	313-38-01180	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
	af	Poma	Amy	313-390-8849	Proj. Mgt. Analyst	Project Solutions	POEE	apoma2@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Peacary	Ken	313-24-84689	PT Electronics Engineer	Ford	POEE	kpeacary@ford.com
		Perry	Brian	313-38-04170	PT Elec Appl 2.DL Zetac Focus/Escapes	Ford	POEE	bperry@ford.com
		Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88608	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepeu	Al	313-24-84329	APTE PT CPS	Ford	APTE	araqpeu1@ford.com
		Rossi	Robert	313-84-51436	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrossi1@ford.com
		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschled@ford.com
		Shore	John	734-28-88789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamaehiro	Tory	805-523-2000	Warranty Analysis	Kavlico	CA	ttamaehiro@kavlico.com
		Trujillo	Tom	313-32-36265	OGC Lawyer	Ford	PDC	ttrujil2@ford.com
		Verner	Carol	313-38-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-89-04409	STA Site Manager	Ford	AVTS	pwhjohn@ford.com
		Williamson	Rick	313-24-88348	ECl Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com

EP82-021-D 0362



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: May 30, 2002
Time: 1-2:30 p.m.
Location: POBB, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): June 4, 2002, Core Team Meeting
 June 6, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) . Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	V-Engine	Quality Office	HESE	Purchasing
Mark Freeland	Mary Atkins	Jim O'Neill	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda	Kyong Park	Chris Panaretos			Patrice White-Johnson
		Paul Plante		PCSE	
Team Leader	Vision	Carol Verner		Ken Arnold	
Jim Maurer	John Jahshan			Brian Parry	

Meeting Agenda - 6/6/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Review and discuss Analytical Solutions Workplan.	15, A5	All	15 minutes
2. Update on Body and Assembly plant failures at Norfolk.	13, A3	Don Ayers	10 minutes
3. Acid test update.	15, A6	Kyong Park	15 minutes
4. Status on gel testing.	15, A8	Mark Freeland	10 minutes
5. Vehicle testing update.	16, A7	Jim McCoy/Agry	5 minutes
6. Water test on department test cars		Jim Maurer	5 minutes
7. Walk ins		All	15 minutes

<u>Proposed Next Meeting Agenda 6/11/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to apama2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 5/29/02
 Kavlico dPFE Sensor Core Team

Poma, Amy (A)

From: Poma, Amy (A.)
Sent: Thursday, May 30, 2002 12:27 PM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auiler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoaka, Pete (P.F.); Banek, Catherine (C.K.); Bersuder, Lee (L.C.); Bissi, Gerry (G.); Bronni, Mark (M.J.); Bugaj, Barry; Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hargas, Jon (.); Jehshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Koczewnik, John (J.J.); Kunde, Olaf (O.); Maeurs, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Oswald, Greg (G.G.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plants, Paul (P.G.); Poma, Amy (A.); Popoff, Daniel (D.M.); Raquesau, Aiden (A.P.); Rosel, Roberto (R.A.); Schieding, Kurt (K.J.); Shora, John (J.); Tamashko, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-johnson, Patricia (P.); Williamson, Richard (E.)
Subject: May 30 Kavlico Team Meeting

Team-

Attached is the Agenda and Issues Deck for today's meeting. Thursday, May 30, 2002 from 1:00-3:00 p.m. today which will be held in POEE, FMEI department conference room DI-196.


Kavlico Meeting
Agenda_053002....


Kpt_TeamMeeting.pdf

Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CQ-156
phone-313-390-8849, fax: 313-390-4084
apomaz@ford.com

5/28/02

cross: 12/11/01
 revised: 5/6/02

2000-2002 Kavlico IM dPFE Sensor
 Core Team Meeting
 FMEI - D1199

Meeting Date: 3/7/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81069	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Akolkar	Shri	313-69-41908	Six Sigma Black Belt	Ford	POEE	eaakolkar@ford.com
		Albrecht	Gunther	313-32-23163	Service Engineer	Ford	POEE	galbrech@ford.com
*	EL	Ales	Sheran	313-69-40553	EESA - AVT Wiring Specialist	Ford	AVTS	eaales@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-32-38783	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-89889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Baneak	Catherine	313-32-38101	FMEI CPMT Eng./WERie concorne	Ford	POEE	cbaneak2@ford.com
		Bersuder	Lee	313-84-50891	FQE Supervisor	Ford	TWGTDR	lbersuda@ford.com
		Bisal	Gerry	313-24-88260	ECI Supervisor	Ford	TWGTDR	gbisal@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbranni@ford.com
		Danes	Adam	313-32-28698	Master Black Belt	Ford	POEE	adanes@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72655	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
*	MA	Freeland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-59067	4.8L OPD	Ford	POEE	cgalante@ford.com
*	EL	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Hargess	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhargess@ford.com
		Jahahan	John	734-888-2759	PCSE Applications Engineer	Visteon	POEE	jjahahan@visteon.com
		Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kerazi	Karan	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		King	Lamar	313-69-41638	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozewnik	John	313-32-28973	Chief Engineer	Ford	POEE	kozewn@ford.com

FMEI-827-0 5998



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: May 28, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMEL War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): May 30, 2002, Core Team Meeting
 June 4, 2002, Core Team Meeting

Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	V-Enging	Quality Office	HESE	Purchasing
Mark Precland	Mary Atkins	Jim O'Neal	Mahmood Awad	Sheran Altes	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda	Kyong Park	Chris Panaretos			Patrice White-Johnson
		Paul Plante		PCSE	
Team Leader	Visitor	Carol Verner		Ken Arnold	
Jim Maurer	John Jahshan			Brian Perry	

Meeting Agenda - 5/28/02

Order of Agenda Items	Cont. Issue #	Person(s) Responsible	Time Allocated
1. Update on Analytical Solutions Workplan since May 20 visit.	15, A5	Kyong Park	10 minutes
2. Update on Body and Assembly plant failures at Norfolk.	13, A3	Don Ayers	10 minutes
3. STA weekly update.		Patrice White-Johnson	10 minutes
4. Vehicle testing updates/status if differential input to signal needed.	16, A7	Jim McCoy, Sheran Altes	15 minutes
5. Walkins		All	20 minutes

Proposed Next Meeting Agenda 5/28/02	Person(s) Responsible	Time Estimated

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to spoma2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/tp: 5/28/02
 Kavlico dPFE Sensor Core Team

Poma, Amy (A.)


From: Poma, Amy (A.)
Sent: Tuesday, May 28, 2002 8:50 AM
To: Akins, Mary (M.); Alles, Sheran (S.A.); Awad, Mahmoud (M.I.); Ayers, Don; Freeland, Mark (M.); Gates, Freeman (F.C.); Maurer, James (J.B.); McCarty, Bill (W.D.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Perry, Brian (B.J.); Plante, Paul (P.G.); Poma, Amy (A.); Rossi, Roberto (R.A.); Shors, John (J.); White-Johnson, Patrice (P.)
Subject: Tuesday, May 28, 2002 Kavlico dPFE Sensor Core Team Mtg. Agenda and Issues Deck

Team-

Attached is the Agenda and Issues Deck for the Kavlico dPFE Sensor Core Team Meeting for May 28, 2002 from 1:00 -2:30 p.m. in the POEE FMEI dept. or DI-196. If you have any handouts, please bring 15 copies of same and forward your presentation to me (apoma2) electronically. Thanks.

The following people are on today's Agenda:

**KYONG PARK
DON AYERS
PATRICE WHITE-JOHNSON
JIM MCCOY-SHERAN ALLES**

 **Evilinc Meeting
Agenda_052802....**

 **Rpt_Tanuey@kav1.ppt**

*Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CQ-156
phone-313-390-8849, fax: 313-390-4084
apoma2@ford.com*

5/23/02

created: 12/11/01
revised: 5/6/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D1186

Meeting Date: 5/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Akolkar	Shri	313-69-41908	8th Sigma Black Belt	Ford	POEE	akolkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	albrecht@ford.com
*		Allee	Sheran	313-69-40658	EESE - AVT Writing Specialist	Ford	AVT6	allees@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	arnold@ford.com
		Auller	Jim	313-32-38783	Chief Engineer	Ford	POEE	jauller@ford.com
*	AM	Awad	Mahmoud	313-24-88889	Reliability Engineer/Field Data Leader	Ford	POEE	maawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansek	Catherine	313-32-38101	FMEI CPMT Eng./WE/Pe concerns	Ford	POEE	cbansek2@ford.com
		Bersuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	bersude@ford.com
		Biscl	Garry	313-24-88280	ECL Supervisor	Ford	TWCTDR	gbiscl@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Danes	Adam	313-32-28898	Master Black Belt	Ford	POEE	adanese@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-68003	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		DeGiase	Jim	313-33-72655	Vehicle Environmental Engineering	Ford	FPB4	jdigiase@ford.com
		Freeland	Mark	313-69-47645	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-89087	4.8L OPD	Ford	POEE	cgalante@ford.com
		Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Hanges	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhanges@ford.com
		Jahshan	John	734-686-2789	PCSE Applications Engineer	Viateon	POEE	jahshan@viateon.com
		Janda	Jon	313-24-82589	8th Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Korazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkorazi@ford.com
		King	Lamar	313-69-41633	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Koszewik	John	313-32-28973	Chief Engineer	Ford	POEE	jkoszewi@ford.com

created: 12/11/01
 revised: 5/8/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1188

Meeting Date: 5/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Dief	313-20-85930	PT Focus Program Mgr.	Ford	VPC	dkunde1@ford.com
		Magura	Gordon	313-32-28682	Leader	Ford	FP84	gmagura@ford.com
	JM	Maurer	Jim	313-39-03672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41091	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muser	Doreen	313-248-8391	Recall Analyst	Ford	FCSD	dmuser@ford.com
	*	Niglsen	Chris	734-25-69886	Service Buyer	Ford	FCSD	cniglsen4@ford.com
	*	O'Neil	Jim	313-32-28838	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswick	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	goswick@ford.com
	WJC	Poma	Amy	313-360-8848	Proj. Mgt. Analyst	Project Solutions	POEE	apoma2@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84868	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
	*	Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escort S	Ford	POEE	bperry@ford.com
	*	Plante	Paul	313-84-54188	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88803	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquapan	Al	313-24-84329	APTE PT CPS	Ford	APTE	araqapan1@ford.com
	*	Ross	Robert	313-84-51438	Wiring CPS - EESE Leader	Ford	Bldg. #1	rross1@ford.com
		Schleding	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschled@ford.com
	*	Shore	John	734-25-69789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamashiro	Tony	805-523-2000	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com
		Trujillo	Tom	313-32-38285	OBC Lawyer	Ford	PDC	ttru2@ford.com
		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitej@ford.com
		Williamson	Rick	313-24-88348	ECL Prod. Con. Anal.	Ford	FCSD	rywill10@ford.com
		McCoy J	Jim	313-33-79670	HAWTHORNE Comm. Int. Group	Ford	FMEI	jmacoy@ford.com

5082-027-0 3572



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: May 23, 2002
Time: 1-2:30 p.m.
Location: POBH, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): May 28, 2002, Core Team Meeting
 May 30, 2002, Core Team Meeting

Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>ERSE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akina	Jim O'Neal	Mahmoud Awad	Sheran Alica	Chris Nielson
Shri Alkolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCoy
Jon Janda	Kyong Park	Chris Panaretos			Patrice White-Johnson
		Paul Plante		<u>FCSE</u>	
<u>Team Leader</u>	<u>Visteon</u>	Carol Verner		Ken Arnold	
Jim Maurer	John Jabalan			Brian Perry	

Meeting Agenda - 5/16/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Update on Kavlico/Ford May 20, 2002 mtg. W/ Analytical Sol.		Jim Maurer, Mark Freeland, Freeman Gates	20 minutes
2. Update on Body and Assembly plant failures at Norfolk	I3, A3	Don Ayers	10 minutes
3. STA weekly update.		Patrice White-Johnson	5 minutes
4. Post transient voltage parts-what to do w/parts once inspected.		Mark Freeland	10 minutes
5. Stalls assignment update re: status of vehicle testing		Jim McCoy	10 minutes
6. Update from May 20 Issues Resolution mtg.		Jon Janda	10 minutes
7. Walk-ins		All	20 minutes

<u>Proposed Next Meeting Agenda 5/28/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to spora2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 5/22/02
 Kavlico dPFE Sensor Core Team

8902-027-0 8074

5/21/02

Poma, Amy (A.)

From: Poma, Amy (A.)
Sent: Friday, May 17, 2002 9:27 AM
To: Aldns, Mary (M.); Alkolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Ailes, Sheran (S.A.); Arnold, Kenneth (K.M.); Auler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoske, Pete (P.F.); Baneek, Catherine (C.K.); Bersuder, Lee (L.C.); Bisal, Gerry (G.); Bronni, Mark (M.J.); Bugaj, Barry; Danae, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hargas, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Kozewnik, John (J.J.); Kunde, Oief (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Poma, Amy (A.); Popoff, Daniel (D.M.); Raquepau, Alden (A.P.); Rosai, Roberto (R.A.); Schleding, Kurt (K.J.); Shore, John (J.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-johnson, Patrice (P.); Williamson, Richard (E.)
Subject: Tuesday May 21st 1:00-2:30 p.m. meeting CANCELLED

Team,

Please be advised that due to Ford and Kavlico traveling to Analytical Solutions next week we will not be having our regularly scheduled meeting on Tuesday, May 21, 2002.

We will meet again on Thursday, May 23, 2002 at 1:00. I will be forwarding the Issues Deck and Agenda today.

Amy Poma
Engine Engineering-Project Mgmt.
AOEE Building, FMEI Cube CQ-156
phone-313-390-8849, fax: 313-390-4084
apomaz@ford.com

Panaretos, Christine (C.M.)

From: Nielsen, Christian (C.A.)
Sent: Wednesday, January 30, 2002 3:23 PM
To: Panaretos, Christine (C.M.)
Subject: RE: Meeting Minutes from 1/24 and 1/29/02 Kavlico dPFE Sensor Core Team

Chris,

Thanks for the update. I need to make one clarification: John Shore handles recall campaign information. He will provide numbers for any potential recalls. I am the Buyer. I will handle any commercial issues for FCSD. I need to be involved in any service only issues.

Chris Nielsen
Buyer, Electrical/Electronics
Ford Customer Service Division
734 266-9886

-----Original Message-----

From: Panaretos, Christine (C.M.)
Sent: Wednesday, January 30, 2002 1:04 PM
To: Aldin, Mary (M.); Albrecht, Guenter (G.K.); Ailes, Sheran (S.A.); Arnold, Kenneth (K.M.); Auller, Jim (J.E.); Awad, Mahmoud (M.L.); Ayers, Don; Bandoaka, Pete (P.F.); Barsak, Catharine (C.K.); Barsuder, Leo (L.C.); Blas, Garry (G.); Bronni, Mark (M.J.); Davies, Brady; Deeb, Joe (J.S.); Douglas, Jim (J.B.); Fraeland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Hargas, Jon (J.); Jahshan, John; Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerezi, Karen (K.J.); Koszownik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Miller, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Oswald, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raquepau, Aiden (A.P.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Seboki, Lynn (L.A.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patricia (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)

Subject: Meeting Minutes from 1/24 and 1/29/02 Kavlico dPFE Sensor Core Team

Attached please find the meeting minutes from the above Kavlico TM dPFE Sensor Core team meetings. If you have any questions, please contact me.


<< File: Kavlico Meeting Minutes_012402.doc >> << File: Kavlico Meeting Minutes_012902.doc >>

Chris Panaretos

Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29265

Panaratos, Christine (C.M.)

From: Don Ayers [DAyers@kavlico.com]
Sent: Tuesday, January 29, 2002 9:49 PM
To: Panaratos, Christine (C.M.)
Cc: makins@ford.com; Randy Ray
Subject: Kavlico Presentation for Thurs. Offsite


Ford Dearborn 14D
Offsite 1-31...

Christine -

Here's a copy of Kavlico's presentation for the offsite on Thurs.

Thanks,
Don Ayers

<<Ford Dearborn 14D Offsite 1-31-02_Rev29Jan.ppt>>

Panaretos, Christine (C.M.)

From: Harris, Larry (L.T.)
Sent: Tuesday, January 22, 2002 3:52 PM
To: Panaretos, Christine (C.M.)
Cc: Owens, Karen (K.E.)
Subject: FW: Update: 07537888

-----Original Message-----

From: Help Desk Trouble Ticket System
[mailto:remedy@eccis10.darborn.ford.com]
Sent: Tuesday, January 22, 2002 3:50 PM
To: lharris4@ford.com
Subject: Update: 07537888

This note is automatically generated, please do not reply to this message as we are unable to act upon your reply. If you wish to add comments to your open ticket, you may do so at the following web site:
<http://www.recenttickets.ford.com>.

Incident Id : 07537888
Status : AssignedToGroup
Symptoms : Application Problem: Please create a new Group Directory, named KAVLICO, on one of the POEE servers, give access to the following CDSID's: makins, salles, karnold, mawad, mfreelal, fgates, joneall, kowens, cpanarer, bperry, pplante, rrossil, kschiedi, jaxmythel, cvarner..

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Tuesday, January 22, 2002 3:47 PM
To: Plante, Paul (P.G.)
Cc: Owens, Karen (K.E.)
Subject: 1/22/02 Kavlico Team Meeting Minutes


Paul,

Attached are the minutes I have put together from today's meeting. I will not send them out until we review.

Kurt Schieding suggested we have the offsite at the "Conference Events Center", which is the old Spirit of Ford building. He said he was there last week and it was great. You may want to talk to him about it.

Lastly, I discussed the shared drive with Larry Harris. He said he has put in a request for us to have one dedicated, but has not received a response. He will be opening up a "ticket" and will e-mail me with the information.

I have 9:30 open on my calendar tomorrow to review meeting minutes, normally with Karen. If you want to go over issues and minutes at that time, please let me know by 5:00 today.


Revision Meeting
minutes_012202...

Chris Panaretos

Project Manager, Project Solutions, LLC.
3rd POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29285

request for showed drive for Jim
O'Neill's dept. N415.

Copy processed - will put in another
folder.

Panaretos, Christine (C.M.)

From: Plante, Paul (P.G.)
Sent: Tuesday, January 22, 2002 10:12 AM
To: Panaretos, Christine (C.M.)
Subject: Team Mailings

Please send Agenda's to Sue Porosky, John Koszewnik admin, as well as John so she can prioritize his calendar.

John Shore: Add * as team leader core person. Send him the official Outlook meeting notice for his calendar.

Today, John will be in at 1:00PM as you know. The purchasing people can NOT attend so that item will be much shorter. We will fill in with John questions.

Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pillar D5
Tela. 313-84-54138; Fax 39-02513
Text Pager: 734-286-1905
E Mail: pplante@ford.com (CDS ID PPLANTE)

Panaretos, Christine (C.M.)

From: Perry, Brian (B.J.)
Sent: Wednesday, January 16, 2002 10:18 PM
To: Panaretos, Christine (C.M.)
Subject: RE: Meeting Agenda for 1/17/02 Kavlico dPFE Sensor

Please make the following modifications to this meeting notice.

Change PTSE to PCSE
Add me under Ken Arnold as a core team participant.

Thanks.

Regards,
Brian J. Perry
Supervisor - G170, U291 & Outsourced Control Systems
GCE-PCSE-Powertrain Electronic Applications
Phone/Fax (313) 89-04170 POEE Bldg MD 75, Cube AP-062

-----Original Message-----

From: Panaretos, Christine (C.M.)
Sent: Wednesday, January 16, 2002 4:10 PM
To: Aldne, Mary (M.); Albrecht, Guenter (G.K.); Atlas, Sheran (S.A.); Arnold, Kenneth (K.M.); Auller, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoike, Pete (P.F.); Bensek, Catherine (C.K.); Benschler, Len (L.C.); Blesl, Gerry (G.); Bronni, Mark (M.J.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Hanges, Jon (.); Jahshan, John; Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Korot, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olf (O.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Mutar, Doreen (D.J.); Nelson, Christian (C.A.); O'Neal, Jim (J.D.); Oweik, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Rossi, Roberto (R.A.); Schudling, Kurt (K.J.); Sebold, Lynn (L.A.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Verner, Carol (C.); White-Johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Meeting Agenda for 1/17/02 Kavlico dPFE Sensor

Attached please find the meeting agenda for the Kavlico dPFE Sensor team meeting that will be held tomorrow from 1-3:00 p.m. The conference room is located in the FMEI department at the far south-end of the building. If you are a presenter on this agenda, please have handouts (20 copies) ready (for non-confidential documents). There will be an overhead projector for use during the meeting.

Also, there is now a call-in number for those who cannot physically make the meeting. The call in number (within Ford) is 9-1-954-1149. The outside call in number is 847-619-6158.

If you have any questions, please contact me.
<< File: Kavlico Meeting Format_011702.doc >>

Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29265

Panaretos, Christine (C.M.)

From: Arnold, Kenneth (K.M.)
Sent: Wednesday, January 16, 2002 10:18 PM
To: Panaretos, Christine (C.M.)
Subject: RE: Meeting Agenda for 1/17/02 Kavlico dPFE Sensor

Christine, I have been out sick with pneumonia but expect to return next Tuesday. Ken Pascary has been my rep at the meetings. Just a note I represent PCSE not PTSE as the attached chart shows.

-----Original Message-----

From: Panaretos, Christine (C.M.)
Sent: Wednesday, January 16, 2002 4:10 PM
To: Akris, Mary (M.); Albrecht, Guenter (G.K.); Altes, Sheran (S.A.); Arnold, Kenneth (K.M.); Aulter, Jim (J.E.); Awad, Mahmoud (M.L.); Ayers, Don; Bandoska, Pete (P.F.); Bansek, Catherine (C.K.); Bersudler, Lee (L.C.); Biedl, Gerry (G.); Brown, Mark (M.J.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freedland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Hargus, Jon (.); Johnson, John; Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Keresz, Karen (K.J.); Kozsarsnik, John (J.J.); Kunda, Cliff (C.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Muter, Doreen (D.L.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Dewalt, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Planke, Paul (P.G.); Popoff, Daniel (D.M.); Roehl, Roberto (R.A.); Schladng, Kurt (K.L.); Sebold, Lynn (L.A.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Varner, Carol (C.J.); White-Johnson, Patricia (P.); Williams, Richard (E.); Wilson, Cary (C.A.)
Subject: Meeting Agenda for 1/17/02 Kavlico dPFE Sensor

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If you have any questions, please contact me.
<< File: Kavlico Meeting Format_011702.doc >>

Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29265

Panaretos, Christine (C.M.)

From: Muter, Doreen (D.J.)
Sent: Thursday, January 17, 2002 7:38 AM
To: Panaretos, Christine (C.M.)
Cc: Bandooska, Pete (P.F.)
Subject: FW: Meeting Agenda for 1/17/02 Kavlico dPFE Sensor

Chris would you please add me to the distribution list for dPFE and remove Pete Bandooska, thank you.

Doreen J. Muter
Recall & Service Programs—FCSD
Diagnostic Service Center II, Cube 793
Phone #:313-248-9391
dmuter@ford.com

—Original Message—

From: Bandooska, Pete (P.F.)
Sent: Wednesday, January 16, 2002 4:18 PM
To: Muter, Doreen (D.J.)
Subject: FW: Meeting Agenda for 1/17/02 Kavlico dPFE Sensor

FYI.

Pete Bandooska, PBANDOSK@FORD.COM,
Program Manager, Recall and Service Programs,
JSD, Ph. 313-93-72791, FAX 313-84-61024, Rm. 806, D8C2

—Original Message—

From: Panaretos, Christine (C.M.)
Sent: Wednesday, January 16, 2002 4:10 PM
To: Akina, Mary (M.); Albrecht, Guenther (G.K.); Allen, Sheran (S.A.); Arnold, Kenneth (K.M.); Aulter, Jim (J.E.); Aved, Mahmoud (M.J.); Ayers, Don; Bandooska, Pete (P.F.); Bandooska, Catherine (C.K.); Bersicker, Lee (L.C.); Bless, Garry (G.); Bronn, Mark (M.J.); Davies, Brady; Deeb, Joe (J.S.); Douglas, Jim (J.B.); Friesland, Mark (M.); Gates, Freeman (F.C.); Gordano, Mike (M.A.); Hargas, Jon (J.); Jahshan, John; Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerst, Karen (K.L.); Kozewnik, John (J.J.); Kurke, Claf (C.); Masura, Gordon (G.P.); McCarthy, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Hara, Jim (J.D.); Oswald, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyong; Paszary, Ken (K.M.); Perry, Brian (B.L.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Sebold, Lynn (L.A.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Verner, Carol (C.J.); White-Johnson, Patricia (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Meeting Agenda for 1/17/02 Kavlico dPFE Sensor

Attached please find the meeting agenda for the Kavlico dPFE Sensor team meeting that will be held tomorrow from 1-3:00 p.m. The conference room is located in the FMEI department at the far south-end of the building. If you are a presenter on this agenda, please have handouts (20 copies) ready (for non-confidential documents). There will be an overhead projector for use during the meeting.

Also, there is now a call-in number for those who cannot physically make the meeting. The call in number (within Ford) is 9-1-954-1149. The outside call in number is 847-619-6158.

If you have any questions, please contact me.


Kavlico Meeting
00001_011702

Panaretos, Christine (C.M.)

From: Planitz, Paul (P.G.)
Sent: Tuesday, January 15, 2002 2:52 PM
To: Panaretos, Christine (C.M.)
Subject: RE: Kavlico dPFE Sensor Core Team Meeting

Put this phone number into meeting logistics on the agenda. Also add Web address when available.

-----Original Message-----

From: Panaretos, Christine (C.M.)
Sent: Tuesday, January 15, 2002 2:03 PM
To: Roel, Roberto (R.A.)
Co: Owens, Karen (K.E.); Planitz, Paul (P.G.)
Subject: RE: Kavlico dPFE Sensor Core Team Meeting

Hi Robert,
Thanks, I think we will do that in the future. Can it be used indefinitely?

Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-88387
Fax: (313) 32-28265

-----Original Message-----

From: Roel, Roberto (R.A.)
Sent: Tuesday, January 15, 2002 11:56 AM
To: Panaretos, Christine (C.M.)
Subject: RE: Kavlico dPFE Sensor Core Team Meeting

Chris,

If you want we can use my Phone Conference Call In Number

Conference Phone
Inside Ford: 9-1-954-1149
Outside Ford: 847-619-6158
Passcode: 6881436#

Robert Roel
Electrical/Electronic Systems Campaign Prevention Specialist
North American Car Lifestyle Vehicles
Phone/Fax: 84-51436

-----Original Appointment-----

From: Panaretos, Christine (C.M.)
Sent: Tuesday, January 15, 2002 11:09 AM
To: Akins, Mary (M.); Allen, Sheron (S.A.); Arnold, Kenneth (K.M.); Awad, Mahmoud (M.I.); Ayers, Dorc; Frelsand, Mark (M.); Gabos, Freeman (F.C.); O'Neil, Jim (J.D.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Perry, Brian (B.J.); Planitz, Paul (P.G.); Roel, Roberto (R.A.); Schieding, Kurt (K.L.); Smythe, Joseph (J.M.); Verner, Carol (C.J.)
Co: Schieding, Kurt (K.L.); Akins, Mary (M.); Planitz, Paul (P.G.); Verner, Carol (C.J.)
Subject: Updated: Kavlico dPFE Sensor Core Team Meeting
Start: Tuesday, January 15, 2002 12:00 PM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).
Location: POEE 01286 (War Room in FMEI Dept.)
Importance: High

Panaretos, Christine (C.M.)

From: Balint, Gary (G.S.)
Sent: Thursday, January 10, 2002 8:05 AM
To: Panaretos, Christine (C.M.)
Subject: RE: Meeting Minutes from 1/8/02 Kavlico dPFE Sensor

Please replace my name (GBALINT) on this distribution with Pete Bardoske (PBANDOSK) and Doreen Mutar (DMUTER). Thanks.

—Original Message—

From: Panaretos, Christine (C.M.)
Sent: Wednesday, January 09, 2002 3:21 PM
To: Alda, Mary (M.); Albrecht, Guenter (G.K.); Allen, Sheran (S.A.); Arnold, Kenneth (K.N.); Aulier, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Balint, Gary (G.S.); Banek, Catherine (C.K.); Barsouler, Lee (L.C.); Basi, Gerry (G.); Brunel, Mark (M.L.); Davies, Brady; Deeb, Joe (J.S.); Frisland, Mark (M.); Garza, Freeman (F.C.); Giordano, Mike (M.A.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Keresi, Keren (K.I.); Kunda, Olaf (O.); Masura, Gordon (G.P.); McCarty, Bill (W.D.); Nelson, Christian (C.A.); O'Neal, Jim (J.D.); Oswald, Greg (G.G.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Park, Kyung; Perry, Brian (B.I.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Rossi, Roberto (R.A.); Schladig, Kurt (K.I.); Shora, John (J.); Smythe, Joseph (J.N.); Tamashiro, Terry; Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Cc: 'jshahan@kavico.com'; 'bbupa@kavico.com'; Williams, Les (LHW.)
Subject: Meeting Minutes from 1/8/02 Kavlico dPFE Sensor

*Done
/hc*

Attached please find the meeting minutes from Tuesday's Kavlico dPFE Sensor. If you have any questions, please feel free to contact me.

<< File: Kavlico Meeting Minutes_010802.doc >>

Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-88337
Fax (313) 32-29265

Panaretos, Christine (C.M.)

From: Owens, Karen (K.E.)
Sent: Monday, January 07, 2002 3:48 PM
To: Panaretos, Christine (C.M.)
Cc: Plants, Paul (P.G.)
Subject: RE: Meeting Minutes from Today's (1/3/02) Meeting

Chris, I spoke with Gitanji McRoy on January 3, 2002 and she agreed that Karen Kerezl will be able to assist our team. She only asks that Mary Aldns initially sit with her and Karen for the first request. I shared this with Mary and she intends to proceed as requested. Thank you.

Change is Good. Proactivity is Better!

Karen E. Owens

Supervisor

4.0L Engine Systems

(off) 313.845.5770

(fax) 313.390.2513

—Original Message—

From: Panaretos, Christine (C.M.)
Sent: Thursday, January 03, 2002 4:25 PM
To: Aldns, Mary (M.); Awad, Mahmoud (M.L.); Ayers, Don; Frelsand, Mark (M.); Gabas, Freeman (F.C.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Plants, Paul (P.G.); Schaefer, Kurt (K.J.); Smythe, Joseph (J.M.); Verner, Carol (C.J.)
Subject: Meeting Minutes from Today's (1/3/02) Meeting

Attached please find the meeting minutes from today's meeting. If you have any questions, please contact me.

<< File: Kavlico Meeting Minutes_010302.doc >>

Chris Panaretos

Project Manager, Project Solutions, LLC.

Ford POEE, Components "B"

(313) 24-89337

Fax: (313) 32-29265

Panaretos, Christine (C.M.)

From: Randy Ray [RRay@kavlico.com]
Sent: Wednesday, January 02, 2002 3:58 PM
To: 'Panaretos, Christine (C.M.)'
Subject: RE: Kavlico dPFE Sensor Core Team Meeting

*Add to Kavlico
Attendance*

Mary,

Thanks for the update. My phone number is (805) 523-2000 x2249 if you need to get a hold of me.

Respectfully,

Randy Ray

> -----Original Message-----

> From: Panaretos, Christine (C.M.) [SMTP:cpanaret@ford.com]
> Sent: Wednesday, January 02, 2002 12:28 PM
> To: Randy Ray (E-mail)
> Subject: FW: Kavlico dPFE Sensor Core Team Meeting

> Randy,

> I haven't received a call in number as of yet. When I get one I will forward it on to you. There is a chance we will be calling you. I will let you know.

> Barry said he and Gary have had discussions with you and most likely will have another tomorrow before this meeting. It sounds like you are up to speed, if anything else comes up I will let you know before the meeting.

> Mary

> > -----Original Appointment-----

> > From: Panaretos, Christine (C.M.)
> > Sent: Wednesday, December 19, 2001 10:07 AM
> > To: Panaretos, Christine (C.M.); Akins, Mary (M.); Awad, Mahmoud (M.I.);
> > 'Ayers, Don'; Freeland, Mark (M.); Gatas, Freeman (F.C.); Owens, Karen
> > (K.E.); Panaretos, Christine (C.M.); Plante, Paul (P.G.); Schieding, Kurt
> > (K.J.); Smythe, Joseph (J.M.); Verner, Carol (C.J.)
> > Subject: Kavlico dPFE Sensor Core Team Meeting
> > When: Thursday, January 03, 2002 1:00 PM-3:00 PM (GMT-05:00)
> > Eastern Time (US & Canada).
> > Where: POSE DI186 (War Room in FMEI Dept.)

> > These are the ongoing meetings for the Kavlico TM dPFE sensor. The Thursday meetings will last 2 hours. We will have a teleconference with Kavlico and any other team members who are unable to attend but still want to participate. The telephone number to the conference room and passcode will be sent in another notice.

Panaretos, Christine (C.M.)

From: Plante, Paul (P.G.)
Sent: Wednesday, December 19, 2001 12:54 PM
To: Panaretos, Christine (C.M.)
Subject: dPFE Sensor 1/3/02 agenda adds:

- 1) Introduce new team members from PCSE and EESE.
- 2) Overview for new members
- 3) Rewrite of Issue One Pager root cause (P. Plante) per Dan Kapp
- 4) R/1000 Focus Risk Assessment data (Mark Freeland)

There will be (6) new team members from EESE and PTSE/PCSE. I will have names Friday, and will let you know.

Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pillar D5
Tele. 313-84-54136; Fax 39-02513
Text Pager: 734-296-1905
E Mail: pplante@ford.com (CDS ID PPLANTE)

Panaretos, Christine (C.M.)

From: Plante, Paul (P.G.)
Sent: Wednesday, December 19, 2001 8:35 AM
To: Verner, Carol (C.L.); Panaretos, Christine (C.M.)
Subject: RE: Kavlico 14D Core Team Meeting Room

I understand, thanks for the effort, we will stop at 2:30 on Tuesdays.

-----Original Message-----

From: Verner, Carol (C.L.)
Sent: Wednesday, December 19, 2001 9:31 AM
To: Plante, Paul (P.G.); Panaretos, Christine (C.M.)
Cc: Owens, Karen (K.E.)
Subject: RE: Kavlico 14D Core Team Meeting Room

Paul,

I confirm the 3PM end time for Thursdays only. (I reserved it from 1 - 3:30 just in the event of discussion by individuals after the meeting ends) I could only book 1- 2:30PM on Tuesdays because Raul Samazdarich has it from 2:30 - 4:30PM every Tuesday.

I will put the Kavlico 14D Core Mtg on top of E. Wheeler for 01/08/02 from 1 - 2:30pm. (Again Raul has 2:30-4:30 on that day as well).

Carol

-----Original Message-----

From: Plante, Paul (P.G.)
Sent: Wednesday, December 19, 2001 7:58 AM
To: Verner, Carol (C.L.); Panaretos, Christine (C.M.)
Subject: RE: Kavlico 14D Core Team Meeting Room

1:00-3:00 PM Tuesday and Thursday. If calendar restricts us to 2:30 on a few occasions, that is all right. We are all set and clear w/ Faadni and Wheeler. Your correct all future rooms and meeting prep items can be done by Chris. Thanks for the help on this one!

Chris I think we are all set for base meetings, may need some help in the future on special meetings. Can you send out the official meeting notice as soon as Carol confirms the 3:00 PM end time?

-----Original Message-----

From: Verner, Carol (C.L.)
Sent: Tuesday, December 18, 2001 5:27 PM
To: Plante, Paul (P.G.)
Cc: Owens, Karen (K.E.); Panaretos, Christine (C.M.)
Subject: Kavlico 14D Core Team Meeting Room

Paul,

I have booked the core team meetings for the Kavlico bn-dpfe sensor issue for all of 2002 on Tuesdays (1 - 2:30PM) and Thursday from 1 - 3PM in the FMEI Department War Room (D1186).

Moving forward I am removing myself from booking rooms for regular or special meetings. This activity should side with the PMA assigned to the project as it will eliminate the disconnects regarding who is scheduling meetings for the team.

Carol

Panaretos, Christine (C.M.)

From: Verner, Carol (C.J.)
Sent: Wednesday, December 19, 2001 8:31 AM
To: Plants, Paul (P.G.); Panaretos, Christine (C.M.)
Cc: Owens, Karen (K.E.)
Subject: RE: Kavlico 14D Core Team Meeting Room

Paul,

I confirm the 3PM end time for Thursdays only. (I reserved it from 1 - 3:30 just in the event of discussion by individuals after the meeting ends) I could only book 1- 2:30PM on Tuesdays because Raul Samazderich has it from 2:30 - 4:30PM every Tuesday.

I will put the Kavlico 14D Core Mtg on top of E. Wheeler for 01/08/02 from 1 - 2:30pm. (Again Raul has 2:30-4:30 on that day as well).

Carol

-----Original Message-----

From: Plants, Paul (P.G.)
Sent: Wednesday, December 19, 2001 7:58 AM
To: Verner, Carol (C.J.); Panaretos, Christine (C.M.)
Subject: RE: Kavlico 14D Core Team Meeting Room

1:00-3:00 PM Tuesday and Thursday. If calendar restricts us to 2:30 on a few occasions, that is all right. We are all set and clear w/ Fasani and Wheeler. Your correct all future rooms and meeting prep items can be done by Chris. Thanks for the help on this one!

Chris I think we are all set for base meetings, may need some help in the future on special meetings. Can you send out the official meeting notice as soon as Carol confirms the 3:00 PM end time?

-----Original Message-----

From: Verner, Carol (C.J.)
Sent: Tuesday, December 18, 2001 5:27 PM
To: Plants, Paul (P.G.)
Cc: Owens, Karen (K.E.); Panaretos, Christine (C.M.)
Subject: Kavlico 14D Core Team Meeting Room

Paul,

I have booked the core team meetings for the Kavlico tm-dpfe sensor issue for all of 2002 on Tuesdays (1 - 2:30PM) and Thursday from 1 - 3PM in the FMEI Department War Room (D1186).

Moving forward I am removing myself from booking rooms for regular or special meetings. This activity should reside with the PMA assigned to the project as it will eliminate the disconnects regarding who is scheduling meetings for the team.

Carol

Panaretos, Christine (C.M.)

From: Plante, Paul (P.G.)
Sent: Wednesday, December 19, 2001 7:58 AM
To: Verner, Carol (C.J.); Panaretos, Christine (C.M.)
Subject: RE: Kavlico 140 Core Team Meeting Room

1:00-3:00 PM Tuesday and Thursday. If calender restricts us to 2:30 on a few occasions, that is all right. We are all set and clear w/ Fsadni and Wheeler. Your correct all future rooms and meeting prep items can be done by Chris. Thanks for the help on this one!

Chris I think we are all set for base meetings, may need some help in the future on special meetings. Can you send out the official meeting notice as soon as Carol confirms the 3:00 PM end time?

-----Original Message-----

From: Verner, Carol (C.J.)
Sent: Tuesday, December 18, 2001 5:27 PM
To: Plante, Paul (P.G.)
Cc: Owens, Karen (K.E.); Panaretos, Christine (C.M.)
Subject: Kavlico 140 Core Team Meeting Room

Paul,

I have booked the core team meetings for the Kavlico tm-dpfe sensor issue for all of 2002 on Tuesdays (1 - 2:30PM) and Thursday from 1 - 3PM in the FMEI Department War Room (D1186).

Looking forward I am removing myself from booking rooms for regular or special meetings. This activity should reside with the PMA assigned to the project as it will eliminate the disconnects regarding who is scheduling meetings for the team.

Carol

Panaretos, Christine (C.M.)

From: Verner, Carol (C.J.)
Sent: Tuesday, December 18, 2001 5:27 PM
To: Plante, Paul (P.G.)
Cc: Owens, Karen (K.E.); Panaretos, Christine (C.M.)
Subject: Kavlico 14D Core Team Meeting Room

Paul,

I have booked the core team meetings for the Kavlico tm-dpfe sensor issue for all of 2002 on Tuesdays (1 - 2:30PM) and Thursday from 1 - 3PM in the FMEI Department War Room (D1186).

Moving forward I am removing myself from booking rooms for regular or special meetings. This activity should reside with the PMA assigned to the project as it will eliminate the disconnects regarding who is scheduling meetings for the team.

Carol

Panaretos, Christine (C.M.)

From: Freeland, Mark (M.)
Sent: Friday, December 14, 2001 3:05 PM
To: Panaretos, Christine (C.M.)
Subject: Names for the roster

Christine,

The Kavlico person who manages the warranty analysis is

Terry Tamashiro, Email: ttamashiro@kavlico.com, (806) 523-2000

Regards

Mark Freeland

6-Sigma Black Belt Candidate
Physics Department
Ford Research Laboratory
P.O. Box 2053
MD 3028 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreela1@ford.com
Tel.: (313) 594-7645

✓ Done

Add to dist. list

Panaretos, Christine (C.M.)

From: Verner, Carol (C.J.)
Sent: Monday, December 10, 2001 4:22 PM
To: Panaretos, Christine (C.M.)
Cc: Owens, Karen (K.E.); Plante, Paul (P.G.)
Subject: RE: Kavlico TM-dPFE Working Group Meeting

Hello, Chris

See Karen Owens tomorrow at the meeting regarding ownership of the documents. She will have the floppy disc with the files contained.

Carol

-----Original Message-----

From: Panaretos, Christine (C.M.)
Sent: Monday, December 10, 2001 4:05 PM
To: Verner, Carol (C.J.)
Cc: Plante, Paul (P.G.)
Subject: RE: Kavlico TM-dPFE Working Group Meeting

Carol,

Can you please tell me who the author/owner is of these documents? Also, is there an on-going meeting schedule that needs to be set up? I would like to get started on these things as soon as possible. Thanks.

Chris Panaretos

Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-88337
Fax: (313) 32-29265

-----Original Appointment-----

From: Verner, Carol (C.J.)
Sent: Monday, December 10, 2001 3:08 PM
To: Verner, Carol (C.J.); Panaretos, Christine (C.M.); Plante, Paul (P.G.); Akhs, Mary (M.); Owens, Karen (K.E.)
Cc: Schieding, Kurt (K.L.); Awad, Mahmoud (M.I.); Freeland, Mark (M.)
Subject: Kavlico TM-dPFE Working Group Meeting
When: Tuesday, December 11, 2001 9:00 AM-12:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Facilities C7R: DB046 (Same room as today)

Agenda,

Follow through on assignments from the 12/10/01 review.

These are the files of the package given to John Kos & Frank Fedani at today's review. (With the exception of the roster list. I updated it to reflect department names)

<< File: 14 D Open Items List.xls >> << File: 14 D Text.doc >> << File: 14D kavlico tm-dpfe roster.xls >>

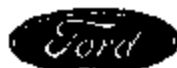


Kavlico TM dPFE Sensor

**Meeting Minutes, Attendance
Sheets**

BOOK 1 - 12/01 THRU 2/02

2/27/02
1000000000



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: February 28, 2002
Time: 1-3:00 p.m.
Location: POBE, DI-196 (FMRI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): March 5, 2002, DI-196, 1-2:30 p.m.
 March 7, 2002, DI-196, 1-3:00 p.m.
Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-519-6158 (outside) Passcode: 68814368

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>Y-Engine</u>	<u>Quality Office</u>	<u>HESH</u>	<u>Purchasing</u>
Mark Precland	Mary Atkins	Jim O'Neill	Mahmoud Awad	Sheran Altes	Joe Smythe
Shri Akolkar	Don Ayers	Freeman Gates	Kurt Schieding	Robert Rossi	Chris Nielsen
Jon Junda		Chris Panaretos			
		Paul Plante		<u>PCSE</u>	
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 2/26/02

<u>Order of Agenda Items</u>	<u>Cont. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Review of Kavlico work plan for UPAD	13, A1&3	Jay Coffee	10
3. Overlay of Kavlico and Ford changes on stack chart	18, A4	Mahmoud Awad	10
4. Rick Williamson's analysis of F150 stall repairs	11, A1	All	10
5. Analysis of recently returned parts from vehicle assy. plants	13, A3	All	30
6. Update on obtaining fleet vehicles from buy-back lists/discussion of car requirements for testing	16, A3 & 110, A6,7	Carol Verner	5
7. Pressure/voltage data for Zerklink and SMI sensors	112, A4	All	5
8. Walk-in's (including Latchup on ESD Test)		Paul Plante	15
9. Next meeting (3/5) agenda			5

<u>Proposed Next Meeting Agenda 3/5/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>
Analysis of data from Kavlico returns	Loay Saleh	20 minutes
Pareto of customer symptoms	Mahmoud Awad	10 minutes
Updates on vehicles for fleet/engineering	Carol Verner	10 minutes
Offsite assignments	All	30 minutes
Vehicle electrical testing	Rob Rossi	20 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 3/4/02
 Kavlico dPFE Sensor Core Team



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: February 26, 2002
Time: 1-3:00 p.m.
Location: POEB, DL-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): March 5, 2002, DL-196, 1-2:30 p.m.
 March 7, 2002, DL-196, 1-3:00 p.m.
Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 68814368

Core Team Participants

Block Holds	Kavlico	V-Engine	Quality Office	BESB	Purchasing
Mark Froeland	Mary Atkins	Jim O'Neall	Mahmoud Awad	Sheran Ailes	Joe Smythe
Shel Akolkar	Don Ayers	Freeman Gates	Kurt Schleding	Robert Rossi	Chris Nielsen
Jon Janda		Chris Panaretos			
		Paul Plinto		PCSB	
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 2/26/02

<u>Order of Agenda Items</u>	<u>Cont. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Review of Kavlico work plan for UPAD	B3, A1 B3, A3	Jay Caffeo	10
3. Overlay of Kavlico and Ford changes on stock chart	B3, A1	Mahmoud Awad	10
4. Rick Wilkenson's analysis of F150 stall repairs	B3, A1	All	10
5. Analysis of recently returned parts from vehicleassy. plants	B3, A1	All	30
6. Update on obtaining fleet vehicles from buy-back lists/discussion of car requirements for testing	B6, A3 & I10, A6,7	Carol Verner	5
7. Pressure/voltage data for Zarlink and SMI sensors	J12, A4	All	5
8. Walk-in's			15
9. Next meeting (3/5) agenda			5

Proposed Next Meeting Agenda 3/5/02

<u>Person(s) Responsible</u>	<u>Time Estimated</u>
Analysis of data from Kavlico returns	Loay Salehich 20 minutes
Parade of customer symptoms	Mahmoud Awad 10 minutes
Update on vehicles for fleet/engineering	Carol Verner 10 minutes
Office assignments	All 30 minutes
Vehicle electrical testing	Rob Rossi 20 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)

Jim Maurer/cp: 3/1/02
 Kavlico dPFE Sensor Core Team

Panaretos, Christine (C.M.)

From: Maurer, James (J.B.)
Sent: Thursday, February 28, 2002 12:08 PM
To: Panaretos, Christine (C.M.)
Subject: FW: latchup on ESD test

Paul wants to add this to the agenda. If you have already sent the agenda out, I will put this in as a walk-in.

Regards,
Jim Maurer
James B. Maurer
V-Engine 6-Sigma Team Leader
Fuel Metering Dept. V Engine Engineering
Phone (313) 390-3672, Fax (313) 390-4084
Text Page: (313) 795-5219
Email: jmaurer@Ford.com

-----Original Message-----

From: Plante, Paul (P.G.)
Sent: Thursday, February 28, 2002 11:01 AM
To: Alles, Sheran (S.A.); Maurer, James (J.B.)
Subject: RE: latchup on ESD test

Jim, Add to today agenda please.

Sheran thanks.

-----Original Message-----

From: Alles, Sheran (S.A.)
Sent: Thursday, February 28, 2002 10:40 AM
To: Alles, Sheran (S.A.); Rossi, Roberto (R.A.); Freeland, Mark (M.)
Cc: Hermann, Thomas (T.J.); Plante, Paul (P.G.)
Subject: RE: latchup on ESD test

Did ESD (-16.5kV max on our gun) on to door sw no latchup. It could be the large dv/dt (similar to an ESD spike) but need not be as high should still be looked at. Will discuss this afternoon.

Paul, we need to talk about this this afternoon to agree on lab testing focusing on dv/dt transients. Need to establish that our testing is reasonable.

Tom and Rob, hope you could attend.

Regards
-Sheran

-----Original Message-----

From: Alles, Sheran (S.A.)
To: Rossi, Roberto (R.A.); Freeland, Mark (M.)
Cc: Hermann, Thomas (T.J.)
Sent: 2/28/02 10:19 AM
Subject: latchup on ESD test

-10kv on Vref latchup occurred. Latchup on Vsignal at -6.6kv. (the ESD was on nicked wires). They recovered. Should I try with higher voltages for a permanent breakdown or keep doing multiple ESD events at lower voltages ?

Regards
-Sheran

created: 12/11/01
 revised: 2/28/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 POEE - DI-188

Meeting Date: 2/28/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Aldine	Mary	313-24-81889	On-Site Rep.	Kavlico	POEE	maaldine@ford.com
		Alkolkar	Bhr	313-89-41908	Str Sigma Black Belt	Ford	POEE	alkolkar@ford.com
		Albrecht	Günther	313-32-23153	Service Engineer	Ford	POEE	calbrecht@ford.com
*	BB	Allee	Bharan	313-88-40553	EESE - AVT Wiring Specialist	Ford	AVT6	alleeb@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	kenarnold@ford.com
		Auller	Jim	313-32-38788	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-83880	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
*		Avera	Don	805-628-2000	Program Manager/Technical Leader	Kavlico	CA	davera@kavlico.com
		Baneak	Catherine	313-32-38101	FMEI CPMT Eng./MERS concerns	Ford	POEE	cbaneak2@ford.com
		Bersuder	Les	313-84-50881	FQE Supervisor	Ford	TWCTDR	lbersuder@ford.com
		Bisal	Gary	313-24-88280	ECI Supervisor	Ford	TWCTDR	gbisal@ford.com
*	AD	Bronni	Mark	313-24-84500	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Davies	Blady	805-628-2000	Director MEMS Technology	Ford	POEE	bdavies@ford.com
		Deeb	Jee	313-84-88003	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Kavlico	CA	bdavies@kavlico.com
		Douglass	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	POEE	jdougla@ford.com
*	MA	Freedland	Mark	313-89-47845	6-Sigma Black Belt	Ford	FPB4	mfreedla@ford.com
*		Gabba	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgabba1@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgioroda1@ford.com
		Hanges	Jon	313-25-31066	FRL Scan Elec Microscope-Expert	Ford	FRL	jhanges@ford.com
		Jahshan	John	794-688-2789	PCSE Applications Engineer	Vision	POEE	jjahshan@vision.com
		Janda	John	313-24-82589	6-Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Jie	313-84-58282	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kapp	Don	313-33-78554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerezi	Karan	313-20-83987	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
		Kozzavrik	John	313-32-28773	Chief Engineer	Ford	POEE	kozavrik@ford.com
		Kunde	Orin	313-20-85930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gavin	313-32-28882	Leader	Ford	FPB4	gmasura@ford.com

2002-027-D 5802

created: 12/11/01
 revised: 2/28/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 POEE - D1-100

Meeting Date: 2/28/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
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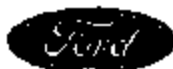
* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	JM	Maurer	Jim	313-39-03672	Team Leader	Ford	POEE	jmaurer@ford.com
*	BM	McCarthy	Bill	313-59-41081	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Mubar	Doreen	313-248-8391	Recall Analyst	Ford	FCSD	dmubar@ford.com
*		Nelson	Chris	734-28-89896	Service Buyer	Ford	FCSD	crnelson4@ford.com
*	JFO	O'Neal	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Orwell	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	gorwell@ford.com
*	PO	Panaretos	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyong	805-823-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84599	PT Electronic Engineer	Ford	POEE	kpascary@ford.com
*		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escapes	Ford	POEE	bperry@ford.com
*	PL	Piante	Paul	313-84-84138	Campaign Manager	Ford	POEE	cpiante@ford.com
		Popoff	Dan	313-24-88803	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE FT CPS	Ford	APTE	araquepau1@ford.com
*		Ross	Robert	313-84-51436	Writing CPS - EESE Leader	Ford	Blgd. #1	rross1@ford.com
*		Schleding	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschled@ford.com
*	JS	Shore	John	734-28-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
*		Smythe	Joe	313-82-12996	STA Engineer (Leader)	Ford	FTE	jsmythe@ford.com
		Tamaahiro	Terry	805-823-2000	Warranty Analyst	Kavlico	CA	ttamaahiro@kavlico.com
		Trullio	Tom	313-32-86266	OGC Lawyer	Ford	PDC	ttrullio@ford.com
*	MS	Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patricia	313-39-04409	STA Site Manager	Ford	AVTS	pwhite@ford.com
		Williamson	Rick	313-84-86348	ECI Prod.Con.Anal.	Ford	FCSD	rwill11@ford.com
		Wilson	Gary	313-39-02852	Chief Engineer	Ford	AVTS	gwilson82@ford.com
	CG	GALANTE	CARIS	313-84-5067	4.6 OPS - CIE	FORD	POEE	CGALANTE@Ford.com
		CAREER	JAY		ENGINEERING UPA (working for 12/01)	KAVICO		
		HERMAN	TERI					

E002-027-D 0903

EM62-027-D 0001

2/1/62



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: February 26, 2002
Time: 1-3:00 p.m.
Location: POBE, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): February 28, 2002, DI-196, 1-2:30 p.m.
 March 5, 2002, DI-196, 1-3:00 p.m.
Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#

Core Team Participants

Black Belts	Kavlico	V-Rings	Quality Office	EESE	Purchasing
Mark Frelund	Mary Akins	Jim O'Neill	Mahmoud Awad	Sheran Alles	Jon Smythe
Shri Akolkar	Don Ayers	Freeman Gates	Kurt Schieding	Robert Rossi	Chris Nielsen
Jon Jaoda		Chris Panaretos			
		Paul Plante		<u>PCSE</u>	
<u>Team Leader</u>		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 2/26/02

Order of Agenda Item	Corr. Issue #	Person(s) Responsible	Time Allocated
1. Introductions		All	5 minutes
2. Obtaining Dearborn Customer's vehicle for testing	H-A3	Paul Plante	10
3. Proposed 3/14/02 offsite for cause & effect and is/is not	13-A3 13-A7	All	10
4. Outside experts to help with analysis of failures	13-A8	All	10
5. Parser report data for Kavlico sensors	13-A3 13-A3	Mary Akins	5
6. Update on obtaining fleet vehicles from buy-back lists/discussion of car requirements for testing	13-A3 110-A67	Carol Verner	5
7. Pressure/voltage data for Zarlink and SMI sensors	12-A4	All	5
8. Walk-in's	13-A3	Kavlico	5
9. Next meeting (2/28) agenda			5

ES, AS, AT
 12, 13, 14, 15
 110, AL

Proposed Next Meeting Agenda 2/28/02

Proposed Next Meeting Agenda 2/28/02	Person(s) Responsible	Time Estimated
Overlay of Kavlico and Ford changes on stack chart	Mahmoud Awad	10 minutes
Analysis of data from Kavlico returns	Loay Salsieh	20 minutes
Pareto of customer symptoms	Mahmoud Awad	10 minutes
Update on vehicles for fleet/engineering	Carol Verner	10 minutes
Offsite assignments	All	30 minutes
Review of Kavlico work plan for UPAD	Brady Davies	10 minutes

Notes

Bring handouts (paper copies) for all presentations

Jim Maurer/cp: 02 26 2002
 Kavlico dPFE Sensor Core Team

E902-827-D 5805

created: 12/11/01
 revised: 2/20/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 POEE - D-166

Meeting Date: 2/26/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*		Akina	Mary	313-24-81889	On-Site Rep.	Kavlico	POEE	meking@ford.com
	SA	Akolkar	Shil	313-59-41908	Six Sigma Black Belt	Ford	POEE	akolkar@ford.com
		Albrecht	Gurthar	313-32-25153	Service Engineer	Ford	POEE	albrecht@ford.com
		Allee	Sheran	313-59-40853	EESE - AVT Wiring Specialist	Ford	AVT5	allee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv. Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-32-38763	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-88869	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansak	Catherine	313-32-38101	FMEI CPMT Eng./WEERs concerns	Ford	POEE	cbansak@ford.com
		Bersuder	Lee	313-84-50861	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Blasi	Gary	313-24-88280	ECL Supervisor	Ford	TWCTDR	gblasi@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
*	AD	Davis	Adam	313-32-25998	Master Black Belt	Ford	POEE	adavis@ford.com
	X	Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-59003	PT Elec Appl S.O.L. 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
*	MA	Freedland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FRL	mfreedl1@ford.com
*	MA	Gates	Freeman	313-32-24907	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgiorda1@ford.com
		Hanges	Jon	313-28-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	jhanges@ford.com
		Jahshan	John	734-888-2758	POEE Applications Engineer	Visaton	POEE	jjahshan@visaton.com
	MA	Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kapp	Clan	313-53-78554	AVT Chief Engineer	Ford	POEE	ckapp1@ford.com
		Kerazi	Karen	313-20-83367	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		Kozzawnik	John	313-32-28973	Chief Engineer	Ford	POEE	kozawnik@ford.com
		Kunde	Olef	313-20-88930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gerdon	313-32-29882	Leader	Ford	FPB4	amasura@ford.com

EP02-027-D 5899

created: 12/11/01
 revised: 2/20/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 POEE - DMBS

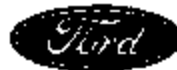
Meeting Date: 2/28/02

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* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	<i>gm</i>	Maurer	Jim	313-39-0872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
	X	Muter	Doreen	313-245-9931	Recall Analyst	Ford	FCSD	dmuter@ford.com
*		Nielsen	Chris	734-26-6986	Service Buyer	Ford	FCSD	cnli204@ford.com
*	<i>JBO</i>	O'Neil	Jim	313-39-2839	FMEI Dept. Mgr.	Ford	POEE	joneil1@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
*		Panaretos	Chris	313-24-86337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
	X	Park	Kyong	805-623-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84666	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
*		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
*	<i>MS</i>	Plante	Reaf	313-94-54136	Campaign Manager	Ford	POEE	rplante@ford.com
		Popoff	Dan	313-24-89903	C&P Quality Eng (Leader)	Ford	VFC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	alraquep1@ford.com
*		Rose	Robert	313-84-61430	Wiring GPS - EESE Leader	Ford	Bldg. #1	rose1@ford.com
*		Schlaeding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	ktschled@ford.com
*		Shore	John	734-26-89788	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
*		Smythe	Joe	313-62-12965	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tamashiro	Tsiry	805-523-2000	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com
		Tuiffo	Tom	313-32-38266	OGC Lawyer	Ford	PDC	ttuiffo@ford.com
*		Varnar	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cvarnar@ford.com
		White-Johnson	Patricia	313-39-04409	STA Site Manager	Ford	AVTS	pwhitej@ford.com
		Williamson	Rjek	313-24-86348	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com
		Wilson	Cary	313-39-02652	Chief Engineer	Ford	AVTS	ewilson3@ford.com

EPR2-827-0 0687

EM82-027-D 5008

ALPHA
METS



KAVLICO
805 531-6574

MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: February 21, 2002
Time: 1-3:00 p.m.
Location: POEB, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): February 26, 2002, DI-196, 1-2:30 p.m.
 February 28, 2002, DI-196, 1-3:00 p.m.
Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Pasacode: 6881436#

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>EBSE</u>	<u>Purchasing</u>
Mark Freehand	Mary Atkins	Jim O'Neill	Mahmoud Awad	Sharon Alles	Joe Strythe
Shel Akolkar	Don Ayers	Freeman Gates	Kurt Schieding	Robert Rossi	Chris Nielsen
Jon Janda		Chris Panaretos			
		Paul Plante		<u>PCSE</u>	
<u>Team Leader</u>		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 2/21/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Kavlico review of testing through step 13 of "Visual Inspection Plan" and review of outstanding returns (including 390 Poems)	11, A3 ✓ 13, A3 ✓	Terry Tamashiro	
3. Review of Kavlico work plan for UPAD	13, A1	Don Ayers	
4. Kavlico to provide fleet/vehicle requirements for testing	16, A2 ✓	Terry Tamashiro	
5. Kavlico to provide process changes and dates to overlay/compare to stack charts	18, A4 ✓	Don Ayers	
6. Update on investigation of CQIS claims	19, A1	Kurt Schieding / Mahmoud Awad	
7. Update on obtaining fleet vehicles from buy-back lists / discussion of car requirements for testing	16, A3 & ✓ 110, A6, 7 ✓	Carol Verner	
8. Update to Kavlico Capacity Issue / Determine if separate meeting is needed to coordinate with Motorola timing	116, all 118, A1, 5	Mary Atkins / Jim Maurer	
9. Walk-in's			
10. Next Meeting (2/26) agenda items			

Proposed Next Meeting Agenda 2/26/02

<u>Proposed Next Meeting Agenda 2/26/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>
Overlay of Kavlico and Ford changes on stack chart	Mahmoud Awad	10 minutes
Analysis of data from Kavlico returns	Loay Sabah	20 minutes
Pareto of customer symptoms	Mahmoud Awad	10 minutes
Parser Report Data for Kavlico sensors	Mary Atkins	5 minutes
Report on Ford transient voltage testing	Rob Rossi	15 minutes
Update on vehicles for fleet/engineering	Carol Verner	10 minutes

Jim Maurer/cp: 02/21/2002
Kavlico dPFE Sensor Core Team



Notes

Bring handouts (paper copies) for all presentations

Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)

Please be on time as we have a full agenda

Jim Macren/op: 02/21/2002
Kavlico dPFE Sensor Core Team

created: 12/11/01
 revised: 2/20/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 POEE - DI-199

Meeting Date: 2/20/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	INITIALS	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
	MA	Aldo	Mary	313-24-81988	On-Site Rep.	Kavlico	POEE	maaldo@ford.com
	SA	Akoliar	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	saakoliar@ford.com
		Albrecht	Gurthar	313-82-28158	Service Engineer	Ford	POEE	albrecht@ford.com
		Allee	Sharan	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVT3	alalee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	arnoldk@ford.com
		Aulfer	Jim	313-82-38789	Chief Engineer	Ford	POEE	aulfer@ford.com
	MA	Awad	Mahmoud	313-24-83880	Reliability Engineer/Field Data Leader	Ford	POEE	mawad@ford.com
		Ayers	Don	805-628-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banasik	Catherine	313-82-38101	FMEI CPMT Eng./WEs concerns	Ford	POEE	cbanasik2@ford.com
		Bersuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	bersuder@ford.com
		Bisai	Gerry	313-24-85280	ECI Supervisor	Ford	TWCTDR	gbisai@ford.com
		Bronri	Mark	313-24-84508	On-Site Rep.	Motorola	POEE	mbronri@ford.com
	AD	Dance	Adam	313-82-28888	Master Black Belt	Ford	POEE	adance@ford.com
		Davies	Brady	805-628-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72885	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
	SA	Froiland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfroiland@ford.com
		Gates	Freeman	313-82-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-82-20828	C&P Supervisor	Ford	VPC	mgordano1@ford.com
	AD	Hangas	Jan	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com
		Jahshan	John	734-686-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-88282	FMEI Section Supv.	Ford	POEE	johanson@ford.com
		Kapp	Dan	313-33-75534	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerezi	Karen	313-20-83987	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
		Koczwaniak	John	313-82-28979	Chief Engineer	Ford	POEE	jkoczwaniak@ford.com
		Kunde	Olef	313-20-85930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-82-20882	Leader	Ford	FPB4	gmasura@ford.com

2000-2002 Kavlico TM dPPE Sensor
Core Team Meeting
POEE - DI-196

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	JM	Maurer	Jim	313-39-08872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41061	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-245-9381	Recall Analyst	Ford	FCSD	dmuter@ford.com
*		Nelson	Chris	734-29-69586	Service Buyer	Ford	FCSD	crnelson4@ford.com
*	JPO	O'Neal	Jim	313-32-26639	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswalt	Greg	313-59-01160	Critical Con. Mgr.	Ford	FCSD	gowsalt@ford.com
*		Paranicos	Chris	313-84-89397	Proj. Mgt. Analyst	Project Solutions	POEE	conparni@ford.com
		Park	Kyong	805-829-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-84-84989	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
*	BP	Perry	Erjan	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape 8	Ford	POEE	bperry@ford.com
*		Pierba	Paul	313-84-54139	Campaign Manager	Ford	POEE	cpierba@ford.com
		Popoff	Dan	313-24-88803	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araquepau1@ford.com
*		Rosel	Robert	313-84-61438	Writing CPS - EESE Leader	Ford	Bldg. #1	rosel1@ford.com
*		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschledi@ford.com
*		Shore	John	734-29-69768	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
*		Smythe	Joe	313-82-12995	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tanashiro	Terry	805-829-2000	Warranty Analyst	Kavlico	CA	ttanashiro@kavlico.com
		Trullo	Tom	313-32-96265	OGC Lawyer	Ford	PDC	trullo2@ford.com
	AS	Vemer	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cvemer@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	patwhite@ford.com
		Williamson	Rick	313-24-89348	ECI Prod.Con.Ansl.	Ford	FCSD	rwil110@ford.com
		Wilson	Gary	313-89-02862	Chief Engineer	Ford	AVTS	gwilson32@ford.com

EM02-027-D 5612

EM02-027-D 5613

2/18/02
ROBERT J. G.

created: 12/11/01
 revised: 2/18/02

2000-2002 Kavlico™ dPFE Sensor
 Core Team Meeting
 POEE - D-106

Meeting Date: 2/19/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
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* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Akins	Mary	313-24-81999	On-Site Rep.	Kavlico	POEE	makins@ford.com
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		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	aalbrecht@ford.com
		Ailes	Sharon	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVT6	sailes@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
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		Awad	Mahmoud	313-24-83809	Reliability Engineer/Field Data Leader	Ford	POEE	mawad@ford.com
		Ayres	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dwayne@kavlico.com
		Baneek	Catherine	313-32-38101	FMEI CPMT Eng./WEPA concerns	Ford	POEE	cbaneek2@ford.com
		Bansuder	Lee	313-84-80681	FQE Supervisor	Ford	TWCTDR	lbansude@ford.com
		Blael	Garry	313-24-86290	ECI Supervisor	Ford	TWCTDR	gblael@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
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		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglasz	Jim	313-33-72858	Vehicle Environmental Engineering	Ford	FPB4	jdouglaz@ford.com
		Freeland	Mark	313-59-47848	6-Sigma Black Belt	Ford	FRL	mfreelan1@ford.com
		Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	tgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgordano1@ford.com
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		Kapp	Don	313-33-75854	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerasi	Karen	313-20-88967	FMEI AWS Analyst	Ford	POEE	kkerasi@ford.com
		Kozawmik	John	313-32-28973	Chief Engineer	Ford	POEE	jkozawmik@ford.com
		Kunde	Chel	313-20-85930	PT Focus Program Mgr.	Ford	VPC	ckunde1@ford.com
		Munera	Gordon	313-32-29882	Leader	Ford	FPB4	gmunera@ford.com

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 805-
 531-6574

0002-927-D 5014

created: 12/11/01
revised: 2/19/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
POEE - DI-190

Meeting Date: 2/19/02

Please:								
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* Denotes Core Team Member.								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	JM	Maurer	Jim	313-39-09572	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarthy	Bill	313-39-41031	Production Buyer	Ford	Purchasing	bmccart1@ford.com
		Muter	Doreen	313-249-9391	Recall Analyst	Ford	FCSD	dmuter@ford.com
*	W	Nelson	Chris	734-26-69886	Service Buyer	Ford	FCSD	crisnel@ford.com
*		O'Neill	Jim	313-32-26839	FMEI Dept. Mgr.	Ford	POEE	lonnell@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	gogswalt@ford.com
*	P	Panaretos	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyong	805-625-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84868	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
*		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape	Ford	POEE	bperry@ford.com
*	MP	Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-86606	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Requesau	Al	313-24-84322	APTE PT CPS	Ford	APTE	alreque1@ford.com
*	RAR	Road	Robert	313-84-51436	Writing CPS - EESE Leader	Ford	Bldg. #1	rroad@ford.com
*		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschled@ford.com
*		Shore	John	734-26-69786	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
*	R	Smythe	Joe	313-62-12985	STA Engineer (Leader)	Ford	FTE	jsmythe@ford.com
		Tamashiro	Terry	805-625-2000	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com
		Trufflo	Tom	313-39-36285	OGC Lawyer	Ford	PDC	ttruffl@ford.com
		Vester	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cvester@ford.com
		White-Johnson	Perice	313-39-04409	STA Site Manager	Ford	AVTS	perwhite@ford.com
		Willemson	Flok	313-24-86346	ECI Prod. Cor. Anal.	Ford	FCSD	fwillem@ford.com
		Wilson	Gary	313-39-02552	Chief Engineer	Ford	AVTS	garyw22@ford.com
		JANOR	John	313-442-2567	SIX SIGMA BASE BILT	Ford	POEE	JANOR@FORD
		HOMER	Tom	75410	ERIC	"	AVT	THOMAS

FA82-027-D 0615



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPPE Sensor

Meeting Logistics

Subject: Kavlico TM dPPE Sensor Core Team
Date: February 19, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMET War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): February 21, 2002, DI-196, 1-3:00 p.m.
 February 26, 2002, DI-196, 1-2:30 p.m.
Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#

Core Team Participants

Black Belts	Kavlico	V-Engines	Quality Office	EBSE	Purchasing
Mark Froeland	Mary Atkins	Jim O'Neill	Mahmoud Awad	Sheran Alles	Joe Smythe
Shri Akolkar	Don Ayers	Freeman Gates	Kurt Schieding	Robert Rossi	Chris Nielson
Jon Janda		Chris Pasaretos			
		Paul Plante		PCSE	
Team Leader		Carol Varner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 2/19/02

Order of Agenda Items	Corr. Issue #	Person(s) Responsible	Time Allocated
1. Introductions		All	5 minutes
2. Update on correlation between mask mis-alignment and stalls on 250 claims	11, A1	Mahmoud Awad	20 minutes
3. Review of Kavlico corrective action plan for UPAD	13, A1	Don Ayers	20 minutes
4. Review of EBSE and Kavlico workplans to verify the contribution of poor ground connection	16, A1	R. Rossi, S. Alles / Don Ayers	10 minutes
5. Update on interim (containment) actions and/or permanent corrective actions	110	Jim Maurer	10 minutes
6. Review of remaining "high priority" open issues		All	10 minutes
7. Walk-in's		All	10 minutes
8. Next Meeting (2/21/02) Agenda Items		All	5 minutes

Proposed Next Meeting Agenda 2/21/02	Person(s) Responsible	Time Estimated

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 2/19/02
 Kavlico dPPE Sensor Core Team

Tube Mounted DPFE Issue Resolution Electrical Work Plan

1. Determine the minimum wiring capacitance required between potential noise sources (ignition primary, ignition secondary) and the sensor wires (VREF and Vsignal) to cause a sensor latch-up (noise capacitively coupled through wiring harness).
2. Determine the maximum realistic coupling capacitance between the sensor wiring and potential noise sources (ignition primary wiring).
3. Determine the minimum energy required to cause a sensor latch-up for both positive and negative transients (VREF and Vsignal inputs).
4. Determine if an intermittent connector can cause a sensor latch-up.
5. Determine if loose or noisy PCM grounds can induce differential noise transients across the sensor.
6. Analyze returned sensors (failed and TNI parts to determine if terminal gold plating is worn).
7. Review wiring between Focus, Escape and Explorer (best).


Discussion: The testing done thus far, including the test methods used.


Panaretos, Christine (C.M.)


From: Panaretos, Christine (C.M.)
Sent: Tuesday, February 19, 2002 11:18 AM
To: Atkins, Mary (M.); Akofor, Shrikant (S.V.); Albrecht, Guenter (G.K.); Allee, Sheran (S.A.); Arnold, Kenneth (K.M.); Auler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoaka, Pete (P.F.); Bansek, Catherine (C.K.); Bereuder, Lee (L.C.); Bleel, Gerry (G.); Bronni, Mark (M.J.); Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Hargas, Jon (.); Jahshan, John; Janda, Jon (J.J.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerezi, Karen (K.J.); Kozowski, John (J.J.); Kunde, Olf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Paschany, Ken (K.M.); Perry, Brian (B.J.); Pianta, Paul (P.G.); Popoff, Daniel (D.M.); Raquepau, Alden (A.P.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Tamaahiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patricia (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Meeting Agenda for Kavlico dPFE Sensor
Importance: High

Attached please find the meeting agenda for today's Kavlico dPFE Sensor Core Team meeting. I have also attached the documents that will be reviewed in the meeting. If you are a presenter on this agenda, please send me your documentation at least one hour prior to the meeting.

If you have any questions, please feel free to contact me.

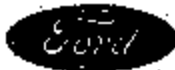

This Meeting dPFE
Team Meeting....


Kavlico Meeting
Agenda_021902....


11:07:11am Christine, 021
902.779

Chris Panaretos

Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-88337
Fax: (313) 32-29266



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFB Sensor

Meeting Logistics
Subject: Kavlico TM dPFB Sensor Core Team
Dates: February 19, 2002
Time: 1-2:30 p.m.
Location: PORH, DI-196 (FMRI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): February 21, 2002, DI-196, 1-3:00 p.m.
 February 26, 2002, DI-196, 1-2:30 p.m.
Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#

Core Team Participants					
Black Belts	Kavlico	Y-Engine	Quality Office	EESB	Purchasing
Mark Freedland	Mary Atkins	Jim O'Neal	Mahmoud Awad	Sheran Alles	Joe Sorysbo
Shri Akolkar	Don Ayers	Freeman Gates	Kurt Schieding	Robert Rossi	Chris Nielsen
Jon Janda		Chris Panaretos			
		Paul Plante		PCSE	
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 2/19/02				
Order of Agenda Items	Cont. Issue #	Person(s) Responsible	Time Allocated	
1. Introductions		All	5 minutes	
2. Update on correlation between mask mis-alignment and stalls on 250 clocks	11, A1	Mahmoud Awad	20 minutes	
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4. Review of EESB and Kavlico workplans to verify the contribution of poor ground connection	16, A1	R. Rossi, S. Alles / Don Ayers	10 minutes	
5. Update on Interim (containment) actions and/or permanent corrective actions	110	Jim Maurer	10 minutes	
6. Review of remaining "high priority" open issues		All	10 minutes	
7. Walk-in's		All	10 minutes	
8. Next Meeting (2/21/02) Agenda Items		All	5 minutes	

Proposed Next Meeting Agenda 2/21/02	Person(s) Responsible	Time Estimated

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Please be on time as we have a full agenda

Jim Maurer/cp: 2/19/02
Kavlico dPFB Sensor Core Team

5882-027-D 5820

2/1/00
- 200000

created: 12/11/01
 revised: 2/14/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 POEE - 04-196

Meeting Date: 2/14/02

Please:

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* Denotes Core Team Member

CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Aline	Mary	313-24-81869	On-Site Rep.	Kavlico	POEE	maline@ford.com
		Albrecht	Gunther	313-82-23153	Service Engineer	Ford	POEE	albrecht@ford.com
		Alex	Shoran	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVTS	alex@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auler	Jim	313-82-98789	Chief Engineer	Ford	POEE	auler@ford.com
*	MA	Awad	Mahmoud	313-24-83889	Reliability Engineer/Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-623-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Baneek	Catherine	313-32-88101	FMEI CPMT Eng./WERE concerns	Ford	POEE	cbaneek2@ford.com
		Beneuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lbeneuder@ford.com
		Bisal	Geoff	313-24-86280	ECL Supervisor	Ford	TWCTDR	cbisal@ford.com
		Brownl	Mark	313-24-84508	On-Site Rep.	Motorola	POEE	mbrownl@ford.com
*	AD	Danea	Adam	313-32-20698	Master Black Belt	Ford	POEE	adanea@ford.com
		Davies	Brady	805-623-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-59003	PT Elec Appl 3.0L 4/7 Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Dougless	Jim	313-33-72655	Vehicle Environmental Engineering	Ford	FPB4	jdougless@ford.com
*		Freeland	Mark	313-59-47846	6-Sigma Black Belt	Ford	FRL	mfreeland1@ford.com
		Gates	Freeman	313-82-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Glordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Hanges	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhanges@ford.com
		Jahshan	John	734-886-2769	PCSE Applications Engineer	Viscon	POEE	jahshan@viscon.com
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		Kepp	Dan	313-93-78554	AVT Chief Engineer	Ford	POEE	dkepp1@ford.com
		Kerezi	Karan	313-20-63387	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
		Kozzewnik	John	313-32-28073	Chief Engineer	Ford	POEE	jkozzewnik@ford.com
		Kunde	Olef	313-20-63880	PT Focus Program Mgt.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29882	Leader	Ford	FPB4	gmasura@ford.com
*	JM	Maurer	Jim	313-39-03672	Team Leader	Ford	POEE	jmaurer@ford.com

Contact: 12/11/01
revised: 2/14/02

2000-2002 Kevfloc™ dPFE Sensor
Core Team Meeting
POEE - DI-198

Meeting Date: 2/14/02

Please:

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* Denotes Core Team Member

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		McCarty	Bill	313-69-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Mutor	Doreen	313-248-9391	Recall Analyst	Ford	FCSD	dmutor@ford.com
		Nelson	Chris	734-25-69880	Service Buyer	Ford	FCSD	cnelson4@ford.com
	NO	O'Neill	Jim	313-82-28839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Owsatt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	gowsatt@ford.com
	NO	Parsons	Chris	313-24-86337	Proj. Mgt. Analyst	Project Solutions	POEE	cparson1@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kevfloc	CA	kpark@kevloc.com
		Pascany	Ran	313-24-94869	PT Electronics Engineer	Ford	POEE	rpascany@ford.com
	*	Perry	Brian	313-39-04170	PT Elec Appl 2,0L Zotec Focus/Escape S	Ford	POEE	bperry@ford.com
	*	Planta	Paul	313-84-54138	Campaign Manager	Ford	POEE	colanta@ford.com
	pm	Popoff	John	313-24-88808	C&P Quality Eng (Leader)	Ford	VPC	johnpop@ford.com
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	*	Rosel	Robert	313-84-51438	Writing CPS - EESE Leader	Ford	Blgd. #1	rosel1@ford.com
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		Tanashiro	Terry	805-523-2000	Warranty Analysis	Kevfloc	CA	ttanashiro@kevloc.com
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	✓	Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
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		Williamson	Rick	313-24-86348	ECI Prod. Con. Anal.	Ford	FCSD	rw1110@ford.com
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		Williams	Robert	313 32 27823	Warranty Analyst	Ford	PISG	Rwilliam3.Ford.com

ENG-927-0 9822


Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Thursday, February 14, 2002 9:53 AM
To: Aldre, Mary (M.); Albrecht, Guenter (G.K.); Alias, Sheran (S.A.); Arnold, Kenneth (K.M.); Auler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoske, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Blesl, Gerry (G.); Bronni, Mark (M.J.); Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Gabaa, Freeman (F.C.); Giordano, Mike (M.A.); Hanges, Jon (.); Jahshan, John; Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerazi, Karen (K.J.); Koszewnik, John (J.J.); Kunda, Olat (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Mular, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Oswald, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raquepau, Aiden (A.P.); Rosel, Roberto (R.A.); Schieding, Kurt (K.J.); Sebold, Lynn (L.A.); Shore, John (J.); Smyth, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Agenda for 2/14/02 Kavlico dPFE Sensor

Attached please find the agenda for today's Kavlico dPFE Sensor Core Team meeting. The meeting will be held from 1-3:00 in the POEE, DI198 conference room (located near the FMEI department).

If you are a presenter on the agenda, please bring handouts (approx. 15-20 copies) to the meeting, and please forward your presentations to me no later than one hour prior to the meeting (by noon today) so that I may fax them to Kavlico. If you are still making changes after that time, it will be your responsibility to fax them to the supplier. Their fax # is: 605-623-7125.

If you have any questions, please do not hesitate to contact me.


Kavlico Working
Agenda_021402....

Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-88337
Fax: (313) 32-29265



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPF8 Sensor

Meeting Logistics

Subject: Kavlico TM dPF8 Sensor Core Team
Date: February 14, 2002
Time: 1-3:00 p.m.
Location: PCEE, DI-196 (FMRI War Room)
Called By: Jim Maurer, Team Leader: (313) 99-03672
Next Meeting (s): February 19, 2002, DI-196, 1-2:30 p.m.
 February 21, 2002, DI-196, 1-3:00 p.m.
Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#

Core Team Participants

Black Belt Mark Freeland	Kavlico Mary Atkins Don Ayers	V-Engine Jim O'Neill Freeman Gates	Quality Office Mahmoud Awad Kurt Schieding	EESE Sharan Alles Robert Rossi	Purchasing Joe Smytho Chris Nielsen
Team Leader Jim Maurer		Chris Passaretos Paul Plante Carol Verner		ECSE Ken Arnold Brian Perry	

Meeting Agenda - 2/14/02

<u>Order of Agenda Items</u>	<u>Curr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Open Issues and Assignments		All	30 minutes
3. Data Mining and Analysis Update	High	Mahmoud Awad, Mark Freeland	20 minutes
4. Align all Kavlico actions with R/1000 Stack Charts		Mahmoud Awad / Don Ayers	10 minutes
5. Pareto of failure symptoms - Approach to look at warranty data		Mahmoud Awad	15 minutes
6. Walk-in's		All	20 minutes
7. Next Meeting (2/14/02) Agenda Items		All	10 minutes

<u>Forward Next Meeting Agenda 2/19/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 2/14/02
 Kavlico dPF8 Sensor Core Team

ENR2-027-0 0625

Alphas
Electronic

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Wednesday, February 13, 2002 12:50 PM
To: Atkins, Mary (M.); Ales, Sheran (S.A.); Awad, Mahmoud (M.I.); Ayers, Don; Danes, Adam (A.V.); Freeland, Mark (M.); Gates, Freeman (F.C.); Maurer, James (J.B.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Panaretos, Christine (C.M.); Perry, Brian (B.J.); Pianta, Paul (P.G.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Verner, Carol (C.J.)
Subject: 2/12/02 Kavlico dPFE Sensor Core Team Meeting
Importance: High

Attached please find the meeting minutes from yesterday's (2/12/02) Kavlico dPFE Sensor Core team meeting. Please note the assignments are at the end of each agenda item in bold. These assignments will also be added to the open issues deck, which was distributed at the meeting.

Speaking of the Open Issues Deck, everyone from the core team is expected to update their items, as an assignment that came out of yesterday's meeting. Please review the action items you are responsible for and date required for completion. When looking at the 'date required' column, please keep in mind the following: dates that are current (i.e. 2/12 or beyond) indicate the issue is on-going. Past due dates indicate the action item has not been updated since that date - these need immediate attention. Also, if the wording is incorrect, please send me back your changes/comments with your updates. Return your comments/updates to me via e-mail, phone, or in person, by no later than noon on Friday, February 15. If you do not get these updates to me by then, you will be first on the agenda at the next core team meeting to explain your issues.

If you have already met with me regarding updates, please disregard the above paragraph. I ask that you still review the meeting minutes to make sure you are covering all of your current assignments.

If you did not receive a copy of the issues, or if you have any questions, please do not hesitate to contact me.


Kavlico meeting
minutes_021202...

Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29285

created: 12/11/01
 revised: 2/12/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 POEE - DI-198

Meeting Date: 2/12/02

Places:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-84-81889	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Albrecht	Gunther	313-32-85163	Service Engineer	Ford	POEE	guntrsch@ford.com
*	SA	Allee	Shoman	313-58-40663	EESE - AVT Wiring Specialist	Ford	AVT5	saallee@ford.com
	AP	Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Ardler	Jim	313-32-36783	Chief Engineer	Ford	POEE	jaardler@ford.com
*	✓	Ayad	Mahmoud	313-24-83888	Reliability Engineer/ Field Data Leader	Ford	POEE	maayad@ford.com
*	✓	Ayers	Don	805-623-2000	Program Manager/Technical Leader	Kavlico	CA	dclayern@kavlico.com
		Baneek	Catherine	313-32-38101	FMEI CPMT Eng./WERA concerns	Ford	POEE	cbaneek2@ford.com
		Bersuder	Lee	313-84-50881	POE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Bleal	Garry	313-24-88280	ECL Supervisor	Ford	TWCTDR	gbleal@ford.com
		Bronni	Mark	313-24-84609	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	✓	Davies	Brady	805-623-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-56003	PT Elec Appl S.O.L. 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72655	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
		Freeland	Mark	313-58-47645	8-Sigma Black Belt	Ford	FRL	mfreeland@ford.com
	SA	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Hanges	Jon	313-23-91088	FRL Board Elec Microscope-Expert	Ford	FRL	lhanges@ford.com
	DA	Jahshan	John	734-686-2768	PCSE Applications Engineer	Viscon	POEE	jahshan@viscon.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	johneon@ford.com
		Kapp	Dan	313-33-78554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerazi	Karen	313-20-89367	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		Kocaszynk	John	313-32-28973	Chief Engineer	Ford	POEE	jkocaszynk@ford.com
		Kunde	Olef	313-20-88930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-28882	Leader	Ford	FPB4	gmasura@ford.com
	MA	Maurer	Jim	313-38-03672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-58-41081	Production Buyer	Ford	Purchasing	wmccart1@ford.com

created: 12/11/01
revised: 2/12/02

2000-2002 Kavlico™ dPFE Sensor
Core Team Meeting
POEE - DI-190

Meeting Date: 2/12/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the e-mail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Mutar	Doreen	313-248-8881	Recall Analyst	Ford	FCSD	dmutar@ford.com
		Mieleon	Chris	784-26-8888	Service Buyer	Ford	FCSD	cmieleon4@ford.com
		O'Neal	Jim	313-32-26839	FME Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswell	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	goswell@ford.com
		Paraschos	Chris	313-24-88837	Proj. Mgt. Analyst	Project Solutions	POEE	cparaschos@ford.com
		Park	Kyong	805-525-2000	VP Research and Dev't	Kavlico	CA	kyongp@kavlico.com
		Pascory	Ken	313-24-84889	PT Electronics Engineer	Ford	POEE	kpascory@ford.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
		Plante	Paul	313-24-54198	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-89903	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT GPS	Ford	APTE	araqepau1@ford.com
		Rossel	Robert	313-24-51488	Wiring GPS - E&SE Leader	Ford	Bldg. #1	rrossel1@ford.com
		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschleding@ford.com
		Seibold	Lynn	313-24-84720	PT Electronics Engineer	Ford	POEE	lseibold@ford.com
		Shore	John	784-26-88789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Smythe	Joe	313-82-12885	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tameshiro	Terry	805-525-2000	Warranty Analysis	Kavlico	CA	ttameshiro@kavlico.com
		Trufflo	Tom	313-32-36265	OGC Lawyer	Ford	PDC	ttrufflo@ford.com
		Vemer	Carol	313-39-07180	FME Engineer	Ford	POEE	cvemer@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	cpwhite@ford.com
		Williamson	Rick	313-24-88848	ECl Prod.Con.Anal	Ford	FCSD	rw110@ford.com
		Wilson	Gary	313-39-02852	Chief Engineer	Ford	AVTS	gwilson32@ford.com
		PICKETT	MIKE	713-24-53786	ENGINE SYS	FORD	POEE	MPICKETT@Ford.com

EMR2-827-D 5829



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: February 12, 2002
Time: 1-2:30 p.m.
Location: FOER, DI-196 (FMRI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): February 14, 2002, DI-196, 1-3:00 p.m.
 February 19, 2002, DI-196, 1-2:30 p.m.
Conference Call-in Number(s): 9-1-934-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#

Core Team Participants

Black Belt Mark Freeland	Kavlico Mary Akins Don Ayers	V-Engine Jim O'Neill Freeman Gates Chris Panaretos	Quality Office Mahmoud Awad Kurt Schiading Paul Plante Carol Verner	HESH Sheran Alles Robert Rossi	Purchasing Jon Saythe Chris Nielsen
Team Leader Jim Maurer				PCSE Ken Arnold Brian Perry	

Meeting Agenda - 2/12/02

<u>Order of Agenda Items</u>	<u>Cont. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Proposed I. Koszowzik Review 2/22/02 and Tech Review 2/28/02	11, A4	Paul Plante	5 minutes
3. Component bench test results: Low failure rate	15, A8	Kyong Park	10 minutes
4. Field returns analysis at Kavlico	13, A3	Terry Tameshiro	10 minutes
5. DV/PV Test Plan, Bench and Fleet Vehicles	16, A2	Mahmoud Awad / Terry Tameshiro	10 minutes
6. Wiring Harness Noise concerns, OA work plan and conclusions	12, A6	S. Alles/R. Rossi	15 minutes
7. Metallization damage by sensor manufacturing and technology	13, A8	Freeman Gates	10 minutes
8. Pareto of failure symptoms - Leader and approach		Paul Plante / Mahmoud Awad	5 minutes
9. Open Issues / Assignments List		Chris Panaretos	5 minutes
10. Walk-in's		All	10 minutes
11. Next Meeting (2/14/02) Agenda Items		All	5 minutes

Proposed Next Meeting Agenda 2/14/02

<u>Item</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>
Data Mining and Analysis Update	Mahmoud Awad / Mark Freeland	10 minutes
Offsite Follow-up assignments	Paul Plante / Jim Maurer	20 minutes
Align all Kavlico actions with R/1000 Stack Charts	Mahmoud Awad / Don Ayers	10 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 2/12/02
 Kavlico dPFE Sensor Core Team

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Tuesday, February 12, 2002 10:08 AM
To: Akina, Mary (M.); Albrecht, Guenter (G.K.); Alias, Sheran (S.A.); Arnold, Kenneth (K.M.); Aufler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoeka, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Bissel, Gerry (G.); Bronni, Mark (M.J.); Davies, Brady; Daeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Hargas, Jon (.); Jahshan, John; Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerezi, Karen (K.J.); Koczewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Paschay, Ken (K.M.); Perry, Brian (B.J.); Pianta, Paul (P.G.); Popoff, Daniel (D.M.); Raquepau, Alden (A.P.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Sebold, Lynn (L.A.); Shors, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Truffilo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Agenda for Today's (2/12/02) Kavlico dPFE Sensor Core Team

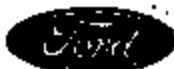
Attached please find the agenda for today's Kavlico dPFE Sensor Core Team meeting. The meeting will be held from 1-2:30 in the POEE, D1198 conference room (located near the FMEI department).

If you are a presenter on the agenda, please bring handouts (approx. 15-20 copies) to the meeting, and please forward your presentations to me no later than one hour prior to the meeting (by noon today) so that I may fax them to Kavlico. If you are still making changes after that time, it will be your responsibility to fax them to the supplier. Their fax # is: 806-523-7125.

If you have any questions, please do not hesitate to contact me.


DaviLeo Westing
Agenda_021202.....

Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-28285



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: February 12, 2002
Time: 1-2:30 p.m.
Location: POBB, DI-196 (PMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): February 14, 2002, DI-196, 1-3:00 p.m.
 February 19, 2002, DI-196, 1-2:30 p.m.
Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 68814368

Core Team Participants

Black Belt Mark Froeland	Kavlico Mary Atkins Don Ayers	V-Engine Jim O'Neill Freeman Gates Chris Panaretos Paul Plants Carol Verner	Quality Office Mahmoud Awad Kurt Schieding	EESE Sheran Alles Robert Rossi	Purchasing Joe Smyth Chris Nielsen
Team Leader Jim Maurer				ECSE Ken Arnold Brian Perry	

Meeting Agenda - 2/12/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Proposed J. Kozewnik Review 2/22/02 and Tech Review 2/28/02		Paul Plants	5 minutes
3. Component bench test results: Low failures rate	11, A4	Kyong Park	10 minutes
4. Field returns analysis at Kavlico	13, A3	Terry Tamashiro	10 minutes
5. DV/PV Test Plan, Bench and Fleet Vehicles		Mahmoud Awad / Terry Tamashiro	10 minutes
6. Wiring Harness Noise concerns, OA work plan and conclusions	12, A6	S. Alles/R. Rossi	15 minutes
7. Metalization damage by sensor manufacturing and technology	13, A8	Freeman Gates	10 minutes
8. Pareto of failure symptoms - Leader and approach		Paul Plants / Mahmoud Awad	5 minutes
9. Open Issues / Assignments List		Chris Panaretos	5 minutes
10. Walk-Ins		All	10 minutes
11. Next Meeting (2/14/02) Agenda Items		All	5 minutes

Proposed Next Meeting Agenda 2/14/02

	<u>Person(s) Responsible</u>	<u>Time Estimated</u>
Data Mining and Analysis Update	Mahmoud Awad / Mark Froeland	10 minutes
Offsite Follow-up assignments	Paul Plants / Jim Maurer	20 minutes
Align all Kavlico actions with R/1000 Stack Charts	Mahmoud Awad / Don Ayers	10 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Mansueti: 2/12/02
 Kavlico dPFE Sensor Core Team

Panaretos, Christine (C.M.)

From: Kyong Park [KPark@kavico.com]
Sent: Monday, February 11, 2002 6:43 PM
To: Plants, Paul (P.G.); Panaretos, Christine (C.M.)
Subject: RE: DPF2 Tuesday Agenda


Post Fleet Test
Plan.ppt

As I agreed to look into visual inspection criteria for the next meeting, I attached here the plan I like to discuss.

<<Post Fleet Test Plan.ppt>>

For the bench test plan, I sent e-file to Freeman and I asked to distribute copies.

Panaretos, Christine (C.M.)

From: Plante, Paul (P.G.)
Sent: Monday, February 11, 2002 3:09 PM
To: Panaretos, Christine (C.M.); Plante, Paul (P.G.); Gates, Freeman (F.C.); O'Neill, Jim (J.D.);
kpark@kavlico.com; Roas, Roberto (R.A.); Maurer, James (J.B.); Allen, Sheran (S.A.);
Akns, Mary (M.); dayers@kavlico.com
Subject: DPFE Tuesday Agenda

Chris please send to all attendees.

All others: You are on agenda. Please read and be prepared. Send copies to Chris before meeting for "phone in" people distribution.



Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pillar D5
Tele. 313-64-64138; Fax 38-02513
Text Pager: 734-298-1905
E Mail: pplante@ford.com (CDS ID PPLANTE)

DPFE Sensor Meeting Agenda

Tuesday 2/12/02

#	Name	Time	Description	Ref #
1	G. Panaretos	5	Fax handouts to Kavlico	
2	All	5	Introductions	
3	Paul Plants	5	Proposed J. Kozewnik review 2/22/02 & Tech Review Thursday 2/28/02	
4	Kyong Park	10	Component bench test results: Low failure rate	
5	Terry Tamashiro	10	Field returns analysis at Kavlico	
6	Terry/Mahmoud	10	DV/PV Test Plan, Bench and Fleet Vehicles	
7	S. Ahee/R. Rossi	15	Wiring Harness noise concerns update, QA work plan, and conclusions	
8	Freeman	10	Metallization damage, sensor technology and durability information	
9	Paul/Mahmoud	5	Pareto of failure symptoms-Leader and approach	
10	All	5	Open Issues/Assignments List	
11	All	5	Walk ins	
12	All	5	Next meeting agenda	
		90	Total Minutes (90 available)	

Ref #



Thursday 2/14/02

A	Mark/Mahmoud	10	Data Mining and Analysis update
B	Paul/Jim Maurer	5	Offsite follow up assignments-Add answers to agenda next week
C	D. Ayers/M.Awad	10	Align all Kavlico actions with R/1000 Stock Charts

Near Future Meeting Agenda

A	Basem El-Haik		Data Mining and approach discussion
B	Bob Janitz		Kavlico improved sensor test results from Focus (Carol)
C	Freeman/Mark		Team Expert help-Additional heads requirement
D	Plants		Fishbone Diagram and I-Is Not
E	Don Ayers		Kavlico service parts availability (Match to John Shore FCSD parts requir.)
F	All	18	Offsite follow up assignments answers

pgp/dpfemest

2/11/02

ENR-027-D 8835

1/1/82
1/1/82

created: 12/11/01
revised: 2/7/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
POEE - DI-198

Meeting Date: 2/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	NA	Akine	Mary	313-24-81869	On-Site Rep.	Kavlico	POEE	makine@ford.com
		Abrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	gabrecht@ford.com
		Allea	Sheran	313-59-40553	EEBE - AVT Wiring Specialist	Ford	AVTB	sailea@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F16D Supv./Leader	Ford	POEE	karnold@ford.com
		Aurler	Jim	313-32-38783	Chief Engineer	Ford	POEE	jaurler@ford.com
*	MA	Awad	Mahmoud	313-24-83869	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	806-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Baneak	Catherine	313-32-38101	FMEI CPMT Eng./WEFs concerns	Ford	POEE	cbaneak2@ford.com
		Bersuder	Lee	313-84-50681	FOE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Bleil	Garry	313-24-88290	ECI Supervisor	Ford	TWCTDR	gbleil@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Davies	Brady	806-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72856	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
*	MA	Freeland	Mark	313-59-47645	8-Sigma Black Belt	Ford	FRL	mfreeland@ford.com
*	MA	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20625	C&P Supervisor	Ford	VPC	mgiord1@ford.com
		Hargas	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhargas@ford.com
		Jahshan	John	734-666-2759	PCSE Applications Engineer	Viateon	POEE	jahshan@viateon.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	hjohnson@ford.com
		Kepp	Gar	313-33-78854	AVT Chief Engineer	Ford	POEE	gkepp1@ford.com
		Kerazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		Koszewnik	John	313-32-28673	Chief Engineer	Ford	POEE	jkoszewn@ford.com
		Kunde	Olef	313-20-86680	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29682	Leader	Ford	FPB4	omasura@ford.com
		Maurer	Jim	313-39-03872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarthy	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com

ENG-827-D 8639

Created: 12/11/01
 revised: 2/7/02

2000-2002 Kavlico™ dPFE Sensor
 Core Team Meeting
 POEE - DI-106

Meeting Date: 2/7/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If you name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Muter	Doreen	313-248-8391	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nielsen	Chris	734-26-68866	Service Buyer	Ford	FCSD	cnisles4@ford.com
		O'Neill	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	jooneil@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
		Panaratos	Chris	313-24-88337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanar@ford.com
		Park	Myong	805-823-2000	VP Research and Dev't	Kavlico	CA	mpark@kavlico.com
		Pascary	Ken	313-24-84889	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
		Plante	Paul	313-34-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Den	313-24-89903	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84829	APTE PT CPS	Ford	APTE	araqepa1@ford.com
		Rossel	Robert	313-34-51436	Writing CPS - EESE Leader	Ford	Bldg. #1	rrossel1@ford.com
		Schieding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschied@ford.com
		Sibold	Lynn	313-24-84720	PT Electronics Engineer	Ford	POEE	lsibold@ford.com
		Shore	John	734-26-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Smythe	Joe	313-62-12996	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tamashiro	Terry	805-823-2000	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com
		Trujillo	Tom	313-32-38266	OGC Lawyer	Ford	PDC	trujil2@ford.com
		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-38-04409	STA Site Manager	Ford	AVTS	pwjohn@ford.com
		Williamson	Rick	313-24-88348	ECI Prod.Con.Anal.	Ford	FCSD	rw110@ford.com
		Wilson	Cary	313-39-08852	Chief Engineer	Ford	AVTS	cwilson32@ford.com
		Wilkins	Robert	313-32-27823	Analyst	Ford	SIX	rwilkin3@ford.com
		Wright	Ray	33-	Mill Activities Team	Ford	POEE	AWR17C@ford.com
		BUGAS	Barry			Kavlico Corp		bbugas@kavlico.com

ENG2-827-D 5837

Panaretos, Christine (C.M.)

From: Freeland, Mark (M.)
Sent: Thursday, February 07, 2002 12:21 PM
To: Panaretos, Christine (C.M.); Plante, Paul (P.G.); Kyong Park (E-mail); Donald Ayers (E-mail); Brady Davies (E-mail); Maurer, James (J.B.); Gates, Freeman (F.C.); Awad, Mahmoud (M.I.); Popoff, Daniel (D.M.); Whitworth, Rudy (A.R.); Terry Tamashiro (E-mail); Wilkins, Robert (R.M.)
Subject: Warranty data for Focus

The attached file contains the data I will use at today's meeting.



20020107 Microsoft
Data for 20 ...

Regards

Mark Freeland

6-Sigma Black Belt Candidate
Physics Department
Ford Research Laboratory
P.O. Box 2053
MD 3028 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreela1@ford.com
Tel: (313) 594-7645

created: 12/11/01
revised: 2/5/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
POEE - DI-188

Meeting Date: 2/5/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	ATT	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Akins	Mary	313-24-81889	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Albrecht	Günther	313-32-23153	Service Engineer	Ford	POEE	albrecht@ford.com
		Allee	Shoran	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVTS	sallee@ford.com
		Arnold	Ken	313-24-64178	PT Elec Appl - 4.8 F180 Supv./Leader	Ford	POEE	karnold@ford.com
		Aufler	Jim	313-32-38783	Chief Engineer	Ford	POEE	aufler@ford.com
		Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
		Ayres	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	davyes@kavlico.com
		Baneek	Catherine	313-32-38101	FMEI CPMT Eng/WFRs concerns	Ford	POEE	cbaneek2@ford.com
		Beneuder	Lee	313-84-60981	POE Supervisor	Ford	TWCTDR	lbeneuder@ford.com
		Bisul	Gerry	313-24-86280	ECL Supervisor	Ford	TWCTDR	gbisul@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Devies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdevies@kavlico.com
		Deeb	Joe	313-84-68083	PT Elec Appl 2.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglase	Jim	313-32-72665	Vehicle Environmental Engineering	Ford	FPB4	jdouglase@ford.com
		Freeland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreeland@ford.com
		Gatse	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgatse@ford.com
		Giordano	Mike	313-32-20825	G&P Supervisor	Ford	VPC	mgiordano1@ford.com
		Hanges	Jan	313-28-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	lhanges@ford.com
		Jahshan	John	734-688-2789	PCSE Applications Engineer	Viscon	POEE	jahshan@viscon.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	johanson@ford.com
		Kapp	Dan	313-33-78554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Korazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkorazi@ford.com
		Koszewnik	John	313-32-28873	Chief Engineer	Ford	POEE	jkoszewnik@ford.com
		Kunde	Claf	313-20-89990	PT Focus Program Mgr.	Ford	VPC	ckunde1@ford.com
		Maaura	Gordon	313-32-29982	Leader	Ford	FPB4	gmaaura@ford.com
		Mauner	Jim	313-32-09872	6-Sigma Black Belt	Ford	POEE	jmauner@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com

ENG-927-0 0439

created: 12/11/01
revised: 2/6/02

2000-2002 Kavlico TM dPFE Senior
Core Team Meeting
POEE - DI-186

Meeting Date: 2/6/02

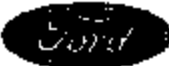
Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
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* Denotes Core Team Member

CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
	<input checked="" type="checkbox"/>	Muter	Doreen	313-248-8351	Recall Analyst	Ford	FCSD	dmuter@ford.com
	<input checked="" type="checkbox"/>	Nikolov	Chris	734-26-8886	Service Buyer	Ford	FCSD	cnikolov4@ford.com
	<input checked="" type="checkbox"/>	O'Neal	Jim	313-32-26639	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
	<input checked="" type="checkbox"/>	Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
	<input checked="" type="checkbox"/>	Owens	Karen	313-84-55770	FMEI Supervisor	Ford	POEE	kowens@ford.com
	<input checked="" type="checkbox"/>	Panaretos	Chris	313-24-88357	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
	<input checked="" type="checkbox"/>	Park	Kyong	806-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
	<input checked="" type="checkbox"/>	Pascary	Ken	313-24-84669	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
	<input checked="" type="checkbox"/>	Perry	Brian	313-39-04170	PT Elec Appt 2.0L Zateo Focus/Escape S	Ford	POEE	bperry@ford.com
	<input checked="" type="checkbox"/>	Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
	<input checked="" type="checkbox"/>	Popoff	Dan	313-24-88603	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
	<input checked="" type="checkbox"/>	Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araqepau1@ford.com
	<input checked="" type="checkbox"/>	Rosal	Robert	313-84-51488	Wiring CPS - EEBE Leader	Ford	Bldg. #1	rrosal1@ford.com
	<input checked="" type="checkbox"/>	Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschled@ford.com
	<input checked="" type="checkbox"/>	Sebold	Lynn	313-24-84720	PT Electronics Engineer	Ford	POEE	lsebold@ford.com
	<input checked="" type="checkbox"/>	Shore	John	734-26-88789	PSAL Recall Mgr.	Ford	FCSD	jshore@ford.com
	<input checked="" type="checkbox"/>	Smythe	Joe	313-82-12995	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
	<input checked="" type="checkbox"/>	Tamaahiro	Terry	806-523-2000	Warranty Analysis	Kavlico	CA	ttamaahiro@kavlico.com
	<input checked="" type="checkbox"/>	Tajilio	Tom	313-32-95285	OGC Lawyer	Ford	PDC	ttajilio2@ford.com
	<input checked="" type="checkbox"/>	Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
	<input checked="" type="checkbox"/>	White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwwhite@ford.com
	<input checked="" type="checkbox"/>	Williamson	Rick	313-24-88348	ECI Prod.Con.Anal.	Ford	FCSD	rw110@ford.com
	<input checked="" type="checkbox"/>	Wilson	Gary	313-39-02652	Chief Engineer	Ford	AVTS	gwilson32@ford.com

E982-827-D 8648



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: February 5, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMBI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): February 7, 2002, DI-196
 February 12, 2002, DI-196
Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#

Core Team Participants

Black Belt Mark Froeland	Kavlico Mary Atkins Don Ayers	V-Engine Jim O'Neill Freeman Gates	Quality Office Mahmoud Awad Kurt Schladig	HESB Sheran Alles Robert Rossi	Purchasing Joe Smythe Chris Nielsen
Team Leader Karen Owens		Chris Panaretos Paul Flante Carol Verner		PCSE Ken Arnold Brian Perry	

Meeting Agenda - 2/5/02

<u>Order of Agenda Items</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions	All	5 minutes
2. Shared Drive / Web Access	All	5 minutes
3. EPRC Review 3:00 p.m. / CARB George Lundy	Paul Flante	5 minutes
4. STA Trip Overview / Issues	Joe Smythe	15 minutes
5. Fleet Test Plan	Mahmoud Awad	5 minutes
6. Customer Failure Modes-Data Mining	Rick Williamson	15 minutes
7. Dave Kulp meeting Tuesday 2/5 overview (Emission Compliance)	Freeman Gates	5 minutes
8. Metalization damage by sensor manufacturing and technology	Freeman Gates	10 minutes
9. Data Mining and Analysis Update	Mark Froeland / Mahmoud Awad	5 minutes
10. Field Returns Analysis at Kavlico	Chris Panaretos (for Mary Atkins)	2 minutes
11. Offsite Follow-up Items: Assignments	All	5 minutes
12. Walk-in's	All	5 minutes
13. Next Meeting (2/7/02) Agenda Items	All	5 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET
 Please be on time as we have a full agenda

Kavlico Team/ep: 2/5/02
 Kavlico dPFE Sensor Core Team

DPEE Sensor Meeting Agenda

Tuesday 2/5/02

#	Name	Time	Description
1	C. Panaretos	5	Fax handouts to Kavlico
2	All	1	Introductions
3		2	Shared Drive/Web access
4	Paul	2	EPRC Review 3:00 PM/CARB George Londy
5	J. Smythe	15	STA Trip overview/issue
6	M. Awad	5	Fleet test plan
7	Rick Williamson	15	Customer Failure Modes-Data Mining
8	Freeman	5	Dave Kulp meeting Tuesday 2/5 overview, Emission Compliance
9	Freeman	10	Metalization damage by sensor manufacturing and technology.
10	Mark/Mahmoud	5	Data Mining and Analysis update
11	Terry Tamashiro	5	Field returns analysis at Kavlico
12		5	Offsite follow up items: Assignments
13	All	5	Open Issues/Assignments List
14	All	5	Walk ins
15	All	5	Next meeting agenda

80

Thursday 2/7/02

S. Alles
T. Green

Wiring Harness noise concerns update
Documents Discovery-Escape Tribute Staffs NHTSA Inquiry

Future Meeting Agenda

Basem El-Halk
Bob Janiz
Freeman/Mark
Plante

Data Mining and approach discussion
Kavlico improved sensor test results from Focus (Carol)
Team Expert help-Additional heads requirement
Fishbone Diagram and is-la Not

ppp/dpfemeet

Agenda : 1/23/2002 – 1/25/2002

- 1/23** **Arrive at 8:00am**
8:00 - 8:30 Introductions/Review Agenda/review Q1 process
8:30 - 9:30 **Quality Procedures/QS-9000/QOS**
9:30 - 10:30 **Sub-Supplier Quality Management**
10:30 - 12:00 **Manage Change**
12:00-1:00 Lunch
1:00 - 3:30 FMEAs/Control Plans(DPFE & other Plastic Sensor)
3:30 - 4:30 Problem Solving/Corrective Actions
4:30 - 5:30 Employee Readiness/Training Review
- 1/24** **8:00 - 8:00** Control of Incoming Quality
9:00 - 10:00 Part Identification/Non-Conforming Parts/Packaging/Shipping
10:00 - 11:30 Process Variability Monitoring
11:30 - 12:30 Lunch
12:30 - 1:30 Gage Calibration and Use
1:30 - 2:30 PM/Housekeeping
2:30 - 3:00 Manufacturing Flow/Lean Manufacturing Metrics
3:00 - 3:30 Operator Instructions
3:30 - 5:30 Run at Rate - DPFE Tube Mount (Please have workers breaks before or after run)

For the run at rates:

- All rework/reject bins emptied prior to start.
- Kavlico personnel needs to record fallout from each station per line on a hourly basis
- Parts produced needs to be documented for each hour
- No rework is allowed during run at rates
- Any downtime needs to be noted

- 1/25** **7:30 - 9:30** Run at Rate for Other Plastic Sensor Line
9:30- 10:30 Any other items
10:30 - 11:30 Wrap up
11:30 Depart

ERR2-QZ7-D 0844


2110x
TECHNICAL SERVICE

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Monday, February 04, 2002 11:47 AM
To: Hanges, Jon (.); Danhoff, Gary (G.L.); Mawer, James (J.B.); Patel, Anup (A.M.); Akira, Mary (M.); Ailes, Sheran (S.A.); Awad, Mahmoud (M.I.); Ayers, Don; Freeland, Mark (M.); Gates, Freeman (F.C.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Rossel, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Vamer, Carol (C.J.)
Cc: 'bdavies@kavlico.com'; 'kpark@kavlico.com'; 'bbugaj@kavlico.com'
Subject: Recap of 2/1/02 Kavlico dPFE Sensor Technical Offsite

Attached please find the meeting minutes and assignments (bolded) from the 2/1/02 Kavlico dPFE Sensor technical offsite, which was held at the Ford FTDC in Room 161.

If you need copies of any of the presentations, please reply to this note and I will be happy to pass those on. Have a good day!


Kavlico dPFE Tech
020202_020...

Chris Panaretos

Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax (313) 32-29286

<https://web.vee.ford.com/vee9/KavDocs/SupportDocs/index.htm>



Kavlico™ dPFE Sensor

Supporting Documents

Evidence
Book

Poma, Amy (A)

From: Grandas, Joseph (J.M.)
Sent: Wednesday, July 03, 2002 7:03 PM
To: McCoy, James (J.D.)
Cc: Gates, Freeman (F.C.); Poma, Amy (A.); Maurer, James (J.B.); Zamora, Melissa Lafret (M.I.); Johnson, Joe (J.H.); Ogozaly, Jim (J.C.); King II, Lamar (L.L.)
Subject: RE: Issue #2503332 - dPFE key-off voltage ;


d:\poma\l1\1.doc

Jim, good work..please see my comments on the attachment.. Can you recommend who might be the responsible persons to take on the assignments? And we'll have Joe J. & Lamar to give assignments to those whom you have identified..Please see attachment...

-----Original Message-----

From: McCoy, James (J.D.)
Sent: Wednesday, July 03, 2002 2:15 PM
To: Grandas, Joseph (J.M.); Johnson, Joe (J.H.); King II, Lamar (L.L.); Ogozaly, Jim (J.C.)
Cc: Gates, Freeman (F.C.); Poma, Amy (A.); Maurer, James (J.B.); Zamora, Melissa Lafret (M.I.)
Subject: RE: Issue #2503332 - dPFE key off voltage

Attached is the preliminary data on the DPFE/VREP voltage issue. Jim and Joe, can you look over the next steps and let me know which of them you can assist on? Thanks. Jim.

Regards,
Jim McCoy
Fuel Metering, Emissions & Ignition Systems Engineering
Hardware Control Interface Group
V-Engine Engineering
POEE - MD#69 - Rm. D142 - Cube DF186
Phone (313) 33-79590 / Fax (313) 39-04084
E-Mail: jmccoy1@ford.com

-----Original Message-----

From: Grandas, Joseph (J.M.)
Sent: Friday, June 28, 2002 12:13 PM
To: Johnson, Joe (J.H.); King II, Lamar (L.L.); McCoy, James (J.D.)
Cc: Gates, Freeman (F.C.)
Subject: FW: Issue #2503332 - dPFE key off voltage

Joe, this is the AIMS status for KCAP on this issue.. Doesn't look like much progress has been made toward target closure of KCAP J1. I've enlisted Jim Mccoy's help.. Possibility that GEM could be a factor too. Click on the link

below to review status...

As a Routing List Member, you have been added to the team for Issue #2503332 in the Ford AIM system.

Issue #: 2503332

Issue Title: I/P cluster, check fuel cap

The Ford AIM system can be accessed at

<https://web.aim.ford.com/owa.cgi/frnMainMenu.Body>.

Poma, Amy (A.)

From: McCoy, James (J.D.)
Sent: Wednesday, July 03, 2002 2:15 PM
To: Grandas, Joseph (J.M.); Johnson, Joe (J.H.); King II, Lamar (L.L.); Ogozaly, Jim (J.C.)
Cc: Gates, Freeman (F.C.); Poma, Amy (A.); Maurer, James (J.B.); Zamora, Melissa lafret (M.I.)
Subject: RE: issue #2503332 - dPFE key off voltage


dpfevltz.doc

Attached is the preliminary data on the DPFE/VREF voltage issue. Jim and Joe, can you look over the next steps and let me know which of them you can assist on? Thanks, Jim.

Regards,
Jim McCoy
Fuel Metering, Emissions & Ignition Systems Engineering
Hardware Control Interface Group
V-Engine Engineering
POSE - MD#69 - Rm. D142 - Cube DF186
Phone (313) 33-79690 / Fax (313) 39-04084
E-Mail: jmccoy1@ford.com

-----Original Message-----

From: Grandas, Joseph (J.M.)
Sent: Friday, June 28, 2002 12:13 PM
To: Johnson, Joe (J.H.); King II, Lamar (L.L.); McCoy, James (J.D.)
Cc: Gates, Freeman (F.C.)
Subject: FW: Issue #2503332 - dPFE key off voltage

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Issue Title: I/P cluster, check fuel cap

The Ford AIM system can be accessed at
<https://web.aim.ford.com/owa.cgi/frnMainMenu.Body>.

0002-027-D 5459

TEMP
RESERVED

2000-2002 Kavlico™ dPFE Sensor
Team Roster by Org./Department

Kavlico™ dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORGL/Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
*	Gates	Freeman	313-32-24807	V-Engine	FMEI Tech Spec/Technical Lead	Ford	POEE	fgates@ford.com	313-39-04084
*	Maurer	Jim	313-39-03672	V-Engine	Project Leader	Ford	POEE	jmaurer@ford.com	
*	O'Neill	Jim	313-32-26639	V-Engine	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com	313-39-04084
*	Paranetos	Chris	313-24-89337	V-Engine	Proj. Mgt. Analyst	Proj. Solution	POEE	cparanet@ford.com	313-32-29285
*	Plante	Paul	313-64-54136	V-Engine	Campaign Manager	Ford	POEE	pplante@ford.com	
*	Verner	Carol	313-39-07180	V-Engine	FMEI Engineer	Ford	POEE	cverner@ford.com	313-39-04084
	Albrecht	Gunther	313-32-23153	V-Engine	Service Engineer	Ford	POEE	galbrech@ford.com	313-62-14397
	Banasik	Catherine	313-32-38101	V-Engine	FMEI CPMT Eng./WERe concerns	Ford	POEE	cbanasik2@ford.com	313-39-04084
	Johnson	Joe	313-64-58292	V-Engine	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com	313-39-04084
	Kerazi	Karen	313-20-83387	V-Engine	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com	313-84-53189
	Koczewnik	John	313-32-28973	V-Engine	Chief Engineer	Ford	POEE	jkoczewn@ford.com	
*	Awad	Mahmoud	313-24-83869	Quality Office	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com	313-39-02318
*	Schleding	Kurt	313-32-25448	Quality Office	Reliability Supervisor	Ford	POEE	kschled1@ford.com	313-39-02314
*	Nielsen	Chris	734-26-89886	Purchasing	Service Buyer	Ford	FC9D	cnilsen4@ford.com	
*	Smythe	Joe	313-62-12986	Purchasing	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com	313-33-72804
	McCarty	Bill	313-59-41031	Purchasing	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-59-44876
	White-Johnson	Patrice	313-39-04409	Purchasing	STA Site Manager	Ford	AVTS	pwhitej@ford.com	313-33-92804
	Aulier	Jim	313-32-38763	PTSE	Chief Engineer	Ford	POEE	jaulier@ford.com	
	Arnold	Ken	313-24-84178	PT Elec Appl	4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com	313-32-38743
*	Perry	Brian	313-39-04170	PT Elec Appl	2.0L Zetec Focus/Escape Supv.	Ford	POEE	bperry@ford.com	313-39-03830
	Deeb	Joe	313-84-58008	PT Elec Appl	3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com	313-39-03830
	Pascary	Ken	313-24-84689	PT Elec Appl	PT Electronics Engineer	Ford	POEE	kpascary@ford.com	
	Sebold	Lynn	313-24-84720	PT Elec Appl	PT Electronics Engineer	Ford	POEE	lsebold@ford.com	
	Jahshan	John	734-666-2759	PCSE	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com	
	Trujillo	Tom	313-32-36265	OGC	Lawyer	Ford	PDC	ttrull2@ford.com	79257
	Bronni	Mark	313-84-84609	Motorola	On-Site Rep.	Motorola	POEE	mbronni@ford.com	313-39-04084
*	Aldra	Mary	313-24-81899	Kavlico	On-Site Rep.	Kavlico	POEE	maadra@ford.com	313-39-04084
*	Ayers	Don	805-523-2000	Kavlico	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com	805-523-8475
	Devies	Brady	805-523-2000	Kavlico	Director MEMS Technology	Kavlico	CA	bdevies@kavlico.com	805-523-7125

created: 12/11/01

2000-2002 Kavlico TM dPFE Sensor
Team Roster by Org./Department

Revision Date: 2/8/02

Kavlico TM dPFE Sensor									
Team Roster									
* Denotes Core Team Member									
CORE TEAM	LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
	Park	Kyong	805-523-2000	Kavlico	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com	805-523-7125
	Tamaehiro	Terry	805-523-2000	Kavlico	Warranty Analyst	Kavlico	CA	tamaehiro@kavlico.com	805-523-7125
	* Freeland	Mark	313-59-47846	FRL	8-Sigma Black Belt	Ford	FRL	mfreel1@ford.com	313-82-10346
	Hangas	Jon	313-23-31068	FRL	Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com	
	Giordano	Mike	313-32-20925	Focus	C&P Supervisor	Ford	VPC	mgiorda1@ford.com	
	Kunda	Olaf	313-20-85930	Focus	PT Focus Program Mgr.	Ford	VPC	okunda1@ford.com	313-24-82526
	Popoff	Dan	313-24-88803	Focus	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com	
	Bersuder	Lee	313-84-50881	FCSD	FOE Supervisor	Ford	TWCTDR	lbersude@ford.com	
	Bisal	Gary	313-24-88280	FCSD	ECI Supervisor	Ford	TWCTDR	gbisal@ford.com	
	Muter	Doreen	313-248-9391	FCSD	Recall Analyst	Ford	FCSD	dmuter@ford.com	
	* Shore	John	734-28-89788	FCSD	PS&L Recall Mgr./Parts costs & buy	Ford	FCSD	jshore@ford.com	734-28-81188
	Williamson	Rick	313-24-88348	FCSD	ECI Prod.Con.Anal.	Ford	FCSD	rwill10@ford.com	
	Masura	Gordon	313-32-29882	EPRC	Leader	Ford	FPB4	gmasura@ford.com	
	Oswalt	Greg	313-39-01180	EPRC	Critical Con. Mgr.	Ford	FCSD	gswalt1@ford.com	313-59-47470
	* Allea	Sheran	313-59-40553	EESE	AVT Wiring Specialist	Ford	AVT3	sallea@ford.com	313-84-53804
	* Rossi	Robert	313-84-51438	EESE	Wiring CPS - EESE Leader	Ford	Bldg. #1	rross1@ford.com	
	Douglass	Jim	313-33-72886	EESE	Vehicle Environmental Engineering	Ford	FPB4	jdougles@ford.com	
	Wilson	Cary	313-39-02852	EESE	Chief Engineer	Ford	AVT3	cwilson32@ford.com	
	Kapp	Dan	313-33-78554	CAPE	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com	
	Raqueau	Al	313-24-84329	APTE	PT CPS	Ford	APTE	araqauo1@ford.com	313-24-89884

0002-027-D 9959

EM02-DZ7-0 5059

GENERAL
TESTING

Tube Mounted DPFE Issue Resolution Electrical Work Plan

1. Determine the minimum wiring capacitance required between potential noise sources (ignition primary, ignition secondary) and the sensor wires (VREF and Vsignal) to cause a sensor latch-up (noise capacitively coupled through wiring harness).
2. Determine the maximum realistic coupling capacitance between the sensor wiring and potential noise sources (ignition primary wiring).
3. Determine the minimum energy required to cause a sensor latch-up for both positive and negative transients (VREF and Vsignal inputs).
4. Determine if an intermittent connector can cause a sensor latch-up.
5. Determine if loose or noisy PCM grounds can induce differential noise transients across the sensor.
6. Analyze returned sensors (failed and TNI parts to determine if terminal gold plating is worn).
7. Review wiring between Focus, Escape and Explorer (best).

Discussion: The testing done thus far, including the test methods used.



Kavlico TM dPFE Sensor

**Meeting Minutes, Attendance
Sheets**

Book 2

Panaretos, Christine (C.M.)

From: Plante, Paul (P.G.)
Sent: Thursday, January 17, 2002 10:11 AM
To: Owens, Karen (K.E.); Panaretos, Christine (C.M.); Gates, Freeman (F.C.); Freeland, Mark (M.); Plante, Paul (P.G.)
Subject: Conference Call for DPFE Sensor Meeting

The host moderator must open the conference call first before others can tie in. In order to do that you need the phone # 9-1-954-1149 (Ford) or 847-619-6158 (outside), then Passcode 6881436#, then moderator code 2634436#.

Please do not pass the moderator code on to others, the bill goes to this person.

Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pilar D5
Tele. 313-84-54138; Fax 39-02513
Text Pager: 734-296-1806
E Mail: pplante@ford.com (CDS ID PPLANTE)

cc, Christine (C.M.)

From: Rosal, Roberto (R.A.)
Sent: Tuesday, January 15, 2002 11:56 AM
To: Panaretos, Christine (C.M.)
Subject: RE: Kavlico dPFE Sensor Core Team Meeting

Chris,

If you want we can use my Phone Conference Call In Number

Conference Phone

Inside Ford: 9-1-954-1149

Outside Ford: 847-619-6158

Passcode: 6881436#

Robert Rossi
Electrical/Electronic Systems Campaign Prevention Specialist
North American Car Lifestyle Vehicles
Phone/Fax: 84-51436

-----Original Appointment-----

From: Panaretos, Christine (C.M.)
Sent: Tuesday, January 15, 2002 11:09 AM
To: Alins, Mary (M.); Alins, Sheran (S.A.); Arnold, Kenneth (K.M.); Awad, Mahmoud (M.I.); Ayers, Don; Freeland, Mark (M.); Gatus, Freeman (F.C.); O'Neil, Jim (J.D.); Owens, Karen (K.E.); Panaretos, Christine (C.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Rosal, Roberto (R.A.); Schieding, Kurt (K.J.); Smythe, Joseph (J.M.); Verner, Carol (C.J.)
Cc: Schieding, Kurt (K.J.); Alins, Mary (M.); Plante, Paul (P.G.); Verner, Carol (C.J.)
Subject: Updated: Kavlico dPFE Sensor Core Team Meeting
Where: Tuesday, January 15, 2002 12:00 PM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where: POEE D1196 (War Room in FMEI Dept.)
Importance: High

THE MEETING WILL START AT NOON TODAY.

These are the ongoing meetings for the Kavlico™ dPFE sensor. The Tuesday meetings will last 1.5 hours. We will have a teleconference with Kavlico and any other team members who are unable to attend but still want to participate. The telephone number to the conference room and passcode will be sent in another notice.

13



ERIC-027-D 9004

5/16/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

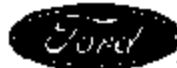
* Denotes Core Team Member

CORE TEAM	INITIALS	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
	YMA	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Akolkar	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	saakolkar@ford.com
		Albrecht	Gunther	313-32-23163	Service Engineer	Ford	POEE	galbrech@ford.com
		Alles	Sheran	313-59-40663	EESE - AVT Wiring Specialist	Ford	AV76	aalles@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Audler	Jim	313-32-38763	Chief Engineer	Ford	POEE	jaudler@ford.com
		Awad	Mahmoud	313-24-88869	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Baneek	Catherine	313-32-36101	FMEI CPMT Eng/WERs concerns	Ford	POEE	cbaneek2@ford.com
		Bensudar	Lee	313-84-50681	FQE Supervisor	Ford	TWCTDR	lbensud@ford.com
		Bleal	Gerry	313-24-86280	ECI Supervisor	Ford	TWCTDR	gbleal@ford.com
		Bronni	Mark	313-24-84508	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Danee	Adam	313-32-26688	Master Black Belt	Ford	POEE	adanee@ford.com
		Davies	Brady	805-523-2000	Director MEMB Technology	Kavlico	CA	bdavies@kavlico.com
		Deab	Joe	313-84-59003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeab@ford.com
		Douglass	Jim	313-33-72655	Vehicle Environmental Engineering	Ford	FPB4	jdougla@ford.com
		Freeland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galarza	Chris	313-84-59067	4.6L OPD	Ford	POEE	cgalarza@ford.com
		Gates	Freeman	313-32-24907	FMEI Tech Spec/Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20926	C&P Supervisor	Ford	VPC	mgiorda1@ford.com
		Hargas	Jon	313-25-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	jhargas@ford.com
		Jahshan	John	734-866-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	johns@ford.com
		Kerazi	Keren	313-20-63387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		King	Lamar	313-59-41833	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozowski	John	313-32-28973	Chief Engineer	Ford	POEE	kozow@ford.com

EMR2-821-0 5885

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Olaf	313-20-86830	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-28682	Leader	Ford	FPB4	gmasura@ford.com
*	JM	Maurer	Jim	313-39-03672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Mutar	Doreen	313-248-8391	Recall Analyst	Ford	FCSD	dmutar@ford.com
*		Nielsen	Chris	734-28-89888	Service Buyer	Ford	FCSD	cnlielsen1@ford.com
*		O'Neal	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
*	AP	Parna	Amy	313-390-8849	Proj. Mgt. Analyst	Project Solutions	POEE	aparna2@ford.com
	AP	Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascorny	Kan	313-24-84689	PT Electronics Engineer	Ford	POEE	kpascorny@ford.com
*		Pary	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escapes	Ford	POEE	bopary@ford.com
*	PS	Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88503	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Requepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	arequepau1@ford.com
*		Rossi	Robert	313-84-51439	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrossi1@ford.com
		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschledi@ford.com
*		Shore	John	734-26-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tanashiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttanashiro@kavlico.com
		Trujillo	Tom	313-32-38266	OGC Lawyer	Ford	PDC	ttrujil2@ford.com
		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
*		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhite@ford.com
		Williamson	Pick	313-24-86348	ECI Prod.Con.Anal	Ford	FCSD	rwil110@ford.com

EP02-027-D 0000



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: May 16, 2002
Time: 1-2:30 p.m.
Location: POEB, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): May 16, 2002, Core Team Meeting
 May 21, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

<u>Black Belt</u>	<u>Kavlico</u>	<u>V-Engins</u>	<u>Quality Office</u>	<u>EESE</u>	<u>Purchasing</u>
Mark Procland	Mary Akina	Jim O'Neall	Mahmoud Awad	Shoran Allos	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rost	Bill McCarty
Jon Janda	Kyong Park	Chris Parnetco			Patrice White-Johnson
		Paul Plante		<u>PCSE</u>	
<u>Team Leader</u>	<u>Visteon</u>	Carol Verner		Ken Arnold	
Jim Maurer	John Jabshan			Brian Perry	

Meeting Agenda - 5/16/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Outside consultant's participation at Analytical Solutions	I5, A5	Bill McCarty	10 minutes
2. Update on Body and Assembly plant failures at Norfolk	I3, A3	Don Ayers	10 minutes
3. Update from May 13, 1-3:00 p.m. Issues Resolution Mtg.		Paul Plante	10 minutes
4. Supplier Technical Asst. (STA) weekly update		Patrice White-Johnson	10 minutes
5. Kavlico/Ford travel to Analytical Solutions Status		Jim Maurer	10 minutes
6. Walk-ins		All	20 minutes

<u>Proposed Next Meeting Agenda 5/21/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to apora2. (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 5/15/02
 Kavlico dPFE Sensor Core Team

Poma, Amy (A.)

From: Poma, Amy (A.)
Sent: Wednesday, May 15, 2002 12:17 PM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auller, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Badoske, Pete (P.F.); Banasik, Catherine (C.K.); Bersuder, Lee (L.C.); Blass, Garry (G.); Bronni, Mark (M.J.); Bugaj, Barry; Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hangas, Jon (J.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerzai, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muler, Doraen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswalt, Greg (G.G.); Park, Kyong; Pascany, Ken (K.M.); Pary, Brian (B.J.); Plants, Paul (P.G.); Poma, Amy (A.); Popoff, Daniel (D.M.); Raquepsau, Alden (A.P.); Rossi, Roberto (R.A.); Schleding, Kurt (K.J.); Shore, John (J.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.)
Subject: issues Deck and Agenda for May 18, 2002 Kavlico meeting


Team -


Team-

Attached please find the Agenda and Issues Deck for the Kavlico dPFE Sensor core team meeting for today May 14 from 1:00-2:30 p.m. in conference room DI-198 (POEE FMEI dept.) If you are a presenter on the Agenda, please bring 15 copies of your handouts and forward your presentation /updates to me, apoma2, via email no later than 1 hour before the meeting. Also, please review the Issues, as these correlate to the Agenda, to prepare to talk to your responsible items.

The following are listed on the Agenda for today's meeting:

Bill McCarty
Don Ayers
Paul Plants
Patrice White-Johnson
Jim Maurer


Kpl_Tamashiro/20020515
02.pdf


Kavlico Meeting
Agenda_051402....

Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CQ-156
phone-313-390-8849, fax: 313-390-4084
apoma2@ford.com

ENG2-927-0 5/14/02

5/14/02

created: 12/11/01
 revised: 5/8/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1196

Meeting Date: 5/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Akolkar	Shri	313-59-41908	8 σ Sigma Black Belt	Ford	POEE	saakolkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	calbrech@ford.com
*		Allee	Sheran	313-59-40558	EESE - AVT Wiring Specialist	Ford	AVT5	sallee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		RUBER	Jim	313-32-38783	Chief Engineer	Ford	POEE	jeuler@ford.com
*	MA	Awad	Mahmoud	313-24-83989	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansek	Catherine	313-32-38101	FMEI CPMT Eng./WFRs concerns	Ford	POEE	cbansek2@ford.com
		Bensuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lbensude@ford.com
		Bless	Gerry	313-24-86280	ECI Supervisor	Ford	TWCTDR	gbless@ford.com
		Bronni	Mark	313-24-84508	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Danee	Adam	313-32-28898	Master Black Belt	Ford	POEE	adane@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58008	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-55-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
*	MA	Freeland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-58087	4.6L OPD	Ford	POEE	cgalante@ford.com
*		Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Hangas	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com
	MA	Jahshan	John	734-866-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Janda	Jon	313-24-82589	8 σ Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	johson@ford.com
		Karazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkarazi@ford.com
		King	Lamar	313-59-41833	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Koszewnik	John	313-32-28973	Chief Engineer	Ford	POEE	jkoszewn@ford.com

2002-027-0 0678

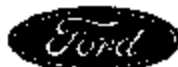
created: 12/11/01
revised: 5/5/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D1196

Meeting Date: 5/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
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* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Olef	313-20-88930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-28682	Leader	Ford	FPB4	gmasura@ford.com
		Maurer	Jim	313-39-03872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarthy	Bill	313-69-41031	Production Buyer	Ford	Purchasing	wmccar1@ford.com
	<i>DM</i>	Muter	Doreen	313-248-6981	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nelson	Chris	734-26-88866	Service Buyer	Ford	FCSD	cnelson4@ford.com
		O'Neal	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
	<i>DF</i>	Poma	Amy	313-390-8848	Proj. Mgt. Analyst	Project Solutions	POEE	apoma2@ford.com
		Park	Kyong	805-623-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84868	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escort S	Ford	POEE	bperry@ford.com
		Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88803	G&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Aj	313-24-84328	APTE PT CPS	Ford	APTE	araquep1@ford.com
		Rosal	Robert	313-84-61436	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrosal1@ford.com
		Schleding	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschledi@ford.com
		Shore	John	734-26-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamashiro	Terry	805-623-2000	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com
		Trujillo	Tom	313-32-36285	OGC Lawyer	Ford	PDC	ttrujil2@ford.com
	<i>1</i>	Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitejo@ford.com
		Williamson	Rick	313-24-88348	ECI Prod. Con. Anal.	Ford	FCSD	rwill110@ford.com

ENG-027-0 5871



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: May 14, 2002
Time: 1-2:30 p.m.
Location: POBE, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): May 16, 2002, Core Team Meeting
 May 21, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	V-Engine	Quality Office	HESE	Purchasing
Mark Freeland	Mary Akins	Jim O'Neall	Mahmoud Awad	Sherna Allos	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda	Kyong Park	Chris Panaretos			Patrice White-Johnson
		Paul Plants		PCSE	
Team Leader	Visteon	Carol Verner		Ken Arnold	
Jim Maurer	John Jahshan			Brian Perry	

Meeting Agenda - 5/14/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Review and discuss updated Workplan	E3, A10	Jim Maurer	20 minutes
3. Update on Body and Assembly plant failures-Norfolk	E3, A3	Don Ayers	10 minutes
4. Outside consultant's participation at Analytical Solutions	E5, A5	Bill McCarty	10 minutes
5. Effect of Scientific Coating process change to warranty.	E3	Kyong Park	15 minutes
6. Update from May 13 Monday 1-3:00 pm Issues meeting		Paul Plants	15 minutes
7. Update on Warranty Claims	E6, A4	Mary Akins	5 minutes
8. Walk-In		All	5 minutes

<u>Proposed Next Meeting Agenda 5/16/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/csp: 5/14/02
 Kavlico dPFE Sensor Core Team

Poma, Amy (A.)


Subject: Kevlco TM dPFE Sensor
Agenda and Issues Deck for Tuesday, May 14, 2002 1-2:30 p.m.

Team-

Attached please find the Agenda and Issues Deck for the Kevlco dPFE Sensor core team meeting for today May 14 from 1:00-2:30 p.m. in conference room DI-196 (POEE FMEI dept.) If you are a presenter on the Agenda, please bring 15 copies of your handouts and forward your presentation /updates to me, apoma2, via email no later than 1 hour before the meeting. Also, please review the Issues, as these correlate to the Agenda, to prepare to talk to your responsible items.

The following are listed on the Agenda for today's meeting:

**Jim Meurer
Don Ayers
Bri McCarty
Kyong Park
Paul Plante
Mary Akina**


Kevlco Meeting
Agenda_051402....


Kevlco Meeting
000pfe.pdf...

Thanks and have a great day!

*Amy Poma
V-Engine Engineering-Project Mgmt.
POEE Building, FMEI Cube CQ-156
phone-313-390-8849, fax: 313-390-4084
apomaz@ford.com*

ER02-027-D 5674

5/9/02

created: 12/11/01
 revised: 5/6/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1165

Meeting Date: 6/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Akolkar	Shri	313-69-41908	Six Sigma Black Belt	Ford	POEE	saakolkar@ford.com
		Albrecht	Gunther	313-32-28163	Service Engineer	Ford	POEE	galbrecht@ford.com
*		Aljoe	Sheran	313-69-40653	EESE - AVT Wiring Specialist	Ford	AVT6	saljoe@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Audler	Jim	313-32-38783	Chief Engineer	Ford	POEE	jaudler@ford.com
*	MA	Awad	Mahmoud	313-24-83949	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banack	Catherine	313-32-38101	FMEI CPMT Eng./WFRs concerns	Ford	POEE	cbanack2@ford.com
		Bersuder	Lee	313-84-50881	FOE Supervisor	Ford	TWGTDR	lbersude@ford.com
		Bless	Gary	313-24-88280	ECI Supervisor	Ford	TWGTDR	gbless@ford.com
		Bronni	Mark	313-24-84809	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	✓	Darves	Adam	313-32-28998	Master Black Belt	Ford	POEE	adarves@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglase	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglase@ford.com
*	JP	Freeland	Mark	313-69-47845	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-69087	4.6L OPD	Ford	POEE	cgalante@ford.com
*	JA	Gates	Freeman	313-32-24907	FMEI Tech Spec/Technical Lead	Ford	POEE	fgates@ford.com
		Gordano	Mike	313-32-20926	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Haggas	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhaggas@ford.com
	PJO	Jahshan	John	734-666-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Janda	Jon	313-24-82889	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-58202	FMEI Section Supv.	Ford	POEE	johanson@ford.com
		Karezi	Karen	313-20-63387	FMEI AWS Analyst	Ford	POEE	kkarezi@ford.com
		King	Lamar	313-69-41833	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Koszewnik	John	313-32-28973	Chief Engineer	Ford	POEE	jkoszewn@ford.com

E982-027-D 5875

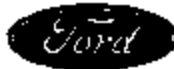
created: 12/11/01
revised: 5/8/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D1196

Meeting Date: 5/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
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* Denotes Core Team Member								
CORE TEAM	FMEI	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Daf	313-20-85830	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-28862	Leader	Ford	FPB4	gmatura@ford.com
*		Maurer	Jim	313-39-09672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarthy	BRI	313-69-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Mutar	Doreen	313-248-9391	Recall Analyst	Ford	FCSD	dmutar@ford.com
*		Nielsen	Chris	734-28-88888	Service Buyer	Ford	FCSD	cnlielsen@ford.com
*		O'Neill	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswalt	Greg	313-39-01100	Critical Con. Mgr.	Ford	FCSD	goseal@ford.com
*		Poma	Amry	313-390-8849	Proj. Mgt. Analyst	Project Solutions	POEE	apoma2@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascany	Ken	313-24-84568	PT Electronics Engineer	Ford	POEE	kpascany@ford.com
*		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escap	Ford	POEE	bperry@ford.com
*		Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88903	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araquep1@ford.com
*		Ross	Robert	313-84-51436	Wiring CPS - EESE Leader	Ford	Bldg. #1	rross1@ford.com
		Schleding	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschled1@ford.com
*		Shore	John	734-28-89788	P&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tanashiro	Terry	805-523-2000	Warranty Analyst	Kavlico	CA	ttanashiro@kavlico.com
		Trujillo	Tom	313-32-38265	OGC Lawyer	Ford	POC	ttrujil2@ford.com
		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
*		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitejo@ford.com
		Williamson	Rick	313-24-88348	ECI Prod.Con Anal.	Ford	FCSD	rwill11D@ford.com

ENG2-027-D 5976



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: May 9, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMBI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): May 14, 2002, Core Team Meeting
 May 16, 2002, Core Team Meeting

Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belt	Kavlico	V-Engine	Quality Office	ERSE	Purchasing
Mark Freeland	Mary Akins	Jim O'Neill	Mahmoud Awad	Sharan Altes	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Pascareto			Patrick White-Johnson
		Paul Plante		PCSE	
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 5/9/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Review and discuss proposed Workplan	13, A10	Jim Maurer	30 minutes
3. Update on Body and Assembly plant failures	13, A3	Don Ayers	10 minutes
4. Update on "In Process" acid tested parts	15, A6	Jim Maurer, Mark Freeland	15 minutes
5. Update from May 2, Staff meeting <i>Elec. testing vehicles</i>		Paul Plante	15 minutes
6. Walk-ins <i>N/D</i>		All	10 minutes
7. Next Meeting Agenda Items		All	5 minutes

<u>Proposed Next Meeting Agenda 5/14/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to apoma2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/tpc: 5/8/02
 Kavlico dPFE Sensor Core Team

E982-827-D 5977

EM02-027-D 8878

5/7/02

created: 12/11/01
 revised: 5/6/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D108

Meeting Date: 5/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
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* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-61989	On-Site Rep.	Kavlico	POEE	mekins@ford.com
	SA	Akolkar	Shil	313-68-41908	6x Sigma Black Belt	Ford	POEE	sekolkar@ford.com
		Albrecht	Günther	313-32-23153	Service Engineer	Ford	POEE	galbrecht@ford.com
*		Alles	Sharan	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVTB	salles@ford.com
		Arnold	Kan	313-24-64178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auler	Jim	313-32-38783	Chief Engineer	Ford	POEE	jauler@ford.com
*	MA	Awad	Mahmoud	313-24-83880	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayars	Don	806-623-2000	Program Manager/Technical Leader	Kavlico	CA	davars@kavlico.com
		Banrak	Catherine	313-32-38101	FMEI CPMT Eng./WERA concerns	Ford	POEE	cbanrak2@ford.com
		Bersuder	Lee	313-84-60881	FOE Supervisor	Ford	TWCTDR	lbersuder@ford.com
		Bisai	Gerry	313-24-88280	ECI Supervisor	Ford	TWCTDR	gbisai@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorda	POEE	mbronni@ford.com
		Danes	Adam	313-32-26698	Master Black Belt	Ford	POEE	adanes@ford.com
		Davies	Brady	806-623-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
*	MA	Freeland	Mark	313-59-47846	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-69087	4.8L OPD	Ford	POEE	cgalante@ford.com
*		Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Harpas	Jon	313-23-31098	FRL Scan Elec Microscope-Expert	Ford	FRL	jharpas@ford.com
	MA	Jahshan	John	734-696-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Janda	Jon	313-24-82888	6x Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-68282	FMEI Section Supv.	Ford	POEE	johson@ford.com
		Kerezi	Karen	313-20-63387	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
		King	Lamar	313-68-41693	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozzavrik	John	313-32-26673	Chief Engineer	Ford	POEE	kozavrik@ford.com

EA82-827-0 EA78

dated: 12/11/01
 revised: 5/8/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - 01195

Meeting Date: 5/7/02

Please:								
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* Denote Core Team Member								
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		Kunde	Olaf	313-20-85930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29662	Leader	Ford	FPB4	gmamura@ford.com
*	JM	Maurer	Jim	313-39-03672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-89-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
	JM	Mular	Doreen	313-248-9391	Recall Analyst	Ford	FCSD	dmular@ford.com
*		Nelson	Chris	734-28-89888	Service Buyer	Ford	FCSD	cnelson4@ford.com
*	JBO	O'Neill	Jim	313-32-28939	FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	gosewalt@ford.com
*	DP	Poma	Amy	313-390-8949	Proj. Mgt. Analyst	Project Solutions	POEE	apoma2@ford.com
		Park	Kyong	806-623-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84668	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
*		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
*	JM	Polans	Paul	313-84-54138	Campaign Manager	Ford	POEE	polans@ford.com
		Popoff	Den	313-24-88603	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raguepau	Al	313-24-84328	APTE PT CPS	Ford	APTE	araguepau1@ford.com
*	RAR	Rosal	Robert	313-84-51436	Writing CPS - EESE Leader	Ford	Bldg. #1	rosal1@ford.com
		Schleding	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschledi@ford.com
*		Shore	John	734-28-89769	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com
		Trujillo	Tom	313-32-38266	OGC Lawyer	Ford	PDC	trujillo2@ford.com
		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwjohnso@ford.com
		Williamson	Rick	313-24-88948	ECH Prod. Con. Anal.	Ford	FCSD	rwll110@ford.com
		CARTER	ROL	313-323-1735	SRL Tec Spec (572EE)	FORD	SRL	rcarter@ford.com

EM82-827-0 5896



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: May 7, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): May 9, 2002, Core Team Meeting
 May 14, 2002, Core Team Meeting

Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>EESE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akins	Jim O'Neal	Mahmoud Awad	Sherrin Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patricia White-Johnson
		Paul Plante		<u>PCSE</u>	
<u>Team Leader</u>		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 5/7/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. FRL Update of UPAD	I3, A2	Mark Freeland	15 minutes
3. Update on Body and Assembly plant failures	I3, A3	Don Ayers	10 minutes
4. Sensor Failure Mode	I1, A6	Shri Akolkar	10 minutes
5. Outside Lab / Non disclosure agreement - status	I5, A5	Bill McCarty	5 minutes
6. Update on "In Process" acid tested parts; Discussion of chemical analysis of gel	I5, A6, A8	Jim Maurer, Mark Freeland	15 minutes
7. Update from May 2, Stalls meeting		Paul Plante	15 minutes
8. Walk-ins		All	10 minutes
9. Next Meeting Agenda Items		All	5 minutes

<u>Proposed Next Meeting Agenda 5/9/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 5/7/02
 Kavlico dPFE Sensor Core Team

EM82-077-D 0982

5/8/02

EA82-027-D 5663

4/5/02

created: 12/11/01
revised: 4/30/02

2001-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - DI196

Meeting Date: 4/30/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Aldine	Mary	313-24-81958	On-Site Rep.	Kavlico	POEE	maaldine@ford.com
		Akolkar	Shri	313-59-41906	Six Sigma Black Belt	Ford	POEE	saakolkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	gaalbrech@ford.com
*		Alles	Sharan	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVTs	saalles@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold1@ford.com
		Auiler	Jim	313-32-38783	Chief Engineer	Ford	POEE	jaulier@ford.com
*		Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansak	Catherine	313-32-38101	FMEI CPMT Eng./AWEs concerns	Ford	POEE	cbansak2@ford.com
		Berasudic	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lberasudic@ford.com
		Bisal	Gary	313-24-86280	ECI Supervisor	Ford	TWCTDR	gbisal@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	AD	Danias	Adam	313-32-28898	Master Black Belt	Ford	POEE	adarias@ford.com
	✓	Devisea	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdevisea@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72655	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
*	MB	Freeland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-59087	4.6L OPD	Ford	POEE	cgalante@ford.com
*	JH	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgordano1@ford.com
	JH	Hangas	Jon	313-29-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com
	AD	Jahshan	John	734-868-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
	AD	Janda	Jon	313-24-82580	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	johneon@ford.com
		Karezi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkarezi@ford.com
		King	Lamar	313-59-41833	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
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EM2-027-D 0684

created: 12/11/01
revised: 4/30/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D1198

Meeting Date: 4/30/02

Please:								
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CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Otaf	313-20-65890	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29882	Leader	Ford	FPB4	gmasura@ford.com
		Maurer	Jim	313-39-09872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-58-41091	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Dozen	313-248-9391	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nielsen	Chris	734-26-68898	Service Buyer	Ford	FCSD	cnlsn4@ford.com
		O'Neall	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneall@ford.com
		Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
		Panaretos	Chris	313-24-88337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84889	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
		Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88803	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84928	APTE PT CPS	Ford	APTE	araqepau1@ford.com
		Rosel	Robert	313-84-51436	Wiring CPS - EESE Leader	Ford	Blkg. #1	rrosel1@ford.com
		Schieding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschiedi@ford.com
		Shore	John	734-26-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamashiro	Tarry	805-523-2000	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com
		Trufflo	Tom	313-32-36286	OGC Lawyer	Ford	PDC	ttruff2@ford.com
		Vemer	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cvermer@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwjohnso@ford.com
		Williamson	Rick	313-24-86348	ECI Prod.Con.Anal.	Ford	FCSD	rw110@ford.com
		Poma	Greg		PMA	Project Id.		

FMEI-027-0 5/02

EMR2-827-D 5495

4/25/02

created: 12/11/01
 revised: 4/25/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - 03198

Meeting Date: 4/25/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
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* Denotes Core Team Member								
CORE TEAM	FMEI	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	WA	Akine	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makine@ford.com
		Alkolar	Shir	313-59-41908	Six Sigma Black Belt	Ford	POEE	esalkolar@ford.com
		Albrecht	Gunnar	313-32-23153	Service Engineer	Ford	POEE	galbrecht@ford.com
*		Alles	Sheran	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVTS	esalles@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Audler	Jim	313-32-38783	Chief Engineer	Ford	POEE	jaudler@ford.com
*	DA	Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
		Ayars	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	djayars@kavlico.com
		Baneak	Catherine	313-32-38101	FMEI CPMT Eng./WERA concerns	Ford	POEE	cbaneak2@ford.com
		Bersuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Bisai	Geoly	313-24-88280	ECI Supervisor	Ford	TWCTDR	gbisai@ford.com
		Bronni	Mark	313-24-84808	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	FD	Danes	Ajum	313-32-26898	Master Black Belt	Ford	POEE	adanes@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-56003	PT Elec Appl 3.0L 4V Eco/Taurus Supr.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-59-72655	Vehicle Environmental Engineering	Ford	FPB4	kdouglas@ford.com
*	MA	Freeland	Mark	313-59-47646	6-Sigma Black Belt	Ford	FRL	mfreeland1@ford.com
		Galarza	Chris	313-84-58087	4.8L OPD	Ford	POEE	cgalarza@ford.com
*	JA	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20926	C&P Supervisor	Ford	VPC	mgiordano1@ford.com
	JP	Hangas	John	313-23-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com
		Jahshan	John	734-886-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Janda	Jon	313-24-82588	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Korazi	Karen	313-20-83987	FMEI AWS Analyst	Ford	POEE	kkorazi@ford.com
		King	Lamar	313-59-41833	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozzawnik	John	313-32-28973	Chief Engineer	Ford	POEE	lkozawn@ford.com

E982-027-0 5087

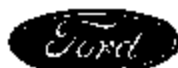
created: 12/11/01
revised: 4/25/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D1190

Meeting Date: 4/25/02

Please:								
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		Kunde	Carl	313-20-85880	PT Focus Program Mgr.	Ford	VPC	ckunde1@ford.com
		Masura	Gordon	313-32-29882	Leader	Ford	FPB4	gmasura@ford.com
	JM	Maurer	Jim	313-39-09672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-8381	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nilsen	Chris	734-25-88886	Service Buyer	Ford	FCSD	cnilsen4@ford.com
	JAS	O'Neill	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
		Panaretse	Chris	313-24-89837	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
	KP	Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascany	Ken	313-24-84889	PT Electronics Engineer	Ford	POEE	kpascany@ford.com
		Ferry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bferry@ford.com
		Plante	Rick	313-84-54138	Campaign Manager	Ford	POEE	rpante@ford.com
		Popoff	Dan	313-24-88603	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araqepau1@ford.com
		Rosal	Robert	313-84-51438	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrosal1@ford.com
		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschledi@ford.com
		Shore	John	734-26-88789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tameshiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttameshiro@kavlico.com
		Trujillo	Tom	313-32-88265	OGC Lawyer	Ford	PDC	trujill2@ford.com
		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
	WJ	White-Johnson	Rayrice	313-39-04409	STA Site Manager	Ford	AYTS	rwhitejc@ford.com
		Williamson	Rick	313-24-89348	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com

EM02-027-D 0688



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: **Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor**

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: April 25, 2002
Time: 1-3:00 p.m.
Location: POBE, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): April 30, 2002, Core Team Meeting
 May 2, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts Mark Freeland Shri Akolkar Jon Janda	Kavlico Mary Akins Don Ayers	V-Engines Jim O'Neal Freeman Gates Chris Panaretos Paul Plante Carol Verner	Quality Office Mahmoud Awad	HESE Sheran Alles Robert Rossi	Purchasing Chris Nielsen Bill McCarty Patrice White-Johnson
Team Leader Jim Maurer				ECSE Ken Arnold Brian Perry	

Meeting Agenda - 4/25/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Update on Body and Assembly plant failures	I3, A3	Don Ayers, Mark Freeland	10 minutes
3. PCM update on how much current it takes to stall vehicle	I3, A5	Brian Perry	10 minutes
4. Outside Lab - Noa disclosure agreement, work plan, objectives	I5, A5	Kyong Park Jim Maurer	10 minutes
5. Update on "In Process" acid tested parts	I5, A6	Freeman Gates	10 minutes
6. Update on installing "lab induced" failed sensors in vehicles	I6, A1	Jim Maurer (Larry Stutz)	10 minutes
7. Update on obtaining high-mileage parts for FRL analysis	I6, A6	Jim Maurer (John Fiu)	10 minutes
8. Update on obtaining buy-back vehicles and parts for testing	I6, A5	John Fiu	10 minutes
9. Update on PV Failures	I12, A10	Patrice White-Johnson	10 minutes
10. Status of Supplier order for field service parts	I16, A4	Bill McCarty	5 minutes
11. Walk-ins		All	10 minutes
12. Next Meeting Agenda Items		All	5 minutes

<u>Proposed Next Meeting Agenda 4/30/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/op: 4/24/02
 Kavlico dPFE Sensor Core Team

E902-027-D 5988

ERR2-027-D 0000

4/20/02

created: 12/11/01
 revised: 4/23/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1196

Meeting Date: 4/23/02

Please:								
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		Akna	Mary	313-24-81969	On-Site Rep.	Kavlico	POEE	mekna@ford.com
		Akshar	Siri	313-69-41808	Six Sigma Black Belt	Ford	POEE	akshar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	albrecht@ford.com
		Alice	Sheran	313-69-40663	EESE - AVT Wiring Specialist	Ford	AVT6	salice@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Aulier	Jim	313-32-35763	Chief Engineer	Ford	POEE	aulier@ford.com
		Awad	Mahmoud	313-24-83869	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banask	Catherine	313-32-38101	FMEI CPMT Eng./WEFs concerns	Ford	POEE	cbanask2@ford.com
		Berauder	Lee	313-84-50681	FQE Supervisor	Ford	TWCTDR	beraud@ford.com
		Bleal	Gerry	313-24-85280	ECl Supervisor	Ford	TWCTDR	obleal@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Danes	Adam	313-32-26666	Master Black Belt	Ford	POEE	adan@ford.com
		Devise	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	brdevise@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-63-72665	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
		Freeland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-59067	4.8L OPD	Ford	POEE	cgalante@ford.com
		Gates	Freesman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Hanges	Jon	313-23-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	jhanges@ford.com
		Jahshan	John	734-866-2759	PCBE Applications Engineer	Viateon	POEE	jahshan@viateon.com
		Janda	Jon	313-24-82688	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	johson@ford.com
		Karazi	Wren	313-20-83387	FMEI AWS Analyst	Ford	POEE	wkarazi@ford.com
		King	Lamar	313-69-41833	FMEI EGR Supervisor	Ford	POEE	kingl@ford.com
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ENG-627-D 0001

created: 12/11/01
revised: 4/23/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - DM196

Meeting Date: 4/23/02

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		Kunde	Olef	313-20-86930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-29662	Leader	Ford	FPB4	omasura@ford.com
		Maurer	Jim	313-39-03672	Taxm Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-245-9391	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nielsen	Chris	784-28-89888	Service Buyer	Ford	FCSD	cnliens4@ford.com
		O'Neal	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneal1@ford.com
		Oswalt	Greg	313-99-01160	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
		Panaretos	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyorig	805-623-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84669	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escap	Ford	POEE	bperry@ford.com
		Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Bill	313-24-89903	O&P Quality Eng (Leader)	Ford	VPC	bpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araqepau1@ford.com
		Ross	Robert	313-84-51436	Writing CPS - EESE Leader	Ford	Bldg. #1	rross1@ford.com
		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschled1@ford.com
		Shore	John	784-28-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Taneshiro	Terry	805-623-2000	Warranty Analysis	Kavlico	CA	ttaneshiro@kavlico.com
		Truffilo	Tom	313-32-98265	OGC Lawyer	Ford	PDC	ttruffil2@ford.com
		Verner	Carol	313-39-07190	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-99-04409	STA Site Manager	Ford	AVTS	pwhitejo@ford.com
		Williamson	Rick	313-24-89348	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com

EM02-027-D 0002


Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Monday, April 22, 2002 2:17 PM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auller, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoeka, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Bissel, Gerry (G.); Bronni, Mark (M.J.); Bugaj, Barry; Danes, Adam (A.V.); Davies, Brady; Daeb, Joe (J.S.); Douglass, Jim (J.B.); Freehand, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.G.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hargas, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Koszewnik, John (J.J.); Kunda, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plants, Paul (P.G.); Popoff, Daniel (D.M.); Raquapau, Alden (A.P.); Ross, Roberto (R.A.); Schleding, Kurt (K.J.); Shore, John (J.); Tameahiro, Terry; Trujillo, Thomas (T.G.); Varner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.)
Cc: Fiu, John (J.J.)
Subject: Agenda and Issues for 4/23 Kavlico dPFE Sensor Core Team Meeting

Attached please find the agenda and Issues Deck for the Kavlico dPFE Sensor core team meeting, to be held tomorrow, April 23, from 1-2:30 in Conf. Room DI-186 (POEE - FMEI dept.). If you are a presenter on the agenda, please bring 15 copies of your handouts and forward your presentation/updates to me via e-mail no later than 1 hour prior to the meeting. Also, please review the issues, as these correlate to the agenda, to prepare to talk to your responsible items.

If you have any questions, please do not hesitate to contact me.


Kavlico_dPFE_041802.
pdf


Kavlico Meeting
Agenda_42302....

Chris Panaretos
Account Manager, Project Solutions at Ford Powertrain
POEE Building, Cube CG-071
(313) 24-89337; Fax: (313) 32-29265
cpanaret@ford.com



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: April 23, 2002
Time: 1-2:30 p.m.
Location: POER, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): April 25, 2002, Core Team Meeting
 April 30, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	V-Engine	Quality Office	EESE	Purchasing
Mark Freeland	Mary Akins	Jim O'Neill	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-Johnson
		Paul Plants		<u>PCSE</u>	
<u>Team Leader</u>		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 4/23/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Update on Body and Assembly plant failures	I3, A3	Don Ayers, Mark Freeland	10 minutes
3. Correlation of wiring and dPFE Warranty	I3, A4	Robert Rossi, Mahmoud Awad	10 minutes
4. Update on-FRL testing / evaluation of UPAD parts	I3, A2	Mark Freeland	10 minutes
5. Investigation of Stalls - Update on Pareto	I3, A9	Mahmoud Awad	10 minutes
6. Outside Lab - Non disclosure agreement, work plan, objectives	I5, A5	Kyong Park, Jim Maurer	10 minutes
7. Update on analyzing acid tested parts	I5, A6	Freeman Gates	10 minutes
8. Update on obtaining try-back vehicles for testing	I10, A6	John Furu	5 minutes
9. Status of Supplier order for field service parts	I16, A4	Bill McCarty	5 minutes
10. Walk-ins		All	10 minutes
11. Next Meeting Agenda Items		All	5 minutes

<u>Proposed Next Meeting Agenda 4/25/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 4/22/02
 Kavlico dPFE Sensor Core Team

E062-027-D 0004

RM2-027-D 5005

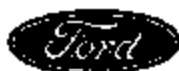
4/1/02

created: 12/11/01
 revised: 4/18/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1186

Meeting Date: 4/18/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81689	On-Site Rep.	Kavlico	POEE	mkins@ford.com
		Akolkar	Shri	313-58-41906	Six Sigma Black Belt	Ford	POEE	akolkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	albrecht@ford.com
*		Alex	Sheran	313-58-40553	EESE - AVT Wiring Specialist	Ford	AVT5	alex@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auiler	Jim	313-32-38763	Chief Engineer	Ford	POEE	jaulier@ford.com
*	MA	Awad	Mahmoud	313-24-83869	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansak	Catherine	313-32-98101	FMEI CPMT Eng./WEAs concerns	Ford	POEE	cbansak2@ford.com
		Bersuder	Lee	313-84-50881	FQE Supervisor	Ford	TWGTDR	bersuder@ford.com
		Bleal	Garry	313-24-86280	ECl Supervisor	Ford	TWGTDR	obleal@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	MP	Danes	Adam	313-32-28996	Master Black Belt	Ford	POEE	adanes@ford.com
		Devise	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdevise@kavlico.com
		Deeb	Joe	313-84-59008	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72655	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
*	MA	Freeland	Mark	313-58-47645	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Guise	313-84-58087	4.6L OPD	Ford	POEE	galante@ford.com
*		Gates	Freeman	313-32-24807	FMEI Tech Spec/Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgordano1@ford.com
	JH	Hangas	Jon	313-23-31066	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com
	MA	Jehshan	John	734-685-2759	PCSE Applications Engineer	Visteon	POEE	jehshan@visteon.com
		Janda	Jon	313-24-82586	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-88292	FMEI Section Supv.	Ford	POEE	johnson@ford.com
		Karazi	Karen	313-20-83987	FMEI AWS Analyst	Ford	POEE	karazi@ford.com
		King	Lamar	313-58-41833	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozowski	John	313-32-28973	Chief Engineer	Ford	POEE	jkozowski@ford.com



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: April 18, 2002
Time: 1-3:00 p.m.
Location: POHR, DI-196 (PMHI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): April 23, 2002, Core Team Meeting
 April 25, 2002

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	Y-Engines	Quality Office	EESE	Purchasing
Mark Freetland	Mary Akins	Jim O'Neal	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panarotos		PCSE	Patrice White-Johnson
Team Leader		Paul Plants		Ken Arnold	
Jim Maurer		Carol Verner		Brian Perry	

Meeting Agenda - 4/18/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Update on Body and Assembly plant failures	I3, A3	Terry Tamashiro	10 minutes
3. Update on Wiring Harness Root Causes / findings	I3, A4	Sheran Alles, Robert Rossi	15 minutes
4. Update on FRL testing / evaluation of UPAD parts	I3, A2	Mark Freetland	15 minutes
5. Investigation of Stalls - Update on Pareto, Parser Report data	I3, A9	Mahmoud Awad, Mary Akins	15 minutes
6. Outside Lab -- Non disclosure agreement, work plan, objectives	I5, A5	Kyong Park, Jim Maurer	15 minutes
7. Update on analyzing acid tested parts vs. warranty UPAD parts	I5, A6	Freeman Gates	10 minutes
8. Status of Concern to commonize parts	I16, A2	Jon Janda	5 minutes
9. Status of Supplier order for field service parts	I16, A4	Bill McCarty	5 minutes
10. Walk-ins		All	15 minutes
11. Next Meeting Agenda Items		All	10 minutes

<u>Proposed Next Meeting Agenda 4/23/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/tp: 4/18/02
 Kavlico dPFE Sensor Core Team

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Wednesday, April 17, 2002 1:16 PM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auller, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoska, Pete (P.F.); Bansek, Catherine (C.K.); Bensuder, Lee (L.C.); Blesi, Garry (G.); Bronni, Mark (M.J.); Bugaj, Barry; Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gatas, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hargas, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Oswald, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raquepau, Alden (A.P.); Rosal, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Vemer, Carol (C.J.); White-johnson, Patrice (P.); Williamson, Richard (E.)
Subject: Kavlico dPFE Agenda and Issues 4/18/02

Attached please find the agenda for the 4/18/02 Kavlico dPFE Sensor core team meeting, and the issues that relate to this. If you are a presenter on the agenda, please be prepared to speak to your updates, bring any documentation to the meeting and e-mail it to me if needed for distribution no later than one hour prior to the meeting. I also ask that all core team members review the *Open Issues* and be update me on any progress to your action items.

If you have any questions, please do not hesitate to contact me.


Kavlico Meeting
Agenda_041802....


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PDF

Chris Panaretos

Account Manager, Project Solutions at Ford Powertrain
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(313) 24-89337; Fax: (313) 32-29265
cpanaret@ford.com

ENR2-827-D 5708

4/10/03

created: 12/11/01
 revised: 4/18/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1190

Meeting Date: 4/18/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
	SA	Akofor	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	saakofor@ford.com
		Albrecht	Gunther	313-32-28153	Service Engineer	Ford	POEE	saalbrech@ford.com
		Albee	Sheran	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVT6	saalbee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	kenarnold@ford.com
		Aulier	Jim	313-32-38763	Chief Engineer	Ford	POEE	jaulier@ford.com
	MS	Awad	Mahmoud	313-24-83988	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
		Ayers	Don	805-823-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansak	Catherine	313-32-36101	FMEI CPMT Eng./WEs concerns	Ford	POEE	cbansak2@ford.com
		Bansuder	Lee	313-84-60881	FQE Supervisor	Ford	TWCTDR	lbansude@ford.com
		Bisai	Gary	313-24-88280	ECl Supervisor	Ford	TWCTDR	gbisai@ford.com
		Bronci	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronci@ford.com
	AD	Denes	Adam	313-32-28898	Master Black Belt	Ford	POEE	adenes@ford.com
		Davies	Brian	805-823-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-68008	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72656	Vehicle Environmental Engineering	Ford	FPB4	jdouglaa@ford.com
	MS	Freeland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-58067	4.6L OPD	Ford	POEE	cgalante@ford.com
	MS	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20826	C&P Supervisor	Ford	VPC	mgiorda1@ford.com
	SA	Hangas	Jon	313-23-31066	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com
	MS	Jahahan	John	734-668-2769	PCSE Applications Engineer	Viateon	POEE	jahahan@viateon.com
	MS	Janda	Jon	313-24-82588	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-68282	FMEI Section Supv.	Ford	POEE	johnean@ford.com
		Kerazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		King	Lemar	313-59-41833	FMEI EGR Supervisor	Ford	POEE	lking1@ford.com
		Kozzewnik	John	313-32-28973	Chief Engineer	Ford	POEE	jkozzev@ford.com

created: 12/11/01
 revised: 4/18/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1196

Meeting Date: 4/18/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	FMEI	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Otal	313-20-85830	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Maurus	Gordon	313-32-26882	Leader	Ford	FPB4	gmaurus@ford.com
	<input checked="" type="checkbox"/>	Maurer	Jim	313-32-03672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarthy	Bill	313-59-41081	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-9391	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nielsen	Chris	734-25-89885	Service Buyer	Ford	FCSD	cnliens4@ford.com
	<input checked="" type="checkbox"/>	O'Neill	Jim	313-32-26839	FMEI Dept. Mgr.	Ford	POEE	joneal1@ford.com
		Oswalt	Greg	313-39-01190	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
		Panaretos	Chris	313-24-99337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
	<input checked="" type="checkbox"/>	Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascany	Ken	313-24-84889	PT Electronics Engineer	Ford	POEE	kpascany@ford.com
	<input checked="" type="checkbox"/>	Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escapa	Ford	POEE	bperry@ford.com
	<input checked="" type="checkbox"/>	Plante	Paul	313-34-54135	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88603	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raqueau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araqeau1@ford.com
		Rosel	Robert	313-84-51436	Wiring CPS - EESB Leader	Ford	Bldg. #1	rrosel1@ford.com
		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschled1@ford.com
		Shore	John	734-26-99789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttamashiro@kavlico.com
		Trullio	Tom	313-32-36265	OGC Lawyer	Ford	PDC	ttrullio@ford.com
		Yamer	Carol	313-38-07180	FMEI Engineer	Ford	POEE	cyamer@ford.com
	<input checked="" type="checkbox"/>	White-Johnson	Fabrice	313-39-04409	STA Site Manager	Ford	AVTS	fwhitel@ford.com
		Williamson	Flek	313-24-99348	ECI Prod.Con.Anal.	Ford	FCSD	fw110@ford.com


EMR2-827-0 5782

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Monday, April 15, 2002 4:25 PM
To: Akina, Mary (M.); Akolkar, Shrikant (S.V.); Albracht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auller, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoeka, Pete (P.F.); Banek, Catharine (C.K.); Bereuder, Lee (L.C.); Bissi, Gerry (G.); Bronni, Mark (M.J.); Bugej, Barry; Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gastas, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hargas, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Koszownik, John (J.J.); Kunda, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Mutar, Doreen (D.J.); Nilsen, Christian (C.A.); O'Neal, Jim (J.D.); Oswalt, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Paschany, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raquepau, Alden (A.P.); Rossi, Roberto (R.A.); Schleding, Kurt (K.J.); Shora, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.)
Subject: Agenda and Issues for Kavlico dPFE Sensor

Attached please find the agenda and issues Deck for the Kavlico dPFE Sensor Core Team meeting on 4/16/02. If you are a presenter on the agenda, please bring 15 copies of your presentation and e-mail a copy to me no later than one hour prior to the meeting.

If you have any questions, please contact me.

 Kavlico meeting

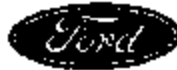
 Kav11000974_041502.

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Chris Panaretos

Account Manager, Project Solutions at Ford Powertrain
POEE Building, Cube CG-071
(313) 24-86337; Fax (313) 32-29256
cpanaret@ford.com



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: April 16, 2002
Time: 1-2:30 p.m.
Location: POER, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): April 18, 2002, Core Team Meeting
 April 23, 2002

Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-331-6574

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>BBSE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akins	Jim O'Neill	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-
		Paul Plants		<u>PCSE</u>	Johnson
<u>Team Leader</u>		Carol Verser		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 4/16/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Update on Body and Assembly plant failures	13, A3	Tecry Tamashiro	10 minutes
3. Update on Wiring Harness Root Causes / findings	13, A4	Sheran Alles, Robert Rossi	15 minutes
4. PCM solder crack issue (J1 connector) & current draw to stall the vehicle	13, A5	John Jahshan, Brian Perry	15 minutes
5. Outside Lab - Non disclosure agreement, work plan, objectives	13, A5	Kyong Park, Freeman Gates	15 minutes
6. Walk-ins		All	20 minutes
7. Next Meeting Agenda Items		All	10 minutes

<u>Proposed Next Meeting Agenda 4/18/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 4/15/02
 Kavlico dPFE Sensor Core Team

8982-827-D 5785

4/10/02

2000-2002 Kavlico dPFE Sensor
 Core Team Meeting
 FMEI - C1198

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
	SA	Alkofer	Shel	313-59-41906	Six Sigma Black Belt	Ford	POEE	alkofer@ford.com
		Albrecht	Günther	313-32-22153	Service Engineer	Ford	POEE	albrecht@ford.com
*		Abee	Shunan	313-59-40559	EESE - AVT Wiring Specialist	Ford	AVT5	abee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.0 F160 Supv./Leader	Ford	POEE	kenarnold@ford.com
		Auller	Jim	313-32-98763	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Manmoud	313-24-83989	Reliability Engineer/ Field Data Leader	Ford	POEE	manawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banasik	Catherine	313-32-38101	FMEI CPMT Eng./WEAs concerns	Ford	POEE	cbanasik2@ford.com
		Berauder	Lee	313-84-60981	FOE Supervisor	Ford	TWCTDR	berauder@ford.com
		Bleal	Geary	313-24-86280	ECl Supervisor	Ford	TWCTDR	gbleal@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
AD		Danes	Adam	313-32-88988	Master Black Belt	Ford	POEE	adanes@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-88093	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglase	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
*	MA	Freeland	Merk	313-59-47645	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galarita	Chris	313-84-59067	4.6L OPD	Ford	POEE	cgalarita@ford.com
*	SA	Gates	Freeman	313-32-24807	FMEI Tech Spec/Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VFC	mgiordano@ford.com
	JP	Hanges	Jon	313-23-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	jhanges@ford.com
	JHS	Jahshan	John	734-886-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
	SA	Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	johnsn@ford.com
		Kerezi	Karen	313-20-63367	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
		King	LeMar	313-59-41833	FMEI EGR Supervisor	Ford	POEE	kingl@ford.com
		Kozewnik	John	313-32-28673	Chief Engineer	Ford	POEE	kozewn@ford.com

creat: 2/11/01
 revised: 4/10/02

2000-2002 Kavlico - M dPFE Sensor
 Core Team Meeting
 FMEI - D1100

Meeting Date: 4/11/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
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* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Olaf	313-20-65930	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-92-29882	Leader	Ford	FPB4	gmasura@ford.com
*	JM	Maurer	Jim	313-98-03872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-9391	Recall Analyst	Ford	FCSD	dmuter@ford.com
*		Nielsen	Chris	734-28-68898	Service Buyer	Ford	FCSD	cnli2e4@ford.com
*		O'Neill	Jim	313-32-26839	FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com
		Oswalt	Greg	313-99-01180	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
*		Pararetos	Chris	313-24-89937	Proj. Mgt. Analyst	Project Solutions	POEE	cpararet@ford.com
		Park	Kyong	806-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Passerby	Kan	313-24-84889	PT Electronics Engineer	Ford	POEE	kpasserby@ford.com
*		Perry	Brian	313-99-04170	PT Elec Appl 2.0L Zetec Focus/Escapes S	Ford	POEE	bperry@ford.com
*	DP	Plante	Paul	313-84-84138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88808	Q&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84328	APTE PT CPS	Ford	APTE	aquepau1@ford.com
*		Ross	Robert	313-84-51436	Wiring CPS - EESE Leader	Ford	Bldg. #1	rross1@ford.com
		Schlieding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschlied@ford.com
*		Shore	John	734-28-89788	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamaahiro	Terry	806-523-2000	Warranty Analysis	Kavlico	CA	ttamaahiro@kavlico.com
		Trujillo	Tom	313-32-36285	OGC Lawyer	Ford	PDC	trujil2@ford.com
		Verner	Carol	313-99-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-99-04409	STA Site Manager	Ford	AVTS	pwj10@ford.com
		Williamson	Rick	313-24-86348	ECl Prod.Con.Anal.	Ford	FCSD	rwill11@ford.com
		OGOZALY	JIM	84334	ECR		POEE	jogozaly@Ford.com



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: April 11, 2002
Time: 1-3:00 p.m.
Location: POEB, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): April 16, 2002, Core Team Meeting
 April 18, 2002

Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	V-Enging	Quality Office	EESE	Purchasing
Mark Preestand	Mary Akins	Jim O'Neall	Mahmoud Awad	Sheran Allos	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rosal	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-Johnson
		Paul Plante		PCSE	
Team Leader		Carol Verzer		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 4/11/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Update on Body and Assembly plant failures	I3, A3	Terry Tamashiro	10 minutes
3. Update on Wiring Harness Root Causes / findings	I3, A4	Sheran Allos Robert Rosal	15 minutes
4. PCM solder crack issue (J1 connector) & current draw to stall the vehicle	I3, A5	John Jahahan, Brian Peery	15 minutes
5. AWS Data on 21 platforms - Status	I3, A9	Jon Janda, Mahmoud Awad	10 minutes
6. Update to Stack Charts & Correlation Studies	I3 & I16	Mahmoud Awad	20 minutes
7. Outside Lab - Non disclosure agreement, work plan, objectives	I5, A5	Kyong Park Freeman Gates	15 minutes
8. Walk-ins		All	20 minutes
9. Next Meeting Agenda Items		All	10 minutes

<u>Proposed Next Meeting Agenda 4/16/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARBT (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 4/10/02
 Kavlico dPFE Sensor Core Team

2002-027-D 5708

ERGZ-827-0 5789

4/9/82

created: 12/11/01
revised: 4/9/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D1195

Meeting Date: 4/08/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
	SA	Akolkar	Shri	313-69-41808	Six Sigma Black Belt	Ford	POEE	akolkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	albrecht@ford.com
		Allee	Sheran	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVT6	alleee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F160 Supv./Leader	Ford	POEE	karnold@ford.com
		Aulier	Jim	313-32-39763	Chief Engineer	Ford	POEE	jaulier@ford.com
	MA	Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansak	Catherine	313-32-35101	FMEI CPMT Eng./WEPs concerns	Ford	POEE	cbansak2@ford.com
		Bersuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	bersuder@ford.com
		Bisel	Gary	313-24-86280	ECl Supervisor	Ford	TWCTDR	gbisel@ford.com
		Bronni	Blak	313-24-84808	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	AD	Dance	Adam	313-32-28898	Master Black Belt	Ford	POEE	adance@ford.com
		Davies	Stacy	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglase	Jim	313-33-72665	Vehicle Environmental Engineering	Ford	FPB4	jdouglase@ford.com
		Freeland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreeland@ford.com
		Galante	Chris	313-84-59087	4.6L OPD	Ford	POEE	agalante@ford.com
		Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgordano@ford.com
		Hargus	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhargus@ford.com
		Jahshan	John	734-888-2759	PCSE Applications Engineer	Viateon	POEE	jahshan@viateon.com
	OS	Janda	Jim	313-24-82589	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	johanson@ford.com
		Kerezi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
		King	Lamar	313-59-41633	FMEI EQR Supervisor	Ford	POEE	lking1@ford.com
		Kozzawnik	John	313-32-28973	Chief Engineer	Ford	POEE	jkozawnik@ford.com

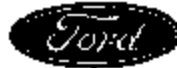
created: 12/11/01
revised: 4/9/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - DI196

Meeting Date: 4/09/02

Please:								
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CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Kunde	Olaf	313-20-86630	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-92-29682	Leader	Ford	FPB4	omasura@ford.com
		Maurer	Jim	313-39-03672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41091	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-9391	Recall Analyst	Ford	FCSD	dmuter@ford.com
		Nielsen	Chris	734-26-89886	Service Buyer	Ford	FCSD	cnelsen4@ford.com
		O'Neill	Jim	313-92-29839	FMEI Dept. Mgr.	Ford	POEE	lonnell@ford.com
		Oswalt	Greg	313-99-01180	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
		Panaretos	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyong	805-528-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascany	Ken	313-24-84889	PT Electronics Engineer	Ford	POEE	kpascany@ford.com
		Peery	Brian	313-99-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bpeery@ford.com
		Planta	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplanta@ford.com
		Popoff	Dan	313-24-86803	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Requepau	Al	313-24-84929	APTE PT GPS	Ford	APTE	arequepau1@ford.com
		Rossel	Robert	313-84-51498	Wiring GPS - EESE Leader	Ford	Bldg. #1	rrossel1@ford.com
		Schleding	Kurt	313-92-25449	Reliability Supervisor	Ford	POEE	kschled1@ford.com
		Shore	John	734-26-89788	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tomashiro	Terry	805-528-2000	Warranty Analyst	Kavlico	CA	ttomashiro@kavlico.com
		Trujillo	Tom	313-92-36285	OGC Lawyer	Ford	PDC	ttrujil2@ford.com
		Verner	Carol	313-99-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-99-04459	STA Site Manager	Ford	AVTS	pwhitejo@ford.com
		Williamson	Rick	313-24-86348	ECH Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com

E982-027-0 9711



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFBE Sensor

Meeting Logistics

Subject: Kavlico TM dPFBE Sensor Core Team
Dates: April 9, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMBH War Room)
Called By: Jim Maurer, Team Leader; (313) 39-03672
Next Meeting (s): April 11, 2002, Core Team Meeting
 April 16, 2002

Conference Call-In Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Pasacode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>Y-Engine</u>	<u>Quality Office</u>	<u>EESE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akizas	Jim O'Neal	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-
		Paul Plante		<u>PCSE</u>	Johanson
<u>Team Leader</u>		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 4/9/02

<u>Order of Agenda Items</u>	<u>Curr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Service Part Volume Projections - Kit vs. One part	116, A2	John Shore	10 minutes
3. Update on Wiring Harness Root Causes / findings	various	Sheran Alles, Robert Rossi	15 minutes
4. STA Update	120	Patrice White-Johnson	10 minutes
5. Update on PRL Scientific Evaluation - progress to date	13, A2	Mark Freeland	10 minutes
6. GQRS Data on 21 platforms - Status	13, A9	Jon Janda, Mahmoud Awad	10 minutes
7. Outside Lab - Non disclosure agreement, work plan, objectives	15, A5	Kyog Park Freeman Gates	10 minutes
8. Update on Body and Assembly plant failures	13, A3	Terry Tamashiro	10 minutes
9. Walk-ins		All	10 minutes
10. Next Meeting Agenda Items		All	10 minutes

<u>Proposed Next Meeting Agenda 4/11/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>
PCM solder crack issue (J1 connector) & current draw to stall the vehicle	John Jahan	10 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 4/8/02
 Kavlico dPFBE Sensor Core Team

8002-027-0 5712

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Friday, April 05, 2002 4:35 PM
To: Aklna, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Dan; Bandoeka, Pete (P.F.); Bansak, Catherine (C.K.); Barsudter, Lee (L.C.); Bissl, Gerry (G.); Bronni, Mark (M.J.); Bugaj, Barry; Dahes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hansas, Jon (.); Jahehan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerazi, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); O'wath, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raquepau, Aklen (A.P.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smytha, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.)
Subject: Preliminary Agenda for 4/9 Kavlico dPFE Sensor Core Team

Attached please find the preliminary agenda for the Kavlico dPFE Sensor Core team. The issues associated with this meeting will be published on Monday, April 8. Please note that if you are a presenter on this agenda, you must attend the meeting, or plan on teleconferencing in.

If you have any questions, please contact me, Jim Maurer, or Paul Plante.


Kavlico Solutions
agenda_040902.....

Chris Panaretos
Account Manager, Project Solutions at Ford Powertrain
POEE Building, Cuba CG-071
(319) 24-89337; Fax (319) 82-29265
cpanaret@ford.com

Panaretos, Chrietine (C.M.)

Subject: Electrical Wiring Testing for Kavlico dPFE Sensor
Location: POEE FAO video POECB072

Start: Mon 4/8/02 2:00 PM
End: Mon 4/8/02 3:30 PM

Recurrence: (none)

Meeting Status: Meeting organizer

Required Attendees: Panaretos, Chrietine (C.M.); POEE FAO video POECB072; Hermann, Thomas (T.J.); Alles, Sheran (S.A.); Rossi, Roberto (R.A.); Frestand, Mark (M.); Maurer, James (J.B.); Plants, Paul (P.G.); Galea, Freeman (F.C.); 'dayers@kavlico.com'; 'bdavies@kavlico.com'; 'kpark@kavlico.com'; O'Neill, Jim (J.D.)

Resources: POEE FAO video POECB072

This is a separate meeting to discuss Electrical Wiring Testing for the dPFE sensor. This will be a teleconference with Kavlico. You may use the same connection number used for the team meetings.

If you have any questions, please contact me.

Chris Panaretos
(313) 24-89337
cpanaret@ford.com

EM02-027-D 5715

whelan

created: 12/11/01
revised: 4/4/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
FMEI - D1198

Meeting Date: 4/04/02



Please:								
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* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*		Aldna	Mary	313-24-81889	On-Site Rep.	Kavlico	POEE	maidna@ford.com
		Alkolar	Elyse	313-59-41905	6-Sigma Black Belt	Ford	POEE	ealkolar@ford.com
		Albrecht	Gurthar	313-32-23183	Service Engineer	Ford	POEE	galbrech@ford.com
*		Alles	Sharan	313-59-40683	EESE - AVT Wiring Specialist	Ford	AVTB	salles@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	kenarnold@ford.com
		Auller	Jim	313-32-38783	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
*		Ayers	Don	805-623-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansack	Catherina	313-32-38101	FMEI CPMT Eng./AWEs concerns	Ford	POEE	cbansack2@ford.com
		Bansuder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lbansude@ford.com
		Blaal	Gary	313-24-88280	ECI Supervisor	Ford	TWCTDR	gblaal@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	AD	Dance	Adam	313-32-28888	Master Black Belt	Ford	POEE	adance@ford.com
		Davies	Bradly	805-623-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-56003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	kdouglass@ford.com
*		Freeland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Crista	313-84-89067	4.8L OPD	Ford	POEE	cgalante@ford.com
*	JK	Gates	Freeman	313-32-24807	FMEI Tech Spec/Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20826	C&P Supervisor	Ford	VPC	mgiorda1@ford.com
	JH	Hengge	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhengge@ford.com
		Jahshan	John	734-898-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
	JTS	Janda	Jon	313-24-82889	6-Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Jim	313-84-58282	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Korazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkorazi@ford.com
		Kozewnik	John	313-32-28873	Chief Engineer	Ford	POEE	jkozewn@ford.com
		Kunde	Chris	313-20-85830	PT Focus Program Mgr.	Ford	VPC	ckunde1@ford.com

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Thursday, April 04, 2002 10:43 AM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auiler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Badoska, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Bissel, Gerry (G.); Bronni, Mark (M.J.); Danes, Adam (A.V.); Davies, Brady, Deeb, Joe (J.S.); Douglass, Jim (J.B.); Froeland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hanges, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olf (O.); Maseura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswalt, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raquesau, Alden (A.P.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Varner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.)
Subject: Kavlico dPFE Sensor Issues and Agenda for Today's (4/4/02) meeting

Attached please find the latest updates to the open/closed issues for the Kavlico dPFE Sensor, and the agenda for today. If you have any questions, or need clarification, please contact me.

If you are a presenter on the agenda, please be prepared with handouts and send me a copy of your data no later than noon today.

 
Kavline Meeting Kavline140_Tommas_04
Agenda_040402... 0202.PDF

Chris Panaretos
Account Manager, Project Solutions at Ford Powertrain
POEE Building, Cube CG-071
(313) 24-8887; Fax: (313) 32-29265
opanaret@ford.com



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPPE Sensor

Meeting Logistics

Subject: Kavlico TM dPPE Sensor Core Team
Date: April 4, 2002
Time: 1-2:30 p.m.
Location: POEB, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): April 9, 2002, Core Team Meeting
 April 11, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	V-Engine	Quality Office	EBSE	Purchasing
Mark Freeland	Mary Aldis	Jim O'Neall	Mahmoud Awad	Sheran Allec	Chris Nielson
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-Johnson
		Paul Plante		PCSE	
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 4/4/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. VOQ data update & EPRC paper		Paul Plante	10 minutes
3. Results of Analysis of outstanding Plant returns	I3, A3	Terry Tamashiro	10 minutes
4. Update on Wiring Harness Root Causes / findings	various	Sheran Allec, Robert Rossi	15 minutes
5. Investigation of Stalls - Status	I3, A9	Jon Janda, Mahmoud Awad	15 minutes
6. Outside Lab - Non disclosure agreement, work plan, objectives	I5, A5	Kyong Park Freeman Gates	10 minutes
7. Results of "in process testing" of current production vs. warranty UPAD parts.	I5, A6	Kyong Park	15 minutes
8. One pager on MRB wafer usage for production		Freeman Gates	10 minutes
9. Walk-ins		All	10 minutes
10. Next Meeting Agenda Items		All	10 minutes

<u>Proposed Next Meeting Agenda 4/09/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>
Service part volume projections	John Shore	10
PCM solder crack issue & current draw to stall the vehicle	John Joshua	10

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 4/4/02
 Kavlico dPPE Sensor Core Team

E062-027-0 5719

ENR2-027-D 5729

3/1/82

created: 12/11/01
 revised: 3/28/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1199

Meeting Date: 3/28/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akna	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makna@ford.com
		Akolkar	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	gakolkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
		Alias	Sheran	313-59-40553	EESE - AVT Wiring Specialist	Ford	AVT6	esalias@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auffer	Jim	313-32-38763	Chief Engineer	Ford	POEE	jauffer@ford.com
*		Awad	Mahmoud	313-24-83969	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banaek	Catherine	313-32-38101	FMEI CPMT Eng./WEPA concerns	Ford	POEE	cbanaek2@ford.com
		Bersuder	Lee	313-84-60881	PQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Bleal	Gary	313-24-86280	ECI Supervisor	Ford	TWCTDR	gbleal@ford.com
		Bronni	Mark	313-24-84306	On-Site Rep.	Mobrola	POEE	mbronni@ford.com
	Am	Dames	Adam	313-32-26998	Master Black Belt	Ford	POEE	adames@ford.com
		Davies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-85003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglase	Jim	313-33-72655	Vehicle Environmental Engineering	Ford	FPB4	jdouglase@ford.com
*		Fresland	Mark	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfresla1@ford.com
		Galante	Chris	313-84-69087	4.0L OPD	Ford	POEE	cgalante@ford.com
*	JK	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	kgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Hangas	Jon	313-23-31058	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangas@ford.com
	JH	Jahshan	John	734-666-2768	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
	JL	Janda	Jon	313-24-82585	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-68292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Karazi	Karan	313-20-63367	FMEI AWS Analyst	Ford	POEE	kkarazi@ford.com
		Kozzownik	John	313-32-28973	Chief Engineer	Ford	POEE	kozownik@ford.com
		Kunde	Olaf	313-20-85990	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com

ENG2-827-D 5721

created: 12/11/01
 revised: 3/28/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1196

Meeting Date: 3/28/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Masuna	Gordon	313-32-28662	Leader	Ford	FPB4	amasuna@ford.com
*	JM	Maurer	Jim	313-39-09872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-248-8391	Recall Analyst	Ford	FCSD	dmuter@ford.com
*		Nielson	Chris	734-26-68886	Service Buyer	Ford	FCSD	cnielson4@ford.com
*		O'Neill	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com
		Oswalk	Greg	313-39-01190	Critical Con. Mgr.	Ford	FCSD	goswalk@ford.com
*	OP	Panaratos	Chris	313-24-88337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaratos@ford.com
		Park	Kyong	805-823-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84899	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
*		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escapes S	Ford	POEE	bperry@ford.com
*	MP	Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88803	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84328	APTE PT CPS	Ford	APTE	araqepau1@ford.com
*	RAR	Rosal	Robert	313-84-51436	Wiring CPS - EESE Leader	Ford	Bldg. #1	rrosal1@ford.com
		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschledi@ford.com
*		Shore	John	734-26-09789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamashiro	Terry	805-823-2000	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com
		Trujillo	Tom	313-32-36285	OGC Lawyer	Ford	PDC	ttrujil2@ford.com
		Vemer	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cvemer@ford.com
*		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitejo@ford.com
		Williamson	Rick	313-24-88348	ECI Prod.Con.Anal.	Ford	FCSD	rw110@ford.com


ENG2-027-D 5722

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Thursday, March 28, 2002 10:11 AM
To: Akina, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auller, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoaks, Pete (P.F.); Barsak, Catherine (C.K.); Bersuder, Lee (L.C.); Bissi, Gerry (G.); Bronni, Mark (M.J.); Danae, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Frestland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hargas, Jon (J.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Koszewnik, John (J.J.); Kunda, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Oswald, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raquetpau, Aiden (A.P.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smytha, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-johnson, Patricia (P.); Williamson, Richard (E.)
Subject: 3/28 Kavlico dPFE Sensor Core Team Meeting Agenda

Attached please find the meeting agenda for today's Kavlico dPFE Sensor Core team meeting. We will not be having a meeting on Tuesday, April 2. Core team members and person(s) on the agenda are required to attend, or if you have a "need to know". I will be distributing a copy of the open issues at the meeting.

If you have any questions, please contact me.


Kavlico Meeting
Agenda_032802....

Chris Panaretos
Account Manager, Project Solutions at Ford Powertrain
POEE Building, Cube CG-071
(313) 24-88337; Fax: (313) 32-29265
cpanaret@ford.com



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: March 28, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMBI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): April 4, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	V-Engine	Quality Office	ESSE	Purchasing
Mark Freeland	Mary Aldas	Jim O'Neal	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Aysas	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-Johnson
		Paul Plante		PCSE	
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 3/28/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Results / Comments from Technical Review	11, A4	Paul Plante	10 minutes
3. Discussion w/Kavlico of Outside Sources to use for analysis	15, A5	Jim Maurer	10 minutes
4. Discussion of PCM II Connector warranty issues	13, A5	John Jahshan	10 minutes
5. Update on obtaining Fleet Vehicles	16, A4	Carol Verner	10 minutes
6. Review of High-Priority open issues	Various	All	25 minutes
7. Walk-in's		All	15 minutes
8. Next Agenda Items / Discussion		All	10 minutes

<u>Proposed Next Meeting Agenda 4/4/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 3/28/02
 Kavlico dPFE Sensor Core Team

ERR2-027-D 9729

2/26/02

created: 12/11/01
 revised: 3/28/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1186

Meeting Date: 3/28/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Watch any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIALS	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Aldna	Mary	313-24-51988	On-Site Rep.	Kavlico	POEE	maldna@ford.com
	SA	Alkolkar	Shri	313-59-41908	Six Sigma Black Belt	Ford	POEE	saokolkar@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	calbrech@ford.com
*		Allen	Sharan	313-59-40553	EEBE - AVT Wiring Specialist	Ford	AVTS	shallen@ford.com
		Arnold	Ken	313-24-54176	PT Elec Appl - 4.8 F160 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-32-38753	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-82889	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansek	Catherine	313-32-38101	FMEI CPMT Eng./VEPs concerns	Ford	POEE	cbansek2@ford.com
		Bersuder	Lee	313-84-60881	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Bisul	Gerty	313-24-86280	ECI Supervisor	Ford	TWCTDR	gbisul@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
		Davies	Adam	313-32-29598	Master Black Belt	Ford	POEE	adavies@ford.com
		Davies	Brian	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-56003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72655	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
*	MA	Fraeland	Mark	313-59-47645	6-Sigma Black Belt	Ford	FRL	mraeland1@ford.com
		Gahrte	Chris	313-84-59057	4.6L OPD	Ford	POEE	cgahrte@ford.com
*	SA	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgiordano1@ford.com
		Hargus	Jon	313-33-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	jhargus@ford.com
	MA	Jahahan	John	734-686-2759	PGSE Applications Engineer	Visteon	POEE	jahahan@visteon.com
		Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	johson@ford.com
		Karazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkarazi@ford.com
		Kozzownik	John	313-32-29973	Chief Engineer	Ford	POEE	kozown@ford.com
		Kunde	Olaf	313-20-85890	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com

EM02-0271-0 5/26

created: 12/11/01
 revised: 3/26/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D198

Meeting Date: 3/26/02

Please:

- Initial or check the box to the left of your name to indicate your attendance.
- Make any corrections to the detail associated with your name.
- If your name is not on this list, please write it in at the bottom including the appropriate detail.

* Denotes Core Team Member

CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Masura	Gordon	313-32-28682	Leader	Ford	FPB4	gmasura@ford.com
	JM	Maurer	Jim	313-39-03872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarthy	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-245-8381	Recall Analyst	Ford	FCSD	dmuter@ford.com
	*	Nelson	Chris	734-26-89888	Service Buyer	Ford	FCSD	crnelson4@ford.com
	JRO	O'Neill	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com
		Oswalt	Greg	313-39-01160	Critical Con. Mgr.	Ford	FCSD	groswalt@ford.com
	CP	Parasoloe	Chris	313-24-89997	Proj. Mgt. Analyst	Project Solutions	POEE	cparasoloe@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascany	Ken	313-24-84669	PT Electronics Engineer	Ford	POEE	kpascany@ford.com
	BP	Perry	Brian	313-39-04170	PT Elec Appl R&D, Zetec Focus/Escort S	Ford	POEE	bperry@ford.com
	*	Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-89603	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Reguepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	areguepau1@ford.com
	*	Rossi	Robert	313-84-51436	Wiring CPS - E&E Leader	Ford	Bldg. #1	rrossi1@ford.com
		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschledi@ford.com
	*	Shore	John	734-26-69789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
		Tamaehiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttamaehiro@kavlico.com
		Trujillo	Tom	313-32-36265	OGC Lawyer	Ford	PDC	ttrujil2@ford.com
	MS	Yemer	Carol	313-89-07180	FMEI Engineer	Ford	POEE	cyemer@ford.com
		White-Johnson	Patrice	313-89-04409	STA Site Manager	Ford	AVTS	pwhitejo@ford.com
		Williamson	Pick	313-24-86348	ECl Prod. Con. Anal.	Ford	FCSD	rwil110@ford.com

EM62-027-D 5727

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Tuesday, March 26, 2002 11:52 AM
To: Aldra, Mary (M.); Allee, Sheran (S.A.); Awad, Mahmoud (M.I.); Ayers, Don; Freeland, Mark (M.); Gates, Freeman (F.C.); Maurer, James (J.B.); McCarty, Bill (W.D.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Panaretos, Christine (C.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Rossi, Roberto (R.A.); Shore, John (J.); Smythe, Joseph (J.M.)
Subject: Agenda for Today's Kavlico dPFE Core Team
Importance: High

Sorry for the late notice....attached is the agenda for today's meeting. I will bring a copy of the issues deck for review at the meeting. Kavlico - if you need a copy, please let Mary know and we will fax to you.



Kavlico Meeting
Agenda_032602....

Chris Panaretos

Account Manager, Project Solutions at Ford Powertrain
POEE Building, Cube CG-071
(313) 24-89337; Fax: (313) 32-29285
cpanaret@ford.com



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: March 26, 2002
Time: 1-2:30 p.m.
Location: POBB, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): March 28, 2002, Core Team Meeting
 April 2, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	V-Engine	Quality Office	EHSE	Purchasing
Mark Fraeland	Mary Atkins	Jim O'Neill	Mahmoud Awad	Shereen Allen	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-Johnson
		Paul Plante		PCSE	
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 3/26/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Results / Comments from Technical Review	11, A4	Jim Maurer, Paul Plante	10 minutes
3. Discussion of Outside Sources to use for analysis	15, A5	Jim Maurer	10 minutes
4. Update from EHSE on testing / establish date when findings available.	Various	R. Rossi, S. Allen	20 minutes
5. Review of High-Priority open issues	Various	All	15 minutes
6. Walk-in's		All	15 minutes
7. Next Agenda Items / Discussion		All	10 minutes

<u>Proposed Next Meeting Agenda 3/28/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 3/26/02
 Kavlico dPFE Sensor Core Team

EM82-827-D 5738

2/1/62

created: 12/11/01
 revised: 3/21/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D166

Meeting Date: 3/21/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
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* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
	MA	Aldna	Mary	313-24-81888	On-Site Rep.	Kavlico	POEE	maaldna@ford.com
	DA	Alolker	Shr	313-59-41908	Six Sigma Black Belt	Ford	POEE	aalolker@ford.com
		Albrecht	Gunther	313-32-23153	Service Engineer	Ford	POEE	galbrech@ford.com
	SA	Allee	Sheran	313-59-40653	EESE - AVT Wiring Specialist	Ford	AVTS	sallee@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-32-88783	Chief Engineer	Ford	POEE	jauller@ford.com
	MA	Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad1@ford.com
		Ayasa	Don	805-823-2000	Program Manager/Technical Leader	Kavlico	CA	davasa@kavlico.com
		Bansak	Catherine	313-32-98101	FMEI CPMT Eng./MERA concerns	Ford	POEE	cbansak2@ford.com
		Berauder	Lee	313-84-50881	FQE Supervisor	Ford	TWCTDR	lberaud@ford.com
		Blaiz	Garry	313-24-88280	ECI Supervisor	Ford	TWCTDR	gblaiz@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	AD	Danes	Adam	313-32-26888	Master Black Belt	Ford	POEE	adanes@ford.com
		Devies	Brady	805-823-2000	Director MEMS Technology	Kavlico	CA	brdevies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72888	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
		Freeland	Merk	313-59-47845	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galarita	Chris	313-84-58067	4.6L OPD	Ford	POEE	cgalarita@ford.com
	✓	Gates	Frasman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgordano1@ford.com
		Hargas	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhargas@ford.com
		Jahshan	Jo n	734-888-2758	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
	SA	Janda	Jon	313-24-82588	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kepp	Don	313-33-78584	AVT Chief Engineer	Ford	POEE	dkepp1@ford.com
		Kerazi	Kareh	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		Koszewnik	John	313-32-28973	Chief Engineer	Ford	POEE	lkoszewn@ford.com
		Kunde	Claf	313-20-85830	PT Focus Program Mgr.	Ford	VBB	ckunde1@ford.com

created: 1/11/01
 revised: 3/21/02

2000-2002 Kavlico™ dPFE Sensor
 Core Team Meeting
 FMEI - D1198

Meeting Date: 3/21/02

Please:

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* Denotes Core Team Member

CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
	MA	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
	SA	Alkofar	Ghr.	313-58-41908	Six Sigma Black Belt	Ford	POEE	alkofar@ford.com
		Albracht	Gunther	313-32-23163	Service Engineer	Ford	POEE	albracht@ford.com
		Alles	Sheran	313-58-40553	EESE - AVT Wiring Specialist	Ford	AVT5	alles@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appt - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
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		Awad	Mahmoud	313-24-83889	Reliability Engineer/ Field Data Leader	Ford	POEE	mawad@ford.com
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		Bansack	Catherine	313-32-38101	FMEI CPMT Eng./WERS concerns	Ford	POEE	cbansack2@ford.com
		Bersuder	Les	313-84-50881	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Bleel	Garry	313-24-86280	ECI Supervisor	Ford	TWCTDR	gbleel@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
	AD	Danes	Adam	313-32-26898	Murder Black Belt	Ford	POEE	adanes@ford.com
		Davies	Brady	805-823-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58003	PT Elec Appt 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Doughess	Jim	313-33-72856	Vehicle Environmental Engineering	Ford	FP84	jdoughes@ford.com
		Freeland	Merk	313-58-47845	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-84-58067	4.0L OPD	Ford	POEE	cgalante@ford.com
		Gates	Freeman	313-32-24807	FMEI Tech Spac./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Milica	313-32-20925	C&P Supervisor	Ford	VFC	mgiordano1@ford.com
		Hargas	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	lhargas@ford.com
		Jahahan	Joseph	734-886-2769	PCBE Applications Engineer	Visteon	POEE	jahahan@visteon.com
		Janda	Jon	313-24-82589	Six Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-58292	FMEI Section Supv.	Ford	POEE	johanson@ford.com
		Kapp	Dan	313-33-78554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Karazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkarazi@ford.com
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created: 12/11/01
 revised: 3/21/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1198

Meeting Date: 8/21/02

Please:								
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CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
		Masurs	Gordon	313-82-2982	Leader	Ford	PPB4	gmasurs@ford.com
		Maurer	Jim	313-39-0872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarthy	Bill	313-59-41091	Production Buyer	Ford	Purchasing	wmccart1@ford.com
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*		Nilsen	Chris	734-26-8986	Service Buyer	Ford	FCSD	cnilsen4@ford.com
*		O'Neill	Jim	313-32-26836	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
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*		Panaretos	Chris	313-24-89937	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
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		Parsany	Ken	313-24-84889	PT Electronics Engineer	Ford	POEE	kparsany@ford.com
*		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escort	Ford	POEE	bperry@ford.com
*		Plante	Paul	313-84-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-88903	G&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Ragupau	Al	313-24-84329	APTE PT OPS	Ford	APTE	aragupau1@ford.com
*		Ross	Robert	313-84-51436	Wiring OPS - EESE Leader	Ford	Bldg. #1	rross1@ford.com
		Schleding	Kurt	313-32-25446	Reliability Supervisor	Ford	POEE	kschled1@ford.com
*		Shore	John	734-26-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
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		Tamaahiro	Terry	805-523-2000	Warranty Analysis	Kavlico	CA	ttamaahiro@kavlico.com
		Truffo	Tom	313-39-38285	DGC Lawyer	Ford	PDC	ttruffo@ford.com
		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-59-04408	STA Site Manager	Ford	AVTS	pwhitejo@ford.com
		Williamson	Rick	313-24-86948	ECI Prod.Con.Anal.	Ford	FCSD	rw1110@ford.com
							FC	
							FC:	
							FC:	

EP82-027-D 5733



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: March 21, 2002
Time: 1-2:30 p.m.
Location: POBE, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): March 25, 2002, Technical Review (CCRG)
 March 26, 2002, Core Team Meeting
 March 28, 2002, Core Team Meeting
Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belt	Kavlico	V-Engine	Quality Office	EESE	Purchasing
Mark Freeland	Mary Akins	Jim O'Neill	Mahmoud Awad	Sheran Alles	Joe Smytho
Shri Akolkar	Don Ayers	Froesman Gates		Robert Rossi	Chris Nielsen
Jon Janda		Chris Panaratos			
		Paul Plante		PCSE	
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Peary	

Meeting Agenda - 3/21/02

Order of Agenda Items	Corr. ID #	Person(s) Responsible	Time Allotted
1. Introductions		All	5 minutes
2. Update from FCSD (Julie Marcer)	1, c	Carol Verner	10 minutes
3. Supporting Documents to Explain Root Cause (P-Diag, Is/Is Not, Cause/Effort)	2, a	Jon Janda, Shri Akolkar	10 minutes
4. Transient Voltage Test Results	3, a	Mark Freeland	20 minutes
5. AWS Results / Additional Graphs	3, d	Mahmoud Awad	10 minutes
6. SRBA number and date from Kavlico	4, a	Mary Akins	5 minutes
7. Body Electric Actions - Findings to Date	4, a	Robert Rossi	15 minutes
8. Acid Test Results: Overview document in pareto or spreadsheet format	5, ii	Kyong Park Terry Tamashiro	15 minutes
9. Comment from Kavlico on capacity issue	10	Barry Bugaj	10 minutes
10. New Financial Figures based on Carol's findings	12	Jim Maurer	5 minutes
11. Finalize presentation to Technical Review		All	15 minutes

Proposed Next Meeting Agenda 3/26/02	Person(s) Responsible	Time Estimated

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANABET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cpx 3/20/02
 Kavlico dPFE Sensor Core Team

ERR2-027-D 0735

3/17/04

break: 12/11/01
revised: 3/18/02

2000-2002 Kavlico TM dPPE Sensor
Core Team Meeting
FMEI - D106

Meeting Date: 3/18/02

Please:								
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CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Aldra	Mary	313-24-81988	On-Site Rep.	Kavlico	POEE	msaldra@ford.com
	SA	Alokhar	Shri	313-88-41808	6th Sigma Black Belt	Ford	POEE	salokhar@ford.com
		Albrecht	Genther	313-32-23153	Service Engineer	Ford	POEE	calbrech@ford.com
		Alles	Sheran	313-58-40563	EESE - AVT Wiring Specialist	Ford	AVTs	aalles@ford.com
		Arnold	Ken	313-84-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-32-38783	Chief Engineer	Ford	POEE	jauller@ford.com
		Awad	Mahmoud	313-24-83888	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banask	Catherine	313-32-88101	FMEI CPMT Eng./WEFs concerns	Ford	POEE	cbanask2@ford.com
		Bersuder	Lee	313-84-80881	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Blesi	Gerry	313-24-88280	ECI Supervisor	Ford	TWCTDR	gblest@ford.com
	BD	Bronf	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronf@ford.com
		Danes	Adam	313-32-28808	Master Black Belt	Ford	POEE	adanes@ford.com
		Davies	Bruce	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-88003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
		Freeland	Mark	313-88-47645	6-Sigma Black Belt	Ford	FRL	mfreelan@ford.com
		Galante	Chris	313-84-89087	4.6L OPD	Ford	POEE	cgalante@ford.com
		Galos	Fredman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgalos@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgordan@ford.com
	HD	Hungas	Jon	313-23-31088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhungas@ford.com
		Jahshan	John	734-888-2750	POSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Janda	Jon	313-24-82888	6th Sigma Black Belt	Ford	POEE	janda@ford.com
		Johnson	Joe	313-84-88292	FMEI Section Supv.	Ford	POEE	johanson@ford.com
		Kapp	Dan	313-33-78554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerazi	Karen	313-23-83387	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		Kaszewnik	John	313-32-28873	Chief Engineer	Ford	POEE	jkaszew@ford.com
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EM82-827-D 5736

created: 12/11/01
 revised: 3/18/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 FMEI - D1198

Meeting Date: 3/19/02

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CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*		Masura	Gordon	313-32-29662	Leader	Ford	FPB4	gmasura@ford.com
*		Maurer	Jim	313-39-03872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarthy	Bill	313-69-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Minter	Doreen	313-248-9391	Recall Analyst	Ford	FCSD	dminter@ford.com
*		Nelson	Chris	734-25-68865	Service Buyer	Ford	FCSD	cnl@ee4@ford.com
*		O'Neen	Jim	313-32-26639	FMEI Dept. Mgr.	Ford	POEE	joneen@ford.com
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		Panasatos	Chris	313-24-89387	Proj. Mgt. Analyst	Project Solutions	POEE	cpanasat@ford.com
		Park	Kyong	805-528-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Paecary	Ken	313-24-84668	PT Electronics Engineer	Ford	POEE	kpaecary@ford.com
		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
		Piante	Paul	313-84-54188	Campaign Manager	Ford	POEE	ppiante@ford.com
		Popoff	Dan	313-24-86803	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84326	APTE PT OPS	Ford	APTE	araqepa1@ford.com
*		Rosel	Robert	313-84-51438	Writing CPS - EESE Leader	Ford	Bldg. #1	rrosel1@ford.com
		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kbschled@ford.com
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*		Smythe	Joe	313-62-12995	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tamaahiro	Terry	805-528-2000	Warranty Analyst	Kavlico	CA	ttamaahiro@kavlico.com
		Trufflo	Toni	313-32-88285	OGC Lawyer	Ford	PDC	truffl2@ford.com
		Vamer	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cvamer@ford.com
		White-Johnson	Patrice	313-39-04408	STA Site Manager	Ford	AVTS	pwjohn@ford.com
		Willerston	Rick	313-24-88348	ECI Prod. Con. Anal.	Ford	FCSD	rwil110@ford.com

ERR2-827-0 5737

8902-827-0 5738

SHYMA
COURT

created: 12/11/01
 revised: 3/18/02

2000-2002 Kavlico TM dPFE Sensor
 Technical Office

Meeting Date: 3/14/02

Please:								
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		Albrecht	Gunther	313-92-23163	Service Engineer	Ford	POEE	galbrech@ford.com
*		Allee	Shenan	313-99-40553	EESE - AVT Wiring Specialist	Ford	AVT6	salea@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-92-88789	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-83889	Reliability Engineer/Field Data Leader	Ford	POEE	mawad@ford.com
*		Ayers	Don	806-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banasik	Catherine	313-92-38101	FMEI CFMT Eng./WERTs concerns	Ford	POEE	cbanasik2@ford.com
		Bersuder	Lee	313-94-60881	POE Supervisor	Ford	TWCTDR	lbersude@ford.com
		Bissl	Gerry	313-24-86290	ECI Supervisor	Ford	TWCTDR	gbissl@ford.com
		Bronri	Mark	313-24-64808	On-Site Rep.	Motorola	POEE	mbronri@ford.com
*		Danes	Adam	313-92-28898	Master Black Belt	Ford	POEE	adanes@ford.com
	ED	Devise	Brady	806-523-2000	Director MEMS Technology	Kavlico	CA	bdevise@kavlico.com
		Deeb	Joe	313-94-56008	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglas	Jim	313-93-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglas@ford.com
*		Freeland	Mark	313-99-47848	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com
		Galante	Chris	313-94-69087	4.6L OPD	Ford	POEE	cgalante@ford.com
*	JK	Gates	Fragman	313-92-84807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-92-20825	C&P Supervisor	Ford	VPC	mgiordano1@ford.com
		Hargree	Jon	313-23-31098	FRL Scan Elec Microscope-Expert	Ford	FRL	jhargree@ford.com
		Jahshan	John	734-969-2759	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
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		Johnson	Joe	313-94-88292	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kapp	Den	313-93-78854	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerazi	Karen	313-20-89987	FMEI AWS Analyst	Ford	POEE	kkerazi@ford.com
		Kozewnik	John	313-92-28873	Chief Engineer	Ford	POEE	jkozewnik@ford.com
		Kunde	Chaf	313-20-85830	PT Focus Program Mgr.	Ford	VPO	ckunde1@ford.com

EM02-027-0 5738

created: 12/11/01
revised: 3/13/02

2000-2002 Kavlico TM dPPE Sensor
Technical Office

Meeting Date: 3/14/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	NAME	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*		Mesura	Gordon	313-32-29662	Leader	Ford	FPB4	gmesura@ford.com
		Maurer	Jim	313-39-03672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com
		Muter	Doreen	313-246-3391	Recall Analyst	Ford	FCSD	dmuter@ford.com
*		Nelson	Chris	734-25-39888	Service Buyer	Ford	FCSD	cnelson4@ford.com
*		O'Neil	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneil@ford.com
		Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	gosealt@ford.com
*		Paraske	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cparaske@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascany	Ken	313-24-84689	PT Electronics Engineer	Ford	POEE	kpascany@ford.com
*		Parry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escapes 8	Ford	POEE	bparry@ford.com
*		Polenta	Paul	313-24-84136	Campaign Manager	Ford	POEE	ppolenta@ford.com
		Popoff	Dan	313-24-88903	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Requespu	Al	313-24-84329	APTE PT CPS	Ford	APTE	areques1@ford.com
*		Ross	Robert	313-24-81436	Wiring CPS - EESE Leader	Ford	Blg. #1	rross1@ford.com
*		Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschledi@ford.com
*		Shore	John	734-25-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
*		Smythe	Joe	313-32-12995	BTA Engineer (Leader)	Ford	FTE	jsmythe@ford.com
		Tamaehiro	Tairy	805-523-2000	Warranty Analyst	Kavlico	CA	ttamaehiro@kavlico.com
		Truffo	Tom	313-32-36265	OGC Lawyer	Ford	PDC	ttruffo@ford.com
*		Verner	Carol	313-39-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patricia	313-39-04409	BTA Site Manager	Ford	AVTS	pwhitejo@ford.com
		Williamson	Rick	313-24-88348	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com
		<i>S. L. Hill</i>	<i>L. A. Y</i>					

5302-027-D 0749

Kavlico TM dPFE Sensor
 Technical Offsite Meeting
 FTDC - Room
 March 14, 2002
 8:30-5:00

Agenda

Historical Summary of Corrosion Investigation	Freeman Gates	.5 hour - 9:00-9:30
Discussion of UPAD - Results from FRL	Mark Freeland	1 hour - 9:30-10:30 2
Break		15 minutes (or 1 hour)
Analysis from Kavlico Returns	Loay Saliaeh, Mahmoud Awad	.5 hour 1:10-
Discussion of Outside help and Management Support	Jim O'Neill	.5 hour - discuss during meeting
Break for Lunch - FTDC Cafeteria		1 hour - noon-1:00
Continuation of Mark Freeland Discussion Is/Is Not and Fishbone	Shri Akolkar, Jon Janda, Team	12:45 - 1:00 1.5 hours
Break		15 minutes
Cause/Effect Analysis	Team	2.5 hours
Final Summary		.5 hours
Discussion of remedy Plan / Mgmt. Review & Support		1-1:15

Panaretos, Christine (C.M.)

From: Froeland, Mark (M.)
Sent: Wednesday, March 13, 2002 4:14 PM
To: Panaretos, Christine (C.M.)
Subject: RE: Revised Agenda for 3/14 Kavico Technical Offsite

Christine,

I will not be at the offsite until after 9:00 am.

Mark

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Wednesday, March 13, 2002 1:01 PM
To: Akina, Mary (M.); Akolkar, Shrikant (S.V.); Alles, Sheran (S.A.); Awad, Mahmoud (M.I.); Ayers, Don; Danas, Adam (A.V.); Fresland, Mark (M.); Gates, Freeman (F.C.); Jahshan, John; Janda, Jon (J.M.); Maurer, James (J.B.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Panaretos, Christine (C.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Rosal, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Verner, Carol (C.J.)
Subject: Revised Agenda for 3/14 Kavlico Technical Offsite

Attached please find the revised agenda for the offsite meeting tomorrow. As a reminder, this will be held at the Fairlane Training and Development Center, Room 145, South building. Lunch will no longer be provided, but the cafeteria will be open if you would like to purchase one. There will be an in-focus projector available for presentation purposes.

If you have any questions, please feel free to contact me. See you tomorrow at 8:30!



Revision 03/13/02
Offsite Agn...

Chris Panaretos

Project Manager, Project Solutions, LLC.

Ford POEE, Components "B"

(313) 24-89397

cc (313) 32-29266

Panaretos, Christine (C.M.)

Subject: Updated; Kavlico D.P.F.E. Sensor Technical Offsite #2
Location: FTDC ROOM 145 SOUTH

Start: Thu 3/14/02 8:30 AM
End: Thu 3/14/02 5:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: 'kpark@kavlico.com'; 'bdavies@kavlico.com'; 'dayers@kavlico.com'; Akins, Mary (M.); Alokkar, Shrikant (S.V.); Altes, Sheran (S.A.); Awad, Mahmoud (M.I.); Danes, Adam (A.V.); Freeland, Mark (M.); Gates, Freeman (F.C.); 'jahshan@vistar.com'; Janda, Jon (J.M.); Maurer, James (J.B.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Panaretos, Christine (C.M.); Perry, Brian (B.J.); Plants, Paul (P.G.); Rosal, Roberto (R.A.); Schieding, Kurt (K.J.); Shora, John (J.); Smythe, Joseph (J.M.); Vamer, Carol (C.J.); Akins, Mary (M.)

 
Kavlico DPF Sensor Technical Offsite #2
Offsite Agn...

Attached is the agenda and presentation for 3/14/02 offsite.
If you have any changes, or know of additional presentations or people that should attend please let me know
by noon on Wednesday.
Sorry for the short notice.

A cancellation notice was accidentally sent-

Panaretos, Christine (C.M.)

Subject: Kavibo D.P.F.E. Senior Technical Offsite #2
Location: FTDC ROOM 145 SOUTH

Start: Thu 3/14/02 8:30 AM
End: Thu 3/14/02 5:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Ailes, Sheran (S.A.); Awad, Mahmoud (M.I.); Ayers, Don; Danes, Adam (A.V.); Freeland, Mark (M.); Gates, Freeman (F.C.); Jahshan, John; Janda, Jon (J.M.); Maurer, James (J.B.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Panaretos, Christine (C.M.); Perry, Brian (B.J.); Piarra, Paul (P.G.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Verner, Carol (C.J.)


Kaviboo DPE Tech
Offsite Agm...


Kaviboo 9-21ag3-11.ppt

Attached is the agenda and presentation for 3/14/02 offsite.
if you have any changes, or know of additional presentations or people that should attend please let me know by noon on Wednesday.
Sorry for the short notice.

Panaretos, Christine (C.M.)

From: Akoikar, Shrikant (S.V.)
Sent: Friday, March 08, 2002 6:29 PM
To: Panaretos, Christine (C.M.)
Co: Janda, Jon (J.M.); Maurer, James (J.B.); Pandolfi, Pete (P.G.)
Subject: 3/14 Off site

Chris,

I think you are aware of the following items but I am sending them to you to include in your meeting notice.

1. The success of the offsite depends on attendance of the experts. Jim O'Neal offered his & Dan Kapp's help to make sure that the required experts or their rep attend the meeting. I think you should use it.
2. When you send the attachments or put them on web site (if all have access), pl. request every body to come prepared to complete the C & B & missing items from their area.

With Regards,

SHRIKANT AKOIKAR
sakolkar@ford.com Ph:(313) 594-1908 Fax:(313) 390-1229
Ford Motor Co. POEE AQ077 P.O.Box 2053 MD#36
Dearborn MI 48124 U.S.A.

Panaretos, Christine (C.M.)

From: Janda, Jon (J.M.)
Sent: Friday, March 08, 2002 3:08 PM
To: Panaretos, Christine (C.M.)
Co: Maurer, James (J.B.); Akolkar, Shrikant (S.V.)
Subject: FW: 3/14 Files

Chris can you forward the attached file to the appropriate people for the 3/14 meeting.



encl:too 2-File.ppt

Thank You,
Jon Janda

V-Engine Engineering - Ford
2V - V8 Certified Black Belt
Ph: 313-24-82589 Pgr: 313-795-5869
E-mail: JJANDA@ford.com
Fax: 313-84-50613

-----Original Message-----

From: Akolkar, Shrikant (S.V.)
Sent: Friday, March 08, 2002 1:20 PM
To: Janda, Jon (J.M.)
Subject: 3/14 Files



0978-7a.XLS



0998-CHASL29X.XLS



2078-plateFile.MKV



0998-79x.ppt



Engine @call
Fishbone.MKV



0307.DOC
Fishbone.J20



Vehicle Fishbone.MKV

With Regards,

SHRikant Akolkar
sakolkar@ford.com Ph:(313) 594-1908 Fax: (313) 390-1229
Ford Motor Co. POE AQ077 P.O.Box 2053 MD#36
Dearborn MI 48124 U.S.A.

created: 12/11/01
 revised: 2/22/2002

15 people - get
 off two business hours for so

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 POEE - DI-198

Meeting Date: 2/12/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
✓		Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
		Albrecht	Gunther	313-32-23163	Service Engineer	Ford	POEE	galbrech@ford.com
✓		Alles	Bheran	313-59-40563	EESE - AVT Wiring Specialist	Ford	AVT6	alles@ford.com
		Arnold	Kon	313-24-84178	PT Elec Appl - 4.6 F160 Supv Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-32-39763	Chief Engineer	Ford	POEE	jauller@ford.com
✓		Amad	Mahmoud	313-24-89889	Reliability Engineer/ Field Data Leader	Ford	POEE	maamad@ford.com
		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	davyes@kavlico.com
		Banasik	Catherine	313-32-38101	FMEI CPMT Eng./WERA concerns	Ford	POEE	cbanasik2@ford.com
		Berauder	Lee	313-84-60881	FQE Supervisor	Ford	TWCTDR	lberauda@ford.com
		Bleel	Gerry	313-24-88280	ECI Supervisor	Ford	TWCTDR	gbleel@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
✓		Devies	Brady	805-523-2000	Director MEMS Technology	Kavlico	CA	bdevies@kavlico.com
		Deeb	Joe	313-84-68003	PT Elec Appl 3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72955	Vehicie Environmental Engineering	Ford	FPB4	jdouglass@ford.com
✓		Freeland	Mark	313-59-47545	6-Sigma Black Belt	Ford	FRL	mfreeland@ford.com
✓		Gatee	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgatee@ford.com
		Giordano	Mike	313-32-20925	C&P Supervisor	Ford	VFC	mgiordano@ford.com
		Hargas	Jon	313-23-81088	FRL Scan Elec Microscope-Expert	Ford	FRL	jhargas@ford.com
		Jahshan	John	794-686-2758	PCSE Applications Engineer	Visteon	POEE	jahshan@visteon.com
		Johnson	Joe	313-84-58282	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kapp	Dan	313-33-78554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Karezi	Karen	313-20-63387	FMEI AWS Analyst	Ford	POEE	kkarezi@ford.com
		Kozewnik	John	313-32-28972	Chief Engineer	Ford	POEE	jkozewnik@ford.com
		Kunde	Olef	313-20-85930	PT Focus Program Mgr.	Ford	VFC	okunde1@ford.com
		Maaura	Gordon	313-32-29882	Leader	Ford	FPB4	gmaaura@ford.com
✓		Maurer	Jim	313-33-63872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccart1@ford.com

Kavlico dPFE Attendees

Patricia Auld
 Don Henda
 Chris Kishler

EM2-827-D 5749

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Wednesday, March 06, 2002 4:20 PM
To: Maurer, James (J.B.)
Subject: Agenda for Kavloo Meeting 3/7

Importance: High

Jim,
Take a look at the attached and let me know if it's o.k. I based it on the open issues and comments from the last meeting.



Kavloo Meeting
Agenda_018702.....

Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-88337
Fax: (313) 32-29265

Panaretos, Christine (C.M.)

From: Akolkar, Shrikant (S.V.)
Sent: Wednesday, February 27, 2002 4:08 PM
To: Maurer, James (J.B.)
Cc: Janda, Jon (J.M.); Panaretos, Christine (C.M.); Pandolfi, Pete (P.G.)
Subject: RE: Presentation with P diagram

Jim,

Thanks, it's a useful info. Jon & myself are preparing a sketch/plan for fishbone, C&E, Is/Is not etc for 14th. I assume that Chris will take care of meeting notices, agenda, CR, equipment etc arrangements. We will sit down with you in 1st week of Mar when we have something prepared for discussion.

-----Original Message-----

From: Maurer, James (J.B.)
Sent: Wednesday, February 27, 2002 2:39 PM
To: Janda, Jon (J.M.); Akolkar, Shrikant (S.V.)
Subject: Presentation with P diagram

I sent out a previous message without the attachment. The P diagram and related information is on slides 5 - 10

<< File: Davis-Tim Quality w P diagram.ppt >>

Regards,

Jim Maurer

James B. Maurer
V-Engine 6-Sigma Team Leader
Fuel Metering Dept. V Engine Engineering
Phone (313) 390-3872, Fax (313) 390-4084
Text Page: (313) 795-5219
Email: jmaurer@Ford.com

Panaretos, Christine (C.M.)

From: Kazik, Elizabeth (E.K.)
Sent: Monday, March 11, 2002 1:59 PM
To: Panaretos, Christine (C.M.)
Subject: RE: Meeting Confirmation 3/14-#309503 KAVLICO D.P.F.E. SENSOR

Hi Christine. Mo indicated you also need an infocus. Your corrected contract is below.
 Thanks.

Have a good day!
 Liz Kazik
 Ford Training & Development
 UPG & PPD Program Coordinator
 888-993-3673 x 7779
 ekazik@ford.com

—Original Message—

From: Kazik, Elizabeth (E.K.)
Sent: Monday, March 11, 2002 12:12 PM
To: Panaretos, Christine (C.M.)
Subject: Meeting Confirmation 3/14-#309503 KAVLICO D.P.F.E. SENSOR

Confirmation #: 309503 **Room(s):** 145 South @ \$100.00
Date: 3/14/2002 **Time:** 8 am - 5 pm
Event Name: KAVLICO D.P.F.E. SENSOR
Equipment: STANDARD, plus 1-infocus @ 0.00

Cancellation Policy:

- CANCELLATIONS must be made in writing to register@ford.com 10 or more business days prior to the event start date.
- Any cancellation within 10 business days will be charged in full.
- In your correspondence, please include your confirmation number for the meeting.
- FTDC reserves the right to cancel scheduled rooms with a 90-day notice.

Equipment:

- All 20 person rooms or larger are equipped with an Overhead Projector & Screen, TV / VCR, 3 Flip Charts and 1 Whiteboard.
- 6, 8, & 10 person rooms are equipped with 2 Flip Charts and 1 Whiteboard.
- Equipment requests not made at least 5 full business days before the event start date will be billed a 20% late charge.
- All special equipment brought into the building must be approved by room scheduling prior to the event date and checked in/out with Security. Located on the North side of the building.

Participant Count:

- Please e-mail with any changes to your participant count 5 full business days prior to event start day.
- Lunch Vouchers are non-refundable and can only be used for date issued.

Computer Systems Support:

3/11/02

- All computers requiring nonstandard software or special equipment must be approved 10 full business days prior to event date, otherwise we may not be able to accommodate.

Other:

- Please leave the room as clean as it was found; otherwise a housekeeping fee will be assessed.
- Please make sure to remove all valuables from the rooms each night, as the rooms are used for evening programs.
- All changes in equipment and furniture requests to your original reservation must be made by 12:00 P.M. on 3/12/02 via fax or e-mail.
- In accordance with Life Safety Regulations, the room you have reserved is a 20 person capacity room.

Please sign and return this contract via fax at (313) 62-14270 by 3/12/02

Signature:	Date:
Print Name:	Phone:

19000 Hubbard Drive
Dearborn, MI 48124

Phone: 313-84-55255
FAX: 313-62-14270

Pararetos, Christine (C.M.)

From: Kazik, Elizabeth (E.K.)
Sent: Monday, March 11, 2002 12:12 PM
To: Pararetos, Christine (C.M.)
Subject: Meeting Confirmation 3/14-#308503 KAVLICO D.P.F.E. SENSOR

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Date: 3/14/2002 **Time:** 8 am - 5 pm
Event Name: KAVLICO D.P.F.E. SENSOR
Equipment: STANDARD

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- In accordance with Life Safety Regulations, the room you have reserved is a 20 person-capacity room.

Please sign and return this contract via fax at (313) 62-14270 by 3/12/02

Signature:	Date:
Print Name:	Phone:

19000 Hubbard Drive
Dearborn, MI 48124

Phone: 313-84-55255
FAX: 313-62-14270

Panaretos, Christine (C.M.)

From: travel@ford.com
Sent: Monday, March 11, 2002 11:45 AM
To: cpanaret@ford.com
Cc: cpwt@ford.com
Subject: Updated meeting registration status: Kavlico dPFE Sensor

Your meeting registration has been approved.

Here is your reference program number:001211

Please go to the Meeting Registration site at
<http://whq0ap05.whq.ford.com/meetingregistration> to review the latest
information about your registered meetings.

Comments:

Thank you for registering your meeting. You are confirmed in room 145
South.

Meeting and Conference Registration

Thank You!

Ford Meeting and Conference Planning (FMCP) will contact you within 48 hours regarding your registration.

Your responses are shown below.

[Back to Meeting Registration Home](#)

Part I: Client Information

First Name:	Christine
Last Name:	Panaretos
Title:	Project Analyst
Primary Responsibility:	Other
Business Unit:	Ford Brand North America
Phone:	313-248-9337
Fax:	313-322-9265
CDS ID:	cpanaret
Email Address:	cpanaret@ford.com
Department Number:	N415
Street Address:	21500 Oakwood Blvd.
Cube or Room:	CG071
City:	Dearborn
State/Province:	MI
Zip Code:	48124-4091
Country:	US

Part II: Program Information

Program Name:	Kavlico dPFE Sensor
Program Type:	Business Meeting
Proposed Meeting Location (Must use Ford Facilities):	Fairlane Training and Development Center
If Proposed Meeting Location is Other, Please List Specific Location (City, Hotel or Facility, etc):	
If Not A Ford Meeting Facility, Please Explain Reasons For Choice:	
Total Number of Participants:	20
Attendees:	Employees
Estimated Program Budget:	120
Program Budget Account Number:	
Program Start Date:	3/14/2002
Program End Date:	3/14/2002
Number of Groups:	1
Travel Supplier Assistance Required:	No

If Yes, Which Travel Supplier: None
 If Other, Please Specify:

Part III: Meeting Criteria

General Session Space Required?: Yes
 If Yes, Room Should Accommodate: 20
 General Session Style: Classroom Style
 Setup Start Date (Include advance set-up): 3/14/2002
 Setup End Date (Include tear down): 3/14/2002
 Breakout Space Required?: No
 If Yes, Number of Breakouts:
 Breakout Space Required:
 Audio Visual Requirements: In-Focus, Overhead, Easels
 Food and Beverages Needed?: Lunch
 Food and Beverage Requirements: Participants will pay for their own lunch in cafeteria.
 Vehicle Display Requirements:

Part IV: Additional Information

Will Any Vice Presidents or Corporate Officers Be Attending This Meeting?: No
 If Yes, Please Identify:
 Please Describe the Purpose of the Meeting: Offsite meeting to discuss technical requirements.

Site Owner: Debbie Windley
 dwindley@ford.com

Last Updated: Monday, October 15, 2001
 Version 2.26

My Ford.com - Ford Home Page
My Travel - Corporate Travel,
meetings, event registration,
Standardized templates - Submit
8:30-5:00 - Room for 20 people

Thursday 3/14 -

FTDC - make arrangements
for Pauline's office

Contact Corporate

313 445-9866

Johnnie's mis-
placed - have to
rebook

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Wednesday, January 23, 2002 2:05 PM
To: Plante, Paul (P.G.); Owens, Karen (K.E.)
Co: Gatee, Freeman (F.C.)
Subject: Reservations for 1/31/02 Offsite

Karen/Paul,

I just wanted to let you know that I have put a reservation in for the room at FTDC on 1/31/02. There is a 25-person room available all day, and I have put that on a 24 hour hold (so that we can confirm the actual number of people attending). The cost for the room will be \$125. Lunch vouchers are \$8.25 per person. I can give her an exact count of people needing vouchers when I confirm the reservation tomorrow afternoon.

In case I am not here to put in the final confirmation, here is the info:

Reserved under "Christine"
Room 161 - South Building
All day on 1/31/02
25 person room
Ext. 55255 - Carol at FTDC is the contact.

DEPT:
2415

Let me know a final count and I will place the call to reserve. Jim O'Neall has given his department number and approval.

Chris Panaretos

Project Manager, Project Solutions, LLC.
Lead POEE, Components "B"
(313) 24-89337
Fax: (313) 32-28285

EMM-07-0 5759

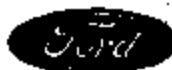
3/10/09

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Tuesday, March 12, 2002 12:04 PM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Ales, Sheran (S.A.); Arnold, Kenneth (K.M.); Auller, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoaka, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lea (L.C.); Blesi, Gerry (G.); Bronni, Mark (M.J.); Danae, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freland, Mark (M.); Gatas, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hargas, Jon (J.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerazi, Karen (K.J.); Koszewnik, John (J.J.); Kunda, Oief (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Mutar, Doreen (D.J.); Nelson, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plants, Paul (P.G.); Popoff, Daniel (D.M.); Raquepau, Alden (A.P.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Trufflo, Thomas (T.G.); Verner, Carol (C.J.); White-johnson, Patricia (P.); Willamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Meeting Agenda for 3/12/02- Kavlico



Chris Panaretos
Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29285



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kaylico TM dPFE Sensor

Meeting Logistics

Subject: Kaylico TM dPFE Sensor Core Team
Date: March 12, 2002
Time: 1-2:30 p.m.
Location: POBB, DI-196 (FMHI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): March 14, 2002, Technical Office #2

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kaylico Fax: 805-531-6574

Core Team Participants

Black Bolt	Kaylico	V-Engine	Quality Office	BRSB	Purchasing
Mark Freeland	Mary Atkins	Jim O'Neall	Mahmoud Awad	Sherm Alfas	Joe Smythe
Shri Akolkar	Don Ayers	Freeman Gates	Kurt Schieding	Robert Rossi	Chris Nielsen
Jon Janda		Chris Panaretos			
		Paul Plante		PCSB	
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Peery	

Meeting Agenda - 3/12/02

<u>Order of Agenda Items</u>	<u>Cont. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Kaylico needs to verify what Pirana-etch does to aluminum.		Kyong Park	10 minutes
3. Status on Norfolk and St. Thomas returns.		Tory T	10 minutes
4. Complete teardown analysis for five platforms including Focus		Tory T	10 minutes
5. Capacity for service.		Chris Nielsen	10 minutes
6. Update on Vehicle Electrical Testing	I6, A1 & 112, A6	R. Rossi	20 minutes
7. Compare failure mechanism of the current production acid tested parts vs. warranty UPAD parts.		Kyong Park	15 minutes
8. Affect of the gold process on warranty		Kyong Park	15 minutes
9. Update on fleet vehicles		Carol Verner	10 minutes
10. Walk-in's		All	10 minutes
11. Next meeting (3/19) agenda		All	5 minutes

<u>Proposed Next Meeting Agenda 3/19/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cpc 3/12/02
 Kaylico dPFE Sensor Core Team

created: 12/11/01
 revised: 3/12/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 POEE - DI-196

Meeting Date: 3/12/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIALS	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makins@ford.com
	SA	Akolkar	SM	313-58-41908	Six Sigma Black Belt	Ford	POEE	akolkar@ford.com
		Abrecht	Guithar	313-32-23153	Service Engineer	Ford	POEE	calbrecht@ford.com
*		Alles	Shehan	313-58-40563	EESE - AVT Wiring Specialist	Ford	AVT5	alles@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.8 F150 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jim	313-32-38793	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Awad	Mahmoud	313-24-83890	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
*		Ayers	Don	805-523-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Bansek	Catherine	313-32-38101	FMEI GPMT Eng./WERs concerns	Ford	POEE	cbansek2@ford.com
		Bersuder	Lee	313-84-60881	FQE Supervisor	Ford	TWCTDR	lbersuder@ford.com
		Bisal	Gerry	313-24-86280	ECl Supervisor	Ford	TWCTDR	gbisal@ford.com
		Bronni	Mark	313-24-84508	On-Site Rep.	Motorola	POEE	mbronni@ford.com
*		Danes	Adam	313-32-86898	Master Black Belt	Ford	POEE	adanes@ford.com
		Davies	Bredy	805-523-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-56008	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglase	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglase@ford.com
*	MA	Freeland	Mark	313-58-47645	6-Sigma Black Belt	Ford	FRL	mfreeland1@ford.com
*	MA	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Gloriano	Mike	313-32-20925	C&P Supervisor	Ford	VPC	mgloriano1@ford.com
		Hargaa	Jon	313-23-31098	FRL Scan Elec Microscope-Expert	Ford	FRL	lhargaa@ford.com
	MA	Jahshan	John	734-658-2758	PCSE Applications Engineer	Viatron	POEE	jahshan@viateon.com
	MA	Janda	Jon	313-24-82598	Six Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-88292	FMEI Section Supv.	Ford	POEE	johanson@ford.com
		Kapp	Dan	313-33-78554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Kerezi	Karen	313-80-69987	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com
		Kozzenwik	John	313-32-28973	Chief Engineer	Ford	POEE	jkozzenw@ford.com
		Kunde	Olaf	313-80-66980	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com
		Masura	Gordon	313-32-28852	Leader	Ford	FPB4	gmasura@ford.com

created: 12/11/01
revised: 9/12/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
POEE - DI-106

Meeting Date: 3/12/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
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- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	JM	Maurer	Jim	313-99-03672	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarty	Bill	313-99-41031	Production Buyer	Ford	Purchasing	vmccart1@ford.com
		Muter	Doreen	313-246-6691	Recall Analyst	Ford	FCSD	dmuter@ford.com
*	W	Nielsen	Chris	734-25-8960	Service Buyer	Ford	FCSD	crnielsen@ford.com
*		O'Neill	Jim	313-92-26839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswalt	Greg	313-99-01180	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com
*		Panaretos	Chris	313-24-89937	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84889	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
*	JP	Perry	Brian	313-99-04170	PT Elec Appl 2.0L Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
*	TP	Plante	Paul	313-84-54136	Campaign Manager	Ford	POEE	aplante@ford.com
		Popoff	Dan	313-24-88803	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araquepau1@ford.com
*		Rosal	Robert	313-84-51438	Wiring CPS - EESB Leader	Ford	Shop #1	rosal1@ford.com
*		Schleding	Kurt	313-92-25449	Reliability Supervisor	Ford	POEE	kkschled@ford.com
*		Shore	John	734-25-59780	PS&L Recall Mgr.	Ford	FCSD	hshore@ford.com
*		Smythe	Joe	313-92-12995	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
		Tamaehiro	Terry	805-523-2000	Warranty Analyst	Kavlico	CA	ttamaehiro@kavlico.com
		Trullio	Tom	313-92-36265	OGC Lawyer	Ford	PDC	ttrullio@ford.com
		Verner	Carol	313-99-07180	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-99-04408	STA Site Manager	Ford	AVTS	pwjohns@ford.com
		Williamson	Rick	313-24-86348	ECI Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com
		Wilson	Gary	313-99-02682	Chief Engineer	Ford	AVTS	gwilson92@ford.com
		Garante	Chris	313-99-5162	46L OPA	Ford	POEE	cgarante@ford.com

EM02-027-D 0763

ENG2-027-D 0704

2/16/04

created: 12/11/01
revised: 9/7/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
POEE - DI-186

Meeting Date: 9/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the info associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIALS	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Aldine	Mary	313-24-81889	On-Site Rep.	Kavlico	POEE	maaldine@ford.com
	SA	Akolkar	Shri	313-59-41808	Stx Sigma Black Belt	Ford	POEE	saakolkar@ford.com
		Abracht	Günther	313-32-23153	Service Engineer	Ford	POEE	ga@urech@ford.com
*		Alles	Sheran	313-59-40653	EESE - AVT Wiring Specialist	Ford	AVT6	saalles@ford.com
		Arnold	Ken	313-24-84178	PT Elec Appl - 4.6 F150 Supv./Leader	Ford	POEE	kaarnold@ford.com
		Außer	Jim	313-32-38783	Chief Engineer	Ford	POEE	jausser@ford.com
*	AA	Awad	Mahmoud	313-24-83869	Reliability Engineer/ Field Data Leader	Ford	POEE	maawad@ford.com
*		Ayers	Don	805-823-2000	Program Manager/Technical Leader	Kavlico	CA	daayers@kavlico.com
		Bansek	Catherine	313-32-38101	FMEI CPMT Eng./WERTs concerns	Ford	POEE	cbansek2@ford.com
		Berauder	Lee	313-84-60881	POE Supervisor	Ford	TWCTDR	lberauder@ford.com
		Bisal	Gary	313-24-88260	ECI Supervisor	Ford	TWCTDR	gbisal@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
*	✓	Dames	Adam	313-32-28698	Master Black Belt	Ford	POEE	adames@ford.com
	✓	Davies	Brady	805-823-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-58009	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-33-72855	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
*	✓	Erfeland	Mark	313-59-47845	σ-Sigma Black Belt	Ford	FRL	meerfelan1@ford.com
*	✓	Gates	Freeman	313-32-24807	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com
		Giordano	Mike	313-32-20825	C&P Supervisor	Ford	VPC	mgiordano1@ford.com
		Hangaa	Jon	313-23-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	jhangaa@ford.com
		Whelan	Jon	734-889-2789	PCSE Applications Engineer	Visteon	POEE	jwhelan@visteon.com
	✓	Janda	Jon	313-24-82569	Stx Sigma Black Belt	Ford	POEE	jjanda@ford.com
		Johnson	Joe	313-84-68282	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com
		Kapp	Don	313-88-78864	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Karazi	Karen	313-20-63867	FMEI AWS Analyst	Ford	POEE	kkarazi@ford.com
		Kozzewnik	John	313-32-28878	Chief Engineer	Ford	POEE	kozzevnik@ford.com
		Kunde	Claf	313-20-65930	PT Focus Program Mgr.	Ford	VPC	ckunde1@ford.com
		Masura	Gordon	313-32-29662	Leader	Ford	FPB4	gmasura@ford.com

created: 12/11/01
 revised: 8/7/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 POEE - D1-198

Meeting Date: 8/7/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member.								
CPRE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	JM	Maurer	Jim	313-39-03872	Team Leader	Ford	POEE	jmaurer@ford.com
		McCarthy	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccar1@ford.com
		Muler	Doreen	313-248-9391	Recall Analyst	Ford	FCSD	dmuler@ford.com
*		Nelson	Chris	734-29-99888	Service Buyer	Ford	FCSD	cnelson4@ford.com
*	JAO	O'Neal	Jim	313-32-25839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
		Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
*	SP	Panaretos	Chris	313-24-89987	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
		Park	Kyong	805-523-2000	VP Research and Dev'l	Kavlico	CA	kpark@kavlico.com
		Pascary	Ken	313-24-84089	PT Electronics Engineer	Ford	POEE	kpasca@ford.com
*		Perry	Brian	313-39-04170	PT Elec Appl 2.0L Zetec Focus/Escap S	Ford	POEE	bperry@ford.com
*		Plante	Paul	313-64-54138	Campaign Manager	Ford	POEE	pplante@ford.com
		Popoff	Dan	313-24-89903	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com
		Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	araqepa1@ford.com
*		Ross	Robert	313-64-51458	Wiring OPS - EEEG Leader	Ford	Bldg. #1	rross1@ford.com
*		Schleding	Kurt	313-32-25448	Reliability Supervisor	Ford	POEE	kschled@ford.com
*		Shore	John	734-29-89789	PS&L Recall Mgr.	Ford	FCSD	jshore@ford.com
*		Smythe	Joe	313-82-12995	STA Engineer (Leader)	Ford	PTE	jmsmyth@ford.com
		Tamashiro	Terry	805-523-2000	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com
		Truffo	Tom	313-32-38285	OGC Lawyer	Ford	PDC	ttruffo@ford.com
*		Verner	Carol	313-39-07160	FMEI Engineer	Ford	POEE	cverner@ford.com
		White-Johnson	Patrice	313-39-04409	STA Site Manager	Ford	AVTS	pwhitej@ford.com
		Williamson	Rick	313-24-88348	ECH Prod.Con.Anal.	Ford	FCSD	rwill110@ford.com
		Wilson	Cary	313-39-02852	Chief Engineer	Ford	AVTS	ccwilson@ford.com
		GALIBS	Chris	713-84-56067	4.6			

5892-027-0 5766

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Thursday, March 07, 2002 10:37 AM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Allee, Sheran (S.A.); Arnold, Kenneth (K.M.); Auiler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoaka, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Bleel, Gerry (G.); Bronni, Mark (M.J.); Danae, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglasa, Jim (J.B.); Fraeland, Mark (M.); Gatas, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hanges, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerezi, Karen (K.J.); Kozawnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswalt, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Pascany, Ken (K.M.); Perry, Brian (B.J.); Pientz, Paul (P.G.); Popoff, Daniel (D.M.); Raquepau, Alden (A.P.); Ross, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Meeting Agenda and Issues for Kavlico dPFE Sensor Core Team 3/7/02

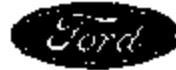
Attached please find the agenda and Issues Report for today's meeting.

If you are a presenter, please bring 15 copies of your presentation for handouts, and e-mail or give me your presentation to fax to Kavlico by noon today.



Chris Panaretos

Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89397
Fax: (313) 82-29265



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
 Dates: March 7, 2002
 Time: 1-3:00 p.m.
 Location: POBE, DI-196 (FMEI War Room)
 Called By: Jim Maurer, Team Leader: (313) 39-03672
 Next Meeting (s): March 12, 2002, DI-196, 1-2:30 p.m.
 March 14, 2002, Technical Offsite #2

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	V-Engine	Quality Office	EHSB	Purchasing
Mark Preeland	Mary Atkins	Jim O'Neall	Mahmoud Awad	Sheran Alles	Joe Strythe
Shri Akolkar	Don Ayers	Freeman Gates	Kurt Schleding	Robert Rossi	Chris Nielson
Jon Janda		Chris Panaretos			
		Paul Pianto		PCSE	
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 3/07/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Overlay of Kavlico and Ford changes on stock chart	16, A2	Mahmoud Awad	20 minutes
3. Update from Kavlico on part RML8760-184; Pull report/matrix update of teardown analysis	13, A1, A4	Terry Tamashiro	20 minutes
4. Status on Norfolk and St. Thomas returns	13, A3	Terry Tamashiro	10 minutes
5. Comparison report of UPAD to Acid Test	15, A6	Kyong Park	10 minutes
6. Update on Vehicle Electrical Testing	16, A1 & I12, A6	R. Rossi	20 minutes
7. Kavlico service part capacity/Motorola coordination	116, all	All	10 minutes
8. Agenda for 2-Day Technical Review (3/14 Offsite) - Revise	13, A7	All	10 minutes
9. Walk-in's		All	10 minutes
10. Next meeting (3/12) agenda		All	5 minutes

<u>Proposed Next Meeting Agenda 3/12/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 3/7/02
 Kavlico dPFE Sensor Core Team

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Wednesday, March 06, 2002 3:24 PM
To: Maurer, James (J.B.)
Subject: Agenda for Thursday

Importance: High

Jim,

I have not yet put together an agenda for Thursday, but I have updated the issues. I have attached the latest one. I am only putting the most current information in the "action items / results of actions" section, and just renaming the file for history purposes. I received updates from Carol Verner, Mahmoud and Brian Perry, as well as used my notes from the meeting yesterday for the updates. Some actions that have a 3/7/02 date required are actually on-going items. There are also some actions that are past due and still need to be updated by the appropriate team member.

Please review and let me know what should be in the agenda for tomorrow.



1:20:01 PM 3/6/2002
502.222

Chris Panaretos

Project Manager, Project Solutions, LLC.

Ford POEE, Components "B"

tel: (313) 24-89337

fax: (313) 32-29285

EM02-027-0 5770

3/5/02

created: 12/11/01
 revised: 3/5/02

2000-2002 Kavlico TM dPFE Sensor
 Core Team Meeting
 POEE - DI-195

Meeting Date: 3/5/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	INITIAL	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	MA	Akins	Mary	313-24-81989	On-Site Rep.	Kavlico	POEE	makina@ford.com
	SA	Akolkar	Shri	313-69-41808	Six Sigma Black Belt	Ford	POEE	akolkar@ford.com
		Albrecht	Gutsher	313-32-23159	Service Engineer	Ford	POEE	galtbrecht@ford.com
		Alles	Sharon	313-69-40553	EESE - AVT Wiring Specialist	Ford	AVTS	salles@ford.com
		Arnold	Ken	313-24-84176	PT Elec Appl - 4.8 F160 Supv./Leader	Ford	POEE	karnold@ford.com
		Auller	Jan	313-32-88783	Chief Engineer	Ford	POEE	jauller@ford.com
*	MA	Ayad	Mahmoud	313-24-83869	Reliability Engineer/ Field Data Leader	Ford	POEE	mayad@ford.com
*		Ayers	Don	805-823-2000	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com
		Banaek	Catherine	313-32-88101	FMEI CPMT Eng./MERs concerns	Ford	POEE	cbanaek2@ford.com
		Bersuder	Lee	313-84-50881	PQE Supervisor	Ford	TWCTDR	lbarsuder@ford.com
		Blael	Gerry	313-24-85280	ECI Supervisor	Ford	TWCTDR	gblael@ford.com
		Bronni	Mark	313-24-84509	On-Site Rep.	Motorola	POEE	mbronni@ford.com
*	AD	Danes	Adam	313-32-26886	Master Black Belt	Ford	POEE	adanes@ford.com
		Davies	Betsy	805-823-2000	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com
		Deeb	Joe	313-84-68009	PT Elec Appl 3.0L 4V Eco/Taurus Supv.	Ford	POEE	jdeeb@ford.com
		Douglass	Jim	313-69-72655	Vehicle Environmental Engineering	Ford	FPB4	jdouglass@ford.com
*		Freeland	Mark	313-69-47645	6-Sigma Black Belt	Ford	FRL	mfreeland@ford.com
*		Gates	Freeman	313-32-24807	FMEI Tech Spec/Technical Lead	Ford	POEE	frgates@ford.com
		Giordano	Mike	313-32-20825	CAP Supervisor	Ford	VPC	mgiordano1@ford.com
		Hargas	Jon	313-29-31068	FRL Scan Elec Microscope-Expert	Ford	FRL	lhargas@ford.com
		Jahshan	John	734-698-2759	PCSE Applications Engineer	Visaton	POEE	jahshan@visaton.com
		Janda	Jon	313-84-82589	Six Sigma Black Belt	Ford	POEE	ljanda@ford.com
		Johnson	Joe	313-84-68298	FMEI Section Supv.	Ford	POEE	johneon@ford.com
		Kapp	Jan	313-69-78554	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com
		Karazi	Karen	313-20-83387	FMEI AWS Analyst	Ford	POEE	kkarazi@ford.com
		Kozzawnik	John	313-32-28973	Chief Engineer	Ford	POEE	jkozawnik@ford.com
		Kunde	Cliff	313-20-65930	PT Focus Program Mgr.	Ford	VPC	ckunde1@ford.com
		Messers	Gordon	313-32-29582	Leader	Ford	FPB4	gmessers@ford.com

ENG-027-0 8771

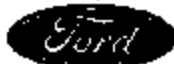
created: 12/11/01
revised: 3/5/02

2000-2002 Kavlico TM dPFE Sensor
Core Team Meeting
POEE - DI-196

Meeting Date: 3/5/02

Please:								
- Initial or check the box to the left of your name to indicate your attendance.								
- Make any corrections to the detail associated with your name.								
- If your name is not on this list, please write it in at the bottom including the appropriate detail.								
* Denotes Core Team Member								
CORE TEAM	Initial	LAST NAME	FIRST NAME	PHONE NUMBER	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL
*	<input checked="" type="checkbox"/>	Maurer	Jim	313-39-0972	Team Leader	Ford	POEE	lmaurer@ford.com
	<input checked="" type="checkbox"/>	McCarty	Bill	313-59-41031	Production Buyer	Ford	Purchasing	wmccarty@ford.com
	<input checked="" type="checkbox"/>	Mutar	Doreen	313-248-0301	Recall Analyst	Ford	FCSD	dmutar@ford.com
*	<input checked="" type="checkbox"/>	Nelson	Chris	784-26-89886	Service Buyer	Ford	FCSD	crnelson@ford.com
*	<input checked="" type="checkbox"/>	O'Neal	Jim	313-32-28839	FMEI Dept. Mgr.	Ford	POEE	joneal@ford.com
	<input checked="" type="checkbox"/>	Oswalt	Greg	313-39-01180	Critical Con. Mgr.	Ford	FCSD	gswalt@ford.com
*	<input checked="" type="checkbox"/>	Panaretos	Chris	313-24-89337	Proj. Mgt. Analyst	Project Solutions	POEE	cpanaret@ford.com
	<input checked="" type="checkbox"/>	Park	Kyong	805-523-2000	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com
	<input checked="" type="checkbox"/>	Pascary	Ken	313-24-84660	PT Electronics Engineer	Ford	POEE	kpascary@ford.com
*	<input checked="" type="checkbox"/>	Perry	Brian	313-39-04170	PT Elec Appl 2.DL Zetec Focus/Escape S	Ford	POEE	bperry@ford.com
	<input checked="" type="checkbox"/>	Plante	Paul	313-84-84138	Campaign Manager	Ford	POEE	pplante@ford.com
	<input checked="" type="checkbox"/>	Popoff	John	313-24-88803	C&P Quality Eng (Leader)	Ford	VPC	jpopoff@ford.com
	<input checked="" type="checkbox"/>	Raquepau	Al	313-24-84329	APTE PT CPS	Ford	APTE	alraquep@ford.com
*	<input checked="" type="checkbox"/>	Rosel	Robert	313-84-81486	Wiring CPS - EESE Leader	Ford	Bldg. #1	roselr@ford.com
*	<input checked="" type="checkbox"/>	Schleding	Kurt	313-32-25449	Reliability Supervisor	Ford	POEE	kschled@ford.com
*	<input checked="" type="checkbox"/>	Shore	John	784-26-89789	P&L Recall Mgr.	Ford	FCSD	jshore@ford.com
*	<input checked="" type="checkbox"/>	Smythe	Joe	313-32-12885	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com
	<input checked="" type="checkbox"/>	Tamashiro	Terry	805-523-2000	Warranty Analyst	Kavlico	CA	ttamashiro@kavlico.com
	<input checked="" type="checkbox"/>	Trullio	Tom	313-39-86265	OGC Lawyer	Ford	POC	ttrullio@ford.com
	<input checked="" type="checkbox"/>	Verner	Garci	313-39-07180	FMEI Engineer	Ford	POEE	gverner@ford.com
	<input checked="" type="checkbox"/>	White-Johnson	Patrice	313-39-04402	STA Site Manager	Ford	AVTS	pwhite@ford.com
	<input checked="" type="checkbox"/>	Williamson	Pick	313-24-89348	ECI Prod.Con.Anal.	Ford	FCSD	pick11@ford.com
	<input checked="" type="checkbox"/>	Wilson	Cary	313-39-02852	Chief Engineer	Ford	AVTS	swilson@ford.com
	<input checked="" type="checkbox"/>	GALANTE	CHRIS	313-84-50067	4.6 LOPS / BLACK BELT	FORD	POEE	cgalante@ford.com

EMR2-021-0 5712



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Date: March 5, 2002
Time: 1-2:30 p.m.
Location: POHE, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): March 7, 2002, DI-196, 1-3:00 p.m.
 March 12, 2002, DI-196, 1-2:30 p.m.
 March 14, 2002, Technical Office #2
Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	Y-Eagles	Quality Office	BESH	Purchasing
Mark Freeland	Mary Aldes	Jim O'Neill	Mahmoud Awad	Sheran Alles	Joe Smyth
Shri Akolkar	Don Ayers	Freeman Gates	Kurt Schieding	Robert Roasi	Chris Nielsen
Jon Janda		Chris Panaretos			
		Paul Pinto		PCSE	
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 3/5/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Analysis of data from Kavlico returns	II, A1	Loay Salateh	20 minutes
3. Update on obtaining fleet vehicles from buy-back lists/discussion of car requirements for testing	K6, A3 & II0, A5	Carol Verner	10 minutes
4. Pressure/voltage data for Zarlink and SMI sensors	II2, A4	Kavlico	5 minutes
5. Update on Vehicle Electrical Testing	I6, A1 & II2, A6	R. Roasi	20 minutes
6. Offsite Assignments (from 2/1 Technical Office)	Various	C. Panaretos	10 minutes
7. Agenda for 2-Day Technical Review (3/14 Offsite)		All	10 minutes
8. Walk-in's		All	5 minutes
9. Next meeting (3/5) agenda		All	5 minutes

<u>Proposed Next Meeting Agenda 3/7/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>
Overlay of Kavlico and Ford changes on stack chart	Mahmoud Awad	10 minutes

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 3/4/02
 Kavlico dPFE Sensor Core Team

Panaretos, Christine (C.M.)

From: Panaretos, Christine (C.M.)
Sent: Monday, March 04, 2002 4:51 PM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Afies, Sheran (S.A.); Arnold, Kenneth (K.M.); Auler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoake, Pete (P.F.); Bansek, Catherine (C.K.); Bereuder, Lee (L.C.); Biesel, Gerry (G.); Bronni, Mark (M.J.); Danes, Adam (A.V.); Davis, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Fretland, Mark (M.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Hengas, Jon (.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerazi, Karen (K.J.); Koszawnik, John (J.J.); Kunda, Oief (O.); Maaura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswalt, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Pascary, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raquesau, Aiden (A.P.); Rossal, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Vamer, Carol (C.J.); White-Johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Agenda for Kavlico dPFE Sensor Core Team 3/5/02

Attached please find the agenda for tomorrow's Kavlico meeting. If you are a presenter and you have data that needs to be put in the evidence book or faxed to Kavlico, please send it to me no later than one hour (12:00 noon EST) prior to the meeting. Please bring at least 15 copies of your handouts to the meeting.



Kavlico Meeting
Kpeda_030502....

you have any questions, please contact me or Jim Maurer.

Chris Panaretos

Project Manager, Project Solutions, LLC.
Ford POEE, Component "B"
(313) 24-89337
Fax: (313) 32-28285

From: Hofman, Michael (M.V.)
Sent: Friday, September 14, 2001 8:33 AM
To: Takasawa, Keith (K.D.); Kwon, Soon (S.K.); Dalbo, Bob (R.J.); Fascetti, Bob (R.J.)
Subject: FW: STALLS

Stalls issue on Taurus was Vulcan (Flex Fuel) - I also talked to Don - Stalls on Duratec are very low in comparison....I'll get data to support / confirm! Thanks - Mike

Michael V. Hofman
Outfitters - Compact Utilities P/T Programs Manager
PDC 1D-H88 MD 314
Phone: 313-84-55065 Fax: 313-39-00579
mhofman@ford.com

-----Original Message-----
From: Moore, Donald (D.R.)
Sent: Friday, September 14, 2001 7:20 AM
To: Hofman, Michael (M.V.); Gogate, Anil (A.B.); Sventickas, Ed (E.); Yeung, Lem (.)
Subject: RE: STALLS

Engine stalls was high on the list for the 2000MY Taurus Top 25.....the issue was related to Vulcan flex fuel vehicles. Currently stalls is so far down the list we don't even discuss this in the PT QRT.

-----Original Message-----
From: Hofman, Michael (M.V.)
Sent: Thursday, September 13, 2001 7:22 PM
To: Gogate, Anil (A.B.); Sventickas, Ed (E.); Yeung, Lem (.); Moore, Donald (D.R.)
Subject: FW: STALLS

IS Keith's note true? Please advise - need more data - We've been chasing an "Escape/Tribute" Phantom stall (highway decells - approx 40 mph), instant restarts, only root causes so far have been suspected electrical. It's now an aging QSF!! Let's compare notes!! Thanks - Mike

Michael V. Hofman
Outfitters - Compact Utilities P/T Programs Manager
PDC 1D-H88 MD 314
Phone: 313-84-55065 Fax: 313-39-00579
mhofman@ford.com

-----Original Message-----
From: Takasawa, Keith (K.D.)
Sent: Thursday, September 13, 2001 2:26 PM
To: Hofman, Michael (M.V.)
Cc: Powers, Ken (K.W.); Garrett, Bruce (B.)
Subject: STALLS

Just noticed that ENGINE STALLS are #1 on Taurus Top 25. If you don't know, can you please find out if it's Duratec, and if so, find out more about it and get hooked into their process? Thanks.

Best Regards,

Keith Takasawa

Escape/Tribute/Maverick Chief Engineer
Suite 305, West Park Center
5111 Auto Club Drive
Dearborn, MI 48126-2749

2002-027-D 5775

PH: 313-322-5675 FAX: 313-248-8599
TEXT PAGE: mailto:7346045034@MOBILE.ATT.NET
E-MAIL: mailto:KTAKASAW@FORD.COM

From: Hansen, George (G.C.)
Sent: Thursday, September 27, 2001 8:37 AM
To: Bhojwani, Kamal (K.)
Cc: Kwon, Soon (S.K.); Dalbo, Bob (R.J.)
Subject: FW: OBDII Port for Data Collection

Kamal, Please see attached note.

--
George Hansen
Escape, PTQRT
226-H WPC
(313) 84-51800
ghansen4

-----Original Message-----

From: Hansen, George (G.C.)
Sent: Thursday, September 27, 2001 9:21 AM
To: Badgley, Joel (J.); Altonian, Don (D.J.); Hofman, Michael (M.V.)
Cc: Corbett, Sandra (S.M.)
Subject: OBDII Port for Data Collection

I talked with Ron Sass.

I got a very quick lesson on how the OBD II port sends data out. It is released in packets that can vary in length up to 60 ms (depending on how many parameters and what type of parameters are requested of the EEC). The over-simplified step chart is:

- 1) Request sent out for data
- 2) Parameters are collected by the EEC
- 3) Requested data is sent back to the SEP
- 4) Requested data hits the VDR

PIDS can be viewed quicker, but 7 ms is probably a reasonable gap
DMR would take longer and be closer to the 60 ms range

Bottom line was that he thought this was a bad way to get data. He suggested hooking up an RCON to collect the data that we wanted. Being that we are using customer vehicles this is not going to be possible (The J-3 board has been disconnected on production EEC's (from conversation with Don)).

--
George Hansen
Escape, PTQRT
226-H WPC
(313) 84-51800
ghansen4

From: Kwon, Soon (S.K.)
Sent: Tuesday, April 02, 2002 8:16 AM
To: Dalbo, Bob (R.J.); Huck, Dave (D.E.); Sanders, Muriel (M.S.); Altoonian, Don (D.J.)
Subject: FW: DPFE sensor internal short circuit

Info.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 405, PDC Dearborn 48126
Phone (313) 322-0844, Fax
Pager (313) 795-1536, email: skwon@ford.com

-----Original Message-----

From: McGee, Brett (B.L.)
Sent: Tuesday, April 02, 2002 2:33 AM
To: Kwon, Soon (S.K.); Williamson, David (D.E.); Altoonian, Don (D.J.); Kuhnd, Noel (N.)
Cc: Linde, Peter (P.A.)
Subject: FW: DPFE sensor internal short circuit

FYI - two other similar cases.

Brett McGee
Ford Resident Engineer - Hofu Assembly Plant
e-mail: bmcgee@ford.com
Telephone: 011-81-82-287-1095
Fax: 011-81-82-287-5399

-----Original Message-----

From: Hoshino, Jun (J.)
Sent: Tuesday, April 02, 2002 4:01 PM
To: McGee, Brett (B.L.)
Subject: DPFE sensor internal short circuit

Brett, This is just information.

I have heard 2 cases of similar issue on RHD Tribute from Mazda.

One from Japan and other one from Australia.

In case of Japan, customer's vehicle had engine stall while idling then engine would not restart.

PCM could not communicate with WDS due to DPFE sensor internal short circuit.

When dealer technician disconnected the DPFE sensor connector, engine could start.

As for Australian case, customer had engine no start condition (According to Ideguchi-san, it was not while driving or engine idling) due to the same root cause with Japan case.

Thanks.

Jun Hoshino

RHD Escape/Maverick FCSD PVT Program Manager
PVT & Field Support, Vehicle Service & Programs
Hiroshima Japan Tel: 81-82-287-4603 Fax: 81-82-287-5220

FW Escape Stalls - 2002MY.txt
Subject: FW: Escape Stalls - 2002MY

Importance: High

-----Original Message-----

From: Williamson, Richard (E.)
Sent: Wednesday, November 28, 2001 9:23 AM
To: KWON, Soon (S.K.)
Subject: FW: Escape Stalls - 2002MY
Importance: High

-----Original Message-----

From: Williamson, Richard (E.)
Sent: Wednesday, November 28, 2001 9:22 AM
To: Oswalt, Greg (G.G.)
Cc: Bissi, Gerry (G.); Sweeney, Stephanie (S.L.); Kirschke, Kevin (K.E.); Corbett, Sandra (S.M.); King, Bob (B.); King, Robert (R.F.)
Subject: Escape Stalls - 2002MY
Importance: High

Greg,
Could we add the 2002 MY Escape to the agenda item B-19 (meeting# 1948)? It is the issue of 2001 Escape/Tributes stalling at cruising speeds. I have noticed that there are 20 plus COIS reports, one VOQ report and several AWS reports pertaining to the 2002 model year. Reading the reports sounds very similar to the 2001 issue.

Regards,
Rick Williamson
Product Concern Analyst-Powertrain
Enhanced Concern Identification
313-248-6348
rwill110@ford.com

From: Dalbo, Bob (R.J.)
Sent: Thursday, March 14, 2002 12:58 PM
To: Takubo, Hirochi (H.); Kawasaki, Shunsuke (S.)
Cc: Inoue, Hiroshi (H.); Takasawa, Keith (K.D.); Williamson, David (D.E.); Kwon, Soon (S.K.)
Subject: FW: U204 V6 MaFS Change

Kawasaki-san, Takubo-san:

This concern for the Improved RFI immunity MAFS was raised 15-November-2001 to help resolve the stalling issue. However, the drawings are still not approved. We would deeply appreciate any assistance you could provide to expedite this approval.

Bob Dalbo

3.0L Calibration Supervisor
Outfitters Calibration, NAT
Phone: (313) 24-84947 Fax: (313) 32-31786
Pager: (313) 795-2859 Email: rdalbo@ford.com

—Original Message—

From: Boals, Sandra (S.L.)
Sent: Wednesday, March 13, 2002 1:26 PM
To: Matsutani, Kazuyuki (K.)
Cc: Rosick, Kenneth (K.); Boals, Sandra (S.L.); Dalbo, Bob (R.J.); Shirashi, Masaru (M.); Oda, Tamaki (T.); Williamson, David (D.E.); Williams, Les (LHW.)
Subject: U204 V6 MaFS Change

Matsutani-San,

RE: 2002MY U204 V6 MAFS Change (Concern C11299286)

The drawings for this change have been updated and sent to you electronically for your approval. The drawings need to be approved by you to continue the release process. Are you the correct person? Or should we have directed this to someone else? Please advise.

The drawings can be viewed at <http://tmc.dunton.ford.com/help/>?

- Go to the pink box titled "Engineering"
- Select "Show My View List"
- From there select drawing 2L84-9800-BA
- Then approve

Sandy Boals

U204 PTSSE, Air Induction System D&R
Product Development Center (PDC), Cube 2F-E08
Phone: (313) 845-4661 / **FAX:** (313) 621-8320
Text Pager: (313) 684-2194

From: Kwon, Soon (S.K.)
Sent: Thursday, May 16, 2002 11:23 AM
To: Dalbo, Bob (R.J.); Yeung, Lem (.)
Cc: Corbett, Sandra (S.M.)
Subject: IAC change

I would like to confirm that the new IAC valve (YF1E-9F715-AB, released on CR # C11252737) has been tested with 2003 Job 1 calibration, Emissions/functional transparency has been proven, DVP&R completed on U204 engine and we can proceed implementation without further testing.

Lem, what is the R/1000 improvement projection with new IAC valve ?

Pis reply asap.

Thanks.

Regards,
Soon Kwon
Escapes/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 405, PDC Dearborn 48126
Phone (313) 322-6844, Fax
Pager (313) 796-1536, email: skwon@ford.com

From: Williams, Les (LHW.)
Sent: Wednesday, February 20, 2002 12:08 PM
To: Albonlan, Don (D.J.); Amenda, Harry (H.F.); Badgley, Joel (J.K.); Bauer, Scott (S.C.); Bhojwani, Kamal (K.); Blackburn, Thomas (T.J.); Bogema, John (P.); Cary Powell; Chick, John (J.); Chih, Ming-Niu (M.N.); Chin, Darrel (D.); Corbett, Sandra (S.M.); Dalbo, Bob (R.J.); De Pena, Juan (J.E.); Diaz, Timothy (T.P.); Facetti, Bob (R.J.); Fournelle, Gilbert (G.); Giles, Stuart (S.); Gokhale, Renuka (R.V.); Hansen, George (G.C.); Herr, George (G.J.); Hofman, Michael (M.V.); Holmes, Jeffrey (J.R.); Hurley, Robert (R.E.); Ichikawa, Jiyunichiro (J.); Jensen, Ted (T.E.); John McDonald (E-mail); Jones, Andy; Jordan, Donald (D.E.); Kanai, Shinji (S.); King, Robert (R.F.); Kostermann, Eric (E.); Kwon, Soon (S.K.); Limtiaco, Steven (S.); Linde, Peter (P.A.); Liu, Jane (J.); Luehrsen, Eric (E.A.); Marck, Edmond (E.C.); Matesa, John (J.); Maurer, James (J.B.); Mazzella, Gary (G.R.); Mooney, Larry (L.); Moorhouse, Scott (S.R.); Morgan, Tom; Morishima, Shigeaki (S.); Naveed Khan; Nematollahi, Sonya (S.); Nikolai, Bernie; Noteboom, Jim (J.E.); Oytman, James (J.W.); Powell, Cary; Powers, Ken (K.W.); Price, Martin (M.); Raquepau, Aiden (A.P.); Rothweller, Daniel (D.); Shah, Kiran (K.C.); Shiraishi, Masaru (M.); Stilgenbauer, Jeffrey (J.R.); Suarez, Rhoe (R.); Sullivan, Jamie (J.P.); Takasawa, Keith (K.D.); Takubo, Hiroichi (H.); Vecchio, Anna Maria (A.); Wakanell, Ray (R.A.); Williams, Les (LHW.); Williamson, David (D.E.); Yeung, Lem (L.)
Cc: Hermann, Thomas (T.J.); Diaz, Timothy (T.P.)
Subject: Meeting Minutes: EMC PSW Results for current production Kavlico DPFE

Meeting Minutes

Attendees:

Bob Dalbo (U204 V6 Calibration Supervisor)
Gilbert Fournelle (U204 V6 Calibration)
Les Williams (U204 Calibration)
Tom Hermann (EMC Supervisor)
Tim Diaz (EMC)

On Friday February 16, 2002 EMC PSW test data for current production Kavlico DPFE sensor was reviewed. Thomas Hermann has independently investigated the behavior of this sensor. Based on his investigations and this data, he concluded that the current production Kavlico DPFE sensor should not contribute to U204 stalling in the field due to RFI and coupled noise from the wiring harness.

Regards,
Les Williams
For More, Count on Les
U204 3.0L Powertrain Calibration
Truck Engine Engineering, Suite 1A820
Phone: (313)33-72503
Fax: (313) 32-31786

From: Hermann, Thomas (T.J.)
Sent: Wednesday, February 20, 2002 1:03 PM
To: Williams, Les (LHW.); Altoonlan, Don (D.J.); Amenda, Harry (H.F.); Badgley, Joel (J.K.); Bauer, Scott (S.C.); Bhojwani, Kamal (K.); Blackburn, Thomas (T.J.); Bogema, John (P.); 'Cary Powell'; Chick, John (J.); Chih, Ming-Niu (M.N.); Chin, Darrel (D.); Corbett, Sandra (S.M.); Dalbo, Bob (R.J.); De Pena, Juan (J.E.); Diez, Timothy (T.P.); Fascetti, Bob (R.J.); Fournelle, Gilbert (G.); Giles, Stuart (S.); Gokhale, Renuka (R.V.); Hansen, George (G.C.); Herr, George (G.J.); Hofman, Michael (M.V.); Holmes, Jeffrey (J.R.); Hurley, Robert (R.E.); Ichikawa, Jiyunichiro (J.); Jensen, Ted (T.E.); 'John McDonald (E-mail)'; Jones, Andy; Jordan, Donald (D.E.); Kanai, Shinji (S.); King, Robert (R.F.); Klostermann, Eric (E.); Kwon, Soon (S.K.); Lintaco, Steven (.); Linda, Peter (P.A.); Liu, Jane (J.); Luehrsen, Eric (E.A.); Marck, Edmond (E.C.); Matasa, John (J.); Maurer, James (J.B.); Mazzella, Gary (G.R.); Mooney, Larry (L.); Moorhouse, Scott (S.R.); 'Morgan, Tom'; Morishima, Shigeki (S.); 'Naveed Khan'; Nematollahi, Sonya (S.); 'Nikolai, Bernie'; Noteboom, Jim (J.E.); Ortman, James (J.W.); 'Powell, Cary'; Powers, Ken (K.W.); Price, Martin (M.); Raquesau, Aiden (A.P.); Rothweiler, Daniel (D.); Shah, Kiran (K.C.); Shirahshi, Masaru (M.); Stilgenbauer, Jeffrey (J.R.); Suarez, Rhee (R.); Sullivan, Jamie (J.P.); Takasawa, Keith (K.D.); Takubo, Hirochi (H.); Vecchio, Anne Marie (A.); Wakenell, Ray (R.A.); Williamson, David (D.E.); Yeung, Lam (.)
Cc: Diaz, Timothy (T.P.)
Subject: RE: Meeting Minutes: EMC PSW Results for current production Kavlico DPFE

Les, to further clarify what I said.

Current production Kavlico DPFE sensor should not contribute to U204 stalling in the field due to RFI.

On the issue of coupled noise from the wiring harness, the component EMC PSW data does not indicate any issues that would contribute to stalls (it passes the tests) however that does not mean a conducted issue could not exist from an unusual circumstance (such as ignition secondary breakdown or static build up on ungrounded parts).

---Original Message---

From: Williams, Les (LHW.)
Sent: Wednesday, February 20, 2002 12:06 PM
To: Altoonlan, Don (D.J.); Amenda, Harry (H.F.); Badgley, Joel (J.K.); Bauer, Scott (S.C.); Bhojwani, Kamal (K.); Blackburn, Thomas (T.J.); Bogema, John (P.); Cary Powell; Chick, John (J.); Chih, Ming-Niu (M.N.); Chin, Darrel (D.); Corbett, Sandra (S.M.); Dalbo, Bob (R.J.); De Pena, Juan (J.E.); Diez, Timothy (T.P.); Fascetti, Bob (R.J.); Fournelle, Gilbert (G.); Giles, Stuart (S.); Gokhale, Renuka (R.V.); Hansen, George (G.C.); Herr, George (G.J.); Hofman, Michael (M.V.); Holmes, Jeffrey (J.R.); Hurley, Robert (R.E.); Ichikawa, Jiyunichiro (J.); Jensen, Ted (T.E.); John McDonald (E-mail); Jones, Andy; Jordan, Donald (D.E.); Kanai, Shinji (S.); King, Robert (R.F.); Klostermann, Eric (E.); Kwon, Soon (S.K.); Lintaco, Steven (S.); Linda, Peter (P.A.); Liu, Jane (J.); Luehrsen, Eric (E.A.); Marck, Edmond (E.C.); Matasa, John (J.); Maurer, James (J.B.); Mazzella, Gary (G.R.); Mooney, Larry (L.); Moorhouse, Scott (S.R.); Morgan, Tom; Morishima, Shigeki (S.); Naveed Khan; Nematollahi, Sonya (S.); Nikolai, Bernie; Noteboom, Jim (J.E.); Ortman, James (J.W.); Powell, Cary; Powers, Ken (K.W.); Price, Martin (M.); Raquesau, Aiden (A.P.); Rothweiler, Daniel (D.); Shah, Kiran (K.C.); Shirahshi, Masaru (M.); Stilgenbauer, Jeffrey (J.R.); Suarez, Rhee (R.); Sullivan, Jamie (J.P.); Takasawa, Keith (K.D.); Takubo, Hirochi (H.); Vecchio, Anne Marie (A.); Wakenell, Ray (R.A.); Williams, Les (LHW.); Williamson, David (D.E.); Yeung, Lam (.)
Cc: Hermann, Thomas (T.J.); Diaz, Timothy (T.P.)
Subject: Meeting Minutes: EMC PSW Results for current production Kavlico DPFE

Meeting Minutes

Attendees:

Bob Dalbo (U204 V6 Calibration Supervisor)
Gilbert Fournelle (U204 V6 Calibration)
Les Williams (U204 Calibration)
Tom Hermann (EMC Supervisor)
Tim Diez (EMC)

On Friday February 15, 2002 EMC PSW test data for current production Kavlco DPFE sensor was reviewed. Thomas Hermann has independently investigated the behavior of this sensor. Based on his investigations and this data, he concluded that the current production Kavlco DPFE sensor should not contribute to U204 stalling in the field due to RFI and coupled noise from the wiring harness.

Regards,
Les Williams
For More, Count on Les
U204 3.0L Powertrain Calibration
Truck Engine Engineering, Suite 1AE20
Phone: (313)33-72503
Fax: (313) 32-31786

From: Diez, Timothy (T.P.)
Sent: Thursday, April 25, 2002 9:10 AM
To: Kwon, Soon (S.K.)
Cc: Nematollahi, Sonya (S.); Gokhale, Renuka (R.V.)
Subject: 2003MY U204 MAF concern

Soon,

Please review C11359467. Please forward to appropriate people.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-38827, Fax: 313-322-1802
e-mail: tdiez@ford.com

From: Kwon, Soon (S.K.)
Sent: Monday, May 13, 2002 1:37 PM
To: Nematollahi, Sonya (S.)
Cc: Dalbo, Bob (R.J.); Diez, Timothy (T.P.)
Subject: EMC test vehicle

Sonya, I understand Lear fixed the wiring harness in MPG for the EMC test vehicle. As you know we sent three guys up to MPG on an emergency basis last Wednesday and they verified everything else was Ok except wiring harness. Why do I have to send P/T guys to MPG to verify Electrical team's rework? I will have hard time convincing P/T management to sign off electrical rework.

Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 405, PDC Dearborn 48126
Phone (313) 322-6844, Fax
Pager (313) 795-1538, email: skwon@ford.com

From: Williamson, David (D.E.)
Sent: Wednesday, May 08, 2002 3:00 PM
To: Diez, Timothy (T.P.)
Cc: Kwon, Soon (S.K.)
Subject: EMC Testing

In lieu of Lear flip flopping the leads on the MPG vehicle, what date should we forecast for completion of EMC testing since Lear is now requested to put on Yazaki connector?

From: Kwon, Soon (S.K.)
Sent: Thursday, January 10, 2002 1:17 PM
To: Diaz, Timothy (T.P.)
Subject: Escape EMC

Tim, Morishima-san is not longer in U204 program and he has been transferred to Flat Rock plant. I am trying to arrange a meeting with him. Are yo available this afternoon ? I plan to bring him to Dearborn or audio.

I am at PDC now. Please confirm your availability this PM.

Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB30, MD 405, PDC Dearborn 48120
Phone (313) 322-6844, Fax
Pager (313) 795-1536, email: skwon@ford.com

From: Kwon, Soon (S.K.)
Sent: Thursday, April 25, 2002 9:24 AM
To: Dalbo, Bob (R.J.); Boals, Sandra (S.L.)
Cc: Nematollahi, Sonya (S.); Diez, Timothy (T.P.)
Subject: FW: 2003MY U204 MAF concern

Bob, any ideas why it failed EMC ?
Sandra, when was the new MAFS implemented ?

Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 405, PDC Dearborn 48129
Phone (313) 322-8844, Fax
Pager (313) 795-1336, email: skwon@ford.com

-----Original Message-----

From: Diez, Timothy (T.P.)
Sent: Thursday, April 25, 2002 9:10 AM
To: Kwon, Soon (S.K.)
Cc: Nematollahi, Sonya (S.); Gokhale, Renuka (R.V.)
Subject: 2003MY U204 MAF concern

Soon,

Please review C11359467. Please forward to appropriate people.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-89927, Fax: 313-322-1892
e-mail: tdiez@ford.com

From: Dalbo, Bob (R.J.)
Sent: Thursday, April 25, 2002 5:32 PM
To: Kwon, Soon (S.K.)
Cc: Fournelle, Gilbert (G.)
Subject: RE: 2003MY U204 MAF concern

I bow to Mr. Diaz's EMC experience. Is this the truck that had the old-design MAFS? We (Gilbert) provided a new one and haven't heard anything more. I don't know if the repeat testing was OK or not.

Bob Dalbo

3.0L Calibration Supervisor
Outfitters Calibration, NAT
Phone: (313) 24-84947 Fax: (313) 32-31788
Pager: (313) 795-2858 Email: rdalbo@ford.com

—Original Message—

From: Kwon, Soon (S.K.)
Sent: Thursday, April 25, 2002 5:25 PM
To: Dalbo, Bob (R.J.)
Subject: RE: 2003MY U204 MAF concern

Bob, a simple mistake by a technician created a lot of confusion and commotion in engineering community. I heard that MPG tested a Duratec vehicle and engine stalled due to their 2 way radio was operating at 23 MHz. Tim Diaz went ahead and raised a concern in a panic (I guess). They are retesting at MPG. What do you think ?

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 405, PDC Dearborn 48126
Phone (313) 322-6844, Fax
Pager (313) 795-1636, email: skwon@ford.com

—Original Message—

From: Dalbo, Bob (R.J.)
Sent: Thursday, April 25, 2002 11:35 AM
To: Kwon, Soon (S.K.)
Subject: RE: 2003MY U204 MAF concern

Soon,
What is this about?

Bob Dalbo

3.0L Calibration Supervisor
Outfitters Calibration, NAT
Phone: (313) 24-84947 Fax: (313) 32-31788
Pager: (313) 795-2858 Email: rdalbo@ford.com

—Original Message—

From: Kwon, Soon (S.K.)
Sent: Thursday, April 25, 2002 9:24 AM
To: Dalbo, Bob (R.J.); Boals, Sandra (S.L.)
Cc: Namakolahi, Sonya (S.); Diaz, Timothy (T.P.)
Subject: FW: 2003MY U204 MAF concern

Bob, any ideas why it failed EMC ?
Sandra, when was the new MAFS implemented ?

Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 405, PDC Dearborn 48126
Phone (313) 322-8844, Fax
Pager (313) 795-1536, email: skwon@ford.com

—Original Message—

From: Diaz, Timothy (T.P.)
Sent: Thursday, April 25, 2002 9:10 AM
To: Kwon, Soon (S.K.)
Cc: Nematoftahl, Sonys (S.); Gokhale, Renuka (R.V.)
Subject: 2003MY U204 MAF concern

Soon,

Please review C11359467. Please forward to appropriate people.

Sincerely,
Timothy Diaz
Cross Vehicle EMC Technology Applications
313-32-38927, Fax: 313-322-1892
e-mail: tdlez@ford.com

From: Diez, Timothy (T.P.)
Sent: Tuesday, May 07, 2002 12:17 PM
To: Altoonian, Don (D.J.)
Cc: Gokhale, Renuka (R.V.); Bodnar, Les (L.R.); Williamson, David (D.E.); Corbett, Sandra (S.M.); Nematollahi, Sonya (S.); Kwon, Soon (S.K.)
Subject: RE: ACT REQ: Duratec EMC Testing for DPFE Update

Don,

Do you know the way. It takes about 90 minutes from Dearborn. Let me know if you need directions.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-39827, Fax: 313-322-1892
e-mail: tdfiez@ford.com

—Original Message—

From: Nematollahi, Sonya (S.)
Sent: Tuesday, May 07, 2002 12:00 PM
To: Kwon, Soon (S.K.); Altoonian, Don (D.J.)
Cc: Diez, Timothy (T.P.); Gokhale, Renuka (R.V.); Bodnar, Les (L.R.); Williamson, David (D.E.); Corbett, Sandra (S.M.)
Subject: RE: ACT REQ: Duratec EMC Testing for DPFE Update

Thanks Soon.

Don, please meet Tim Diez at MPG at 6:30AM tomorrow morning. Thanks.

Tim, please confirm.

Sonya Nematollahi

Escape/Tribute/Maverick Electrical Team Leader
Phone: 33-79989
Pager: Text, 313-795-8332
email: snematol@ford.com

—Original Message—

From: Kwon, Soon (S.K.)
Sent: Tuesday, May 07, 2002 11:54 AM
To: Nematollahi, Sonya (S.)
Cc: Diez, Timothy (T.P.); Gokhale, Renuka (R.V.); Bodnar, Les (L.R.); Williamson, David (D.E.); Altoonian, Don (D.J.); Corbett, Sandra (S.M.)
Subject: RE: ACT REQ: Duratec EMC Testing for DPFE Update

Sonya, Don Altoonian can support. Pls inform him with your plan.

Thanks.

Regards,

Soon Kwon

Escapa/Tribute P/T OPD Supervisor

Compact Utility PTSE, TVC

2FB39, MD 405, PDC Dearborn 48126

Phone (313) 322-8844, Fax

Pager (313) 785-1536, email: skwon@ford.com

—Original Message—

From: Bodnar, Les (L.R.)

Sent: Monday, May 06, 2002 4:59 PM

To: Williamson, David (D.E.); Kwon, Soon (S.K.)

Cc: Diez, Timothy (T.P.); Nematollahi, Sonya (S.); Goldhale, Renuka (R.V.)

Subject: ACT REQ: Duratec EMC Testing for DPFE Update

Importance: High

Dave/Soon, due to failures on the above vehicle resulting from DPFE and MAF Sensor, a P/T diagnostics or trouble shooting expert is being requested to help identify and maybe explain why below requirement engine performance is occurring during Radiated Immunity testing. With the new DPFE installed, "stalls" are occurring at 40 Volts/meter with the latest MAFS versus a 50 V/m stall with the old DPFE. Also, this is in comparison to 57 V/m "stumble" that was found when the new MAFS was tested last November.

As this is a very critical issue, Tim Diez is trying to get chamber time booked for this Saturday (5/11 - earliest possible open time) to diagnose the reason for the frequency value decrease. The above expert will be needed to support in this effort, which Tim will confirm the date in a later note. Can you please identify who that person will be and ask that they be prepared to support. Thanks.

Regards,

Les Bodnar

NAT E/E Systems & EDS - 2003 U204

Phone & Fax: (313) 24-81686

E-Mail: lbodnar2@ford.com

Location: PDC 2H-F34

From: Nematollah, Sonya (S.)
Sent: Monday, May 13, 2002 2:17 PM
To: Kwon, Soon (S.K.)
Cc: Dalbo, Bob (R.J.); Diez, Timothy (T.P.)
Subject: RE: EMC test vehicle

Soon, Powertrain is driving this late change , you are familiar with what the change should be. We have send many of our engineers and Lear engineers to check the vehicle. We simply are asking before start of the vehicle EMC testing that someone from Powertrain to sign off on the vehicles, so we will not waste MPG and other activities time once more. We will not start the EMC test until someone from Powertrain signs off on the vehicles. Thanks for your support.

-----Original Message-----

From: Kwon, Soon (S.K.)
Sent: Monday, May 13, 2002 1:37 PM
To: Nematollah, Sonya (S.)
Cc: Dalbo, Bob (R.J.); Diez, Timothy (T.P.)
Subject: EMC test vehicle

Sonya, I understand Lear fixed the wiring harness in MPG for the EMC test vehicle. As you know we sent three guys up to MPG on an emergency basis last Wednesday and they verified everything else was Ok except wiring harness. Why do I have to send P/T guys to MPG to verify Electrical team's rework ? I will have hard time convincing P/T management to sign off electrical rework.

Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TYC
2FB36, MD 406, PDC Dearborn 48126
Phone (313) 322-6844, Fax
Pager (313) 795-1536, email: skwon@ford.com

From: Williamson, David (D.E.)
Sent: Monday, May 20, 2002 1:20 PM
To: Diez, Timothy (T.P.)
Cc: Bodnar, Les (L.R.); Nematollahi, Sonya (S.); Gokhale, Renuka (R.V.); Grimes, Jeff (J.R.); Corbett, Sandra (S.M.); Kwon, Soon (S.K.); Grandaa, Joseph (J.M.)
Subject: RE: EMC testing of 3.0L Escape

Thanks for update. What date can we expect final reports?

-----Original Message-----

From: Diez, Timothy (T.P.)
Sent: Monday, May 20, 2002 1:13 PM
To: Williamson, David (D.E.)
Cc: Bodnar, Les (L.R.); Nematollahi, Sonya (S.); Gokhale, Renuka (R.V.); Grimes, Jeff (J.R.); Corbett, Sandra (S.M.); Kwon, Soon (S.K.); Diez, Timothy (T.P.)
Subject: RE: EMC testing of 3.0L Escape

Testing is 98% complete. DPF is complete on the V6 308W330. No issues were found. The 2% testing that is going to be complete this week deals with the engine stall issue due to the IAC at frequencies from 6-12MHz and 20-25 MHz. The new EEC resolved the issue for the 20-25 MHz band. Confidence is high that it will resolve the issue for 6-12 MHz.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-39927, Fax: 313-322-1892
e-mail: tdiez@ford.com

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Monday, May 20, 2002 1:07 PM
To: Diez, Timothy (T.P.)
Cc: Bodnar, Les (L.R.); Nematollahi, Sonya (S.); Gokhale, Renuka (R.V.); Grimes, Jeff (J.R.); Corbett, Sandra (S.M.); Kwon, Soon (S.K.)
Subject: RE: EMC testing of 3.0L Escape
Importance: High

Are we on track? Reports for us today?

-----Original Message-----

From: Diez, Timothy (T.P.)
Sent: Tuesday, May 14, 2002 2:02 PM
To: Williamson, David (D.E.); Grimes, Jeff (J.R.)
Cc: Bodnar, Les (L.R.); Nematollahi, Sonya (S.); Gokhale, Renuka (R.V.)
Subject: RE: EMC testing of 3.0L Escape

Team,

The 3.0L Escape is not scheduled to go in until sometime Thursday. It is anticipated to be complete sometime Monday morning. I will report the result then. Thanks.

-----Original Message-----

From: Williamson, David (D.E.)
To: Grimes, Jeff (J.R.)
Cc: Diez, Timothy (T.P.)
Sent: 5/14/02 11:15 AM
Subject: RE: EMC testing of 3.0L Escape

Tim Diez said Zetec passed EMC (Brad's going out to sign off & pick up vehicles). He's scheduling chamber time for Duratec Wednesday. Hopefully we can have reports Thursday.

> -----Original Message-----

>From: Grimes, Jeff (J.R.)
>Sent: Tuesday, May 14, 2002 11:11 AM
>To: Williamson, David (D.E.)
>Subject: FW: EMC testing of 3.0L Escape

>
>Any updates?

>
>Jeff R.Grimes
>Duratec Engine Programs
>Ph: (313) 32-25237 Fax: (313) 59-47323
>email: jgrimes1@ford.com

> -----Original Message-----

>From: Jensen, Ted (T.E.)
>Sent: Tuesday, May 14, 2002 8:45 AM
>To: Grimes, Jeff (J.R.)
>Subject: EMC testing of 3.0L Escape

>
>Jeff,

>
>What is the present status of the EMC evaluation of the 3.0L Escape?
>Did a new wiring harness eliminate stalling?
>Bill Wettach has been attempting to contact Tim Diez to use/provide an
>independent driver for the IAC to determine if EM radiation degrades
>valve performance. Bill tells me that he did this exercise recently
>with a Mustang group. When the valve was connected to the independent
>driver there was no loss of valve function.

>
>Best Regards,

>
>Ted Jensen

>
>Trescott E. Jensen, Ph.D.
>6-Sigma Black Belt
>Staff Technical Specialist
>Chemical Engineering Department
>Ford Research Laboratory

>
>U.S. Mail / Internal Mail:

>Services:
>Ford Research Laboratory
>SRL / MD-3179
>2101 Village Road
>Dearborn, MI 48121-2053

>
>Phone: (313) 322-4598

Fed Ex & Other Delivery

Receiving R SRL Room 1317
2101 Village Road
Dearborn, MI 48124

>FAX: (313) 621-0646
>E-Mail: tjensen2@ford.com <mailto:tjensen2@ford.com>
>
>

From: Bodnar, Les (L.R.)
Sent: Monday, May 13, 2002 3:21 PM
To: Williamson, David (D.E.)
Cc: Gokhale, Renuka (R.V.); Grimes, Jeff (J.R.); Kwon, Soon (S.K.); 'tmorgan@lear.com'; Zigler, Brad (B.T.); Diaz, Timothy (T.P.); Grandas, Joseph (J.M.); Veenstra, Tim (T.W.);
Subject: RE: EMC Vehicle

Dave, please see my comments to your questions below.

Regards,

Les Bodnar

NAT E/E Systems & EDS - 2003 U204

Phone & Fax: (313) 24-81686

E-Mail: lbodnar2@ford.com

Location: PDC 2H-F34

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Monday, May 13, 2002 2:34 PM
To: Nematollahi, Sonya (S.)
Cc: Maxwell, Jerry (J.F.); Ohland, Jon (J.E.); Gokhale, Renuka (R.V.); Grimes, Jeff (J.R.); Lindbauer, Kenneth (K.J.); Kwon, Soon (S.K.); 'tmorgan@lear.com'; Bodnar, Les (L.R.); Zigler, Brad (B.T.); Diaz, Timothy (T.P.); Grandas, Joseph (J.M.); Veenstra, Tim (T.W.)
Subject: RE: EMC Vehicle

<< Message: FW: Lear changing DPFE wiring on Escape 308W330 >>

From today's Zetec EGR DVP&R status meeting, Brad Zigler will go to MPG to sign off Zetec & check vehicle with start. He'll talk to Joe Grandas to see if Joe will return to MPG for signoff or just send Tim a note with OK.

Additional questions I have for the attached note:

- If Tahir from Lear found the harness pinned OK the first time with the Motorola jumper when he first went out, then why did we have further problems? Was the failure due to the sloppy modification OR was it pinned correctly & reversed incorrectly? SEE COMMENT BELOW.
- Who directed the modification of the jumper? Les & I didn't change a thing and jumper was in pristine shape when we had it in our hands.
THIS DIRECTION PROBABLY RESULTED FROM THE GROUP THAT WAS INVOLVED WITH THE TESTING THAT WAS CONDUCTED LAST WEDNESDAY AT MPG. JOE GRANDAS HAD INDICATED IN A NOTE THAT THE VEHICLE HAD A JUMPER ON IT AND THAT THIS WAS NOT ACCEPTABLE FOR EMC TESTING. I SUSPECT THAT THE GROUP MADE THE MODIFICATION (MAYBE EXPLAINS THE NO-SOLDER, TAPED SPLICE) AND CHANGED THE PINOUT TO GET THE DPFE SYSTEM FUNCTIONING PROPERLY. CAN ANYONE CONFIRM THIS??
- What is status of Lear 8D? LEAR WAS NOT ASKED TO PROVIDE AN 8D FOR THIS DESIGN ISSUE - THEY WOULD HAVE BEEN ASKED ONLY IF IT WAS A QUALITY ISSUE.

-----Original Message-----

From: Nematollahi, Sonya (S.)
Sent: Monday, May 13, 2002 2:08 PM
To: Williamson, David (D.E.); Diaz, Timothy (T.P.); Grandas, Joseph (J.M.)
Cc: Maxwell, Jerry (J.F.); Ohland, Jon (J.E.); Gokhale, Renuka (R.V.); Grimes, Jeff (J.R.); Lindbauer, Kenneth (K.J.); Kwon, Soon (S.K.); 'tmorgan@lear.com'; Bodnar, Les (L.R.)
Subject: RE: EMC Vehicle

WE WILL NOT PERFORM ANY EMC TESTING IF POWERTRAIN DOES NOT SIGN OFF ON THIS. THIS IS NOT AN ADDITIONAL TRIP!

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Monday, May 13, 2002 9:24 AM
To: Diaz, Timothy (T.P.); Grandas, Joseph (J.M.); Nematollahi, Sonya (S.)
Cc: Maxwell, Jerry (J.F.); Ohland, Jon (J.E.); Goldhals, Renuka (R.V.); Grimes, Jeff (J.R.); Lindbauer, Kenneth (K.J.); Kwon, Soon (S.K.); 'tmorgan@lear.com'; Bodnar, Les (L.R.)
Subject: RE: EMC Vehicle

Tom Morgan, is the Yazaki connector now correctly spliced on the harnesses?

I agree on future signoffs between P/T & Electrical but the confusion on this vehicle came from the 1PP builds and with this vehicle having a Motorola jumper on it. I also suggest NO MORE Motorola jumpers for 2003MY test vehicles, only Lear harnesses with Yazaki connectors.

I don't think Joe needs to make an additional trip to MPG.

-----Original Message-----

From: Diaz, Timothy (T.P.)
Sent: Monday, May 13, 2002 9:16 AM
To: Williamson, David (D.E.)
Cc: Maxwell, Jerry (J.F.); Ohland, Jon (J.E.); Goldhals, Renuka (R.V.); Grimes, Jeff (J.R.); Lindbauer, Kenneth (K.J.); Kwon, Soon (S.K.); Grandas, Joseph (J.M.); 'tmorgan@lear.com'; Bodnar, Les (L.R.); Nematollahi, Sonya (S.)
Subject: RE: EMC Vehicle

Dave,

Somebody familiar with how the DPFE is to be installed needs to go up to MPG and sign-off on both the I4 and V6. I think that person is Joe Grandas.

Please have person contact Bob Kern when they arrive at the MPG security gate.

Thanks

Sincerely,
Timothy Diaz
Cross Vehicle EMC Technology Applications
313-32-39927, Fax: 313-322-1892
e-mail: tdiaz@ford.com

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Monday, May 13, 2002 8:56 AM
To: New, Kenneth Jarrett (K.J.); Nematollahi, Sonya (S.)
Cc: Maxwell, Jerry (J.F.); Ohland, Jon (J.E.); Goldhals, Renuka (R.V.); Grimes, Jeff (J.R.); Lindbauer, Kenneth (K.J.); Kwon, Soon (S.K.); Grandas, Joseph (J.M.); 'tmorgan@lear.com'; Diaz, Timothy (T.P.); Bodnar, Les (L.R.)
Subject: RE: EMC Vehicle

That makes sense.

Sonya, I agree sign-off should have been scheduled.

-----Original Message-----

From: New, Kenneth Jarrett (K.J.)
Sent: Monday, May 13, 2002 8:54 AM
To: Williamson, David (D.E.); Nematollahi, Sonya (S.)
Cc: Maxwell, Jerry (J.F.); Ohland, Jon (J.E.); Goldhals, Renuka (R.V.); Grimes, Jeff (J.R.); Lindbauer, Kenneth (K.J.); Kwon, Soon (S.K.); Grandas, Joseph (J.M.); 'tmorgan@lear.com'; Diaz, Timothy (T.P.); Bodnar, Les (L.R.)
Subject: RE: EMC Vehicle

David,

I believe the vehicle you are referring to is 308W248, which was sent to APG for durability testing. This note is in reference to an EMC unit at MPG. Different vehicle.

Regards,

K. Jarrett New

VEV Durability Engineering
U294 Durability Analysis & Verification
Phone: (313) 84-54888
Fax: (313) 24-88778
Pager: (313) 795-4902
knew@ford.com

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Monday, May 13, 2002 8:43 AM
To: Nematollahi, Sonya (S.); New, Kenneth Jarrett (K.J.)
Cc: Maxwell, Jerry (J.F.); Ohland, Jon (J.E.); Gokhale, Renuka (R.V.); Grimes, Jeff (J.R.); Lindbauer, Kenneth (K.J.); Kwon, Soon (S.K.); Grandas, Joseph (J.M.); 'tmorgan@lear.com'; Diez, Timothy (T.P.); Bodnar, Les (L.R.)
Subject: RE: EMC Vehicle

Signoff was not skipped. Electrical & Powertrain both signed off this vehicle at Roush.

-----Original Message-----

From: Nematollahi, Sonya (S.)
Sent: Thursday, May 09, 2002 12:03 AM
To: Williamson, David (D.E.); 'tmorgan@lear.com'; Diez, Timothy (T.P.); Bodnar, Les (L.R.)
Cc: Maxwell, Jerry (J.F.); Ohland, Jon (J.E.); Gokhale, Renuka (R.V.); Grimes, Jeff (J.R.); Lindbauer, Kenneth (K.J.); Kwon, Soon (S.K.); Grandas, Joseph (J.M.)
Subject: RE: EMC Vehicle

Tom, per our discussion earlier today, Lear checked and changed the DPFE on one vehicle @ MPG last week, you were not sure if it was the V6 or I4. Did you find out? Although my request to you last week was specifically for the V6, since I assumed I4 was done previously, I am not really sure what your tech did.

My question to the team is why wasn't the vehicle signed off before start of the test. Our group along with Powertrain and Lear should have checked the vehicle before start of the EMC testing. Skipping the sign off process causes a lot of headache for everyone, so much time was wasted today, MPG folks, Tim Diez's time and now we have to re-run the test.

Tim, my suggestion to you is not to run any vehicle level EMC in the future until everyone/all affected activities signs off on it.

Sonya Nematollahi

Escape/Tribute/Maverick Electrical Team Leader
Phone: 33-79969
Pager: Text, 313-795-8332
email: snematol@ford.com

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Wednesday, May 08, 2002 12:30 PM
To: Nematollahi, Sonya (S.); 'tmorgan@lear.com'
Cc: Maxwell, Jerry (J.F.); Ohland, Jon (J.E.); Gokhale, Renuka (R.V.); Grimes, Jeff (J.R.); Lindbauer, Kenneth (K.J.); Kwon, Soon (S.K.); Bodnar, Les (L.R.); Grandas, Joseph (J.M.)
Subject: RE: EMC Vehicle
Importance: High

Tom, MPG just called me and they said your guy swapped the connectors on a vehicle that has a Motorola jumper, so basically you now have a Kavlico connector with reversed leads.

Their request is to send your rep back out today, trash the jumper, and splice the Yazaki connector on the harness.

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Wednesday, May 08, 2002 11:05 AM
To: Nematollahi, Soroush (S.)
Cc: Maxwell, Jerry (J.F.); Ohland, Jon (J.E.); Gokhale, Renuka (R.V.); Grimes, Jeff (J.R.); Lindbauer, Kenneth (K.J.); Kwon, Soon (S.K.); Buchner, Les (L.R.)
Subject: RE: EMC Vehicle
Importance: High

I know you told Lear to change week of April 22. Did they respond?

-----Original Message-----

From: Grimes, Jeff (J.R.)
Sent: Wednesday, May 08, 2002 10:26 AM
To: Lindbauer, Kenneth (K.J.); Kwon, Soon (S.K.); Williamson, David (D.E.)
Cc: Maxwell, Jerry (J.F.); Ohland, Jon (J.E.); Gokhale, Renuka (R.V.)
Subject: EMC Vehicle
Importance: High

Escape at MPG is failing EMC testing. Wiring for DPFE is not correct...needs new connector.

Lear support is requested IMMEDIATELY...

Please call Tbob Kern x28589...ask to talk with Tim Deltz or Joe grandee

Jeff R.Grimes

Duratec Engine Programs

Ph: (313) 32-25237 Fax: (313) 59-47323

email: jgrimes1@ford.com

From: Diaz, Timothy (T.P.)
Sent: Friday, May 24, 2002 9:21 AM
To: Huck, Dave (D.E.); Kwon, Soon (S.K.); Sanders, Muriel (M.S.)
Cc: Dalbo, Bob (R.J.); Corbett, Sandra (S.M.); Shelton, Randy (R.); Lewis, Dennis (D.J.); Nematollahi, Sonya (S.); Bodnar, Lea (L.R.); Gates, Freeman (F.C.)
Subject: RE: Ford/Mazda Meeting

Dave,

The WERS concern corrects the engine stall issue caused by the IAC circuitry. Before installing the new EEC, we ran the test with the new DPFE sensor installed. No codes were set.

We dwell at each frequency for 6 seconds. The engine cycles at idle many times in that range. Also, Freeman Gates informed me before the test that if no codes were set, the DPFE sensor passed. Thanks.

Sincerely,
Timothy Diaz
Cross Vehicle EMC Technology Applications
313-32-39827, Fax: 313-322-1882
e-mail: tdiaz@ford.com

-----Original Message-----

From: Huck, Dave (D.E.)
Sent: Thursday, May 23, 2002 6:16 PM
To: Kwon, Soon (S.K.); Sanders, Muriel (M.S.); Diaz, Timothy (T.P.)
Cc: Dalbo, Bob (R.J.); Corbett, Sandra (S.M.); Shelton, Randy (R.); Lewis, Dennis (D.J.)
Subject: RE: Ford/Mazda Meeting

First, I want to caution people in relying on the setting of a code - most require the fault to be present on 2 consecutive drive cycles to illuminate the MIL. A pending code would set after one trip with a fault but that is what would need to be requested when interrogating the EEC. Secondly, many tests only run once per power up cycle and thus if successfully completed before the fault is induced, will NOT detect an error. The EGR monitor presently runs only once per drive cycle and I believe the IAC test does also. (The WERS notice adds a capacitor to correct an idle speed circuit noise issue yet the note below mentions the DPFE sensor not setting a code - need clarification.)

-----Original Message-----

From: Kwon, Soon (S.K.)
Sent: Thursday, May 23, 2002 10:38 AM
To: Sanders, Muriel (M.S.)
Cc: Dalbo, Bob (R.J.); Corbett, Sandra (S.M.); Huck, Dave (D.E.)
Subject: FW: Ford/Mazda Meeting

Please review the concern as it concerns the stall issue.
Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB38, MD 405, POC Dearborn 48128
Phone (313) 322-8844, Fax
Pager (313) 788-1538, email: skwon@ford.com

-----Original Message-----

From: Diaz, Timothy (T.P.)
Sent: Wednesday, May 22, 2002 4:05 PM

To: Williamson, David (D.E.)
Cc: Kwon, Soon (S.K.); Gates, Freeman (F.C.)
Subject: RE: Ford/Mazda Meeting

No DPFE codes were set during RI testing of the Duratec or the Zetec U204's. Freeman Gates informed me sometime ago that a code would be set if the DPFE sensor "failed".

Please review concern c11371349 regarding the engine stall issue. We have a resolution to the EMC failures occurring at Romeo. This fix should be tried and tested on an 14.

Thanks.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-39927, Fax: 313-322-1892
e-mail: tdiez@ford.com

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Wednesday, May 22, 2002 4:00 PM
To: Diez, Timothy (T.P.)
Cc: Kwon, Soon (S.K.)
Subject: RE: Ford/Mazda Meeting

Soon says he doesn't need you tomorrow but email reports today.

-----Original Appointment-----

From: Diez, Timothy (T.P.)
Sent: Wednesday, May 22, 2002 3:58 PM
To: Williamson, David (D.E.)
Subject: Declined: Ford/Mazda Meeting
When: Thursday, May 23, 2002 7:00 AM-8:30 AM (GMT-05:00) Eastern Time (US & Canada).
Where: Teleconference

From: Diez, Timothy (T.P.)
Sent: Tuesday, March 19, 2002 12:07 PM
To: Kwon, Soon (S.K.); Grandas, Joseph (J.M.); Dalbo, Bob (R.J.); Austin, James (J.E.); Plattenberger, Karl (K.J.)
Cc: Hofman, Michael (M.V.); Diez, Timothy (T.P.)
Subject: RE: Meeting Minutes: EMC PSW Results for current production Kavlico DPFE (U204)

Soon,

Brad Zigler contacted me about an I4 03MY Escape. He is shipping it to Romeo EMC.

I would like to see the component EMC tests. From what I understand additional testing is required.

-----Original Message-----

From: Kwon, Soon (S.K.)
To: Grandas, Joseph (J.M.); Dalbo, Bob (R.J.); Austin, James (J.E.); Diez, Timothy (T.P.); Plattenberger, Karl (K.J.)
Cc: Hofman, Michael (M.V.)
Sent: 3/19/02 11:47 AM
Subject: FW: Meeting Minutes: EMC PSW Results for current production Kavlico DPFE (U204)
Importance: High

Tim, we may have to fresh start with Escape.

Joe, can you share the Motorola DPFE EMC test results with Tim (I recall it was done by supplier already on your DVP&R) and supply necessary parts to him for testing.

Bob, Jim, any chance Tim can borrow your vehicle for EMC test with DPFE ?

Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 405, PDC Dearborn 48126
Phone (313) 322-6844, Fax
Pager (313) 795-1536, email: skwon@ford.com

> -----Original Message-----

> **From:** Plattenberger, Karl (K.J.)
> **Sent:** Tuesday, March 19, 2002 10:04 AM
> **To:** Kwon, Soon (S.K.)
> **Subject:** FW: Meeting Minutes: EMC PSW Results for current
> production Kavlico DPFE (U204)
> **Importance:** High

>
> Please respond with your thoughts and recommendations to the status
> below.

>
> Thank you,

>Karl Plattenberger
>U204 PTSE 2002 MY Project Management
>PDC 2F-B41
>Tel. : 313-390-4466
>kplatten@ford.com
>"There are no rules here. We're just trying to accomplish something."
>Thomas Edison

>
> -----Original Message-----
>From: Diez, Timothy (T.P.)
>Sent: Tuesday, March 19, 2002 9:03 AM
>To: Gokhale, Renuka (R.V.); Bodnar, Les (L.R.); Amro, Zaid (Z.);
>Plattenberger, Karl (K.J.); Gates, Freeman (F.C.)
>Cc: Diez, Timothy (T.P.); Hermann, Thomas (T.J.)
>Subject: RE: Meeting Minutes: EMC PSW Results for current
>production Kavlico DPFE (U204)
>Importance: High
>
>Team,
>
>The Escape, I learned this morning, is well underway to being completed
>for EMC testing. It is too late to retrofit with Motorola DPFE.
>
>However, Freeman Gates stated that the worst case scenario for the DPFE
>sensor would be testing it on the I4. I would like to discuss this
>with him further so that I may further understand the technical
>reasoning for this.
>
>For right now, I recommend the team obtain an O3MY I4 with Motorola
>DPFE sensor for me to test. I would like to reiterate that we still
>must complete component level EMC testing to an approved test plan to
>completely sign-off on this part.
>
>Sincerely,
>Timothy Diez
>Cross Vehicle EMC Technology Applications
>313-32-39927, Fax: 313-322-1892
>e-mail: tdiez@ford.com

>
> -----Original Message-----
>From: Gokhale, Renuka (R.V.)
>Sent: Monday, March 18, 2002 6:28 PM
>To: Bodnar, Les (L.R.); Amro, Zaid (Z.); Diez, Timothy (T.P.)
>Subject: FW: Meeting Minutes: EMC PSW Results for current
>production Kavlico DPFE (U204)
>
>Tim, Les, Zaid,
>How are we getting parts for this vehicle level test and who,when,
>where?
>
>Renuka Gokhale
>U204 - E/E Engineering Supervisor
>NAT -EESE
>Phone: 313-322-1275

>
>
> -----Original Message-----
>From: Diez, Timothy (T.P.)
>Sent: Friday, March 15, 2002 3:30 PM

>To: Diez, Timothy (T.P.); Gokhale, Renuka (R.V.); Jablonski, Gary
>(G.F.); Nematollahi, Sonya (S.); Bodnar, Les (L.R.); Amro, Zaid (Z.);
>Cosenza, Pat (P.D.); Jordan, Donald (D.E.); Grandas, Joseph (J.M.);
>Williamson, David (D.E.)
>Cc: Hermann, Thomas (T.J.); Diez, Timothy (T.P.)
>Subject: RE: Meeting Minutes: EMC PSW Results for current
>production Kavlico DPFE (U204)
>
>Team,
>
>I spoke to Joe Grandas yesterday. The powertrain activity needs to
>supply an approved test plan to the EMC activity. Also, considering
>this is a Class C function, I recommend a vehicle level test be done as
>well.
>
>Joe,
>Jerry Minifield, EMC engineer for the Mustang team, has been working
>with Mark Bronni, Motorola engineer, and Freeman Gates, powertrain
>tech. specialist, on a test plan. I encourage you to work with them to
>expedite the completion of that plan. Once that is done, Motorola
>needs to test the part according to that test plan and provide data to
>me. I will then confirm that the product is robust to EMC at the
>vehicle level.
>
>Sincerely,
>Timothy Diez
>Cross Vehicle EMC Technology Applications
>313-32-39927, Fax: 313-322-1892
>e-mail: tdiez@ford.com
>
> -----Original Message-----
>From: Diez, Timothy (T.P.)
>Sent: Tuesday, March 12, 2002 5:31 PM
>To: Gokhale, Renuka (R.V.); Jablonski, Gary (G.F.); Nematollahi,
>Sonya (S.); Bodnar, Les (L.R.); Amro, Zaid (Z.); Cosenza, Pat (P.D.);
>Jordan, Donald (D.E.); Grandas, Joseph (J.M.); Williamson, David (D.E.)
>Subject: RE: Meeting Minutes: EMC PSW Results for current
>production Kavlico DPFE
>
>Team,
>
>Joe Grandas is the D&R engineer for this part. I have called him twice
>today and did not hear back from him. My analysis of the risk to our
>program is based on my conversation with him.
>
>1) Has any EMC testing been done on the Motorola part? If yes, I
>would like to see the data. If no, I would like to get to work on
>approving a test plan and then executing testing according to that
>plan.
>
>2) I would also like to understand exactly how the DPFE sensor affects
>the operation of the vehicle. Is it a Class B function? Is it a class
>C function?
>My decision as to whether we can sign-off on component data only
>depends on the answer.
>
>Overall, there seems to be a lot of unanswered questions. More
>questions may arise as I find out more. I will try again to get in
>touch with Joe tomorrow.

>Thanks.

>

>Sincerely,

>Timothy Diez

>Cross Vehicle EMC Technology Applications

>313-32-39927, Fax: 313-322-1892

>e-mail: tdiez@ford.com

>

>-----Original Message-----

>From: Gokhale, Renuka (R.V.)

>Sent: Monday, March 11, 2002 5:46 PM

>To: Jablonski, Gary (G.F.); Nematollahi, Sonya (S.); Bodnar, Les
>(L.R.); Amro, Zaid (Z.); Cosenza, Pat (P.D.); Jordan, Donald (D.R.)

>Cc: Diez, Timothy (T.P.)

>Subject: FW: Meeting Minutes: EMC PSW Results for current

>production Kavlico DPFE

>

>Gary,

>Here is the note that I mentioned in the Design Review today. As I
>mentioned, I could not remember if it was in reference to the Motorola
>or Kavlico sensor. It is in reference to the PSW for Kavlico sensor.
>Tim Diez is going to talk to Dave Williamson tomorrow and look at the
>level of component EMC testing data available for the Motorola DPFE
>sensor and based on that he will be able to identify risk, if any for
>ESO and also whether we will need to redo a vehicle level EMC test with
>the new sensor (Thanks Tim!!). He will let Les know what the status is
>before Noon, if possible tomorrow.

>

>Renuka Gokhale

>U204 - E/E Engineering Supervisor

>NAT -EESE

>Phone: 313-322-1275

>

>

>-----Original Message-----

>From: Diez, Timothy (T.P.)

>Sent: Monday, March 11, 2002 5:35 PM

>To: Gokhale, Renuka (R.V.)

>Subject: FW: Meeting Minutes: EMC PSW Results for current

>production Kavlico DPFE

>

>FYI.

>

>Sincerely,

>Timothy Diez

>Cross Vehicle EMC Technology Applications

>313-32-39927, Fax: 313-322-1892

>e-mail: tdiez@ford.com

>

>-----Original Message-----

>From: Hermann, Thomas (T.J.)

>Sent: Wednesday, February 20, 2002 1:03 PM

>To: Williams, Les (LHW.); Altoonian, Don (D.J.); Amenda, Harry
>(H.F.); Badgley, Joel (J.K.); Bauer, Scott (S.C.); Bhojwani, Kamal
>(K.); Blackburn, Thomas (T.J.); Bogema, John (P.); 'Cary Powell'
>Chick, John (J.); Chih, Ming-Niu (M.N.); Chin, Darrel (D.); Corbett,
>Sandra (S.M.); Dalbo, Bob (R.J.); De Pena, Juan (J.E.); Diez, Timothy
>(T.P.); Fascetti, Bob (R.J.); Fournelle, Gilbert (G.); Giles, Stuart
>(S.); Gokhale, Renuka (R.V.); Hansen, George (G.C.); Herr, George

>(G.J.); Hofman, Michael (M.V.); Holmes, Jeffrey (J.R.); Hurley, Robert
>(R.E.); Ichikawa, Jiyunichiro (J.); Jensen, Ted (T.E.); John McDonald
>(E-mail); 'Jones, Andy'; Jordan, Donald (D.E.); Kanai, Shinji (S.);
>King, Robert (R.F.); Klostermann, Eric (E.); Kwon, Soon (S.K.);
>Limtiaco, Steven (S.); Linde, Peter (P.A.); Liu, Jane (J.); Luehrsen,
>Eric (E.A.); Marck, Edmond (E.C.); Matesa, John (J.); Maurer, James
>(J.B.); Mazzella, Gary (G.R.); Mooney, Larry (L.); Moorhouse, Scott
>(S.R.); 'Morgan, Tom'; Morishima, Shigeki (S.); 'Naveed Khan';
>Nematollahi, Sonya (S.); 'Nikolai, Bernie'; Noteboom, Jim (J.E.);
>Ortman, James (J.W.); 'Powell, Cary'; Powers, Ken (K.W.); Price, Martin
>(M.); Raquepau, Alden (A.P.); Rothweiler, Daniel (D.); Shah, Kiran
>(K.C.); Shiraishi, Masaru (M.); Stilgenbauer, Jeffrey (J.R.); Suarez,
>Rhae (R.); Sullivan, Jamie (J.P.); Takasawa, Keith (K.D.); Takubo,
>Hiroichi (H.); Vecchio, Anne Marie (A.); Wakenell, Ray (R.A.);
>Williamson, David (D.E.); Yeung, Lem (.)
>Cc: Diez, Timothy (T.P.)

>Subject: RE: Meeting Minutes: EMC PSW Results for current
>production Kavlico DPFE

>Les, to further clarify what I said.

>Current production Kavlico DPFE sensor should not contribute to U204
>stalling in the field due to RFI.

>On the issue of coupled noise from the wiring harness, the component
>EMC PSW data does not indicate any issues that would contribute to
>stalls (it passes the tests) however that does not mean a conducted
>issue could not exist from an unusual circumstance (such as ignition
>secondary breakdown or static build up on ungrounded parts).

> -----Original Message-----

>From: Williams, Les (LHW.)

>Sent: Wednesday, February 20, 2002 12:06 PM

>To: Altoonian, Don (D.J.); Amenda, Harry (H.F.); Badgley, Joel
>(J.K.); Bauer, Scott (S.C.); Bhojwani, Kamal (K.); Blackburn, Thomas
>(T.J.); Bogema, John (P.); Cary Powell; Chick, John (J.); Chih,
>Ming-Niu (M.N.); Chin, Darrel (D.); Corbett, Sandra (S.M.); Dalbo, Bob
>(R.J.); De Pena, Juan (J.E.); Diez, Timothy (T.P.); Fascetti, Bob
>(R.J.); Fournelle, Gilbert (G.); Giles, Stuart (S.); Gokhale, Renuka
>(R.V.); Hansen, George (G.C.); Herr, George (G.J.); Hofman, Michael
>(M.V.); Holmes, Jeffrey (J.R.); Hurley, Robert (R.E.); Ichikawa,
>Jiyunichiro (J.); Jensen, Ted (T.E.); John McDonald (E-mail); Jones,
>Andy; Jordan, Donald (D.E.); Kanai, Shinji (S.); King, Robert (R.F.);
>Klostermann, Eric (E.); Kwon, Soon (S.K.); Limtiaco, Steven (S.);
>Linde, Peter (P.A.); Liu, Jane (J.); Luehrsen, Eric (E.A.); Marck,
>Edmond (E.C.); Matesa, John (J.); Maurer, James (J.B.); Mazzella, Gary
>(G.R.); Mooney, Larry (L.); Moorhouse, Scott (S.R.); Morgan, Tom;
>Morishima, Shigeki (S.); Naveed Khan; Nematollahi, Sonya (S.); Nikolai,
>Bernie; Noteboom, Jim (J.E.); Ortman, James (J.W.); Powell, Cary;
>Powers, Ken (K.W.); Price, Martin (M.); Raquepau, Alden (A.P.);
>Rothweiler, Daniel (D.); Shah, Kiran (K.C.); Shiraishi, Masaru (M.);
>Stilgenbauer, Jeffrey (J.R.); Suarez, Rhae (R.); Sullivan, Jamie
>(J.P.); Takasawa, Keith (K.D.); Takubo, Hiroichi (H.); Vecchio, Anne
>Marie (A.); Wakenell, Ray (R.A.); Williams, Les (LHW.); Williamson,
>David (D.E.); Yeung, Lem (.)

>Cc: Hermann, Thomas (T.J.); Diez, Timothy (T.P.)

>Subject: Meeting Minutes: EMC PSW Results for current production
>Kavlico DPFE

>
>Meeting Minutes

>
>Attendees:

>Bob Dalbo (U204 V6 Calibration Supervisor)
>Gilbert Fournelle (U204 V6 Calibration)
>Les Williams (U204 Calibration)
>Tom Hermann (EMC Supervisor)
>Tim Diez (EMC)

>
>
>On Friday February 15, 2002 EMC PSW test data for current production
>Kavlico DPFE sensor was reviewed. Thomas Hermann has independently
>investigated the behavior of this sensor. Based on his investigations
>and this data, he concluded that the current production Kavlico DPFE
>sensor should not contribute to U204 stalling in the field due to RFI
>and coupled noise from the wiring harness.

>
>Regards,
>Les Williams
>For More, Count on Les
>U204 3.0L Powertrain Calibration
>Truck Engine Engineering, Suite 1AE20
>Phone: (313)33-72503
>Fax: (313) 32-31786

>
>

From: Williamson, David (D.E.)
Sent: Thursday, May 23, 2002 3:47 PM
To: Kern, Bob (R.S.)
Cc: Diez, Timothy (T.P.); Zigler, Brad (B.T.); Kays, Rick (R.R.); Kwon, Soon (S.K.)
Subject: RE: U204 EMC Report

Bob, I'll be off program as of tomorrow. If you can summarize reports, please email smaller version to Rick Kays, Soon Kwon, & Brad Zigler. Thanks.

-----Original Message-----

From: Kern, Bob (R.S.)
Sent: Thursday, May 23, 2002 2:56 PM
To: Williamson, David (D.E.)
Cc: Diez, Timothy (T.P.)
Subject: RE: U204 EMC Report

David,

Due to the large file size(>6Mbyte) the EMC test reports are uploaded on AV5000 server that EESE uses. Tim can get you access to the server. As for estimated completion of the reports, I may be able to have them completed by 5/31/02. Tim has been given preliminary raw data.

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Thursday, May 23, 2002 11:25 AM
To: Kern, Bob (R.S.)
Cc: Kwon, Soon (S.K.); Corbett, Sandra (S.M.); Diez, Timothy (T.P.); Zigler, Brad (B.T.)
Subject: U204 EMC Report

Hi Bob. Please email us with copy of EMC report for Duratec & Zetec U204 when complete. When do you expect completion? Thanks.

From: Diez, Timothy (T.P.)
Sent: Thursday, June 13, 2002 8:18 AM
To: McGee, Brett (B.L.)
Cc: Kwon, Soon (S.K.); Williamson, David (D.E.); Corbett, Sandra (S.M.); Ichikawa, Jiyunichiro (J.)
Subject: RE: U204 test report - Vehicle 308W330 -EMC test report for U204 (DPFE Resourcing)

Brett,

I ran the I4 and V6 through radiated immunity testing and no DPFE codes were set.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-39927, Fax: 313-322-1892
e-mail: tdiez@ford.com

-----Original Message-----

From: McGee, Brett (B.L.)
Sent: Wednesday, June 12, 2002 10:00 PM
To: Diez, Timothy (T.P.)
Cc: Kwon, Soon (S.K.); Williamson, David (D.E.); Corbett, Sandra (S.M.); Ichikawa, Jiyunichiro (J.)
Subject: RE: U204 test report - Vehicle 308W330 -EMC test report for U204 (DPFE Resourcing)

Tim, thank you for the update -- when will the report be available?

Otherwise, can you simply give us the data and a statement that it passed? (and I will attempt to get Mazda to accept this as a surrogate, pending the official report).

Mazda views this on the critical path before getting the DPFE resourcing Mazda Engineering Change Notice released.

Brett McGee
Ford Resident Engineer - Hofu Assembly Plant
e-mail: bmcgee@ford.com
Telephone: 011-81-82-287-1095
Fax: 011-81-82-287-5399

-----Original Message-----

From: Diez, Timothy (T.P.)
Sent: Thursday, June 13, 2002 12:48 AM
To: McGee, Brett (B.L.)
Subject: U204 test report - Vehicle 308W330

This test report is not available yet. Thanks.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-39927, Fax: 313-322-1892
e-mail: tdiez@ford.com

From: Williamson, David (D.E.)
Sent: Monday, May 13, 2002 5:21 PM
To: Diaz, Timothy (T.P.)
Cc: Kwon, Soon (S.K.); Nematollahi, Sonya (S.); Bodnar, Les (L.R.); Kaye, Rick (R.R.)
Subject: RE: Zetec EMC Test Report

Importance: High

Is that because you are issuing Duratec & Zetec reports at same time?

If so, assuming you run Duratec chamber time Wednesday, would both reports be ready Thursday May 16?
We need to give status report to Rick for ESO.

Thanks.

-----Original Message-----

From: Diaz, Timothy (T.P.)
Sent: Monday, May 13, 2002 5:16 PM
To: Williamson, David (D.E.)
Cc: Kwon, Soon (S.K.); Nematollahi, Sonya (S.); Bodnar, Les (L.R.)
Subject: RE: Zetec EMC Test Report

Dave,

I still need to get chamber time. I will have no report for you tomorrow.
Thanks.

Sincerely,
Timothy Diaz
Cross Vehicle EMC Technology Applications
313-32-38927, Fax: 313-322-1682
e-mail: tdiaz@ford.com

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Monday, May 13, 2002 5:08 PM
To: Diaz, Timothy (T.P.)
Cc: Kwon, Soon (S.K.); Nematollahi, Sonya (S.); Bodnar, Les (L.R.)
Subject: Zetec EMC Test Report
Importance: High

Tim, with Brad Zigler signing off tomorrow, please email copy of test report to Soon & me tomorrow.
Thanks.

From: Diez, Timothy (T.P.)
Sent: Monday, November 19, 2001 3:39 PM
To: Nematollahi, Sonya (S.)
Cc: Kwon, Soon (S.K.)
Subject: Summary of EMC results on Powertrain's Engine Stall Issue

Sonya,

At today's meeting, I reported that Radiated Immunity Testing revealed engine stumbles and stalls at the following frequencies:

20-22 MHz	80 V/m	Engine Stumble
7-10 MHz	50 V/m	Engine Stall

Visteon provided a fixed MAF sensor for the 7-10 MHz issue.

An on-board transmitter which operated at 21 MHz was installed in the vehicle and no vehicle level issues were found. The on board transmitter test provides a real world scenario for something the vehicle might see in its environment.

I would like to reiterate that these EMC issues could NEVER possibly account for the number of engine issues we are seeing in the field. Also, it has been expressed that the team would like to fix the part of the issue that could be attributed to EMC. Our team has accomplished this. We fixed the issue for the 7-10 MHz range and have demonstrated that the anechoic chamber failure at 20-22 MHz is not representative of what the customer might see. The on board test is representative of what the customer might see.

Let me know if I may contribute to this effort in any further way.

Thank you.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-39927, Fax 313-322-1892
e-mail: tdiez@ford.com

From: Williamson, David (D.E.)
Sent: Monday, May 13, 2002 5:08 PM
To: Diaz, Timothy (T.P.)
Cc: Kwon, Soon (S.K.); Nematollahi, Sonya (S.); Bodnar, Les (L.R.)
Subject: Zetec EMC Test Report

Importance: High

Tim, with Brad Zigler signing off tomorrow, please email copy of test report to Soon & me tomorrow.
Thanks.

From: Kwon, Soon (S.K.)
Sent: Thursday, January 10, 2002 3:13 PM
To: Diez, Timothy (T.P.)
Subject: RE: Summary of EMC results on Powertrain's Engine Stall Issue

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 405, PDC Dearborn 48128
Phone (313) 322-8844, Fax
Pager (313) 795-1536, email: skwon@ford.com

—Original Message—

From: Diez, Timothy (T.P.)
Sent: Monday, November 19, 2001 3:39 PM
To: Nametolahti, Sonya (S.)
Cc: Kwon, Soon (S.K.)
Subject: Summary of EMC results on Powertrain's Engine Stall Issue

Sonya,

At today's meeting, I reported that Radiated Immunity Testing revealed engine stumbles and stalls at the following frequencies:

20-22 MHz	60 V/m	Engine Stumble
7-10 MHz	50 V/m	Engine Stall

Visteon provided a fixed MAF sensor for the 7-10 MHz issue. An on-board transmitter which operated at 21 MHz was installed in the vehicle and no vehicle level issues were found. The on board transmitter test provides a real world scenario for something the vehicle might see in its environment.

I would like to reiterate that these EMC issues could NEVER possibly account for the number of engine issues we are seeing in the field. Also, it has been expressed that the team would like to fix the part of the issue that could be attributed to EMC. Our team has accomplished this. We fixed the issue for the 7-10 MHz range and have demonstrated that the anechoic chamber failure at 20-22 MHz is not representative of what the customer might see. The on board test is representative of what the customer might see.

Let me know if I may contribute to this effort in any further way.

Thank you.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-39927, Fax: 313-322-1882
e-mail: tdiez@ford.com

From: Takeshi Inoue (PT Controls) [inoue.t@pt.mazda.co.jp]
Sent: Thursday, January 17, 2002 5:30 AM
To: ???
Cc: junichirou ichikawa; "PT???;??G"; Shiraiishi, Masaru (M.); "PT???;??S"; "PT??;??E"; "PT??;??S"; Szczepanski, Kyoko (K.); "4P&PMO;??G"; Inoue, Hiroshi (H.); Kwon, Soon (S.K.); Williamson, David (D.E.); Murakami, Junko (J.)
Subject: Re: U204 AJD Stall Issue Meeting with Hiroshima.

Kenichiro Tanaka-san,

Did you approve/ get the approval of WERS C11299286?
You promised to complete the process by Japan COB.
But, I cannot find your comments in C11299286.

Regards,
Takeshi Inoue @ Hiroshima Japan

----- Original Message -----

From: "junichirou ichikawa" <ichikawa.j@pt.mazda.co.jp>
To: "PTプロ開 ; 田窪G'" <takubo.h@dev.mazda.co.jp>; "Core Team ; 白石S'" <shiraishi.m@pt.mazda.co.jp>; "PTプロ開 ; 濱野S'" <hamano.n@eng.mazda.co.jp>; "PT制設 ; 城戸M'" <kido.y@pt.mazda.co.jp>; "PT制設 ; 井上S'" <inoue.t@pt.mazda.co.jp>; "PT制設 ; 木原E'" <kihara.t@pt.mazda.co.jp>; "PT制設 ; 門脇S'" <kadowaki.t@pt.mazda.co.jp>; "PT制設 ; 田中さん'" <tanaka.ke@elec.mazda.co.jp>; "Core Team ; 恭子さん'" <kszczepa@ford.com>; "4P&PMO ; 川崎G'" <kawasaki.sh@dev.mazda.co.jp>; "海外・OEM品質Gr ; 三戸M'" <mito.s@qa.mazda.co.jp>; "ハーネス開 ; 山崎S'" <yamasaki.m@dev.mazda.co.jp>; "D研 ; 網本S'" <aminoto.n@elec.mazda.co.jp>
Cc: "MNAO ; 森島さん'" <morishima.s@dev.mazda.co.jp>
Sent: Tuesday, January 16, 2002 2:09 PM
Subject: FW: U204 AJD Stall Issue Meeting with Hiroshima.

----- Original Message -----

From: Shiraiishi, Masaru [SMTP:driveline@earthlink.net]
Sent: Tuesday, January 15, 2002 2:57 AM
To: J14Z Inoue, Hiroshi; U204 Kwon, Soon; U204 Plattenberger, Karl; U204 Williamson, David
Cc: PTP Hamano, Naotmi; PTP Ichikawa, Junichiro; PTP Takubo, Hiroichi
Subject: U204 AJD Meeting with Hiroshima.

Thank you for your support.

This is meeting notice for U204 AJD Stall Issue.
Date US 16-Jan-2002 (WED) 6:00 PM-
JPN 17-Jan-2002 (THU) 8:00 AM-

Agenda

- 1) MAF change
- 2) IAC Calibration change
- 3) IAC Valve change
- 4) PCV Change

Tel US 877-877-7127
FORD #954-1122
INT 630-424-2071
Pass Code #864-3917
Moderate Code #169-8917

Kwon-san, Takubo-san, Ichikawa-san
Please inform this to the related person of FORD and MAZDA.

Takubo-san, Ichikawa-san
If you have special to discuss at this meeting, please inform to
Kwon-san before meeting.

Masaru Shiraishi
Mazda North American Operations
U204 Core Team
Transmission and Driveline
Tel 313-845-1163
Fax 313-845-9162

From: Diez, Timothy (T.P.)
Sent: Friday, January 11, 2002 1:46 PM
To: Williams, Les (LHW.); Altoonien, Don (D.J.); Amenda, Harry (H.F.); Badgley, Joel (J.K.); Bhojwani, Kamal (K.); Blackburn, Thomas (T.J.); Bogema, John (P.); 'Cary Powell'; Chick, John (J.); Chih, Ming-Niu (M.N.); Chin, Darrel (D.); Corbett, Sandra (S.M.); Dalbo, Bob (R.J.); De Pena, Juan (J.E.); Fascetti, Bob (R.J.); Fournelle, Gilbert (G.); Gilles, Stuart (S.); Gokhale, Renuka (R.V.); Hansen, George (G.C.); Herr, George (G.J.); Hofman, Michael (M.V.); Holmes, Jeffrey (J.R.); Hurley, Robert (R.E.); Ichikawa, Jhyunichiro (J.); Jensen, Ted (T.E.); John McDonald (E-mail); 'Jones, Andy'; Jordan, Donald (D.E.); Kanai, Shinji (S.); King, Robert (R.F.); Kostermann, Eric (E.); Kwon, Soon (S.K.); Limtiaco, Steven (.); Linde, Peter (P.A.); Liu, Jane (J.); Luehrsen, Eric (E.A.); Marck, Edmond (E.C.); Matesa, John (J.); Mazzella, Gary (G.R.); Mooney, Larry (L.); Moorhouse, Scott (S.R.); 'Morgan, Tom'; Morishima, Shigeki (S.); 'Navved Khan'; Nematollahi, Sonya (S.); 'Nikolai, Bernie'; Noteboom, Jim (J.E.); Ortman, James (J.W.); 'Powell, Cary'; Powers, Ken (K.W.); Price, Martin (M.); Raquepau, Alden (A.P.); Rothweller, Daniel (D.); Shah, Kiran (K.C.); Shiralshi, Masaru (M.); Stilgenbauer, Jeffrey (J.R.); Suarez, Rhee (R.); Sullivan, Jamie (J.P.); Takasawa, Keith (K.D.); Takubo, Hiroichi (H.); Vecchio, Anne Marie (A.); Wakenell, Ray (R.A.); Williamson, David (D.E.); Yeung, Lam (.)
Subject: RE: Phantom Stall Meeting Minutes 1/10/02

Les,

I gave the data to Morishima.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-39927, Fax: 313-322-1892
e-mail: tdiez@ford.com

—Original Message—

From: Williams, Les (LHW.)
Sent: Friday, January 11, 2002 12:27 PM
To: Altoonien, Don (D.J.); Amenda, Harry (H.F.); Badgley, Joel (J.K.); Bhojwani, Kamal (K.); Blackburn, Thomas (T.J.); Bogema, John (P.); Cary Powell; Chick, John (J.); Chih, Ming-Niu (M.N.); Chin, Darrel (D.); Corbett, Sandra (S.M.); Dalbo, Bob (R.J.); De Pena, Juan (J.E.); Diez, Timothy (T.P.); Fascetti, Bob (R.J.); Fournelle, Gilbert (G.); Gilles, Stuart (S.); Gokhale, Renuka (R.V.); Hansen, George (G.C.); Herr, George (G.J.); Hofman, Michael (M.V.); Holmes, Jeffrey (J.R.); Hurley, Robert (R.E.); Ichikawa, Jhyunichiro (J.); Jensen, Ted (T.E.); John McDonald (E-mail); Jones, Andy; Jordan, Donald (D.E.); Kanai, Shinji (S.); King, Robert (R.F.); Kostermann, Eric (E.); Kwon, Soon (S.K.); Limtiaco, Steven (S.); Linde, Peter (P.A.); Liu, Jane (J.); Luehrsen, Eric (E.A.); Marck, Edmond (E.C.); Matesa, John (J.); Mazzella, Gary (G.R.); Mooney, Larry (L.); Moorhouse, Scott (S.R.); Morgan, Tom; Morishima, Shigeki (S.); Navved Khan; Nematollahi, Sonya (S.); Nikolai, Bernie; Noteboom, Jim (J.E.); Ortman, James (J.W.); Powell, Cary; Powers, Ken (K.W.); Price, Martin (M.); Raquepau, Alden (A.P.); Rothweller, Daniel (D.); Shah, Kiran (K.C.); Shiralshi, Masaru (M.); Stilgenbauer, Jeffrey (J.R.); Suarez, Rhee (R.); Sullivan, Jamie (J.P.); Takasawa, Keith (K.D.); Takubo, Hiroichi (H.); Vecchio, Anne Marie (A.); Wakenell, Ray (R.A.); Williams, Les (LHW.); Williamson, David (D.E.); Yeung, Lam (.)
Subject: Phantom Stall Meeting Minutes 1/10/02

Assigned items for next Tuesday's stall meeting:

1. Tim Dietz: EMC data sent to appropriate parties in Japan for Mazda MAF approval (refer to email sent out this week from Shiralshi-san)
2. Scott Moorhouse: Inverted delta items at KCAP: Grounds
3. Scott Moorhouse: On-Line testing at KCAP
4. Cary Powell, Ming Chih: Air leak test data on two hung open check valves
5. Les Williams, Jamie Sullivan: MAF Status
6. Ted Jensen: IAC valve update
7. Steve Limtiaco/Les Williams: Updated R/1000 for stalls

Have a great weekend.

<< File: Vehicle Stall Meeting Minutes for 1_10_02.doc >>

Regards,
Les Williams
For More, Count on Les
U204 3.0L Powertrain Calibration
Truck Engine Engineering, Suite 1AE20
Phone: (313)33-72503
Fax: (313) 32-31786

From: Diez, Timothy (T.P.)
Sent: Thursday, January 10, 2002 9:17 AM
To: Diez, Timothy (T.P.); Kwon, Soon (S.K.)
Subject: RE: EMC

Soon,

Would you please forward this note to Morishima? The e-mail address below is not working.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-39927, Fax: 313-322-1892
e-mail: tdiez@ford.com

-----Original Message-----

From: Diez, Timothy (T.P.)
Sent: Thursday, January 10, 2002 9:12 AM
To: Kwon, Soon (S.K.); 'morishima.s@mazda.co.jp'
Subject: RE: EMC

Morishima,

Please stop by my desk some time today to pick up the data. Thanks.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-39927, Fax: 313-322-1892
e-mail: tdiez@ford.com

-----Original Message-----

From: Kwon, Soon (S.K.)
Sent: Thursday, January 10, 2002 8:50 AM
To: Diez, Timothy (T.P.)
Subject: RE: EMC

Tim, did you get a copy of EMC test results to Morishima-san ? If not can you get it to him today ?

Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 405, PDC Dearborn 48126
Phone (313) 322-6844, Fax
Pager (313) 795-1536, email: skwon@ford.com

-----Original Message-----

From: Diez, Timothy (T.P.)
Sent: Thursday, November 29, 2001 4:12 PM
To: 'morishima.s@mazda.co.jp'; Kwon, Soon (S.K.); Diez, Timothy (T.P.);
Hermann, Thomas (T.J.)
Cc: Amimoto, Norishige (N.); Yatsuka, Seiji (S.)
Subject: RE: EMC

Mr. Shigeki Morishima,

- 1) I have the EMC test results. I can bring a copy to the next U204 PMT.
- 2) I do not have the output signal curve on the MAF for this vehicle.
- 3) The 7-10MHz band is a band commonly used by HAM radio operators (7.055 MHz specifically). This frequency would be seen by vehicles with on-board transmitters.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-39927, Fax: 313-322-1892
e-mail: tdiez@ford.com

-----Original Message-----

From: Shigeki Morishima [mailto:morishima.s@mazda.co.jp]
Sent: Monday, November 26, 2001 7:09 PM
To: 'Kwon, Soon (S.K.)'; Diez Timothy (?????); thermann@ford.com
Cc: Amimoto Norishige (?????); Yatsuka Seiji (?????)
Subject: RE: EMC

Tim,

After the last meeting, I discussed with our EMC expert, Amimoto san in Hiroshima. He is very interested in your Ford EMC test result, especially 7 to 10MHz failure which he can not evaluate in their own facility. We also should be concerned about RHD vehicle. Could you please provide following information to Mazda.

1. Vehicle EMC test data by Ford in case of failure, 7 to 10MHz, 23 to 25MHz broad band.
2. Out put signal curve on MAFS at that case.
3. Where such a strong electric wave can be received in US? If you identified the place or situation, let us know.

Thanks,
Shigeki Morishima
Mazda North American Operations
+1-313-39-00762

-----Original Message-----

From: Kwon, Soon (S.K.) [mailto:skwon@ford.com]
Sent: Monday, November 19, 2001 5:25 PM
To: Morishima, Shigeki (S.)
Subject:

Morishima-san, thank you for coming to the meeting today and sharing info with us.

Tom Hermann also requested to get the component EMC test data like, MAF, IAC, DPFE, EVR etc. Do you have component level data?

Thanks.

Regards,

Soon Kwon

Escape/Tribute P/T OPD Supervisor

Compact Utility PTSE, TVC

452F WPC, 5111 Auto Club Drive, Dearborn 48126

Phone (313) 322-6844, Fax (313) 323-1153

Pager (888) 375-6922, email: skwon@ford.com

From: Altoonian, Don (D.J.)
Sent: Thursday, November 01, 2001 4:36 PM
To: Hermann, Thomas (T.J.)
Cc: Kwon, Soon (S.K.); Hofman, Margaret (M.); Williams, Les (LHW.)
Subject: RE: Omaha stall location

Tom, I sent Tom the Omaha data after he was given the other locations. As far as the two way radios go we asked the dealerships to check with the customers and they all came back negative. As far as the ISC being the problem, we are not discounting or dismissing anything at this point

-----Original Message-----

From: Hermann, Thomas (T.J.)
Sent: Thursday, November 01, 2001 4:21 PM
To: Altoonian, Don (D.J.)
Subject: RE: Omaha stall location

My discussions were with a Tom Blackburn and the stalls were occurring in Alabama, Texas, Hawaii and California. Did any of the suspect vehicles have a 2-way radio installed? The common thread I am seeing is that everyone seems to be decelerating to a stop. Is the team sure it is not an idle air bypass issue?

-----Original Message-----

From: Altoonian, Don (D.J.)
Sent: Thursday, November 01, 2001 4:05 PM
To: Hermann, Thomas (T.J.)
Cc: Kwon, Soon (S.K.); Hofman, Michael (M.V.); Williams, Les (LHW.)
Subject: Omaha stall location

Tom, I gave all this info to Tim Blackburn a month ago. But here it is again.

The one vehicle stalled decelerating down hill to a lite next to three large T.V. towers and on Doppler radar tower. The second vehicle stalled twice when decelerating to a stop next to one of the Omaha Power Co's substations. There is a car in Denver that stalled numerous times outside of a power substation, and Mazda has a vehicle that has stalled at a large congestion of powerlines in Calif.

On other thing could be contributing to the high stall rate in the Omaha area is that there is a SAC base about 10 miles to the southeast of town.

From: McDonald, John (J.R.) [jmc dona3@visteon.com]
Sent: Wednesday, November 28, 2001 2:55 PM
To: Williams, Les (LHW.); Kwon, Soon (S.K.)
Cc: Dalbo, Bob (R.J.); Fournelle, Gilbert (G.); Nikolai, Bernie (B.E.)
Subject: RE: components EMC

Les,
Bernie is trying to track that down at the moment.

-----Original Message-----

From: Williams, Les (LHW.) [mailto:lwilli73@ford.com]
Sent: Wednesday, November 28, 2001 2:43 PM
To: Kwon, Soon (S.K.)
Cc: Dalbo, Bob (R.J.); Fournelle, Gilbert (G.); 'jmc dona3@visteon.com'
Subject: RE: components EMC

No Problem Soon:

I have a meeting w/ Bernie Nikolai next week to go over EMC data for EEC Module, be sure to send a rep... tentatively it is set for next wed at 2 PM. Once I hear from Tim Diez I'll let you know for sure.

John McDonald: how have things been coming with the MAF sensor data and Mark Zaremski?

Thanks Gentlemen,
Les

-----Original Message-----

From: Kwon, Soon (S.K.)
Sent: Wednesday, November 28, 2001 11:36 AM
To: Dalbo, Bob (R.J.); Hermann, Thomas (T.J.); Williams, Les (LHW.)
Subject: FW: components EMC

Les, we need to get the individual component supplier for EMC data.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
452F WPC, 5111 Auto Club Drive, Dearborn 48126
Phone (313) 322-6844, Fax (313) 323-1153
Pager (888) 375-6922, email: skwon@ford.com

-----Original Message-----

From: Shigeki Morishima [mailto:morishima.s@mazda.co.jp]
Sent: Monday, November 26, 2001 6:53 PM
To: 'Kwon, Soon (S.K.)'; 'Morishima, Shigeki (S.)'
Subject: RE: components EMC

I am sorry Mazda keep no component level EMC data.
Mazda would recommend that each supplier should keep test data to qualify Mazda requirements. Please ask suppliers.

Thanks,
Shigeki Morishima
Mazda North American Operations
+1-313-39-00762

-----Original Message-----

From: Kwon, Soon (S.K.) [mailto:skwon@ford.com]
Sent: Monday, November 19, 2001 5:25 PM
To: Morishima, Shigeki (S.)
Subject:

Morishima-san, thank you for coming to the meeting today and sharing info with us.

Tom Hermann also requested to get the component EMC test data like, MAF, IAC, DPFE, EVR etc. Do you have component level data ?

Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
452F WPC, 5111 Auto Club Drive, Dearborn 48126
Phone (313) 322-6844, Fax (313) 323-1153
Pager (888) 375-6922, email: skwon@ford.com

From: Dixon, Tony (A.)
Sent: Friday, January 04, 2002 10:59 AM
To: Anyanwu-Ebo, Ike (I.C.); Pack, Michael A (M.A.)
Cc: Kwon, Soon (S.K.); Brach, Margaret (M.M.)
Subject: RE: Dynamic Damper TSB - Sample Part Request

Ike, Michael,

Happy New Year!

Ike,

Thanks for the material. I agree we should incorporate instructions for dead weight removal (if fitted) and damper fitment as per the document you sent me. The last thing we want is diff leaks.

As far as I am aware, it is FCSD-E responsibility to release the TSB. They will handle that when they have all the necessary information for the TSB document, and parts are available in the Parts Centres.

Michael,

If you have not done so already, could you share a draft of the TSB with Ike please. Do you need any further data to move forward to it's publication?

Regards,

Tony Dixon
SUV Planning & Projects
PD Europe
GB 15/3A-B02-C
Tel: 738:3551
Fax: 738:1188
e-mail: tdbon2@ford.com

-----Original Message-----

From: Anyanwu-Ebo, Ike (I.C.)
Sent: 03 January 2002 20:17
To: Dixon, Tony (A.)
Cc: Pack, Michael A. (M.A.); Kwon, Soon (S.K.); Brach, Margaret (M.M.)
Subject: RE: Dynamic Damper TSB - Sample Part Request

Tony,

I trust that you had a good and relaxing break? I wanted to follow-up on the TSB for the dynamic damper. I sent the enclosed document to people in FCSD-Europe already, however here is additional copy.

In the two scenarios that Margaret Brach raises below I would suggest that we follow the current Clutch Service document. Page 1 refers to the disassembly of the mass weight from the axle. The dynamic damper can then be assembled to the center section referencing Page 11 of the Clutch Service document.

If the mass weight is not on the axle, then the dynamic damper should be assembled to the center section following the assembly directions detailed on Page 11 of the Clutch Service document.

Again, I need to stress that following the torque sequencing of the bolts during assembly to the center diff is of paramount importance in avoiding diff leaks. We had a recall here in the states on this. There is no bolt sequencing for disassembly from of the mass weight or the dynamic damper from the center section.

I'm not sure how to get the TSB released or for that matter, how to determine if it is released properly? Please let me know what you think; I'll need the assistance in terms of direction, but I'll do the leg-work. Thank-you in advance.

Sincerely,
Ike Anyanwu-Ebo
Rear Axle Systems - Design & Release
F-Superduty/Excursion/Escape/Explorer Sport & Sport Trac
Cube 2B-B24, TVC
(313)-208-2057 (ph)
(313)-845-2344 (fax)
(313)-851-7604 (page)

<< File: U204 Electric Clutch Service 2.doc >>

-----Original Message-----

From: Brach, Margaret (M.M.)
Sent: Wednesday, January 02, 2002 3:26 PM
To: Anyanwu-Ebo, Ike (I.C.); Kwon, Soon (S.K.)
Cc: Peck, Michael A. (M.A.); Dixon, Tony (A.)
Subject: RE: Dynamic Damper TSB - Sample Part Request

Did this TSB get released properly, like does it say that if the rear dead mass is on there so this and if the dead mass is not there do this?

Margaret M. Brach ☺

Ford Escape/Mazda Tribute Vehicle Engineering Supervisor

☎ (p) 313-248-4078 ☎ (f) 313-322-5272

✉ mbrach@ford.com

Nationwide Pager: 313-851-4005

A lot of people approach risk as if it's the enemy when it's really fortune's accomplice. -- Sting

-----Original Message-----

From: Dixon, Tony (A.)
Sent: Wednesday, November 21, 2001 9:20 AM
To: Anyanwu-Ebo, Ike (I.C.)
Cc: Brach, Margaret (M.M.); Peck, Michael A. (M.A.)
Subject: Dynamic Damper TSB - Sample Part Request

Ike,

In order to complete the TSB for service fit of the dynamic damper, FCSD Europe need a sample of the service damper in order to do a trial installation and develop an official labor time allowance for the job.

Could you arrange for one damper to be sent to the following address as soon as possible please:

Ford of Europe Inc.
Technical Support Operations
Technologie- und Trainingszentrum
Oskar-Schindler-Strasse 9
D-50769 Koeln (Feldkassel)
Germany

Attention of: Michael Peck (D-F/ GT-2)

Can you also remind me of the latest release status for this part please.

Regards,
Tony Dixon

From: Grandinett, Dave (D.H.)
Sent: Friday, January 18, 2002 10:49 PM
To: Kwon, Soon (S.K.)
Subject: RE: C11299286

Congratulations (finally !!)

-----Original Message-----

From: Kwon, Soon (S.K.)
Sent: 19 January 2002 05:46
To: Grandinett, Dave (D.H.)
Subject: RE: C11299286

It was a long and hard road (two months) but after almost two hours of audio discussion on night of 1/16, Mazda finally agreed to approve.

CONCERN APPROVED BY S.KAWASAKI PER K.TANAKA PMT 8C
WAUD, SACHIKO (81-82-287-1093 N MZDA204 SWAUD ML00 02/01/18

Pls let me know if you have any questions.

Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 405, PDC Dearborn 48126
Phone (313) 322-6844, Fax
Pager (313) 795-1536, email: skwon@ford.com

-----Original Message-----

From: Grandinett, Dave (D.H.)
Sent: Thursday, January 10, 2002 6:29 PM
To: Kwon, Soon (S.K.)
Subject: RE: C11299286

Please confirm when approved. Thanks.

-----Original Message-----

From: Kwon, Soon (S.K.)
Sent: 11 January 2002 07:41
To: Kawasaki, Shunsuke (S.); Takasawa, Keith (K.D.); Inoue, Hiroshi (H.); Nagamoto, Yoshihito (Y.)
Cc: Powers, Ken (K.W.); Grandinett, Dave (D.H.); Hofman, Michael (M.V.); Sullivan, Jamie (J.P.); Kuo, Benjamin (B.Y.); Plattenberger, Karl (K.J.); Kwon, Soon (S.K.); Kadowaki, Takashi (T.); 'Shiraishi, Masaru'; Dalbo, Bob (R.J.)
Subject: RE: C11299286

Morishima-san is meeting with Tim Diez this afternoon to discuss EMC data and Morishima-san to communicate with Mazda engineer tonight. We will have update tomorrow morning.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 405, PDC Dearborn 48126
Phone (313) 322-6844, Fax
Pager (313) 795-1536, email: skwon@ford.com

-----Original Message-----

From: Kawasaki-Mazda [<mailto:kawasaki.sh@dev.mazda.co.jp>]
Sent: Thursday, January 10, 2002 3:35 AM
To: 'Takasawa, Keith (K.D.)'; Inoue, Hiroshi (H.); Nagamoto, Yoshihito (Y.)
Cc: Powers, Ken (K.W.); Grandinett, Dave (D.H.); Hofman, Michael (M.V.); Sullivan, Jamie (J.P.); Kuo, Benjamin (B.Y.); Plattenberger, Karl (K.J.); Kwon, Soon (S.K.); 'kadowaki.t@pt.mazda.co.jp'; 'Shiraishi, Masaru'
Subject: RE: C11299286

Takasawa-san,
Mazda PMT is asking Ford a couple of questions to know how this change affect Hofu vehicles.
Shiraishi and Kwon meeting will be held at Dearborn a.s.a.p. in order to progress this information change.
As soon as they receive the information, I will have them approve it.
Please wait a day.
Regards,

Kaw

-----Original Message-----

From: Takasawa, Keith (K.D.) [[SMTP:ktakasaw@ford.com](mailto:ktakasaw@ford.com)]
Sent: Thursday, January 10, 2002 3:11 AM
To: Inoue, Hiroshi (H.); Kawasaki, Shunsuke (S.); Nagamoto, Yoshihito (Y.)
Cc: Powers, Ken (K.W.); Grandinett, Dave (D.H.); Hofman, Michael (M.V.); Sullivan, Jamie (J.P.); Kuo, Benjamin (B.Y.); Plattenberger, Karl (K.J.); Kwon, Soon (S.K.)
Subject: FW: C11299286

I would appreciate your help in getting this change approved immediately at Mazda. This is required to help reduce the engine stalls in the field. It has been proven out and is ready for production.

Regards,

Keith Takasawa

Escape/Tribute Chief Engineer
PDC 2HD70
MD401
PH: (313) 322-5675

FAX: (313) 248-8599
E-MAIL: KTAKASAW@FORD.COM
TEXT PAGE: 7346045034@mobile.att.net

-----Original Message-----

From: Sullivan, Jamie (J.P.)
Sent: Wednesday, January 09, 2002 12:51 PM
To: Takasawa, Keith (K.D.)
Subject: FW: C11299286
Importance: High

-----Original Message-----

From: Plattenberger, Karl (K.J.)
Sent: Wednesday, January 09, 2002 12:15 PM
To: Chapman, Val (V.J.); Sullivan, Jamie (J.P.)
Cc: Kwon, Soon (S.K.); Williamson, David (D.E.)
Subject: FW: C11299286
Importance: High

Is there anything that can be done?
Karl Plattenberger
U204 PTSE 2002 MY Project Management
PDC 2F-B41
Tel. : 313-390-4466
kplatten@ford.com

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Wednesday, January 09, 2002 11:58 AM
To: 'Khan, Naveed (N.A.)'; Williams, Les (LHW.)
Cc: Boals, Sandra (S.L.); Shiraishi, Masaru (M.); Kwon, Soon (S.K.);
Dalbo, Bob (R.J.); Plattenberger, Karl (K.J.); McGee, Brett (B.L.);
Szczepanski, Kyoko (K.)
Subject: RE: C11299286
Importance: High

No, Concern is live and well & we urgently need this change. Holdup is Mazda approval of concern.

Les, did Mazda update you on if they could expedite approval?

Shiraishi-san, were you able to expedite approval this week?

-----Original Message-----

From: Khan, Naveed (N.A.) [mailto:nkhan3@visteon.com]
Sent: Wednesday, January 09, 2002 9:43 AM
To: 'Williamson, David (D.E.)'
Cc: Khan, Naveed (N.A.); 'sboals@ford.com'
Subject: FW: C11299286

Dave,

Did Ford reject the Concern C11299286 ? Does that mean we are not replacing the MAFS or what? Please explain.

Regards,

Naveed Khan

Product Design Engineer
Truck AIS Product Engineering, Visteon
Visteon Powertrain Product Development
Phone: (313)75-57189, Fax: (313)75-52992
Text Page: <mailto:3137938344@alphapage.airtouch.com>
Cube : C164
email: <mailto:nkhan3@visteon.com>

> -----Original Message-----
> From: Bookout, Amanda (A.M.)
> Sent: Wednesday, January 09, 2002 7:56 AM
> To: Khan, Naveed (N.A.); Bishop, Chris (C.B.); Ross, Ralph (R.J.);
> Driscoll, James (J.C.)
> Cc: Griffin, Dawn (D.E.)
> Subject: C11299286
>
> Hello:
>
> Ford program management has rejected the above concern that was intended
> to:
>
> REPLACE CURRENT MAPS WITH NEW MAPS MORE ROBUST TO EMC
> REPLACE XF2F-12B579-AA WITH 1L2F- -BA
>
> Please advise Dawn of next step actions for this situation. Thank you.
>
> Regards,
>
> Amanda M. Bookout
> Visteon Materials Management
> Bill of Material Specialist - VEMA, C143
> Phone: 313-755-7574 Fax: 313-755-2372
> Email: abookout@visteon.com
>
>

From: HTakubo [takubo.h@dev.mazda.co.jp]
Sent: Wednesday, January 16, 2002 3:52 AM
To: Kwon, Soon (S.K.)
Subject: RE: C11299286 MAF SENSOR ENGINEERING CHANGE

Kwon san

The direction of this issue is cleared.

I talked with Mito san, manager of quality division and he discussed with Kanai san in KCAP.

Their conclusion of this issue is not big issue but just marketability issue because all vehicles could be restarted even after engine stall occurred.

Therefore, if all of Kadowaki san's requests is satisfied, MC can proceed to approve for KCAP vehicles.

In order to clear Japan certification for Hofu vehicles, we need white paper this change does not affect exhaust emission and fuel economy for Japan 10-15 mode.

Regards,
Hiroichi Takubo
PT Promotion division
E-mail: takubo.h@dev.mazda.co.jp
Tel No. (082) 565-1242 (Ext. 51242)
Fax No. : (082) 287-5115 (Ext. 20015)

-----Original Message-----

From: Kwon, Soon (S.K.) [SMTP:skwon@ford.com]
Sent: Wednesday, January 16, 2002 8:10 AM
To: Kadowaki, Takashi (T.)
Cc: Inoue, Hiroshi (H.); Nagamoto, Yoshihito (Y.); Takubo, Hiroichi (H.)
Subject: FW: C11299286 MAF SENSOR ENGINEERING CHANGE

Kadowaki-san,

Sandra's note along with Les Williams' and Tim Diez's notes you should have all information you requested which essentially states that there is no ill effect from the new MAFS.

Please proceed to approve the concern.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 406, PDC Dearborn 48126

Phone (313) 322-6844, Fax
Pager (313) 795-1536, email: skwon@ford.com

-----Original Message-----

From: Boals, Sandra (S.L.)
Sent: Tuesday, January 16, 2002 4:36 PM
To: Kwon, Soon (S.K.); Diez, Timothy (T.P.); Hinds, Brett (B.S.)
Cc: 'J14Z Inoue, Hiroshi'; Takubo, Hiroichi (H.); Ichikawa, Jiyunichiro (J.); 'Shiraishi, Masaru'; Kadowaki, Takashi (T.);
'cbishop2@visteon.com'; Boals, Sandra (S.L.)
Subject: RE: C11299286 MAF SENSOR ENGINEERING CHANGE

Soon,

I just spoke with Chris Bishop from Visteon regarding the MAPS changes.

The improvements to the sensor are as follows:

- 1) Resized circuit to make it smaller. (The smaller the circuit the less susceptible it is to EMC).
- 2) Added EMC suppression features on IC legs.

Sandy Boals
U204 PTSSE, Air Induction System D&R
Product Development Center (PDC), Cube 2F-E08
Phone: (313) 846-4661 / FAX: (313) 621-8320
Text Pager: (313) 684-2194

-----Original Message-----

From: Kwon, Soon (S.K.)
Sent: Friday, January 11, 2002 2:36 PM
To: Diez, Timothy (T.P.); Boals, Sandra (S.L.); Hinds, Brett (B.S.)
Cc: J14Z Inoue, Hiroshi; Takubo, Hiroichi (H.); Ichikawa, Jiyunichiro (J.); 'Shiraishi, Masaru'; Kadowaki, Takashi (T.)
Subject: RE: C11299286 MAF SENSOR ENGINEERING CHANGE

Sandra, can you please answer the question #1. The part numbers are
XP2F-12B579-AA(original) and 1L2F - - BA on CR #C11299286.

Tim, can you please try to answer #2 & 3 question ?

Prefert answer COB today.

Thanks.

Regards,
Soon Kwon
Escapes/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
2FB39, MD 406, PDC Dearborn 48126
Phone (313) 322-6844, Fax
Pager (313) 795-1536, email: skwon@ford.com

-----Original Message-----

From: Takashi Kadowaki [<mailto:kadowaki.t@pt.mazda.co.jp>]
Sent: Friday, January 11, 2002 3:02 AM
To: 'Shiraishi, Masaru'; U204 Kwon, Soon; PMO Kawasaki, Syunsuke
Cc: J14Z Morishima, Shigeki; U204 Williamson, David; PTC Kihara,
Tatsuhiko; J14Z Inoue, Hiroshi; PTP Takubo, Hiroichi; PTP Ichikawa,
Junichiro; U204 Plattenberger, Karl; '113-KenTanakaS';
'116-Fujinaga-kun'; '11-EidoM'; '1Sys-InoueTAKES'; '111-Kadowaki';
'morishima.s@elec.mazda.co.jp'; 'mito.s@qa.mazda.co.jp';
'mito.s@qa.mazda.co.jp'
Subject: RE: C11299286 MAF SENSOR ENGINEERING CHANGE

Kwon-san, Shiraishi-san, KawasakiG-san,

This is Kadowaki, Thank you for your sending information regarding this WERS, EMC test results.

By using this data, I discussed with our EMC specialist, Mr. Animoto, then, I could understand well that this countermeasure parts would be much better than the current MAF. Therefore, I would like to agree with this WERS when I can get two kind information as shown below:

<1> Evaluation result of negative effect:
Maybe as you know, I issued some questions for this matter to PPM member on Jan. 9.

Especially I would like to know three items as following:
1) What the difference between current part and countermeasure one.
2) What kind negative effect will be expected.
3) How did be confirmed that these negative effect would be no problem.

Kwon-san, Shiraishi-san,
So Could you please give us these kind information as much as you can get??? Thank you for your support in advance.

<2> Direction how to progress;

My understanding, this WERS will be the countermeasure activity for US market quality problem.

- 1) Is there any issue when releasing of this design change against authorities???
- 2) Can we release this change without any consideration??
- 3) Did you finish the negotiation with quality insurance team of Ford and Mazda regarding this change???

KawasakiG-san,

How do you think my concern above mentioned <2>???

Could you please make sure and please give us the direction??

Thank you for your big effort,

Best Regards,

Kadowaki

-----Original Message-----

From: Shiraishi, Masaru [SMTP:driveline@earthlink.net]

Sent: Friday, January 11, 2002 1:39 PM

To: PTC Kihara, Tatsuhiro; PTC Kadowaki, Takashi; U204 Plattenberger, Karl;

U204 Williamson, David; U204 Kwon, Soon; PMO Kawasaki, Syunsuke; J14Z Incus,

Hiroshi; PTP Ichikawa, Junichiro; PTP Takubo, Hiroichi

Cc: J14Z Morishima, Shigeki

Subject: C11299286 MAP SENSOR ENGINEERING CHANGE

Today I have got the technical data of MAP improvement for EMC from Morishima-san.

- 1) Test result of On board EMC evaluation
- 2) Test result of Outside EMC evaluation
- 3) FORD EMC criteria
- 4) EMC test result by Mazda

I sent this material to Mazda PT promotion group Ichikawa-san and explained the contents.

Point of this material is that there is improvement for EMC around 11.5 MHz.

(Engine Stall at 22 V/m changed to Stumble at 49 V/m)

Ichikawa-san will discuss this to PT Control group engineer and reply to Kwon-san.

Kwon-san

Thank you for your controlling this issue.

If you have any technical data regarding stall issue, please share me.

Masaru Shiraishi

Mazda North American Operations

U204 Core Team

Transmission and Driveline

Tel 313-845-1183
Fax 313-845-9162

From: T.Kadowaki [kadowaki.t@pt.mazda.co.jp]
Sent: Tuesday, January 15, 2002 12:39 PM
To: Kwon, Soon (S.K.); Shiraishi, Masaru (M.)
Cc: Ichikawa, Jiyunichiro (J.); Takubo, Hirochi (H.); Murakami, Junko (J.); Kihara Tatsuhiro (E-mail); Tanaka Kenichiro (E-mail); Y. Sakuradani (E-mail); Fujinaga, H (E-mail)
Subject: RE: C11299286/DURATEC MAF Change

Kwon-san, Shiraishi-san,

This is Kadowaki, now I am in Merkenich....

Thank you for your additional information about this matter.
But unfortunately, because of my poor English, nobody could understand my some questions as shown below<2>....

Siraishi-san,

Can we explain my question's meaning of <2> in Japanese??

Please call to Mr. Tanaka??

(Tanaka-kun,

please explain our concern to Shiraishi-san based on the latest information, thanks)

Regards,
Kadowaki

<2> Direction how to progress;

My understanding, this WERS will be the countermeasure activity for US market quality problem.

- 1) Is there any issue when releasing of this design change against authorities???
- 2) Can we release this change without any consideration??
- 3) Did you finish the negotiation with quality insurance team of Ford and Mazda regarding this change???

> -----Original Message-----

> From: Kwon, Soon (S.K.) [mailto:skwon@ford.com]
> Sent: Monday, January 14, 2002 11:18 PM
> To: Kadowaki, Takashi (T.); Shiraishi, Masaru (M.)
> Cc: Diez, Timothy (T.P.); Williams, Les (LHW.); Dalbo, Bob (R.J.); Ichikawa, Jiyunichiro (J.); Takubo, Hirochi (H.)
> Subject: FW: C11299286/DURATEC MAF Change

>

>

> Kadowaki-san, based on the reply from Les to Shiraishi-san (below), can you proceed to approve the MAFS concern ?

>

> Thanks.

>

> Regards,
> Soon Kwon
> Escape/Tribute P/T OPD Supervisor
> Compact Utility PTSE, TVC
> 2FB39, MD 405, PDC Dearborn 48126
> Phone (313) 322-6844, Fax
> Pager (313) 795-1536, email: skwon@ford.com

▼
▼
▼
▼

From: junichiro ichikawa [ichikawa.j@pt.mazda.co.jp]
Sent: Monday, January 14, 2002 9:05 PM
To: Fournelle, Gilbert (G.); Bogema, John (P.)
Cc: Kwon, Soon (S.K.); Dalbo, Bob (R.J.); 'Shiraishi, Masaru'; Takubo, Hiroichi (H.); Hamano, Naoumi (N.); Inoue, Takeshi (T.)
Subject: RE: C11299149 ISC Calibration

Gilbert-san

Thank you for your kindly reply.

Inoue-san might be able to resolve his question by your note.

Inoue-san

Are you comfortable for this ?

Thank you.

Regards,

J. Ichikawa

P/T Program Develop. Promotion Gr.

Phone ; 81-82-287-4932 (Ex ; 28215)

Fax ; 81-82-287-5115 (Ex; 20015)

-----Original Message-----

From: Fournelle, Gilbert (G.) [SMTP:gfournel@ford.com]

Sent: Friday, January 11, 2002 10:21 PM

To: Ichikawa, Jiyunichiro (J.); Fournelle, Gilbert (G.); Bogema, John (P.)

Cc: Kwon, Soon (S.K.); Dalbo, Bob (R.J.); 'Shiraishi, Masaru'; Takubo,

Hiroichi (H.); Hamano, Naoumi (N.); Inoue, Takeshi (T.)

Subject: RE: C11299149 ISC Calibration

Ichikawa-san,

The change does not affect the ISC dash pot.

With nominal hardware there is absolutely no effect from the calibration change. The calibration change has been made to improve the robustness of the calibration against ISC valves and throttle bodies which perform different than expected.

We have looked at engine braking by comparing coast down times and saw no noticeable differences. Also, the load during coast downs is identical for both calibrations during closed throttle decals. In addition, transmission calibration also did extensive verification to ensure that there was no harmful effect on the transmission performance.

The white paper is an emissions related document and it does not normally include the verification procedure for items other than emissions compliance.

Sincerely,

Gilbert Fournelle

V6 U204 Calibration Engineering

1AE27 Truck Engine Engineering (TEE)

Phone: (313) 3904968 Fax: (313) 3231786

-----Original Message-----

From: junichirou ichikawa [mailto:ichikawa.j@pt.mazda.co.jp]
Sent: Thursday, January 10, 2002 8:55 PM
To: 'Fournelle, Gilbert (G.)'; Bogema, John (P.)
Cc: Kwon, Soon (S.K.); Dalbo, Bob (R.J.); 'Shiraishi, Masaru'; Takubo, Hiroichi (H.); Hamano, Naoumi (N.); 'incue.t@pt.mazda.co.jp'
Subject: C11299149 ISC Calibration

Gilbert-san,

Upon the MIDAS release of the ISC calibration change, Incue-san, a Mazda responsible engineer, of PT Control System Engineering Gr. has a question

below. Please respond to it.

I understand that this is a change in the ISC dash pot area. I am concerned about whether or not this change has negative effects on the engine braking. Have you verify it? Please tell me your verification results.

White Paper which you provided to me does not mention it.
I am looking forward to your reply.

Thanks.

J. Ichikawa
P/T Program Develop. Promotion Gr.
Phone ; 81-82-287-4932 (Ex ; 28215)
Fax ; 81-82-287-5115 (Ex; 20015)

From: Altonian, Don (D.J.)
Sent: Thursday, October 11, 2001 4:43 PM
To: Bhojwani, Kamal (K.); Kwon, Soon (S.K.); Moorhouse, Scott (S.R.); Hofman, Michael (M.V.)
Cc: Altonian, Don (D.J.)
Subject: Omaha 3.0L Escape stalls trip report.



ohama.doc

FYI

U-204 Stall Investigation on V/6 CD4E equip vehicles.

On 10/02 And 10/03 I visited Merkel and Atchley Ford dealerships in Omaha Ne to evaluate six vehicles that had reports of reoccurring stalls.

The results are as follows;

- 1) TPS voltage at idle, .89 to .96
- 2) IAC at idle A/C off in neutral ran from 27.35% to 35.93%, and in drive A/C off ran from 33.20% to 38.67.
- 3) B/P ranged from 149 Hertz's to 158 Hertz's
Omaha is at 10000 feet above sea level.
- 4) All vehicles except one stalled quite easily when relay was tapped. The one that didn't stall had a Hella relay in it.
- 5) All grounds and connections on the check sheet were verified.
- 6) All keep alive memory voltages were OK.
- 7) The short and long term full shifts were in normal ranges of - 5% to + 4%.
- 8) All vehicles passed VIP test, except one, which would not run the key on engine run test with the NGS tester. It did run and passed the test with the WDS tester. I am working on understanding this problem.
- 9) The two most repeatable stall vehicles had VDR's installed in them, and are being driven daily.
- 10) One vehicle has stalled in the exact same location twice. It was outside of an Omaha Power plant. I have given this location, along with other locations that contained multiple T.V. and Doppler radar towers, to the EMC group to see if any of these locations are known to cause EMC, or RFI problems.
- 11) I will be staying in contact with these dealers.

If you have any questions feel free to call Don Altounian at 313-322-3321

From: Kenichiro Tanaka [tanaka.ke@elec.mazda.co.jp]
Sent: Thursday, January 17, 2002 5:31 AM
To: Junichiro Ichikawa; Shiraishi, Masaru (M.); Kwon, Soon (S.K.); Waud, Sachiko (S.)
Cc: 11 'Takashi Kadowaki' (E-mail); 11 '??E' (E-mail); '11-Fujinaga-kun' (E-mail); '11-Sakuredani-kun' (E-mail); 11 Takeshi Inoue (E-mail); '??OEM?????????'; 'PT?????????'
Subject: FW: U204 AJD Stall Issue Meeting with Hiroshima.

Dir Sirs,

Regarding WERS Concern# ; C11299286, Mazda confirmed that there is no problem from the certification point of view.
So Mazda can approve this concern.

Sachiko-san,
Please close this issue as "selection 2".

Best Regards,
K.Tanaka
Mazda

-----Original Message-----

From: Shiraishi, Masaru [SMTP:driveline@earthlink.net]
Sent: Tuesday, January 15, 2002 2:57 AM
To: J14Z Inoue, Hiroshi; U204 Kwon, Soon; U204 Plattenberger, Karl; U204 Williamson, David
Cc: PTP Hamano, Naoumi; PTP Ichikawa, Junichiro; PTP Takubo, Hiroichi
Subject: U204 AJD Meeting with Hiroshima.

Thank you for your support.

This is meeting notice for U204 AJD Stall Issue.

Date US 16-Jan-2002 (WED) 6:00 PM-
JPN 17-Jan-2002 (THU) 8:00 AM-

Agenda

- 1) MAF change
- 2) IAC Calibration change
- 3) IAC Valve change
- 4) PCV Change

Tel US 877-877-7127
FORD #954-1122
INT 630-424-2071
Pass Code #664-3917
Moderate Code #169-8917

Kwon-san, Takubo-san, Ichikawa-san
Please inform this to the related person of FORD and MAZDA.

Takubo-san, Ichikawa-san
If you have special to discuss at this meeting, please inform to Kwon-san before meeting.

Masaru Shiraishi
Mazda North American Operations
U204 Core Team
Transmission and Driveline

Tel 313-845-1163
Fax 313-845-9162

From: Nematollahi, Sonya (S.)
Sent: Wednesday, October 31, 2001 4:28 PM
To: Morishima, Shigeki (S.)
Cc: Diaz, Timothy (T.P.); Hermann, Thomas (T.J.); Kwon, Soon (S.K.)
Subject: FW: EMC Contacts

Importance: High

Morishima, this is a very HOT assignment. DO you have EMC test results done on the 2001MY vehicle. Need you to provide to Tim Diaz ASAP.

Tim, I am assuming you do not have that, if you do, please advise.

-----Original Message-----

From: Kwon, Soon (S.K.)
Sent: Wednesday, October 31, 2001 4:21 PM
To: Diaz, Timothy (T.P.); Hermann, Thomas (T.J.)
Cc: Nematollahi, Sonya (S.); Karr, Jerry (G.T.); Hoffman, Michael (M.V.)
Subject: FW: EMC Contacts
Importance: High

Tim or Tom, do you have the Mazda S/O data on EMC ? If not , can you please get it from Yamazaki-san or Amimoto (norishige ?).

Thanks.

Gerry, the EMC testing was done by Electrical testing team and I do not have the S/O data.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
462F WPC, 5111 Auto Club Drive, Dearborn 48126
Phone (313) 322-8844, Fax (313) 323-1153
Pager (888) 375-8822, email: skwon@ford.com

-----Original Message-----

From: Karr, Jerry (G.T.)
Sent: Wednesday, October 31, 2001 4:05 PM
To: Kwon, Soon (S.K.)
Cc: Fascehl, Bob (R.J.); Hoffman, Michael (M.V.)
Subject: FW: EMC Contacts
Importance: High

What EMC data do we have from initial production testing?

G. T. Karr (Jerry)
P/T Chief Engineer: PH: 32-28868/Cube: 1BA45
PDC/MD #205/FAX: 62-18083/gkarr@ford.com

-----Original Message-----

From: Takasawa, Keith (K.D.)
Sent: Wednesday, October 31, 2001 6:57 AM
To: Theodore, Chris (C.P.)
Cc: Himes, Bob (R.S.); Kapur, Dee (D.T.); Claudpierre, Dale (D.E.); Karr, Jerry (G.T.)
Subject: FW: EMC Contacts
Importance: High

Chris:

This is to request OT for Escape/Tribute ECM testing. As you may know, Escape/Tribute has an engine stall issue in the field. Despite an intense effort by the team, root cause is still undetermined. We are now buying back customer vehicles. Preliminary data that suggests that EMC performance may be at least part of the cause, but need more extensive testing. Mazda raised the issue at this month's MAB in Japan with Jim Padilla. Richard is also aware of the issue and Mazda's concern.

Please let me know if you need further information. Thank you for your help.

Regards,

Keith Takasawa

Escape/Tribute Chief Engineer
POC 2HD7D
PH: (313) 322-8675
FAX: (313) 248-8569
E-MAIL: KTAKASAW@FORD.COM
TEXT PAGE: 7348048034@mobile.att.net

—Original Message—

From: Donovan, Tim (T.F.)
Sent: Tuesday, October 30, 2001 5:19 PM
To: Takasawa, Keith (K.D.)
Cc: Hermann, Thomas (T.J.)
Subject: RE: EMC Contacts

Keith, as far as I know the overtime approval process is still to get your VP to approve. We will then support. I believe they will want an estimate of the overtime required before they/he approves. If you need any input from us Tom Hermann, my supervisor, will assist/input. Thanks.

—Original Message—

From: Takasawa, Keith (K.D.)
Sent: Tuesday, October 30, 2001 3:41 PM
To: Donovan, Tim (T.F.)
Subject: FW: EMC Contacts
Importance: High

Tim:

As you may know, Escape/Tribute has an engine stall issue in the field that so far has eluded root cause identification. One potential root cause identified is poor EMC performance. This is to request overtime for your activity to support the investigation. We and Mazda are buying back significant numbers of vehicles, and need to get to the bottom of this ASAP.

Please let me know if you can support, or if not, who needs to approve the OT. Thanks for your help.

Regards,

Keith Takasawa

Escape/Tribute Chief Engineer
POC 2HD7D
PH: (313) 322-8675
FAX: (313) 248-8569
E-MAIL: KTAKASAW@FORD.COM <mailto:KTAKASAW@FORD.COM>
TEXT PAGE: 7348048034@mobile.att.net <mailto:7348048034@mobile.att.net>

—Original Message—

From: Dalbo, Bob (R.J.)
Sent: Tuesday, October 30, 2001 3:37 PM
To: Takasawa, Keith (K.D.)

Cc: Williams, Lea (LHW.); Kostermann, Eric (E.); Fournelle, Gilbert (G.); Bhojwani, Kamal
Subject: RE: EMC Contacts

Keith,
The EMC testing contacts are in the note below.

Bob Dalbo

3.0L Calibration Supervisor
Outfitters Calibration, North American Truck
Phone: (313)24-84947 Fax: (313)32-31786
Pager: (313)796-2869 E-mail: rdalbo@ford.com <<mailto:rdalbo@ford.com>> <<<mailto:rdalbo@ford.com>>>

—Original Message—

From: Bhojwani, Kamal (K.)
Sent: Friday, October 26, 2001 1:25 PM
To: Pascetti, Bob (R.J.)
Cc: Dalbo, Bob (R.J.); Fournelle, Gilbert (G.)
Subject: EMC Contacts

Bob,
The supervisor that we have talked with is Tom Hermann (THERMANN)
Tom's manager is Tim Donovan (TDONOVAN)
Tim's director is Cary Wilson (CWILSO32)

Regards,
Kamal Chopra
U204 3.0L Powertrain Calibration
TEB, Suite 1A830
Phone: (313) 39-01969
Fax: (313) 32-31786

From: Dalbo, Bob (R.J.)
Sent: Monday, November 19, 2001 8:20 PM
To: Fournelle, Gilbert (G.); Hofman, Michael (M.V.); Fascetti, Bob (R.J.)
Co: Williams, Lea (LHW.); Kwon, Soon (S.K.)
Subject: FW: Summary of EMC results on Powertrain's Engine Stall Issue

Info on EMC testing status. I asked Joe Grandas (Ford) to provide the PSW EMC data for the DPFE sensor and John McDonald (Visteon) to provide similar data for the MAFS and PCM.

Bob Dalbo

3.0L Calibration Supervisor
Outfitters Calibration, North American Truck
Phone: (313)24-84847 Fax: (313)32-31786
Pager: (313)795-2859 E-mail: rdalbo@ford.com

---Original Message---

From: Kwon, Soon (S.K.)
Sent: Monday, November 19, 2001 4:05 PM
To: Williams, Lea (LHW.); Dalbo, Bob (R.J.)
Subject: FW: Summary of EMC results on Powertrain's Engine Stall Issue

Info.

Tom Hermann also told me we need component level EMC test data for P/T parts like IAC, DPFE, EVR, MAF (we know about this), CID, etc..
I will initiate the request to Mazda for this.

Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
462F WPC, 5111 Auto Club Drive, Dearborn 48128
Phone (313) 322-8844, Fax (313) 323-1163
Pager (888) 375-8922, email: skwon@ford.com

---Original Message---

From: Diaz, Timothy (T.P.)
Sent: Monday, November 19, 2001 3:39 PM
To: Nematollahi, Sonya (S.)
Co: Kwon, Soon (S.K.)
Subject: Summary of EMC results on Powertrain's Engine Stall Issue

Sonya,

At today's meeting, I reported that Radiated Immunity Testing revealed engine stumbles and stalls at the following frequencies:

20-22 MHz	60 V/m	Engine Stumble
7-10 MHz	50 V/m	Engine Stall

Visteon provided a fixed MAF sensor for the 7-10 MHz issue.

An on-board transmitter which operated at 21 MHz was installed in the vehicle and no vehicle level issues were found. The on board transmitter test provides a real world scenario for something the vehicle might see in its environment.

I would like to reiterate that these EMC issues could NEVER possibly account for the number of engine issues we are seeing in the field. Also, it has been expressed that the team would like to fix the part of the issue that could be attributed to EMC. Our team has accomplished this. We fixed the issue for the 7-10 MHz range and have demonstrated that the anechoic chamber failure at 20-22 MHz is not representative of what the customer might see. The on board test is representative of what the customer might see.

Let me know if I may contribute to this effort in any further way.

Thank you.

Sincerely,
Timothy Diez
Cross Vehicle EMC Technology Applications
313-32-38827, Fax: 313-322-1892
e-mail: tdiez@ford.com

From: Fournelle, Gilbert (G.)
Sent: Monday, November 19, 2001 4:43 PM
To: Dalbo, Bob (R.J.); Diaz, Timothy (T.P.); Hermann, Thomas (T.J.); Kwon, Soon (S.K.)
Subject: Concern number for the MAF sensor change

The concern number for the MAF sensor change from XF2E-AA to 1L2F-BA is **C11299286**

The white paper numbers are **03.14.01-1724** for current production
03.14.01-1725 for service fix (2001)

Sincerely,

Gilbert Fournelle
V8 U204 Calibration Engineering
1AE27 Truck Engine Engineering (TEE)
Phone:(313)3904868 Fax:(313)3231786

-----Original Message-----

From: Plattenberger, Karl (K.J.)
Sent: Wednesday, January 09, 2002 12:15 PM
To: Chapman, Val (V.J.); Sullivan, Jamie (J.P.)
Cc: Kwon, Soon (S.K.); Williamson, David (D.E.)
Subject: FW: C11299286
Importance: High

Is there anything that can be done?
Karl Plattenberger
U204 PTSE 2002 MY Project Management
PDC 2F-B41
Tel. : 313-390-4466
kplatten@ford.com

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Wednesday, January 09, 2002 11:58 AM
To: 'Khan, Naveed (N.A.)'; Williams, Les (LHW.)
Cc: Boals, Sandra (S.L.); Shiraishi, Masaru (M.); Kwon, Soon (S.K.);
Dalbo, Bob (R.J.); Plattenberger, Karl (K.J.); McGee, Brett (B.L.);
Szczepanski, Kyoko (K.)
Subject: RE: C11299286
Importance: High

No, Concern is live and well & we urgently need this change. Holdup is
Mazda approval of concern.
Les, did Mazda update you on if they could expedite approval?
Shiraishi-san, were you able to expedite approval this week?

-----Original Message-----

From: Khan, Naveed (N.A.) [mailto:nkhan3@visteon.com]
Sent: Wednesday, January 09, 2002 9:43 AM
To: 'Williamson, David (D.E.)'
Cc: Khan, Naveed (N.A.); 'sboals@ford.com'
Subject: FW: C11299286

Dave,
Did Ford reject the Concern C11299286 ? Does that mean we are not replacing
the MAFS or what? Please explain.
Regards,

Naveed Khan
Product Design Engineer
Truck AIS Product Engineering, Visteon
Visteon Powertrain Product Development
Phone: (313)75-57189, Fax: (313)75-52992
Text Page: <mailto:3137938344@alphapage.airtouch.com>
Cube : C164
email: <mailto:nkhan3@visteon.com>

> -----Original Message-----

> From: Bookout, Amanda (A.M.)

> Sent: Wednesday, January 09, 2002 7:56 AM
> To: Khan, Naveed (N.A.); Bishop, Chris (C.B.); Ross, Ralph (R.J.);
> Driscoll, James (J.C.)
> Cc: Griffin, Dawn (D.E.)
> Subject: C11299286
>
> Hello:
>
> Ford program management has rejected the above concern that was intended
> to:
>
> REPLACE CURRENT MAFS WITH NEW MAFS MORE ROBUST TO EMC
> REPLACE XF2F-12B579-AA WITH 1L2F- -BA
>
> Please advise Dawn of next step actions for this situation. Thank you.
>
> Regards,
>
> Amanda M. Bookout
> Visteon Materials Management
> Bill of Material Specialist - VEMA, C143
> Phone: 313-755-7574 Fax: 313-755-2372
> Email: abookout@visteon.com
>
>

From: Takasawa, Keith (K.D.)
Sent: Wednesday, January 09, 2002 1:11 PM
To: Inoue, Hiroshi (H.); Kawasaki, Shunsuke (S.); Nagamoto, Yoshinori (Y.)
Cc: Powers, Ken (K.W.); Grandinett, Dave (D.H.); Hofman, Michael (M.V.); Sullivan, Jamie (J.P.); Kuo, Benjamin (B.Y.); Plattenberger, Karl (K.J.); Kwon, Soon (S.K.)
Subject: FW: C11299286

Importance: High

I would appreciate your help in getting this change approved immediately at Mazda. This is required to help reduce the engine stalls in the field. It has been proven out and is ready for production.

Regards,

Keith Takasawa

Escape/Tribute Chief Engineer
PDC 2HD70
MD401
PH: (313) 322-5675
FAX: (313) 248-8599
E-MAIL: KTAKASAW@FORD.COM
TEXT PAGE: 7346045034@mobile.att.net

-----Original Message-----

From: Sullivan, Jamie (J.P.)
Sent: Wednesday, January 09, 2002 12:51 PM
To: Takasawa, Keith (K.D.)
Subject: FW: C11299286
Importance: High

-----Original Message-----

From: Plattenberger, Karl (K.J.)
Sent: Wednesday, January 09, 2002 12:15 PM
To: Chapman, Val (V.J.); Sullivan, Jamie (J.P.)
Cc: Kwon, Soon (S.K.); Williamson, David (D.E.)
Subject: FW: C11299286
Importance: High

Is there anything that can be done?
Karl Plattenberger
U204 PTSE 2002 MY Project Management
PDC 2F-B41
Tel. : 313-390-4456
kplatten@ford.com

-----Original Message-----

From: Williamson, David (D.E.)
Sent: Wednesday, January 09, 2002 11:58 AM
To: 'Khan, Naveed (N.A.)'; Williams, Les (LHW.)
Cc: Soals, Sandra (S.L.); Shiraishi, Masaru (M.); Kwon, Soon (S.K.); Dalbo, Bob (R.J.); Plattenberger, Karl (K.J.); McGee, Brett (B.L.);

Szczepanski, Kyoko (K.)
Subject: RE: C11299286
Importance: High

No, Concern is live and well & we urgently need this change. Holdup is Mazda approval of concern.

Les, did Mazda update you on if they could expedite approval? Shiraishi-san, were you able to expedite approval this week?

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From: Khan, Naveed (N.A.) [mailto:nkhan3@visteon.com]
Sent: Wednesday, January 09, 2002 9:43 AM
To: 'Williamson, David (D.E.)'
Cc: Khan, Naveed (N.A.); 'sboals@ford.com'
Subject: FW: C11299286

Dave,

Did Ford reject the Concern C11299286 ? Does that mean we are not replacing the MAFS or what? Please explain.

Regards,

Naveed Khan

Product Design Engineer
Truck AIS Product Engineering, Visteon
Visteon Powertrain Product Development
Phone: (313)75-57189, Fax: (313)75-52992
Text Page: <mailto:3137938344@alphapage.airtouch.com>
Cube : C164
email: <mailto:nkhan3@visteon.com>

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> To: Khan, Naveed (N.A.); Bishop, Chris (C.B.); Ross, Ralph (R.J.);
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> REPLACE CURRENT MAFS WITH NEW MAFS MORE ROBUST TO EMC
> REPLACE XF2F-12B579-AA WITH 1L2F- -BA

> Please advise Dawn of next step actions for this situation. Thank you.

> Regards,

> Amanda M. Bookout
> Visteon Materials Management
> Bill of Material Specialist - VEMA, C143
> Phone: 313-755-7574 Fax: 313-755-2372
> Email: abookout@visteon.com

v

From: Shiraishi, Masaru (driveline@earthlink.net)
Sent: Wednesday, January 09, 2002 5:31 PM
To: Inoue, Hiroshi (H.); Kwon, Soon (S.K.); Williamson, David (D.E.)
Cc: PTP Ichikawa, Junichiro; PTP Hamano, Naoumi; Takubo, Hiroichi (H.); Kawasaki, Shunsuke (S.)
Subject: C11299286/DURATEC MAF Change

Kwon-san

Thank you for your support.

In order to get approval from Hiroshima for MAF change of Duratec Stall issue,
I would like to ask you to arrange meeting with Hiroshima team.
Hiroshima team would like to know Overall view of stall issue and detail information of each countermeasure.
Please set pic-tel meeting.

Meeting Agenda

- 1) Overall plan and schedule.
 - 2) Root Cause analysis result.
 - 3) Technical information of each countermeasure.
 - What is concern
 - Root Cause
 - Countermeasure
 - Improvement effect
- A) MAF sensor change for EMC.
 - B) EVAP Canister
 - C) IAC Calibration Change
 - D) PCV Concern
 - E) IAC Valve Concern

Your cooperate will be appreciated.

Regards

Masaru Shiraishi
Mazda North American Operations
U204 Core Team
Transmission and Driveline
Tel 313-845-1163
Fax 313-845-9162

-----Original Message-----

From: Inoue, Hiroshi (H.) [mailto:hinoue1@ford.com]
Sent: Wednesday, January 09, 2002 2:11 PM
To: driveline@earthlink.net
Cc: Takubo, Hiroichi (H.); Kawasaki, Shunsuke (S.)
Subject: RE: C11299286

Please help the communication between Ford PT and Hiroshima for quick closing. Thanks.

Hiro Inoue

Mazda Chief Program Engineer, J14 Program
Phone: 313-845-8179
Fax: 313-248-7059
Cellular: 248-320-7670

-----Original Message-----

From: Inoue, Hiroshi (H.)
Sent: 2002?1?9? 13:50
To: Kawasaki, Shunsuke (S.); Takubo, Hiroichi (H.)
Cc: Powers, Ken (K.W.); Grandinett, Dave (D.H.); Hofman, Michael (M.V.);
Sullivan, Jamie (J.P.); Kuo, Benjamin (B.Y.); Plattenberger, Karl (K.J.);
Kwon, Soon (S.K.); Takasawa, Keith (K.D.); Nagamoto, Yoshihito (Y.)
Subject: RE: C11299286

Kawasaki-san & Takubo-san,
Would you clarify why Hiroshima rejected C11299286 and accelerate
communication to exhaust? I suppose the total 3 weeks holidays in
US and Japan made the timing critical.

Hiro Inoue
Mazda Chief Program Engineer, J14 Program
Phone: 313-845-8179
Fax: 313-248-7059
Cellular: 248-320-7670

-----Original Message-----

From: Takasawa, Keith (K.D.)
Sent: 2002?1?9? 13:11
To: Inoue, Hiroshi (H.); Kawasaki, Shunsuke (S.); Nagamoto, Yoshihito (Y.)
Cc: Powers, Ken (K.W.); Grandinett, Dave (D.H.); Hofman, Michael (M.V.);
Sullivan, Jamie (J.P.); Kuo, Benjamin (B.Y.); Plattenberger, Karl (K.J.);
Kwon, Soon (S.K.)
Subject: FW: C11299286
Importance: High

I would appreciate your help in getting this change approved immediately at
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Regards,

Keith Takasawa

Escape/Tribute Chief Engineer
PDC 2HD70
MD401
PH: (313) 322-5675
FAX: (313) 248-8599
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From: Sullivan, Jamie (J.P.)
Sent: Wednesday, January 09, 2002 12:51 PM
To: Takasawa, Keith (K.D.)

Subject: FW: C11299286
Importance: High

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From: Plattenberger, Karl (K.J.)
Sent: Wednesday, January 09, 2002 12:15 PM
To: Chapman, Val (V.J.); Sullivan, Jamie (J.P.)
Cc: Kwon, Soon (S.K.); Williamson, David (D.E.)
Subject: FW: C11299286
Importance: High

Is there anything that can be done?
Karl Plattenberger
U204 PTSE 2002 MY Project Management
PDC 2F-B41
Tel. : 313-390-4466
kplatten@ford.com

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From: Williamson, David (D.E.)
Sent: Wednesday, January 09, 2002 11:58 AM
To: 'Khan, Naveed (N.A.)'; Williams, Les (LHW.)
Cc: Boals, Sandra (S.L.); Shiraishi, Masaru (M.); Kwon, Soon (S.K.);
Dalbo, Bob (R.J.); Plattenberger, Karl (K.J.); McGee, Brett (B.L.);
Szczepanski, Kyoko (K.)
Subject: RE: C11299286
Importance: High

No, Concern is live and well & we urgently need this change. Holdup is
Mazda approval of concern.

Les, did Mazda update you on if they could expedite approval?
Shiraishi-san, were you able to expedite approval this week?

-----Original Message-----

From: Khan, Naveed (N.A.) [mailto:nkhan3@visteon.com]
Sent: Wednesday, January 09, 2002 9:43 AM
To: 'Williamson, David (D.E.)'
Cc: Khan, Naveed (N.A.); 'sboals@ford.com'
Subject: FW: C11299286

Dave,
Did Ford reject the Concern C11299286 ? Does that mean we are not replacing
the MAFS or what? Please explain.
Regards,

Naveed Khan
Product Design Engineer
Truck AIS Product Engineering, Visteon
Visteon Powertrain Product Development
Phone: (313)75-57189, Fax: (313)75-52992
Text Page: <mailto:3137938344@alphapage.airtouch.com>
Cube : C164
email: <mailto:nkhan3@visteon.com>

> -----Original Message-----

> From: Bookout, Amanda (A.M.)

> Sent: Wednesday, January 09, 2002 7:56 AM

> To: Khan, Naveed (N.A.); Bishop, Chris (C.B.); Ross, Ralph (R.J.);

> Driscoll, James (J.C.)

> Cc: Griffin, Dawn (D.E.)

> Subject: C11299286

>

> Hello:

>

> Ford program management has rejected the above concern that was intended

> to:

>

> REPLACE CURRENT MAPS WITH NEW MAPS MORE ROBUST TO EMC

> REPLACE XF2F-12B579-AA WITH 1L2F- -BA

>

> Please advise Dawn of next step actions for this situation. Thank you.

>

> Regards,

>

> Amanda M. Bookout

> Visteon Materials Management

> Bill of Material Specialist - VEMA, C143

> Phone: 313-755-7574 Fax: 313-755-2372

> Email: abookout@visteon.com

>

>

From: Shiraishi, Masaru [driveline@earthlink.net]
Sent: Thursday, January 10, 2002 11:39 PM
To: PTC Kihara, Tatsuhiko; PTC Kadowaki, Takashi; Plattenberger, Karl (K.J.); Williamson, David (D.E.); Kwon, Soon (S.K.); PMO Kawasaki, Syunsuke; J14Z Inoue, Hiroshi; PTP Ichikawa, Junichiro; PTP Takubo, Hirochi
Cc: Morishima, Shigeaki (S.)
Subject: C11299286 MAF SENSOR ENGINEERING CHANGE

Today I have got the technical data of MAF improvement for EMC from Morishima-san.

- 1) Test result of On board EMC evaluation
- 2) Test result of Outside EMC evaluation
- 3) FORD EMC criteria
- 4) EMC test result by Mazda

I sent this material to Mazda PT promotion group Ichikawa-san and explained the contents.

Point of this material is that there is improvement for EMC around 11.5 MHz.

(Engine Stall at 22 V/m changed to Stumble at 49 V/m)

Ichikawa-san will discuss this to PT Control group engineer and reply to Kwon-san.

Kwon-san

Thank you for your controlling this issue.

If you have any technical data regarding stall issue, please share me.

Masaru Shiraishi
Mazda North American Operations
U204 Core Team
Transmission and Driveline
Tel 313-845-1163
Fax 313-845-9162

From: Moorhouse, Scott (S.R.)
Sent: Monday, August 20, 2001 10:23 AM
To: Hofman, Michael (M.V.); Dalbo, Bob (R.J.); Fascetti, Bob (R.J.); Corbett, Sandra (S.M.)
Cc: Powers, Ken (K.W.); Fuller, Payton (P.D.); Taylor, Perry (P.Alien.); Altonian, Don (D.J.);
Kwon, Soon (S.K.)
Subject: U204 evaluation drive, 4 September

In an effort to get the most out of the drive evaluation planned for the 1PP units in September, I have requested that a "stalls" route be included that will include rolling hills of Southern Missouri/Northern Arkansas.

The majority of stalls on the vehicle are of a "coast down" variety that are as yet unexplained. I have discussed this with Ken Powers, and we felt it appropriate to take advantage of these vehicles for this, in addition to validating the cal/trans/cat changes coming in October.

We have accomplished much relative to stalls in just the past couple of weeks, but there is still much more to understand, and I expect that Mazda will come prepared to make it an emotional topic for the Aug. 30 VQR. Good participation in this drive will definitely send the right signal, and may help find root cause for this most elusive vehicle concern.

From: Moorhouse, Scott (S.R.)
Sent: Thursday, June 28, 2001 9:56 AM
To: Dalbo, Bob (R.J.)
Cc: Kwon, Soon (S.K.); Corbett, Sandra (S.M.); Moorhouse, Scott (S.R.)
Subject: Stall while driving

Darrell Huddleston is a member of the PVT that owns a 2001 Mazda Tribute with 3.0L engine. He has been very helpful in the past with making his vehicle available for testing a variety of things, including revised fuel senders, etc. He has owned the vehicle since March, and has approx. 5000 miles on it.

Last night, after leaving KCAP, he experienced a stall while moving thirty miles per hour. The vehicle had sat at KCAP all day, with temperatures at approx. 90 degrees. Darrell started the vehicle at 3:30, and put the vehicle on MAX AC, with blower on high (fourth setting). He sat for 3-5 minutes in this condition, waiting for his wife to exit the plant and join him.

They then took off, reducing blower speed to third setting. They had traveled approx. 1.5 miles, when they began to go down a hill. Darrell says that he had let off the throttle while travelling down the hill. When he reached the bottom, and started to go back up, he noticed that the steering had become stiff (lack of power assist), and that the engine had died.

He pulled off the road, started the vehicle, and proceeded without incident.

This was not the usual route that Darrell and his wife take home. And summer has definitely arrived here in the Midwest. If there is something that I can be looking at here during plant shutdown, please let me know. Darrell will be on vacation next week, back the next.

We have a percentage of stall claims similar to this in warranty, as we have discussed. Darrell has also agreed to have a flight recorder installed in his vehicle if we wish.

From: Bhojwani, Kamal (K.)
Sent: Wednesday, September 26, 2001 4:55 PM
To: Kwon, Soon (S.K.); Dalbo, Bob (R.J.); Fournelle, Gilbert (G.); Lintiac, Steven (.); Marck, Edmond (E.C.); Alfoonian, Don (D.J.); Moorhouse, Scott (S.R.)
Subject: Staff VOQ Data for Escape and Tribute

Some of you may be receiving the Escape VOQ data for the second time (I forgot to include a few people the first time). Here are the most recent copies for both Escape and Tribute.



Escape Staffs VOQ Tribute Staffs VOQ
9_26_01.xls 9_26_01.xls_

Regards,

Kamal Bhojwani

U204 3.0L Powertrain Calibration

TRE, Suite 1A830

Phone: (313) 39-01969

Fax: (313) 32-31786

Item No	CDI No	Manufacturer	Model Yr	Model	Vin	Failure Date	Letter Date	Accident	Injured	Fault	Fire	Part Name	City	State	Miles
9	581408	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04141KF18728	12-Apr-01	31-May-01			ERRATIC OPERATION POOR PERFORMANCE		ELECTRICAL SYSTEM	CANADA	KY	0
11	581780	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04101KB6100	1-Jan-01	2-Jul-01	N		ERRATIC OPERATION POOR PERFORMANCE	N	ENGINE	UTICA	PA	2
15	747322	FORD MOTOR COMPANY	2001	ESCAPE	1FMCU04101KB91088	28-Jan-01	30-Jun-01			INOPERATIVE	N	ENGINE	KING OF PRUSSIA	PA	117
19	750043	FORD MOTOR COMPANY	2001	ESCAPE	1FMCU04161KB90277		8-Aug-01			INOPERATIVE		ENGINE	CHESTERFIELD	MO	0
22	584758	FORD MOTOR COMPANY	2001	ESCAPE		8-Aug-01	20-Aug-01	N		ERRATIC OPERATION POOR PERFORMANCE	N	STEERING POWER ASSIST	DUNDEE	OR	0
25	751047	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU01131KE56540		24-Aug-01			ERRATIC OPERATION POOR PERFORMANCE	N	POWER TRAIN TRANSMISSION AUTOMATIC	LAND O LAKES	FL	0
27	781237	FORD MOTOR COMPANY	2001	ESCAPE	1FMCU041D1KB40572	7-Aug-01	27-Aug-01			ERRATIC OPERATION POOR PERFORMANCE	N	ELECTRICAL SYSTEM IGNITION	FAIRFAX STATION	VA	2400
40	658589	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04131KF13772	17-Nov-00	14-Dec-00			INOPERATIVE		STEERING	BALLSTON S	NY	0
42	740033	FORD MOTOR COMPANY	2001	ESCAPE	1FMCU04131KR08487	22-Dec-00	27-Jan-01			ERRATIC OPERATION POOR PERFORMANCE	N	EXHAUST SYSTEM	NEWBURYPORT	MA	1600
54	744822	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU018X1KE84089		2-May-01			ELECTRICAL SHORT ELECTRICAL SHOCK	N	ELECTRICAL SYSTEM WIRING HARNESS UNDER DASH	LEBANON	OH	0
71	745811	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04111KF97065	7-Mar-01	24-May-01			DESIGN	N	STEERING ANTI-THEFT CONTROLLER (SEE 08580000)	HAKU	HI	2500
80	789090	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04111KF16850	1-Jan-01	6-Jan-01			ELECTRICAL SHORT ELECTRICAL SHOCK	N	ELECTRICAL SYSTEM	CLARK'S SUMMIT	PA	3000
100	743710	FORD MOTOR COMPANY	2001	ESCAPE	1FMCU03141KF42807	2-Apr-01	6-Apr-01			INOPERATIVE	N	ENGINE	TALLAHASSEE	FL	2120
102	743953	FORD MOTOR COMPANY	2001	ESCAPE	1FMCU04111KB02817	12-Apr-01	12-Apr-01			INOPERATIVE	N	ENGINE	CHESTERFIELD	MO	350
121	690420	FORD MOTOR COMPANY	2001	ESCAPE	1FMCU04171KB50826	12-Jun-01	14-Jun-01	N		ELECTRICAL SHORT ELECTRICAL SHOCK	N	ELECTRICAL SYSTEM FUSE AND FUSE RECEPTACLE	DANVILLE	MI	850
123	690435	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04131KD92807		15-Jun-01	N		INOPERATIVE	N	ELECTRICAL SYSTEM IGNITION	LITTLE FERRY	NJ	0
124	746727	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04161KA58826	5-Jun-01	12-Jun-01			INOPERATIVE	N	ENGINE	KNOXVILLE	TN	0
128	745806	FORD MOTOR COMPANY	2001	ESCAPE			19-Jun-01			DESIGN	N	TIRES	CAMP HILL	PA	0
128	745328	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04141KB81818		12-Jul-01			ERRATIC OPERATION POOR PERFORMANCE		ENGINE	STUARTS DRAFT	VA	0
128	745474	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04121KB81874	9-Jul-01	15-Jul-01			ERRATIC OPERATION POOR PERFORMANCE	N	ENGINE	WAVERLY	NY	1548

EAGLE-07-0-5891

Summary

VEHICLE STALLED; DEALER STATED FAILURE WAS DUE TO AN ELECTRICAL PROBLEM; AFTER ELECTRICAL REPAIR THE PANIC LIGHTS AND HORN HAVE ACTIVATED FOUR TIMES FOR NO REASON; CONSUMER STATES THE CIGARETTE LIGHTER HAS NEVER WORKED. *SLC

WHILE DRIVING DOWN HILL VEHICLE STALLED WITHOUT PRIOR WARNING; CAUSING LOSS OF ALL POWER STEERING AND BRAKING ABILITY. CONSUMER HAS CONTACTED DEALER; DEALER NOT WILLING TO PROVIDE ANY ASSISTANCE. *AK CONSUMER STATES ANOTHER DEALER REPAIRED VEHICLE BY REPLACING THE RELAY. *SLC

WHILE DRIVING 35-40 MPH ON LEVEL ROAD; ENGINE SHUTDOWN; POWER STEERING LOST; POWER ASSIST BRAKING LOST; 3 OCCURRENCES SAME SITUATION; SAME ROAD & APPROXIMATE LOCATION AND TIME OF DAY; THIS IS THE SECOND VEHICLE TO WHICH THIS HAS HAPPENED; DEALER HAS VEHICLE. *AK

STALLED WHILE TRAVELING 35 MPH TWO SEPARATE TIMES. CAN'T FIND PROBLEM. *AK

WAS TRAVELING 40MPH ON HIGHWAY WENT TO CHANGE LANES AND POWER STEERING DIDNT RESPOND. DEALERSHIP WAS AWARE OF PROBLEM. *AK

ENGINE STALLS WHEN SHIFTING FROM DRIVE TO REVERSE. ENGINE HAS STALLED WHEN COASTING IN TRAFFIC. DEALER CANNOT FIND/REPAIR PROBLEM. *AK

WHILE THE ESCAPE IS DRIVING AT NO PARTICULAR SPEED; THE STEERING WHEEL TUGS A LITTLE THEN IT LOCKS COMPLETELY UP; THEN THE BRAKES FAIL; THE ENGINE LIGHT COMES ON AND THE ONLY WAY TO GET THE CAR TO STOP IS TO USE THE EMERGENCY BRAKE. MY ESCAPE HAS DONE THIS THREE TIMES SINCE I BOUGHT IT IN MAY OF THIS YEAR. TWO OF THE INCIDENTS ALMOST RESULTED IN CAR ACCIDENTS BECAUSE THE CAR CAN NOT BE STEERED. THE CAR TOTALLY FREEZES UP WITH ALL ENGINES LIGHTS COMING ON. THE SPEED DOESNT SEEM TO BE A FACTOR. ALL THREE OCCASSIONS MY CD PLAYER HAS BEEN ON; THE AIR HAS BEEN ON LOW AND MY LIGHTS HAVE BEEN ON. AFTER THE CAR FINALLY STOPS BY USING THE EMERGENCY BRAKE; I SHUT EVERYTHING OFF AND IT STARTS RIGHT BACK UP AGAIN.

CONSUMER NOTICED THAT THE STEERING WAS VERY TIGHT AND WAS HAVING TROUBLE KEEPING THE VEHICLE ON THE ROAD. NLM

NO SUMMARY LISTED FOR ABOVE VEHICLE. *AK

NO SUMMARY LISTED FOR ABOVE VEHICLE. *AK

DRIVING DOWN A SLIGHT GRADE THE ENGINE JUST CUT ON SIX OCCASIONS AT THE SAME LOCATION ADJACENT TO A CELLULAR ANTENNA TOWER. TOOK VEHICLE TO DEALER WHO SAID THE DIAGNOSTIC COMPUTER CODE INDICATED INTERRUPTION IN THE ANTI-THEFT SMART KEY SYSTEM. WHEN THE SAME PROBLEM REOCCURRED; THE DEALER HAD THE CAR FOR A WEEK AND FORD'S SERVICE HOTLINE TOLD THEM TO SHIELD THE IGNITION AND ADD GROUNDING TO THAT ELECTRICAL SYSTEM. THE ENGINE HAS SHUT DOWN ONCE AGAIN AND DEALER WANTS US TO BRING CAR BACK SO THEY CAN TRY TO DUPLICATE FAILURE WHILE HOOKED UP TO THEIR SERVICE COMPUTER. OCCURRED

VEHICLE LOST ELECTRICAL POWER; INCLUDING IGNITION WHILE TRAVELING AT 80 MPH. IF THE VEHICLE HAD BEEN IN THE PASSING LANE OR IN A TUNNEL UPCOMING IN 95 MILES; THE ACCIDENT WOULD HAVE BEEN VERY SERIOUS AND VERY LIKELY CATASTROPHIC. VEHICLE WAS TOWED 100 MILES TO GIBBONS FORD. IT REMAINS THERE AS OF 6 JAN 01. *AK

ENGINE SHUT OFF WHILE DRIVING DOWN A HILL HAS HAPPENED TO ME FOUR TIMES THIS WEEK. CAUSES LOSS OF POWER-ASSISTED BRAKES AND STEERING. VEHICLE PUT IN DEALER SHOP ON 4/5/2001. NO REPAIRS MADE BECAUSE DEALER COULD NOT DUPLICATE THE PROBLEM IN THE SHOP.

DRIVING DOWN A BUSY STREET; DOWN A SLIGHT GRADE ABOUT 48 MPH; THE CAR SUDDENTLY DIED. I HAD TO PULL OVER TO THE SIDE OF THE ROAD. I WAITED A COUPLE OF MINUTES AND IT RESTARTED. THERE WAS NO INDICATION OF ANY PROBLEM PRIOR TO THIS. *AK

VEHICLE LOST ALL POWER COMPLETELY. WAS TOWED TO DEALER. DEALER REPAIRED SHORT IN WIRING HARNESS. REPAIRED/RELOCATED HARNESS AND REPLACED NECESSARY FUSES. TESTED BEPC-1000. REPAIR WAS MADE UNDER WARRANTY. *AK *SLC

WHILE DRIVING AT ANY SPEED VEHICLE COMPLETELY SHUTDOWN WITHOUT WARNING; CAUSING LOSS OF POWER BRAKES AND STEERING CONTROL; NEARLY CAUSING A COLLISION. DEALER REPLACED ENGINE WHICH HAS NOT CORRECTED THE PROBLEM. PLEASE GIVE ANY FURTHER DETAILS. *AK

WHILE DRIVING AT ABOUT 35-40 MPH; THE ENGINE JUST QUITS. ONCE I COME TO A ROLLING STOP; I HAVE TO TURN THE CAR OFF AND RESTART IT. THIS IS THE SECOND TIME THIS HAS HAPPENED. *AK

(1) ENGINE HAS STARTED STALLING AT STOP SIGNS; WAITING FOR SOMEONE IN PARKING LOTS; ETC. (2) WHEN MAKING A HARD RIGHT TURN INTO A PARRING SPACED THERE IS A KIND OF CLICKING SOUND FROM THE FRONT TIRES AREA.

DRIVING 45-50 MPH WHEN ENGINE JUST SHUT DOWN. HAD ALL LOSS OF POWER INCLUDING STEERING AND BRAKES. COASTED TO EDGE OF ROAD; PLACED GEAR IN PARK AND SAT FOR A FEW MINUTES AND TRIED TO RESTART. WAS SUCCESSFUL AT RESTARTING WITH NO PROBLEM. THIS IS THE FIRST OF TWO INCIDENTS WITHIN A PERIOD OF 5 DAYS. THE SECOND HAPPENED AT 60 MPH. TO AFRAID TO ATTEMPT DRIVING ON INTERSTATE AND AM ON PINS AND NEEDLES ON RURAL ROADS. MADE APPT WITH DEALER THE FIRST BUSINESS DAY AFTER IT HAPPENED AND THEY ARE TRYING TO FIGURE IT OUT ALSO. JIM SNEAD FORD IS REPLACING THE IGNITION STARTER SWITCH HOPING THIS SOLVES THE PROBLEM. *AK

ENGINE SHUT OFF WHILE DRIVING DOWN A HILL WITHOUT PRIOR WARNING; LOSS OF POWER STEERING AND POWER BRAKES. PULLED OVER AND SHUT CAR OFF. WHEN I RESTARTED IT IT SEEMED TO WORK OK. TOOK IT TO THE GARAGE AND THEY SAID IT WAS RUNNING VERY HOT. CALLED FORD AND THEY MADE SUGGESTIONS ON A FIX. THEY ENDED UP REPLACING THE ERG VALVE. I HAVE DRIVEN IT FOR TWO DAYS AND IT HASNT HAPPENED AGAIN. YET. VERY DANGEROUS TO DRIVE WITH NO STEERING OR BRAKES. SOMEONE IS GOING TO END UP HURT BADLY OR KILLED. *AK

EP92-027-D 5082

Item No	CDI No	Manufacturer	Model Yr	Model	Vin	Failure Date	Letter Date	Accident	Injured	Fault	Fire	Part Name	City	State	Mile
130	748637	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU03151KB24743	14-Jun-01	17-Jul-01			DESIGN	N	ENGINE	DALLAS	TX	15100
132	749038	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04121KF70998	29-Jul-01	24-Jul-01			FLOODS/LEAKS	N	FUEL/FUEL INJECTION SYSTEM	SCHUYLKILL HAVEN	PA	6136
133	748472	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04111KF85559		30-Jul-01			ERRATIC OPERATION/POOR PERFORMANCE	N	ENGINE	CAMP HILL	PA	0
137	748638	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04111KB51789		2-Aug-01				N	ELECTRICAL SYSTEM:IGNITION	OAKHAM	MA	0
138	745705	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04121KF70998		3-Aug-01			ERRATIC OPERATION/POOR PERFORMANCE		ENGINE	SCHUYLKILL HAVEN	PA	0
144	894085	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04181KB81809	10-Aug-01	10-Aug-01	N		ERRATIC OPERATION/POOR PERFORMANCE	N	STEERING:POWER ASSIST	SHERMANSDALE	PA	2300
147	730043	FORD MOTOR COMPANY	2001	ESCAPE	1FMCU04181KB80277		6-Aug-01			INOPERATIVE		ENGINE	CHESTERFIELD	MO	0
150	782015	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04121KF57114	7-Sep-01	10-Sep-01			INOPERATIVE	N	ENGINE	RALEIGH	NC	11224
167	782210	FORD MOTOR COMPANY	2001	ESCAPE	1FMCU04181KA79177	17-Jul-01	15-Sep-01			DESIGN	N	ENGINE	GREER	SC	2480
158	782253	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04101KF34889	16-Sep-01	16-Sep-01			DESIGN	N	ENGINE	OMAHA	NE	0
163	582227	FORD MOTOR COMPANY	2001	ESCAPE	1FMCU03191KB14182	15-Jul-01	24-Jul-01			INOPERATIVE	N	ENGINE	MIAMI	FL	0
170	853698	FORD MOTOR COMPANY	2001	ESCAPE			21-Mar-01	N		ERRATIC OPERATION/POOR PERFORMANCE	N	BRAKES:HYDRAULIC:ANTI-SKID SYSTEM	EL SEGUNDO	CA	0
177	858311	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04181KA73138	30-Apr-01	16-May-01	N		DESIGN	N	ENGINE	COAL TOWNSHIP	PA	2000
162	745530	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04181KB81285	3-Nov-00	6-Jun-01			ELECTRICAL SHORT/ELECTRICAL SHOCK	N	ELECTRICAL SYSTEM	COCHRANVILLE	PA	626
155	748629	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU041151KB7005	2-Aug-01	4-Aug-01			ERRATIC OPERATION/POOR PERFORMANCE	N	ENGINE	WAPWALLOPE	PA	5200
156	894150	FORD MOTOR COMPANY	2001	ESCAPE	1FMYU04181KF17868	18-Jun-01	13-Aug-01	N		ERRATIC OPERATION/POOR PERFORMANCE	N	ENGINE	RENSSELAER	NY	5197

E082-027-D 5883

Summary

OUR CAR SPORADICALLY STALLS WHEN COASTING TO A STOP CHANGING GEARS FROM DRIVE TO REVERSE AND WHEN GOING OVER ANY SMALL BUMP IN THE ROAD. WE'VE TAKEN IT TO THE DEALER FOR REPAIR BUT THEY CLAIM THAT THEY'RE NOT ABLE TO REPLICATE THE PROBLEM. IT'S BEEN TO THE DEALER TWICE NOW AND THE STALLING HAS OCCURRED MORE THAN 16 TIMES IN A SPAN OF A MONTH. THE STALLING CAUSES ALL POWERED SYSTEMS TO FAIL (IE BRAKES STEERING). *AK

TRAVELING AT APPROXIMATELY 30MPH - CAR DID NOT SHUT OFF BUT LOST STEERING AND BRAKES. FROM TIME TO TIME THERE IS A GAS ODOR COMING FROM AIR VENTS. ALSO IN THE MORNING VEHICLE HESITATES WHEN PULLING OUT FROM A STOP SIGN. CAR WAS TOWED TO LOCAL FORD DEALERSHIP AND THEY WERE UNABLE TO DETERMINE PROBLEM. *AK

PREVIOUSLY REPORTED AS #748806. VEHICLE CONTINUES TO STALL OR ALMOST STALL AT STOP SIGNS OR IN SLOW MOVING TRAFFIC. HAS BEEN TO AN AUTHORIZED DEALER TWICE NOW TO NO AVAIL. IS CURRENTLY AT DEALER FOR THE THIRD TIME. (TIRE CLICKING REPORTED UNDER #748808 WAS FIXED...STONE CAUGHT DEEP INSIDE TIRE RIM) *AK

ENGINE HAS SHUT OFF 3 TIMES WHILE DRIVING SINCE CAR BOUGHT 8 WEEKS AGO. ALWAYS ON HILLY CURVEY ROAD DOING 35-40 MPH COASTING AND BRAKING LIGHTLY. CHECK ENGINE LIGHT COMES ON. POWER STEERING AND BRAKES GO. HAVE TO MUSCLE CAR TO ROADSIDE. TURNING OFF KEY AND RESTARTING SEEMS TO WORK. HAVE ALSO PUT IN NEUTRAL TURNED KEY OFF AND RESTARTED SHIFTING BACK INTO DRIVE. BEEN TO DEALER ONCE LAST WEEK FOR PROBLEM. THEY COULD NOT DETECT OR RECREATE. DEALER CONTACTED FORD HOT-LINE WHO MADE SUGGESTIONS TO NO AVAIL. DEALER SAYS THEY NOR FORD HAVE HEARD OF THIS PROBLEM. HARD TO BELIEVE THIS. HAVE SPOKEN WITH FORD CUSTOMER SERVICE TWICE SYMPATHETIC REACTION BUT WITH NO ADVICE OR SOLUTION. HAPPENED AGAIN YESTERDAY. CAR BACK TO DEALER NOW FOR WEEK WHILE ON VACATION. VERY AFRAID I'M GOING TO KILL MYSELF OR SOMEONE ELSE IN ACCIDENT. EXPRESSED CONCERNS TO DEALER AND FORD. THERE ARE 18 LIKE COMPLAINTS ON NHTSA SIGHT. IS ANYTHING BEING DONE? *AK

DRIVE DOWN A HILL AT APPROXIMATELY 30 MPH - ENGINE AND OIL LIGHT WENT ON. LOSS OF POWER AND CAR DID NOT APPEAR TO BE GETTING ANY GAS. CAR KEPT RUNNING. *AK

CONSUMER WAS TRAVELING ABOUT 45MPH ON A MOUNTAIN ROAD AND WITHOUT PRIOR WARNING ENGINE CHECK LIGHT CAME ON THE DASHBOARD. THEN THERE WERE NO BRAKES OR POWER STEERING. ALSO SPEED PEDAL WENT ALL THE WAY TO THE FLOOR. CONSUMER WAS ABLE TO CONTROL VEHICLE. DEALERSHIP WAS AWARE OF PROBLEMS. *AK

STALLED WHILE TRAVELING 35 MPH TWO SEPARATE TIMES. CANT FIND PROBLEM. *AK

THE SUV WAS PURCHASED NEW IN MID-DECEMBER 2000. ON 8/7/01 I WAS SLOWING DOWN ON A DOWNHILL SLOPE TO MAKE A RIGHT TURN WHEN THE SUV SHUT ITSELF OFF AND THE STEERING COLUMN LOCKED UP. IT HAD 1/8 TANK OF GAS. I SHIFTED THE AUTOMATIC INTO PARK TURNED THE KEY THE CAR STARTED AND I EXTRICATED MY 7 YEAR OLD SON AND MYSELF FROM THE BUSY INTERSECTION AND FROM THE MOUTH OF ON-COMING TRAFFIC (WE LANDED IN THE LEFT TURN LANE MUCH TO A JEEP'S DISMAY). I DROVE SLOWLY TO MY SON'S SCHOOL (3 BLOCKS DOWN) THEN TO WORK WHERE I NOTIFIED FORD VIA IT'S 800 NUMBER. I MADE AN APPOINTMENT FOR THAT AFTERNOON WITH THE DEALERSHIP TO HAVE THE CAR FIXED. I LEFT THE CAR WITH THE DEALERSHIP. ON 8/30/01 I CALLED AND THE DEALERSHIP SAID THE CAR WAS READY. I ASKED THE SERVICE MANAGER TO REVIEW THE REPAIRS WITH ME & MY HUSBAND AND TO EXPLAIN WHY THE REPAIR 'FIXED' THE PROBLEM. HE SAID THEY REPLACED A VALVE WHICH CONTROLS AIR FLOW. HE SAID THIS WOULD CAUSE THE CAR TO SHUT OFF ESPECIALLY IF I HAD BEEN ENGAGING THE BRAKES WHEN THE CAR SHUT OFF. I WAS ENGAGING THE BRAKES WHEN IT SHUT OFF SO I ACCEPTED THIS EXPLANATION. I PACKED MY 7 YEAR OLD INTO THE SUV AND LEFT. WITHIN 7-10 MILES THE CAR SHUT ITSELF OFF AGAIN (ONLY 28 HOURS AFTER THE FIRST 6 MOS OLD VEH; 4700 MILES; ENGINE HAS STALLED ON 3 SEPARATE OCCASIONS (MID-JUN MID-JUL EARLY SEP) WHILE TRAVELING AT 45 MPH; ORIGINAL DEALER COULD PROVIDE NO SOLUTION; CURRENTLY BEING EVALUATED AT 2ND LOCAL DEALER; SEEKING GUARANTEED RESOLUTION; REPLACEMENT VEHICLE OR REFLUND. *AK

ENGINE HAS STALLED FOUR TIMES IN BUSY TRAFFIC IN THE PAST TEN MONTHS. DEALER CANNOT DUPLICATE PROBLEM. *AK

WHILE DRIVING VEHICLE STALLED WHICH WAS THEN TOWED TO DEALERSHIP. CONSUMER WAS THEN INFORMED THAT THE PROBLEM COULD NOT BE DUPLICATED. *YD

WHILE TURNING VEHICLE ON NOTICED ALL DASH BOARD INDICATION LIGHTS ON BEGAN TO TRAVEL. WHEN DEPRESSING BRAKES VEHICLE WENT INTO EXTENDED STOPPING DISTANCE. PLEASE PROVIDE FURTHER INFORMATION. *AK

WHILE DRIVING AT 45MPH SUDDENLY VEHICLE STALLED OUT FOR NO REASON IN MIDDLE OF TRAFFIC. THIS WAS SECOND TIME IT HAS HAPPENED. WAS AT A STOP SIGN WHEN STALLING FIRST TIME. *AK *JB

TOTAL AND COMPLETE LOSS OF POWER AND ALL ELECTRICAL SYSTEM WHILE CAR IS BEING OPERATED ON BUSY ROADS

OVER A PERIOD OF 2 MONTHS THE CAR LOST ALL POWER DURING THE AM DRIVE TO WORK. THIS OCCURRED ON THREE SEPARATE OCCASSIONS ALMOST EXACTLY 7 MILES FROM MY HOME. GOING 20-30 MILES PER HOUR DURING EACH OCCURRENCE. CAR JUST LOSES ALL POWER AS WELL AS BRAKES STEERING ETC. PULLED OVER TO THE SIDE OF THE ROAD TURNED CAR OFF CAR STARTS UP AND DOES NOT RECUR FOR SEVERAL WEEKS. HAS BEEN BACK TO DEALER THREE TIMES- THEY CANNOT REPLICATED CANNOT FIX. THIS IS AN EXTREMELY DANGEROUS SITUATION- I AM MINUTES FROM THE INTERSTATE AND COULD BECOME A MAJOR PROBLEM. DEALER IS WELL AWARE THAT THIS IS THE LAST TIME. WE WILL EXPLORE GETTING A SWAP FROM FORD OR LEMON LAW IF WE HAVE TO. *AK

WHILE DRIVING ENGINE STALLED AND OIL LIGHT ILLUMINATED. CONSUMER CHECKED OIL LEVEL AND IT WAS AT THE NORMAL LEVEL. *SLC

Form No	ODI No	Manufacturer	Model Yr	Model	Vin	Failure Date	Letter Date	Accident	Injured	Fault	File	Part Name	City	State
7	866528	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08151KM15216	1-Apr-01	30-Aug-01	N		DESIGN	N	ELECTRICAL SYSTEM:IGNITION:SWITCH	PHILADELPHIA	PA
8	873718	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08191KM04542	3-Oct-00	24-Oct-00	N		ERRATIC OPERATION POOR PERFORMANCE	N	ELECTRICAL SYSTEM:IGNITION	ALEXANDRIA	VA
11	874818	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU07171KM16218	27-Oct-00	8-Nov-00	N		INOPERATIVE	N	ELECTRICAL SYSTEM:IGNITION	BERMINGHAM	AL
20	880285	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE		27-Oct-00	12-Mar-01			INOPERATIVE		ENGINE	CENTER POI	AL
22	887583	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU07171KM04085	2-May-01	7-May-01	N		ERRATIC OPERATION POOR PERFORMANCE	N	ENGINE	BURNINGHAM	AL
23	887820	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU07171KM16218	1-Oct-00	7-May-01	N		DESIGN	N	ENGINE	BURNINGHAM	AL
24	887858	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU07141KM10835	18-Mar-01	7-May-01	N		LOCKS UP:STICKS:GRABS	N	STEERING	WAIPAHU	HI
28	887781	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU07101KM14488	1-Nov-00	8-May-01	N		ERRATIC OPERATION POOR PERFORMANCE	N	ENGINE	FRANKLIN	LA
30	877779	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE			8-Jan-01	N		INOPERATIVE	N	STEERING	LOCUS VALLEY	NY
38	881173	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU09181KM08065	1-Oct-00	22-Feb-01	N		STALLS	N	ENGINE	HONOLULU	HI
43	885183	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08171KM02885		25-Jul-01	N		DESIGN	N	POWER TRAIN:TRANSMISSION:AUTOMATIC	THOMASVILLE	NC
44	888789	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	N/A	3-May-01	8-Aug-01	N		ERRATIC OPERATION POOR PERFORMANCE	N	ENGINE	BLOOMINGTON	IN
46	884057	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE		25-Sep-00	10-Aug-01	N		DESIGN	N	ENGINE	FAIRFIELD	OH
47	884285	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08141KM04885		14-Aug-01	N		ERRATIC OPERATION POOR PERFORMANCE	N	ENGINE	HATTIESBURG	MS
48	884407	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08131KM03388	17-Jul-01	15-Aug-01	N		STALLS	N	ENGINE	MONROVIA	MD
49	751485	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU07181KM47883	23-Aug-01	31-Aug-01			DESIGN	N	ELECTRICAL SYSTEM:IGNITION	ST. ANN	MO
50	751876	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE		3-Sep-01	5-Sep-01			ERRATIC OPERATION POOR PERFORMANCE	N	STEERING:POWER ASSIST	LITTLE ROCK	AR
53	882138	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08181KM01573	18-Feb-01	8-Jul-01	N		INOPERATIVE	N	ENGINE	LIL BURN	GA
58	780188	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08151KM88785	8-Aug-01	10-Aug-01			ERRATIC OPERATION POOR PERFORMANCE	N	ELECTRICAL SYSTEM:ALTERNATOR:GENERATOR	ROCKVILLE	MD
60	780637	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08181KM00508	18-Aug-01	18-Aug-01			INOPERATIVE	N	ELECTRICAL SYSTEM:IGNITION	GIBSONIA	PA

EPR2-827-D 5885

Miles	Summary
11500	VEHICLE HAS STALLED 5 TIMES ALWAYS AROUND 30-40 MPH. TAKEN TO DEALER 4 TIMES. REPLACED IGNITION SWITCH ONCE. CANNOT REMEDY. *AK
1008	WHILE DRIVING AT ABOUT 80 MPH AND COMING TO A FORK IN THE ROAD. AS SOON AS CONSUMER MERGED TO RIGHT STEERING WHEEL GOT VERY STIFF. THEN WHOLE DASH LIT UP. CONSUMER PUT ON BRAKES. PUT IN PARK AND WENT TO A MAZDA DEALER. DEALER COULD NOT FIND ANYTHING. AT ANOTHER DAY WHILE DRIVING AT 80 MPH CONSUMER WAS BEARING OVER. STEERING WHEEL GOT TIGHT AGAIN AND VEHICLE CUT OFF. *AK
450	VEHICLE STALLED OUT AND DIED WITHOUT WARNING. CAUSING LOSS OF STEERING AND BRAKES. DEALER HAS INSPECTED VEHICLE AND WAS NOT ABLE TO DUPLICATE OR CORRECT THE PROBLEM. *AK
450	THE VEHICLE SHUTS DOWN WITHOUT WARNING WHILE DRIVING DOWN HILL LEAVING THE DRIVER WITH NO BRAKES OR STEERING. NLM
900	VEHICLE STALLED AT 80 MPH. THIS HAPPENED ONCE. VEHICLE AT DEALER'S AT THIS TIME. *AK
4000	VEHICLE STALLED 3 TIMES AROUND 30 MPH. CONSUMER WAS ABLE TO RETURN VEHICLE UNDER LEMON LAW. *AK
4223	WHILE DRIVING STEERING LOCKED UP WITH LITTLE PRIOR WARNING. CONSUMER PULLED OVER AND WAITED WHICH ALLOWED STEERING TO COMEBACK. ON APRIL 25 2001 BEGAN HAVING PROBLEMS STARTING UP. DEALER HAS HAD VEHICLE FOR ABOUT A WEEK AND HAS NOT BEEN ABLE TO PROVIDE REMEDY. *AK
9600	CONSISTANTLY VEHICLE WOULD BEGIN TO STALL. DEALER HAS HAD VEHICLE ON NUMEROUS OCCASIONS BUT HAS NOT BEEN ABLE TO PROVIDE REMEDY. *AK
0	WHEN MAKING A LEFT TURN VEHICLE COMPLETELY LOSES ALL POWER STEERING CONTROL. CAUSE UNKNOWN. PLEASE GIVE ANY FURTHER DETAILS. *AK
2	WHILE DRIVING VEHICLE WILL STALL. THE STEERING AND BRAKES LOCK AND CONSUMER HAS NOT CONTROL. DEALER HAS MADE REPAIRS TO THE IGNITION SWITCH AND TAPPED NEW RELAY. HOWEVER STALLING STILL OCCURS. *BLC
0	WHEN STARTING VEHICLE AND PROCEEDING FROM PARK INTO TRAFFIC VEHICLE HESITATES AND NEARLY STALLS. CAUSE UNKNOWN. DEALER CANNOT IDENTIFY PROBLEM. PLEASE GIVE ANY FURTHER DETAILS. *AK
0	WHILE DRIVING AN APPLYING THE BRAKES VEHICLE WILL STALL. PROBLEM IS INTERMITTENT. *AK
20	WHILE DRIVING 30 TO 40 MPH DOWNHILL VEHICLE STALLS WITHOUT WARNING. ALSO VEHICLE LOSES ALL POWER. VEHICLE USUALLY STARTS BACK UP AGAIN. THIS HAPPENS LIKE ONCE A MONTH. PLEASE ADD VIN #. *AK
0	WHILE TRAVELING AND WITHOUT ANY INDICATION VEHICLE WOULD STALL. DEALER HAS BEEN CONTACTED. PLEASE PROVIDE FURTHER INFORMATION. *AK
1500	WHILE TRAVELING BETWEEN 30 AND 40 MPH ENGINE STALLED. CAUSING A LOSS OF POWER ASSISTED COMPONENTS. DEALERSHIP WAS IN POSSESSION OF VEHICLE FOR TWO WEEKS AND COULD NOT REPRODUCE PROBLEM. PLEASE PROVIDE ANY ADDITIONAL INFORMATION ATTACHMENTS. *AK
8570	VEHICLE STALLED WITHOUT WARNING WHEN ACCELERATING FROM A STOP SIGN. THE NEXT FAILURE OCCURED WHEN TRAVELING AT 40 MPH ACCELERATING ON AN ENTRANCE RAMP. THIRD FAILURE OCCURRED WHEN DECELERATING TO A STOP SIGN. ALL DASH LIGHTS COME ON AND STEERING GOES OUT. HOWEVER THE VEHICLE WILL IMMEDIATELY START AFTER PLACED IN NEUTRAL. THIS VEHICLE HAS BEEN TO THE DEALER ONE TIME BUT THE SERVICE DEPARTMENT WAS UNABLE TO DUPLICATE PROBLEM. DEALER HAS BEEN NOTIFIED OF THE CURRENT FAILURE BUT CAN OFFER NO SOLUTIONS. DEALER HAS ADVISED WILL CONTACT THEIR SERVICE REP. *AK
7000	VEHICLE HAS LOST STEERING AND BRAKE POWER ON HILLS AT SPEEDS AROUND 30-35 MPH. THE ONLY WAY TO REGAIN POWER IS TO CUT THE IGNITION. THIS IS AN EXTREME HEALTH HAZARD. OCCURRENCES ARE NUMEROUS AND THE DEALER HAS BEEN NOTIFIED.
5285	WHILE DRIVING AND MAKING A LEFT HAND TURN VEHICLE SUDDENLY DIED. NO PRIOR WARNING. THERE WAS NOT STEERING OR BRAKING. CONSUMER HAD TO STOP VEHICLE WITH EMERGENCY BRAKE. VEHICLE WAS STUCK IN TRAFFIC. CONSUMER HAD VEHICLE TOWED TO DEALER AND DEALER REPLACED ELECTRICAL RELAY SYSTEM. HOWEVER PROBLEM REOCCURRED ON JULY 30 2001 WHILE TRAVELING AT 48 MPH ON A DECLINE VEHICLE DIED AND EMERGENCY BRAKE WOULD NOT STOP VEHICLE. EVENTUALLY EMERGENCY BRAKE KICKED IN AND STOPPED VEHICLE. CONSUMER STATED THAT WHEN TRYING TO START AGAIN THERE WERE NO TRANSMISSION LIGHTS AND WOULD NOT GO INTO GEAR. CONSUMER HAD VEHICLE TOWED TO DEALER AND THEY COULD NOT DUPLICATE PROBLEM. PLEASE PROVIDE ANY FURTHER INFORMATION. *AK
74	VEHICLE GOING UPHILL. ENGINE STOPPED. BRAKES WERE USED TO STOP VEHICLE FROM ROLLING DOWNHILL. ENGINE LIGHT. BATTERY LIGHT AND OIL LIGHT CAME ON. NO COMPONENTS WORKING INSIDE OF THE CAR EXCEPT THE WINDOWS. CAR REMAINED STATIONARY FOR 20 MINUTES WAITING ON HELP AND THEN STARTED AFTER SEVERAL TRES. SLIGHT SHIMMY WHILE DRIVING TO THE DEALER. ALONG WITH TACHOMETER JUMPING ABOUT ON AT A STEADY SPEED. *AK
7800	VEHICLE STALLED 1X GOING DOWN HILL AT 40 MPH. DIFFICULT TO STEER AND BRAKE TO STOP. *AK

EPC-027-0 5005

Item No	CCN No	Manufacturer	Model Yr	Model	Vin	Failure Date	Letter Date	Accident	Injured	Fault	Fire	Part Name	City	State
81	868108	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	PLEASE FILL IN	17-Aug-01	24-Aug-01	N		ERRATIC OPERATION POOR PERFORMANCE	N	ENGINE	GIBSONVILLE	NC
82	730898	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08181KM59460	20-Aug-01	21-Aug-01			ELECTRICAL SHORT ELECTRICAL SHOCK	N	ELECTRICAL SYSTEM:IGNITION	TUCSON	AZ
88	760963	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08181KM89243	18-Aug-01	22-Aug-01			ERRATIC OPERATION POOR PERFORMANCE	N	ENGINE	SAN MARCOS	CA
85	761308	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE		29-Aug-01	29-Aug-01			INOPERATIVE	N	ENGINE	JAMESTOWN	NC
73	743069	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08101KM19841	19-Oct-00	8-May-01			INOPERATIVE	N	ELECTRICAL SYSTEM:IGNITION	AUSTIN	TX
74	745127	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU07141KM10628	28-Apr-01	9-May-01			INOPERATIVE	N	ELECTRICAL SYSTEM:IGNITION	WAIPIAHU	HI
82	882001	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08181KM12830	10-Jan-01	6-Mar-01	N		INOPERATIVE	N	ENGINE	KAILUA	HI
86	744011	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08181KM08751	11-Dec-00	13-Apr-01			DESIGN	N	ENGINE	AUSTELL	GA
100	800833	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	FILL IN PLEASE	1-Nov-00	13-Jun-01	N		DESIGN	N	ENGINE	PITTSBURGH	PA
102	747085	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2CU08111KM00688	19-Jun-01	19-Jun-01			LOCKS UP STICKS GRABS	N	ENGINE	CHARLOTTE	NC
108	748672	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08111KM7704	8-Jul-01	17-Jul-01			ERRATIC OPERATION POOR PERFORMANCE	N	ENGINE	LIHUE	HI
110	748688	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2CU08161KM88711	31-Jul-01	2-Aug-01			ELECTRICAL SHORT ELECTRICAL SHOCK	N	ELECTRICAL SYSTEM:IGNITION	LITTLETON	CO
111	883738	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4S2YU08121KM70818	7-Aug-01	7-Aug-01	N		ERRATIC OPERATION POOR PERFORMANCE	N	STEERING ELECTRICAL SYSTEM:ALTERNATOR:GENERATOR	NEW PROVIDENCE	NJ
113	760188	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08151KM88788	9-Aug-01	10-Aug-01			ERRATIC OPERATION POOR PERFORMANCE	N	ENGINE	ROCKVILLE	MD
117	781860	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2YU08121KM11827	10-Nov-00	7-Sep-01			DESIGN	N	ENGINE	TYLER	TX
118	762108	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2CU08141KM83287	7-Sep-01	12-Sep-01			INOPERATIVE	N	ELECTRICAL SYSTEM:IGNITION	BELLEVILLE	IL
119	762217	MAZDA (NORTH AMERICA) INC	2001	TRIBUTE	4F2CU08181KM82954	10-Aug-01	16-Sep-01			INOPERATIVE	N	ELECTRICAL SYSTEM:IGNITION	BALTIMORE	MD

E982-827-D 0887

Make	Summary
594	3.0L ENGINE AT 45MPH VEHICLE STALLED WITHOUT WARNING. DEALER HAS INSPECTED VEHICLE AND COULD NOT DUPLICATE OR CORRECT THE PROBLEM. PLEASE PROVIDE ADDITIONAL INFORMATION.*AK
7001	THE TRIBUTE LOSS ALL POWER COMING DOWN A MOUNTAIN PASS. I STOPPED IT ON SIDE OF ROAD TURNED OFF. CHECKED OIL. IT WAS OK. SO I STARTED IT UP AND DROVE TO THE MAZDA DEALER. THEY PUT IT IN FOR SERVICE. WHEN I PICKED IT UP THEY SAID THERE WAS NOTHING WRONG WITH IT. THERE WAS NO PAPERWORK. THIS HAPPENED COMING DOWN A MOUNTAIN PASS WHICH IS HAS SEVERAL SHARP TURNS. I TRAVEL THIS PASS OFTEN AND FEEL THIS IS A SAFTY ISSUE THAT SHOULD BE ADDRESSED. I COULD HAVE BEEN ON A TURN WHEN THIS HAPPENED. THANK YOU FOR YOUR TIME. JUDY & BILL WHITNEY. *AK
5789	THE ENGINE STALLED WHILE THE TRUCK WAS BEING DRIVEN ON A FLAT DRY ROAD AT ABOUT 40 MPH WHEN THAT HAPPENED THE POWER STEERING AND THE POWER BRAKES STOPPED WORKING SO THE TRUCK WAS VERY HARD TO STEER AND TO STOP. THE DRIVER PULLED OVER AND THEN WAS ABLE TO START THE ENGINE AGAIN. THIS HAS ONLY HAPPENED ONCE TO US BUT THIS IS STILL VERY SERIOUS. WE THINK THIS SHOULD BE CONSIDERED A SAFETY HAZARD FOR THIS TRUCK. *AK
12844	ENGINE STALLED AFTER GOING DOWN A HILL AT 35-40 MPH. NO ENGINE WARNING LIGHT CAME ON. WAS ABLE TO RESTART WITHOUT FURTHER PROBLEMS.*AK
400	VEHICLE DIES WHILE DRIVING. THIS OCCURRED 3 TIMES; MAZDA AGREED TO REPURCHASE VEHICLE AFTER 4TH INSPECTION AND THEY CANNOT LOCATE THE PROBLEM. THEREFORE THEY CANT FIX IT. THIS IS A SERIOUS SAFETY HAZARD. MY NEIGHBOR TOLD ME THIS WEEK THAT THIS EXACT SAME STALLING PROBLEM HAS HAPPENED TO HER TWO TIMES. I FEEL THIS IS MORE THAN A COINCIDENCE AND THAT THERE IS A SEVERE STALLING PROBLEM AND A RECALL HAS YET TO BE DONE BY MAZDA. *AK
3502	STEERING SHUT DOWN. CAR DIE OUT AT 46MPH AND CAR STALLED. *AK
3070	VEHICLE HAS STALLED THREE TIMES. AFTER FIRST TIME TAKEN TO DEALER WHO REPAIRED IT. VEHICLE AT DEALER. *AK *SLC
1517	MY 2001 MAZDA TRIBUTE STALLS SUDDENLY WHILE DRIVING. THIS HAS OCCURRED 4 TIMES SINCE I PURCHASED THE VEHICLE IN NOVEMBER 2000. MY TRIBUTE IS CURRENTLY AT THE DEALER FOR THE THIRD TIME FOR THIS "STALLING" PROBLEM. I WAS CONTACTED BY AN INDIVIDUAL WITH THE MAZDA NORTH AMERICAN TECHNICAL HEADQUARTERS APRIL 12. THE MAZDA REPRESENTATIVE ASKED A BATTERY OF QUESTIONS PERTAINING TO THE VEHICLE STALLING. FORTUNATELY NO ONE HAS BEEN INJURED AT THIS TIME DUE TO THIS PROBLEM WHICH SEEMS TO HAVE NO RESOLUTION.*AK
8000	WHILE OPERATING VEHICLE ENGINE HAS STALLED THREE TIMES. DEALERSHIP HAS EXAMINED VEHICLE AND COULD NOT DETERMINE A REASON FOR PROBLEM. PLEASE PROVIDE ANY ADDITIONAL INFORMATION/ATTACHMENTS - SIGN & RETURN THIS FORM.*AK
654	I PURCHASED A 2001 TRIBUTE ON SUNDAY 8/17/01 WITH 420 MILES ON IT. TWO DAYS LATER TUESDAY 8/19/01 THE ENGINE COMPLETELY LOCKED UP ON ME TWICE IN THE SAME DAY. IT NOW HAS ONLY 682 MILES ON IT. LUCKLY BOTH TIMES I WAS ABLE TO AVOID A WRECK. THE ENGINE TOTALLY SHUTS DOWN MEANING NO STEERING, NO BRAKING. I WAS ABLE TO STOP BY USING THE EMERGENCY BRAKE AFTER STOPPING I HAD TO PUT THE CAR INTO PARK IN WHICH IT THEN RESTARTED. THIS ALL CAME IF NO WARNING AT ALL. I IMMEDIATELY TOOK THE CAR BACK. THE DEALERSHIP SAID THEY HAD NOT HAD ANY PROBLEMS LIKE THIS BEFORE OR ANY OTHERS. I NOW SEE THEY MUST OF BEEN MISTAKEN. BECAUSE IT SEEMS TO ME THAT THIS IS NOT THE FIRST TIME! I WILL TAKE AS MUCH OF THIS INFO. WITH ME BACK TO THE DEALERSHIP AND HOPE FOR THE BEST.*AK
8400	I WERE DRIVING DOWN A HILL WHEN MY CAR ENGINE DIES WHILE DRIVING ON THE HIGHWAY. THE RADIO DIES, A.C. ENGINE AND STEERING WHEEL TIGHTENS. THIS IS THE SECOND MAZDA TRIBUTE I OWNED IN A YEAR WITH THE SAME PROBLEM THAT THE COMPANY CANT FIX. THE OTHER 6 ARE NOT AS MAJOR. I FEEL THIS IS A LEMON AND A RECALL IF THE COMPANY CANT THE PROBLEM. SAFETY PLAY A BIG PART IN THIS CASE WHEN THE ENGINE DIES FOR NO REASON. THIS IS A HIGHWAY SAFETY ISSUE. *AK
1200	DRIVING AT APPROX 40-45 MPH AND ENTIRE BUJ SHUT DOWN MECHANICALLY AND ELECTRICALLY. COASTED TO STOP COULD NOT RE-START AGAIN UNTIL 10-15 MINUTES LATER. THIS IS THE SECOND OCCURENCE AND THE SAME SYMPTOMS. *AK
108	THE VEHICLE WAS ON LOCAL ROAD AND STEERING AND BRAKES WERNT RESPONDING. WAS ABLE TO COAST ALL THE WAY DOWN THE HILL. ONCE CONSUMER CAME TO A COMPLETE STOPO VEHICLE STARTED UP. DEALERSHIP WAS AWARE OF PROBLEM.*AK *SLC
74	VEHICLE GOING UPHILL. ENGINE STOPPED. BRAKES WERE USED TO STOP VEHICLE FROM ROLLING DOWNHILL. ENGINE LIGHT, BATTERY LIGHT AND OIL LIGHT CAME ON. NO COMPONENTS WORKING INSIDE OF THE CAR EXCEPT THE WINDOWS. CAR REMAINED STATIONARY FOR 20 MINUTES WAITING ON HELP AND THEN STARTED AFTER SEVERAL TRIES. SLIGHT SHIMMY WHILE DRIVING TO THE DEALER. ALONG WITH TACHOMETER JUMPING ABOUT ON AT A STEADY SPEED. *AK
500	WHEN COASTING DOWN HILL AT 30-40 MPH AND SLIGHTLY APPLING BRAKES. ENGINE DIES AND THE VEHICLE BECOMES INOPERABLE. THIS PROBLEM HAS OCCURRED 10 TIMES. AND THE VEHICLE HAS BEEN IN THE DEALER'S SHOP TWICE WITH THE PROBLEM. THE FIRST TIME. THE DEALER HAD NOT HEARD OF NOR COULD FIX THE PROBLEM. SEVERAL MONTHS LATER THE DEALER HAD HEARD OF THE PROBLEM BUT STEL HAD NO FIX. MAZDA WAS CONTACTED. KNEW OF THE PROBLEM. BUT HAD NOT RELEASED THE FIX. I CONTACTED MAZDA AND WAS TOLD THAT BOTH MAZDA AND FORD ENGINEERS WERE WORKING ON THE SOLUTION AND THE DEALERS WOULD BE NOTIFIED OF THE FIX WHEN AVAILABLE. IF THE SOLUTION IS NOT RESOLVED I WILL PERSUE A BUJ BACK UNDER THE LEMON LAW. THIS VEHICLE IS DRIVEN BY OUR SIXTEEN YEAR OLD SON WHO CARRIES HIS YOUNGER SISTER ALSO TO SCHOOL. WE ARE GREATLY CONCERNED FOR THEIR SAFETY. *AK
3550	THIS IS THE SECOND TIME THE CAR HAS DIED ON ME WHEN I WAS DRIVING; THE FIRST TIME WAS ON APRIL 20 NIGHT AFTER I PURCHASED THE CAR.*AK
1800	WHILE DRIVING VEHICLE STALLS AND LOSE POWER/STEERING. AFTER SAFELY GETTING MY CAR TO THE SIDE OF THE ROAD I AM ABLE TO RESTART THE CAR. THE DEALER HAS SEEN MY CAR TWICE NOW AND FINDS NOTHING WRONG WITH IT. AND EXPECTS ME TO DRIVE THE DEFECTIVE VEHICLE. THIS STALLING HAS HAPPENED TWICE NOW.*AK

From: Shinji Kanai [kanai.sh@sv.mazda.co.jp]
Sent: Thursday, May 10, 2001 4:02 PM
To: Kwon, Soon (S.K.); Dalbo, Bob (R.J.); Corbett, Sandra (S.M.)
Cc: 'K. Inooka'
Subject: RE: Tribute 3.0I PurgeDuty Part 2

MNAO FQS did not succeed to duplicate engine stall yet, it was engine rpm dropping. So they are continuing to monitor vehicle without any modification. After few more days try, I will request them to conduct Purge disconnecting.

Thank you for your suggestion.

Shinji Kanai

-----Original Message-----

From: Kwon, Soon (S.K.) [mailto:skwon@ford.com]
Sent: Thursday, May 10, 2001 2:50 PM
To: Dalbo, Bob (R.J.); Corbett, Sandra (S.M.)
Cc: Kanai, Shinji (S.)
Subject: FW: Tribute 3.0I PurgeDuty Part 2

<< File: Tribute RPM Drop.doc >> Bob, can you validate his claim on the relationship of purge during decel with engine stall ?

Kanai-san, have you attempted to disconnect the purge and try ?

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
452F WPC, 6111 Auto Club Drive, Dearborn 48126
Phone (313) 322-6844, Fax (313) 323-1153
Pager (888) 375-6922, email: skwon@ford.com

-----Original Message-----

From: Shinji Kanai [mailto:kanai.sh@sv.mazda.co.jp]
Sent: Thursday, May 10, 2001 3:00 PM
To: 'S. Moorhouse'; 'Miller, Brian (B.J.)'; 'Kwon, Soon (S.K.)'
Cc: 'King, Robert (R.P.)'; 'K. Inooka'
Subject: Tribute 3.0I PurgeDuty Part 2

Attachment shows WDS data screen.

Vehicle had engine stall once at traffic signal two weeks ago. MNAO FQS installed WDS on this vehicle and monitored.

This data recorded when driver noticed idle RPM drop (to 672 rpm) at half warmed engine.

Around -18sec. TP fully closed and O2 stayed at RICH position.
Then SHRTFT started to move lean direction.

Around -13 sec. TP still closed and O2 shifted from RICH to LEAN position.
Then SHRTFT switched from LEAN to RICH direction, but still minus condition.

Around -11 sec. Engine RPM dropped 572 rpm.
TP still closed and O2 stayed at LEAN position.
SHRTFT was going to RICH direction, but still minus.
Same time as engine rpm dropping, Purge Duty EVAPVM shut off.

Conclusion:

During deceleration condition, Purge continuously active and SHRTFT working to reduce fuel amount from O2 output.

During deceleration, Purge shut off causes sudden change A/F and engine rpm drop.
This phenomena is one of suspect cause of intermittent engine stall.

Please investigate this report. I would like to discuss with you this report and outstanding QAS handling for engine stall.

Shinji Kshai

——Original Message——

From: Steven Limtiaco [SLimtiac@mazdausa.com]
Sent: Thursday, October 18, 2001 1:15 PM
To: Dalbo, Bob (R.J.)
Cc: Kwon, Soon (S.K.); Bhojwani, Kamal (K.); Williams, Les (LHW.)
Subject: RE: Stall VOQ Data for Escape and Tribute



stall-VOQ
9_28_01.doc

Bob & Les,

Attached is the VOQ data file with vehicle histories. I'm now checking with Dan Rothweiler to find out the results of the VMV replacement and will send the results as soon as available.

Steve Limtiaco
Mazda North American Operations
Tribute Product Support Engineer
949-442-6514 (phone)
949-442-6599 (fax)
e-mail: slimtiac@mazdausa.com

-----Original Message-----

From: Dalbo, Bob (R.J.) [mailto:rdalbo@ford.com]
Sent: Thursday, October 18, 2001 10:20 AM
To: Limtiaco, Steven (S.)
Cc: Dalbo, Bob (R.J.); Kwon, Soon (S.K.); Bhojwani, Kamal (K.); Williams, Les (LHW.)
Subject: RE: Stall VOQ Data for Escape and Tribute

Steve,
I don't seem to have the file.

P.S. Did you hear anything more on the last vehicle Dan Rothweiler looked into? Did the VMV fix it?

Bob Dalbo
3.0L Calibration Supervisor
Outfitters Calibration, North American Truck
Phone: (313)24-84947 Fax: (313)32-31786
Pager: (313)795-2859 E-mail: rdalbo@ford.com

-----Original Message-----

From: Steven Limtiaco [mailto:SLimtiac@mazdausa.com]
Sent: Wednesday, October 17, 2001 7:19 PM
To: 'Bhojwani, Kamal (K.)'
Cc: Dalbo, Bob (R.J.); Kwon, Soon (S.K.)
Subject: RE: Stall VOQ Data for Escape and Tribute

Kamal,

Attached is the vehicle history of each VIN from the VOQ report. There are several VIN duplicates and also other VINs that are invalid. Let me know if you have any questions.

Steve Limtiaco
Mazda North American Operations
Tribute Product Support Engineer
949-442-6514 (phone)
949-442-6599 (fax)
e-mail: slimtiac@mazdausa.com

-----Original Message-----

From: Bhojwani, Kamal (K.) [mailto:kbhojwan@ford.com]
Sent: Friday, September 28, 2001 11:37 AM
To: Limtiaco, Steven (S.)
Cc: Dalbo, Bob (R.J.); Kwon, Soon (S.K.)
Subject: FW: Stall VOQ Data for Escape and Tribute

Steve,

I sent this VOQ data to you yesterday as well. This is data from NHTSA's website and will be the information that they use if they approach Ford or Mazda regarding stalls. Can you cross-reference these VIN's with PQI and find out what was done to these units and if all of these fall under the Phantom stall criteria? Some of these may have been fixed, some may have a known bad part. We want to try to sort these as best as we can right now for the CCRG. This is one of the assignments we walked away with from yesterday's meeting.
Thanks!

Regards,
Kamal Bhojwani
U204 3.0L Powertrain Calibration
TEE, Suite 1AE30
Phone: (313) 39-01969
Fax: (313) 32-31786

> -----Original Message-----

> From: Bhojwani, Kamal (K.)
> Sent: Wednesday, September 26, 2001 4:55 PM
> To: Kwon, Soon (S.K.); Dalbo, Bob (R.J.); Fournelle, Gilbert (G.);
Limtiaco, Steven (S.); Marck, Edmond (E.C.); Altoonian, Don (D.J.);
Moorhouse, Scott (S.R.)
> Subject: Stall VOQ Data for Escape and Tribute

>
> Some of you may be receiving the Escape VOQ data for the second time (I forgot to include a few people the first time). Here are the most recent copies for both Escape and Tribute.

>
>> <<Escape Stalls VOQ 9_26_01.xls>> >> <<Tribute Stalls VOQ 9_26_01.xls>>

>
> Regards,
> Kamal Bhojwani
> U204 3.0L Powertrain Calibration
> TEE, Suite 1AE30

> Phone: (313) 39-01969
> Fax: (313) 32-31786
>

Item No	Doc No	Manufacturer	Model Yr	Model	Vin	Sales	Del	Lease	Del	Acquire	Return	File	No	File Name	City	State	Miles	Summary	
48	804807	MAZDA	2001	TRIBUTE	4F2CJ0612W0M0386	17-Jul-01	15-Aug-01	N				0	STALLS	N	ENGINE	MONROE	MD	1800	WHILE TRAVELING BETWEEN 30 AND 40 MPH ENGINE STALLED CAUSING A LOSS OF POWER ASSISTED COMPONENTS. DEALERSHIP WAS IN POSSESSION OF VEHICLE FOR TWO WEEKS AND COULD NOT REPRODUCE PROBLEM. PLEASE PROVIDE ANY ADDITIONAL INFORMATION ATTACHMENTS "AK ***** THIS IS CUSTOMER'S SECOND VEHICLE STALLS ON DISC. WILL RESTART AND KEEP DRIVING. CUSTOMER EXPERIENCED ADDITIONAL ONLY. DLR DUPLICATED CONDITION ONLY IN APPROX 25 MILE NO TEST. 89-CAC- TECH SPED VISITED DLR AND ROAD TESTED VEHICLE FOR APPROX 200 MILES WITH VEH. VEH OPERATED WITHOUT STALLING BETWEEN DLR AND MYSELF 300 MILES WITHOUT STALLING. VEH RELEASED TO CUSTOMER. (10/12/01) - No parts replaced on vehicle.
138	782908	MAZDA	2001	TRIBUTE	4F2CJ0614V0M02207	7-Sep-01	12-Sep-01					0	NO OPERA	N	ELECTRIC	BELLEVA	LA	2500	THIS IS THE SECOND TIME THE CAR HAS DIED ON ME WHEN I WAS DRIVING. THE FIRST TIME WAS ON APRIL 20 RIGHT AFTER I PURCHASED THE CAR. "AK ***** 822001 STALLS ON DISC. 26-40 MPH. 10/20/01: throttle body replaced.
140	740993	MAZDA	2001	TRIBUTE	4F2CJ0613V0M00711	31-Jul-01	2-Aug-01					0	ELECTRIC	N	ELECTRIC	LITTLETON	CO	1500	(NO RECORD - THE DEALER DID NOT REPORT) DRIVING AT APPROX 40-45 MPH AND ENTIRE SUN SHUT DOWN MECHANICALLY AND ELECTRICALLY. COASTED TO STOP COULD NOT RESTART AGAIN UNTIL 10-15 MINUTES LATER. THIS IS THE SECOND OCCURRENCE AND THE SAME SYMPTOMS. "AK ***** 812001 replaced throttle cable. (10/12/01) - no records of customer returning vehicle report.
908	747708	MAZDA	2001	TRIBUTE	4F2CJ0611V0M00909	10-Sep-01	18-Jun-01					0	LOCKE UN	N	ENGINE	CHARLOTTE	NC	654	I PURCHASED A 2001 TRIBUTE ON SUNDAY 8/27/01 WITH 250 MILES ON IT. TWO DAYS LATER TUESDAY 8/28/01 THE ENGINE COMPLETELY LOCKED UP ON ME TWICE IN THE SAME DAY. IT NOW HAS ONLY 300 MILES ON IT. LUCKILY BOTH TIMES I WAS ABLE TO AVOID A WRECK. THE ENGINE TOOKALLY SHUTS DOWN MEANING NO STEERING NO BRAKING. I WAS ABLE TO STOP BY USING THE EMERGENCY BRAKE AFTER STOPPING I HAD TO PUT THE CAR INTO PARK IN WHICH IT THEN RESTARTED. THIS ALL CAME UP NO WARNING AT ALL. I IMMEDIATELY TOOK THE CAR BACK. THE DEALERSHIP SAID THEY HAD NOT HAD ANY PROBLEMS LIKE THIS BEFORE OR ANY OTHERS. I NOW SEE THEY MUST OF BEEN MISTAKEN. BECAUSE IT SEEMS TO ME THAT THIS IS NOT THE FIRST TIME. I WILL TALK AS MUCH OF THIS INFO. WITH ME BACK TO THE DEALERSHIP AND HOPE FOR THE BEST. "AK ***** 822004- SEC relay replaced. (10/12/01) - no records of customer returning to dealer office report.
119	782217	MAZDA	2001	TRIBUTE	4F2CJ0612W0M02884	10-Apr-01	15-Sep-01					0	NO OPERA	N	ELECTRIC	BALTIMOR	MD	1800	WHILE DRIVING VEHICLE STALLS AND I LOSE POWER/STEERING. AFTER SAFELY GETTING MY CAR TO THE SIDE OF THE ROAD I AM ABLE TO RESTART THE CAR. THE DEALER HAS SEEN MY CAR TWICE NOW AND FINDS NOTHING WRONG WITH IT AND EXPECTS ME TO DRIVE THE DEFECTIVE VEHICLE. THIS STALLING HAS HAPPENED TWICE NOW. "AK ***** 822001- 2ND STALL AROUND 40MPH STARTS UP OK. (10/12/01) - no parts replaced. VEHICLE HAS STALLED 8 TIMES ALWAYS AROUND 30-40 MPH. TAKEN TO DEALER 4 TIMES. REPLACED IGNITION SWITCH ONCE. CANNOT REPEAT. "AK ***** 822701- fuel pump relay replaced. 7/25/01- ok stalls once per month. 8/17/01: distributor cap/rotor contacted. ok stalled 4x (vehicle mileage 11,300). 8/21/01- fuel returned to dealer for renewed testing. 8/26/01: triple replaced. 10/1/01: vehicle in process of being brought back.
7	800286	MAZDA	2001	TRIBUTE	4F2YJ0616V0M010216	1-Apr-01	30-Aug-01	N				0	DIAGN	N	ELECTRIC	PHILADEL	PA	11000	VEHICLE GOING UP HILL ENGINE STOPPED BRAKES WERE USED TO STOP VEHICLE FROM ROLLING DOWN HILL ENGINE LIGHT BATTERY LIGHT AND OIL LIGHT CAME ON. NO COMPONENTS WORKING INSIDE OF THE CAR EXCEPT THE WINDOWS. CAR REMAINED STATIONARY FOR 20 MINUTES WAITING ON HELP AND THEN STARTED AFTER SEVERAL TRIES. SLIGHT SHIMMY WHILE DRIVING TO THE DEALER ALONG WITH TACHOMETER JUMPING ABOUT ON AT A STEADY SPEED. "AK ***** 821004- ESC relay replaced. No records of customer return to dealer office report.
85	780128	MAZDA	2001	TRIBUTE	4F2YJ0616V0M008704	2-Apr-01	10-Aug-01					0	ERRATIC	N	ELECTRIC	ROCKVILL	MD	74	VEHICLE GOING UP HILL ENGINE STOPPED BRAKES WERE USED TO STOP VEHICLE FROM ROLLING DOWN HILL ENGINE LIGHT BATTERY LIGHT AND OIL LIGHT CAME ON. NO COMPONENTS WORKING INSIDE OF THE CAR EXCEPT THE WINDOWS. CAR REMAINED STATIONARY FOR 20 MINUTES WAITING ON HELP AND THEN STARTED AFTER SEVERAL TRIES. SLIGHT SHIMMY WHILE DRIVING TO THE DEALER ALONG WITH TACHOMETER JUMPING ABOUT ON AT A STEADY SPEED. "AK ***** (10/12/01) - replace VIN)
112	780128	MAZDA	2001	TRIBUTE	4F2YJ0616V0M008705	2-Apr-01	10-Aug-01					0	ERRATIC	N	ELECTRIC	ROCKVILL	MD	74	VEHICLE GOING UP HILL ENGINE STOPPED BRAKES WERE USED TO STOP VEHICLE FROM ROLLING DOWN HILL ENGINE LIGHT BATTERY LIGHT AND OIL LIGHT CAME ON. NO COMPONENTS WORKING INSIDE OF THE CAR EXCEPT THE WINDOWS. CAR REMAINED STATIONARY FOR 20 MINUTES WAITING ON HELP AND THEN STARTED AFTER SEVERAL TRIES. SLIGHT SHIMMY WHILE DRIVING TO THE DEALER ALONG WITH TACHOMETER JUMPING ABOUT ON AT A STEADY SPEED. "AK ***** (10/12/01) - replace VIN)

8	82770	MAZDA	01	2001	TRIBUTE	4F2YU82181K04468	2-Oct-00	24-Oct-00	N	0	OPERATC	N	ELECTRICAL	RIANDVA	1063	<p>WHILE DRIVING AT ABOUT 80 MPH AND COMING TO A FORK IN THE ROAD AS SOON AS CONSUMER MENTIONED TO RIGHT STEERING WHEEL GOT VERY STIFF. THIRD WHEEL DASH LIT UP. CONSUMER PUT ON BRAKES/ PUT IN PARK AND WENT TO A MAZDA DEALER. DEALER COULD NOT FIND ANYTHING. AT ANOTHER DAY WHILE DRIVING AT 80 MPH CONSUMER WAS BEARING OVERD STEERING WHEEL GOT TIGHT AGAIN AND VEHICLE CUT OFF. *AK ***** (8/9/00 - CUST STS WAS DRIVING VEH AND VEH STALLED OUT. STS WAS GOING ABOUT 80MPH. STS WAS TURNING ON A RAMP AND ENG STALLED AND STEERING WHEEL LOCKED UP. STS PULLED TO A MAZDA CLR. STS CLR WENT TO VEH AND STARTED IT RIGHT UP. 1029400 - car stalls on highway. (10/14/01) Note: No warranty repairs on record for this.</p>
38	82770	MAZDA	01	2001	TRIBUTE	4F2YU82181K04468	1-May-00	6-May-01	N	0	OPERATC	N	ENGINE	FLORIDA	8520	<p>CONSTANTLY VEHICLE WOULD BEGIN TO STALL. DEALER HAS HAD VEHICLE ON NUMEROUS OCCASIONS BUT HAS NOT BEEN ABLE TO PROVIDE REMEDY. *AK ***** 4/20/01: IAC replaced. 4/20/01: crank position sensor replaced. 4/22/01: EEC relay replaced. 4/22/01: CALLER STATES: STALLS WHEN COMING TO A STOP. CUSTOMER STATES ENGINE STALLS WHILE DRIVING OR ACCEL. 6/1/01 LH HOTLINE PLS COULD BE EX REPAIR. 6/10 LH PER TODAY, HAS REPLACED IAC VALVE PCM RELAY ZX CRANK SENSOR. 8/1 LH TECH HAS REPLACED PCM RELAY. CHECK CONNECTORS FOR BURN. 8/20/01 ENGINE STILL STALLS. SUGGEST CHECKING FOR RELAY THERMAL TIGHTNESS, WASH TEST FOR CORN. PCM GROUND. PCM IPC. 8/21/01: Vehicle was repossessed.</p>
24	82770	MAZDA	01	2001	TRIBUTE	4F2YU82181K04468	19-Mar-01	7-Mar-01	N	0	LOCKUP	N	STEERING	VA/PAMLIH	4229	<p>WHILE DRIVING STEERING LOCKED UP WITH LITTLE PRIOR WARNING. CONSUMER PULLED OVER AND WAITED WHICH ALLOWED STEERING TO COMEBACK. ON APRIL 20/ 2001 BEGAN HAVING PROBLEMS STARTING UP. DEALER HAS HAD VEHICLE FOR ABOUT A WEEK AND HAS NOT BEEN ABLE TO PROVIDE REMEDY. *AK ***** 3/22/01: EEC relay replaced. 6/28/01 Vehicle returned after repair. (10/14/01) 6/28/01: MAP replaced. 8/24/01: Vehicle repossessed.</p>
74	748627	MAZDA	01	2001	TRIBUTE	4F2YU82181K04468	30-Apr-01	9-May-01	N	0	INOPERAT	N	ELECTRICAL	VA/PAMLIH	3302	<p>VEHICLE SHUT DOWN CAR DID DUTY AT 45MPH AND CAR STALLED. *AK ***** (10/14/01) - vehicle was repossessed.</p>
48	781406	MAZDA	01	2001	TRIBUTE	4F2YU82181K04468	30-Apr-01	11-Apr-01	N	0	DESIGN	N	ELECTRICAL	VA/PAMLIH	8870	<p>VEHICLE STALLED WITHOUT WARNING WHEN ACCELERATING FROM A STOP INCON. THE NEXT FAILURE OCCURED WHEN TRAVELING AT 40 MPH ACCELERATING ON AN ENTRANCE RAMP. THIRD FAILURE OCCURRED WHEN DECELERATING TO A STOP SIGN. ALL DASH LIGHTS COME ON AND STEERING GOES OUT HOWEVER THE VEHICLE WILL IMMEDIATELY START AFTER PLACED IN NEUTRAL. THIS VEHICLE HAS BEEN TO THE DEALER ONE TIME BUT THE SERVICE DEPARTMENT WAS UNABLE TO DUPLICATE PROBLEM. DEALER HAS BEEN NOTIFIED OF THE CURRENT FAILURE BUT CAN OFFER NO SOLUTIONS. DEALER HAS ADVISED WILL CONTACT THEIR SERVICE REP. *AK ***** (10/14/01) - No parts replaced on vehicle yet per warranty (8/2/01).</p>
11	871318	MAZDA	01	2001	TRIBUTE	4F2YU82181K04468	27-Oct-00	3-Nov-00	N	0	INOPERAT	N	ELECTRICAL	MISSISSAUGA	0	<p>VEHICLE STALLED OUT AND DIED WITHOUT WARNING CAUSING LOSS OF STEERING AND BRAKES. DEALER HAS INSPECTED VEHICLE AND WAS NOT ABLE TO DUPLICATE OR CORRECT THE PROBLEM. *AK ***** (10/28/00): STS THAT 1027 SHE WAS DRIVING DOWN A HILL WITH A VEH IN FRONT OF HER AND A BEND BEHIND HER. 11/5/00: ignition coil replaced. 12/13/00: engine bearings inspected. 2/20/01: front thermostat inspected. 3/22/01: CST STATES THAT REINSTALLED ON HIS WIRE AGAIN. CST STATES THIS IS THE THIRD TIME THAT THIS HAS DONE THIS. (10/14/01) Note: this customer was traded into a new 01 Tribute but still experienced stall in the same location as this vehicle.</p>
28	867600	MAZDA	01	2001	TRIBUTE	4F2YU82181K04468	1-Oct-00	7-Nov-01	N	0	DESIGN	N	ENGINE	FLORIDA	4080	<p>VEHICLE STALLED 3 TIMES AROUND 30 MPH. CONSUMER WAS ABLE TO RETURN VEHICLE UNDER LEMON LAW. *AK ***** (10/25/01) - vehicle was repossessed.</p>

22	887680	MAZDA (N)	2001	TRIBUTE	4F2YU07171RM49486	2-Mar-01	7-Aug-01	N	ERRATIC	ENGINE	SUMNER	IA	900	VEHICLE STALLED AT 30 MPH ON THIS OCCASION. VEHICLE AT DEALERS AT THIS TIME. *AK ***** 01001 (1100 miles) - TECH HAS ALREADY INSTALLED THE B-TRUCK RELAY AND INSPECTED THE X-270-B FOR ACCROSION. SERVICE MANAGER STATES THAT THIS CUSTOMER WAS ALREADY BOUGHT OUT OF 1 TRIBUTE AND PURCHASED ANOTHER ONE. THIS ONE HAS THE SAME PROBLEM AND TENDS TO CUT RUNNING WHEN IT IS IN THE SAME GENERAL GEOGRAPHIC LOCATION. A LARGE MICRO WAVE TOWER AND A HOSPITAL ARE IN THE SAME CLOSE AREA AND DTCS STORED AND NO OTHER CRASHABILITY CONCERNS ARE PRESENT. 8/1/01 - replaced ESC relay. 8/29/01 - replaced battery body. (10/12/01) - Note: This is 2nd vehicle bought back from customer. First vehicle buyback was VIN: 4F2YU07171RM10515 (2nd vehicle now at Ford engineering, Allen Park, MI)
40	698105	MAZDA (N)	2001	TRIBUTE	4F2YU07171RM49486	26-Jul-01	N	N	DEFENSE	POWER	THEMA	NC	0	WHEN STARTING VEHICLE AND PROCEEDING FROM PINK INTO TRAFFIC VEHICLE HESITATES AND NEARLY STALLS CAUSE UNKNOWN. DEALER CANNOT IDENTIFY PROBLEM. PLEASE GIVE ANY FURTHER DETAILS. *AK ***** (10/12/01) - no warranty repairs on record that address the stall concern. No recall to MAZDA customer regarding the recall to stall concern.)
55	892136	MAZDA (N)	2001	TRIBUTE	4F2YU07171RM49486	19-Feb-01	9-Mar-01	N	INOPERABLE	ENGINE	LIL BURN	GA	555	WHILE DRIVING AND MAKING A LEFT TURN THE VEHICLE SUDDENLY DROG NO PRIOR WARNING. THERE WAS NO STEERING OR BRAKING. CONSUMER HAD TO STOP VEHICLE WITH EMERGENCY BRAKE. VEHICLE WAS STUCK IN TRAFFIC. CONSUMER HAD VEHICLE TOWED TO DEALER (AND DEALER REPLACED ELECTRICAL RELAY SYSTEM. HOWEVER) PROBLEM REOCCURRED ON JULY 30 2001 WHILE TRAVELING AT 45 MPH ON A DECLINE VEHICLE DROG AND EMERGENCY BRAKE WOULD NOT STOP VEHICLE. EVENTUALLY EMERGENCY BRAKE KICKED IN AND STOPPED VEHICLE. CONSUMER STATED THAT WHEN TRYING TO START AGAIN THERE WERE NO TRANSMISSION LIGHTS AND WOULD NOT GO INTO GEAR. CONSUMER HAD VEHICLE TOWED TO DEALER AND THEY COULD NOT DUPLICATE PROBLEM. PLEASE PROVIDE ANY FURTHER INFORMATION. *AK 02/21/01 - ESC relay replaced. 07/10/01 - PCM replaced. 10/12/01 - vehicle is in process of being bought back.)
73	748068	MAZDA (N)	2001	TRIBUTE	4F2YU07171RM49486	16-Dec-00	5-Mar-01	N	INOPERABLE	ELECTRIC	AUSTIN	TX	400	ROCK THIS WHILE DRIVING. THIS OCCURRED 3 TIMES. MAZDA AGREED TO REFUND HER VEHICLE AFTER 4TH INSPECTION AND THEY CANNOT LOCATE THE PROBLEM. THEREFORE THEY CANT FIX IT. THIS IS A SERIOUS SAFETY HAZARD. MY NEIGHBOR TOLD ME THIS WEEK THAT THIS EXACT SAME STALLING PROBLEM HAS HAPPENED TO HER TWO TIMES. I FEEL THIS IS MORE THAN A COINCIDENCE AND THAT THERE IS A SEVERE STALLING PROBLEM AND A RECALL HAS YET TO BE DONE BY MAZDA. *AK ***** 01/01 - ESC relay replaced. 4/01 - CST STS THAT SHE HAS BEEN TO ABOVE DLR AND ANOTHER DLR IN RUS STALLS-START CONCERN. 01/20/01 - MAF replaced. 4/28/01 - CONTACTED SPOKE TO CURT. CURT. STATED VEHICLE HAS STALLED 0 IN HER THREE TIMES SINCE SHE'S OWNED IT. STATES VEHICLE HAS NOT STALLED SINCE ROGER BEASLEY MAZDA REPLACED THE MAF SENSOR 200 MILES SINCE LAST STALL. CURT. FEELS UNSAFE IN VEHICLE. 10/12/01 - vehicle was bought back.)
117	781869	MAZDA (N)	2001	TRIBUTE	4F2YU07171RM49486	08-Nov-00	7-Sep-01	N	DEFENSE	ENGINE	TYLER	TX	500	WHEN COASTING DOWN HILL AT 30-40 MPH AND SLIGHTLY APPLYING BRAKES, ENGINE DROG AND THE VEHICLE BECOMES INOPERABLE. THIS PROBLEM HAS OCCURRED 10 TIMES AND THE VEHICLE HAS BEEN IN THE DEALERS SHOP THREE WITH THIS PROBLEM. THE FIRST TIME THE DEALER HAD NOT HEARD OF IT NOR COULD FIX THE PROBLEM. SEVERAL MONTHS LATER THE DEALER HAD HEARD OF THE PROBLEM BUT STILL HAD NO FIX. MAZDA WAS CONTACTED TO KNOW OF THE PROBLEM BUT HAD NOT RELEASED THE FIX. I CONTACTED MAZDA AND WAS TOLD THAT BOTH MAZDA AND FORD ENGINEERS WERE WORKING ON THE SOLUTION AND THE DEALERS WOULD BE NOTIFIED OF THE FIX WHEN AVAILABLE. IF THE SOLUTION IS NOT RESOLVED I WILL PURSUE A BUY BACK UNDER THE LEMON LAW. THIS VEHICLE IS DRIVEN BY OUR SIXTEEN YEAR OLD SON WHO CARRIES HIS YOUNGER BROTHER ALSO TO SCHOOL. WE ARE GREATLY CONCERNED FOR THEIR SAFETY. *AK ***** (10/12/01) - no warranty repairs on record for this concern.

47	064206	MAZDA	01	2001	TRIBUTE	4P2YJ09140004000	14-Aug-01	N	8	ERRATIC	N	ENGINE	WATKINS	0	WHILE TRAVELING AND WITHOUT ANY INDICATION VEHICLE WOULD STALL. DEALER HAS BEEN CONTACTED. PLEASE PROVIDE FURTHER INFORMATION. *AK ***** 4J201- battery diagnosed but not replaced. 8/1/01- pins diagnosed but not replaced. 7/28/01- pins replaced. 8/21/01- battery fully diagnosed but not replaced. 7/17/01- CRT STD VEH HAS HAD INTERMITTENT STALLING CONCERN. CRT STD VEH WAS DRIVING VEH DOWNHILL YESTERDAY AND VEH STALLED. CRT STD THAT RADIOCD WOULD STILL WORK, BUT ENGINE WOULD STALL. CRT STD VEH CURRENTLY AT DLR. 8/28/01- CUSTOMER STATES VEHICLE HAS STALLED ON 3 OCCASIONS. 8/28/01- STATES ON LAST VISIT DEALER ADJUSTED BASE DLE SPEED AND CLUT. PICKED UP VEHICLE A FEW DAY AGO. STATED CRT. HAS KIDS AND IS AFRAID TO DRIVE. I ASKED CUST. IF THE VEHICLE STALLED AT THE SAME LOCATION ALL THE TIME. THE CUST. STATES HE STALLED 3 TIME AT THE SAME SPOT AND 2 TIME IN DIFFERENT SPOTS. (1815015)- vehicle has been bought back)		
48	748821	MAZDA	01	2001	TRIBUTE	4P2YJ09140004000	11-Dec-00	13-Aug-01	8	ERRATIC	N	ENGINE	ALSTILL	GA	1517	MY 2001 MAZDA TRIBUTE STALLS SUDDENLY WHILE DRIVING. THIS HAS OCCURRED 4 TIMES SINCE I PURCHASED THE VEHICLE IN NOVEMBER 2000. MY TRIBUTE IS CURRENTLY AT THE DEALER FOR THE THIRD TIME FOR THIS STALLING PROBLEM. I WAS CONTACTED BY AN INDIVIDUAL WITH THE MAZDA NORTH AMERICAN TECHNICAL HEADQUARTERS APRIL 12. THE MAZDA REPRESENTATIVE ASKED A BATTERY OF QUESTIONS PERTAINING TO THE VEHICLE STALLING. FORTUNATELY NO ONE HAS BEEN INJURED AT THIS TIME DUE TO THE PROBLEM WHICH SEEMS TO HAVE NO RESOLUTION. *AK ***** 12/15/00- replaced PCM relay in 1200 @ 1500 miles, this is 1ST REPEAT OF ENG STALL SINCE REPAIR. (10165015)- vehicle has been bought back.)	
49	061173	MAZDA	01	2001	TRIBUTE	4P2YJ09140004000	1-Oct-00	27-Feb-01	N	8	STALL	N	ENGINE	HOWALL	HI	2	WHILE DRIVING VEHICLE WILL STALL. THE STEERING AND BRAKES LOCK AND CUSTOMER HAS NOT CONTROL. DEALER HAS MADE REPAIRS TO THE IGNITION SWITCH AND TAPPED MAIN RELAY. HOWEVER STALLING STILL OCCURS. *SLC ***** 1/28/01- EEC relay replaced. 1/29/01- DEALER HAS REPLACED THE RELAY AND VEHICLE BACK. CLAIMS THAT THE VEHICLE STALLED WHILE DRIVING 70 MILES. DEALER HAS DRIVEN 100 MILES AND COULD NOT DUPLICATE. 2/28/01- VEH HAS BEEN AT DLR 4X FOR STALLING ISSUE. 3/28/01- customer brought and repaired for a loose connector (do not specify which end). 3/18/01 LH PER GARRET, VEHICLE RETURNED. CUST STATES ENG STALLS HAS BTC 1501 00 CHECKING PCM RELAY. TRANSDUCER OR PROXIMITY SWITCH. STATES REASON IS INSPECTED VEHICLE WRT 1061 WAS 881 WHEN X2700 WAS DEMO. REQUESTED, VEH NOT CLEARED BEFORE RELEASE. DEALER WILL CONTINUE TO DRIVE TO DUPE. (1015015)- vehicle has been bought back)
50	063001	MAZDA	01	2001	TRIBUTE	4P2YJ09140004000	10-Jun-01	6-Apr-01	N	8	NOOPERATION	N	ENGINE	HOWALL	HI	3173	VEHICLE HAS STALLED THREE TIMES AFTER FIRST TIME TAKEN TO DEALER WHO REPAIRED IT. VEHICLE AT DEALER. *AK *SLC ***** 1/17/01- EEC relay replaced. 2/22/01- LD CLAIMS THAT THE VEHICLE STALLED ONCE AGAIN WHILE COMING DOWN A HILL, ALL OF THE LIGHTS CAME ON, ENGINE STALLED, STARTED RIGHT BACK. HAS INSPECTED ALL CONNECTORS AND FUEL CPU, ETC. ALL OK. 3/13/01- THE VEHICLE HAS STALLED 3X. STALL WILL OCCUR WITHIN 20-30 SECS OF COLD START. STALLS DURING ACCEL AFTER SLOWING (BRADUAL DECEL). ENGINE WILL IMMEDIATELY RESTART. DEALER HAS REPLACED THE MAIN RELAY BECAUSE TAPPING ON IT MADE THE ENGINE STALL. BACK WITH SAME. NOT DUPLICATED. 3/30/01- MPH response. 3/31/01- AFTER REPAIR, VEHICLE COULD STARTED AND DRIVEN AROUND ISLAND ROUNDS 20 MILES IN 40 MINUTES WITH FREQUENT ACCEL/DECEL CONDITIONS ON HILLY AND FLAT ROADS. COULD NOT DUPE CONCERN. 3/30/01- CUSTOMER SEND LETTER TO THE MANUFACTURE DURING NOTICE OF MOTOR VEHICLE DEFECT. ENGINE STALL, LOOSE POWER TO SYSTEM. CUSTOMER REPORTS 2 ATTEMPT FOR THE SAME DEFECT HAS BEEN MADE. 3/27/01- VEHICLE AT DEALER. 4548 MILES.

From: Bhojwani, Kamal (K.)
Sent: Tuesday, October 23, 2001 5:07 PM
To: Altoorian, Don (D.J.)
Cc: Dalbo, Bob (R.J.); Kwon, Soon (S.K.); Hofman, Michael (M.V.); Moorhouse, Scott (S.R.); Powers, Ken (K.W.); Fournelle, Gilbert (G.); Williams, Les (LHW.)
Subject: RE: 2001 Escape 3.0L E.M.C Testing

As soon as they can get us into the lab. We were suppose to get in last week but we got bumped for an Expedition, and after that they had some equipment failure which got resolved yesterday. We'll likely send someone out there to follow the testing when they get us in, but at this point I'm not completely clear when that will be.

Regards,

Kamal Bhojwani

U204 3.0L Powertrain Calibration
TEB, Suite 1A830
Phone: (313) 39-01969
Fax: (313) 32-31786

-----Original Message-----

From: Altoorian, Don (D.J.)
Sent: Tuesday, October 23, 2001 4:56 PM
To: Bhojwani, Kamal (K.)
Cc: Dalbo, Bob (R.J.); Kwon, Soon (S.K.); Hofman, Michael (M.V.); Moorhouse, Scott (S.R.); Powers, Ken (K.W.)
Subject: 2001 Escape 3.0L E.M.C Testing

Kamal, when are we expecting to get the prognosis on the E.M.C testing up at MPG?

From: Brim, Bobby (R.L.)
Sent: Thursday, November 15, 2001 5:14 PM
To: Kwon, Soon (S.K.)
Cc: Williams, Les (LHW.); Rothweiler, Daniel (D.); Linds, Peter (P.A.)
Subject: RE: Canister assy to NY

Gentlemen,

The Canister is going out tonight (to Daniel's address) on Airborne Express - airbill #EKC-9175018053 - for delivery on Friday morning. Please let me know if there's anything else that I can do.

Thanks,

Bobby

Bobby Brim - GRCT Coordinator
(Parts Change Notice Coordinator, Web Administrator)
QQuest for Ford Motor Company
Kansas City Assembly Plant - SUV PVT - Escape/Tribute
816-459-1744 (FordNet 4591744) voice
816-459-1728 fax
913-567-1885 pager (numeric)
rbrim@ford.com
rbrim@qquest.com

-----Original Message-----

From: Kwon, Soon (S.K.)
Sent: Thursday, November 15, 2001 1:05 PM
To: Brim, Bobby (R.L.)
Cc: Williams, Les (LHW.); Rothweiler, Daniel (D.)
Subject: FW: Canister assy to NY

Bobby, thank for your help. Here is Dan's address and parts he needs.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
462F WPC, 6111 Auto Club Drive, Dearborn 48128
Phone (313) 322-6844, Fax (313) 323-1163
Pager (888) 375-6922, email: skwon@ford.com

-----Original Message-----

From: Dan Rothweiler [mailto:DRothwei@mazdausa.com]
Sent: Tuesday, November 13, 2001 5:08 PM
To: 'Kwon, Soon (S.K.); 'bmiller9@ford.com'
Cc: 'lwill73@ford.com'; Chris Capuzzo
Subject: RE: Canister assy to NY

Here is my shipping address for the Evap Canister.

Daniel H. Rothweiler
MNAO Northeast Region Office
200 Cottontail Lane
Somerset New Jersey 08873

Here is an image from our Electronic Parts Catalog of the needed parts.

Daniel H. Rothweiler
Mazda North American Operations

Fixed Operations Technical Specialist

Office: 732-868-2135

Fax: 214-442-5222

Cellular: 732-620-2207

—Original Message—

From: Kwon, Soon (S.K.) [mailto:skwon@ford.com]

Sent: Tuesday, November 13, 2001 1:04 PM

To: Miller, Brian (B.J.); Rothweller, Daniel (D.); Williams, Les (L.H.W.)

Cc: Hofman, Michael (M.V.); Altoonian, Don (D.J.)

Subject: Canister assy to NY

Brian, I would like to have a complete Duratec Canister assembly (include check valve and CVV) shipped to Dan Rothweller in NY area Mazda district Manager.

This request may have been made already to Scott. If not done, please handle as soon as possible.

Les, please supply complete part number to Brian.

Dan, please let Brian know of your shipping address.

Thanks.

Regards,

Soon Kwon

Escape/Tribute P/T OPD Supervisor

Compact Utility PTSE, TVC

452F WPC, 5111 Auto Club Drive, Dearborn 48128

Phone (313) 322-6844, Fax (313) 323-1153

Pager (688) 375-6822, email: skwon@ford.com

<< File: Tribute Evap Assembly.gif >>

From: Shinji Kanai [kanai.sh@sv.mazda.co.jp]
Sent: Friday, July 27, 2001 4:08 PM
To: Dalbo, Bob (R.J.); Wakenell, Ray (R.A.)
Cc: Kwon, Soon (S.K.); Kawano, Hirotochi (H.); Miller, Brian (B.J.); Moorhouse, Scott (S.R.)
Subject: RE: Engine stall CANADA

Bob,

Did you have any progress for the following lean RPM drop issue ?

Shinji Kanai
Manager, Tribute Plant QA
Mazda North American Operations

Ford Kansas City Assembly Plant
Plant Vehicle Team
8121 N.E. Hwy. 69, Claycomo, MO 64119 USA
Tel: 816-459-1623/ Fax: -1726/ e-mail: kanai.sh@sv.mazda.co.jp
Local Text Pager: 9135677156@alphapage.airtouch.com

-----Original Message-----

From: Dalbo, Bob (R.J.) [mailto:rdalbo@ford.com]
Sent: Wednesday, June 13, 2001 11:59 PM
To: Kanai, Shinji (S.); Moorhouse, Scott (S.R.); Tanimoto, Tomohiro (T.); Lintiacco, Steven (S.); Inooka, Kimiaki (K.); Wakenell, Ray (R.A.)
Cc: Kwon, Soon (S.K.); Kawano, Hirotochi (H.); Miller, Brian (B.J.)
Subject: RE: Engine stall CANADA

Kanai-san,

The fuel injection schedule is supposed to be compensated for the loss of purge fuel when the valve closes. Therefore, I think there would need to be a bug in the software to cause the lean RPM drop in the data.

Ray,

Can a purge reset lead to a lean idle condition? Please see me for the details and respond to the team. We also need to ask the strategy people to help answer this question.

Bob Dalbo
3.0L Calibration Supervisor
Outfitters Calibration, North American Truck
Phone: (313)24-84947 Fax: (313)32-31786
Pager: (313)795-2859 E-mail: rdalbo@ford.com

-----Original Message-----

From: Shinji Kanai [mailto:kanai.sh@sv.mazda.co.jp]

Sent: Wednesday, June 13, 2001 1:58 PM

To: 'S. Moorhouse'; 'T. Tanimoto (KCAP_PVT)'; 'Steven Lintiacco'; 'K. Inooka'; 'Dalbo, Bob (R.J.)'

Cc: 'Kwon, Soon (S.K.)'; 'H. Kawano'; 'Miller, Brian (B.J.)'

Subject: Engine stall CANADA

Attachment is the additional information from Mazda Canada regarding intermittent engine stall.

Steven,

Please update EEC Main relay parts collection from Hawaii.

Please update VDR monitoring status.

Inooka-san,

Please update WDS monitoring status.

Tanimoto-san,

Please update EEC Main Relay investigation status.

Bob,

Please give us your comment for the Purge control and engine RPM drop data. I attach e-mails for your reference.

Shinji Kanai

Manager, Tribute Plant QA

Mazda North American Operations

Ford Kansas City Assembly Plant

Plant Vehicle Team

8121 N.E. Hwy. 69, Claycomo, MO 64119 USA

Tel: 816-459-1623/ Fax: -1726/ e-mail: kanai.sh@sv.mazda.co.jp

Local Text Pager: 9135677156@alphapage.airtouch.com

From: Powell, Cary (C.M.) [cpowell3@visteon.com]
Sent: Wednesday, November 14, 2001 9:58 AM
To: Williams, Les (LHW.); Kwon, Soon (S.K.); Miller, Brian (B.J.)
Cc: Hofman, Michael (M.V.); Altoonian, Don (D.J.); Dalbo, Bob (R.J.); Rothweiler, Daniel (D.); Powell, Cary (C.M.)
Subject: RE: Evap Components Illustration

Yes,

The assembly pictured is shipped from Visteon's Sandusky Plant as YL8U-9E857-B*.

Cary Powell
Energy Transformation Systems/Fuel Storage and Delivery SBO
cpowell3@visteon.com/(313) 755-0282/(313) 755-4971 fax

-----Original Message-----

From: Williams, Les (LHW.) [mailto:lwilli73@ford.com]
Sent: Tuesday, November 13, 2001 5:57 PM
To: Kwon, Soon (S.K.); Miller, Brian (B.J.)
Cc: Hofman, Michael (M.V.); Altoonian, Don (D.J.); Dalbo, Bob (R.J.); Rothweiler, Daniel (D.); 'cpowell3@visteon.com'
Subject: FW: Evap Components Illustration

Soon and Brian:

Here are the part #'s, they are all Mazda, but hopefully you have conversions to Ford Part #'s. The drawing should assist you. Dan was not sure if Assy came as one piece to KCAP?

Cary, does the Evap Canister Assy arrive at KCAP as one piece? If so, do you have the part number.

Thanks Gentlemen,
Les

-----Original Message-----

From: Dan Rothweiler [mailto:DRothwei@mazdausa.com]
Sent: Tuesday, November 13, 2001 5:02 PM
To: 'lwilli73@ford.com'
Subject: Evap Components Illustration

Les, Here is a photo of the necessary part numbers that make up the canister assembly. It is taken from our Mazda Parts Catalog.

Let me know if you have any problems reading the file type.

<<Tribute Evap Assembly.gif>>

Daniel H. Rothweiler
Mazda North American Operations
Fixed Operations Technical Specialist
Office: 732-868-2135

Fax: 214-442-5222
Cellular: 732-620-2207

From: Battle, Phyllis (P.A.)
Sent: Friday, November 10, 2000 3:08 PM
To: Moorhouse, Scott (S.R.); Kwon, Soon (S.K.)
Subject: RE: ICCD concerns, engine stalls (D21), and engine hesitates/surges when accelerating (D36)

Sorry, I forgot to attach the file.



Engine Stalls and
Surges.doc

-----Original Message-----

From: Battle, Phyllis (P.A.)
Sent: Friday, November 10, 2000 9:38 AM
To: Moorhouse, Scott (S.R.); Kwon, Soon (S.K.)
Subject: RE: ICCD concerns, engine stalls (D21), and engine hesitates/surges when accelerating (D36)

Soon and Scott,

Here are the verbatims for engine stalls and engine hesitates/surges. I will send the "other temp control problems" and fuel odor verbatims soon. My system is not cooperating.

Please let me know if you need any additional information.

Thank you,

Phyllis Battle

ICCD Customer Relations Specialist

KCAP PVT

Phone: (816) 459-1283

Fax: (816) 459-1728

email: pbattle@ford.com

-----Original Message-----

From: Moorhouse, Scott (S.R.)
Sent: Thursday, November 09, 2000 2:22 PM
To: Kwon, Soon (S.K.)
Cc: Battle, Phyllis (P.A.)
Subject: ICCD concerns, engine stalls (D21), and engine hesitates/surges when accelerating (D36)

Soon, the U204 vehicle has seen a rash of one-time stalls, as well as hesitate/surges reported in ICCD on Duratec vehicles. I believe that the hesitate/surges will be addressed in the new duratec calibration that Bob Dalbo is working on. I don't believe we have an answer for the one-time stalls. M-10 drivers here at KCAP have experienced this as well.

Phyllis, please provide Soon with the ICCD claims for engine hesitates/surges (D36) and stalls (D21). As he is very involved with the fuel smell issue, please also provide, if possible, the "other temp control problems" that identify fuel smell. Please copy me as well. Thanks much, I will see you upon return from vacation.

IGCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE
ENG STALLS, ENG HES/SURGE WHEN ACCEL
2001 ESCAPE

Total Customers Surveyed
- Within date range: 1,984
- Cumulative MYTD: 1,984

CC CODE - CONCERN: D91 - ENG STALLS

VIN: 1FMCU03131KE58384

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: AGOURA HILLS, CA [REDACTED]

Build Date: 08/04/2000

Purchase Date: 08/23/2000

Dealer Name:

Dealer Phone:

30 DIS/60 DIS**:

Mileage - 30DIS/60 DIS**:

Veh. Product Quality Sat. - 30 DIS/60 DIS**:

Gender:

28 / NA

2000 / NA

9 / NA

Female

Date Repair Comments

09/15/2000 11 OKAY - INSPECTION ONLY

Cust. Contact Date: 10/21/2000

Containment Status: Not Contained

Agent ID: grayes

Concern Comment: About a week and a half ago the customer was going down hill and the vehicle stalled, the second time the customer was coasting straight away when it stalled. Customer mentioned the vehicle restarted right away after stalling, no problem with the key turning in the ignition. Vehicle is used every day. All the interior lights wanded the battery on the vehicle has not change the oil change. The kind of gas used on the vehicle is regular and per when the vehicle stalled. Both time the engine was warm. Customer has not ch

SIF **: 2 (Medium)

Champion: NONE

VIN: 1FMCU03194KE71328

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: HOLLYWOOD, FL [REDACTED]

Build Date: 08/30/2000

Purchase Date: 08/17/2000

Dealer Name:

Dealer Phone:

30 DIS/60 DIS**:

Mileage - 30DIS/60 DIS**:

Veh. Product Quality Sat. - 30 DIS/60 DIS**:

Gender:

23 / NA

100 / NA

10 / NA

Female

Date Repair Comments

09/14/2000 PERFORM RECALL

09/14/2000 PERFORM RECALL

Cust. Contact Date: 10/10/2000

Containment Status: Not Contained

Agent ID: jhocker

Concern Comment: The engine cut out when the customer was driving at about 40 mph on a paved road. The customer uses 87 octane fuel, and has not had to add oil yet. The customer said that tried to speed up. The vehicle started up right after that.

SIF **: 1 (Low)
there was no noise, and she did not even realize that the car had stalled, until she

Champion: NONE

User ID: PBATTLE

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ER82-027-D 5914

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL

2001 ESCAPE

Cust. Phone:

Cust. Address:

Cust. City: EHRHARDT, SC

Purchase Date: 09/22/2000

Dealer Name:

Dealer Phone:

Mileage - 30DIS/60 DIS**:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

Gender:

Total Customers Surveyed

- Within date range: 1,964

- Cumulative MYTD: 1,994

1500 / NA

9 / NA

Female

Date Repair Comments

09/27/2000 TIRE DEFECTIVE

Cust. Contact Date: 10/13/2000

Containment Status: Not Contained

Agent ID: dashley

Concern Comment: The vehicle stalls and the rpm drop when the vehicle is put into cruise control. There is no noise associated with the vehicle stalling. The customer restarts the vehicle stalls. The customer has not checked the battery. The engine temperature is generally warm when the vehicles stalls. The concern is intermittent, the vehicle has stalled immediately after it stalls. There are no lights illuminating when the vehicle stalls three times since the customer took delivery of the vehicle.

SIF **: 1 (Low)

Champion: NONE

VIN: 1FMYU03161KE76251

Cust. Name:

Build Date: 09/06/2000

30 DIS/60 DIS**:

35 / NA

Cust. Phone:

Purchase Date: 10/04/2000

Mileage - 30DIS/60 DIS**:

020 / NA

Cust. Address:

Dealer Name:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

9 / NA

Cust. City: BRADENTON, FL

Dealer Phone:

Gender:

Male

Cust. Contact Date: 11/09/2000

Containment Status: Not Contained

Agent ID: graye

Concern Comment: Two weeks after purchase the vehicle stalled. The oil has not been change yet. Customer uses 87 octane gas. This just happened once, on level surface, no noises restart the vehicle the key turn in the ignition right away. Customer did not noticed any warning lights. The engine temperature was warm. Customer did not check the associated with the concern. The vehicle restarted immediately afterwards. When trying to battery.

SIF **: 1 (Low)

Champion: NONE

EM22-027-D 0919

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000
Containment Status: Both Contained and Not Contained
Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL
2001 ESCAPE

VIN: 1FMCU04111KE76035
Cust. Name: [REDACTED]
Cust. Phone: [REDACTED]
Cust. Address: [REDACTED]
Cust. City: MANASSAS, VA [REDACTED]

Build Date: 06/05/2000
Purchase Date: 06/29/2000
Dealer Name: [REDACTED]
Dealer Phone: [REDACTED]

30 DIS/60 DIS**:
Mileage - 30DIS/60 DIS**:
Veh. Product Quality Sat.* - 30 DIS/60 DIS**:
Gender:

36 / NA
2000 / NA
8 / NA
Female

Total Customers Surveyed
- Within date range: 1,984
- Cumulative MYTD: 1,984

Cust. Contact Date: 10/31/2000
Concern Comment: The customer had a concern with the engine cutting off on her. The concern occurred about two weeks ago. The customer has not yet changed the oil in her vehicle. The customer was driving downhill when the concern occurred. The customer did not hear any noises before the vehicle stopped. When the vehicle did stop on her she vehicle. The concern has not occurred since then and she has not yet taken the vehicle in to the dealership to have it checked. The concern is intermittent because it and doesn't know what type of oil was used. This customer uses 89 octane for her vehicle. had to pull over to the side and wait for about 5 mins before she could restart her/hes only happened once since she purchased the vehicle.
SIF ***: 3 (High)
Containment Status: Not Contained
Agent ID: tchirma
Champion: NONE

VIN: 1FMYU03141KE76927
Cust. Name: [REDACTED]
Cust. Phone: [REDACTED]
Cust. Address: [REDACTED]
Cust. City: INDIAN WELLS, CA [REDACTED]

Build Date: 06/30/2000
Purchase Date: 09/23/2000
Dealer Name: [REDACTED]
Dealer Phone: [REDACTED]

30 DIS/60 DIS**:
Mileage - 30DIS/60 DIS**:
Veh. Product Quality Sat.* - 30 DIS/60 DIS**:
Gender:

25 / NA
1000 / NA
8 / NA
Male

Date	Repair Comments
09/18/2000	PERFORMED INSPECTION INSPECT AS PER INSTRUCTIONS ALL OK.
09/25/2000	RETEST ROADTEST OK. EGR VALVE STUCK OPEN. IAC SHORTED TO GROUND. M TIME UTILIZED FOR PERFORMING PROPER DIAGNOSIS AND REPAIR NO LABOR SUPPORTED ON LTG.

CP

Cust. Contact Date: 10/18/2000
Concern Comment: Right after purchase the vehicle would stall and then it would be difficult to restart it. The customer had the dealer fix it immediately. No noises associated with this/le just sat for five minutes before stalling. The engine was still warm. problem. After the vehicle stalling the key would turn in the ignition. The veh
SIF ***: 2 (Medium)
Containment Status: Not Contained
Agent ID: grayes
Champion: NONE

VIN: 1FNDU103161KD92284
Cust. Name: [REDACTED]

Build Date: 06/07/2000

30 DIS/60 DIS**:

21 / NA

User ID: PBATTLE

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/06/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL

2001 ESCAPE

VIN: 1FNDY04121KE0012

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: PULASKI, TN [REDACTED]

Build Date: 08/04/2000

Purchase Date: 08/22/2000

Dealer Name: [REDACTED]

Dealer Phone: [REDACTED]

30 DIS/60 DIS**:

Mileage - 30DIS/60 DIS**:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

Gender:

28 / NA

1300 / NA

10 / NA

Female

Total Customers Surveyed

- Within date range: 1,984

- Cumulative MYTD: 1,984

Cust. Contact Date: 10/20/2000

Containment Status: Not Contained

Agent ID: coarero

Concern Comment: The customer was going up a hill four days ago and the engine quit. The customer does not know what type of oil is used in the vehicle. The customer uses 89 octane and the engine stalled. The customer waited about fifteen minutes to start the vehicle because she was scared. The key did turn in the ignition when she tried to restart the next morning. No lights were on, interior or exterior. The customer checked the oil, but not the battery. The check oil lamp came on when the engine stalled. The

The concern occurred when she was almost at the top of a uphill. No noise was heard within the vehicle. The vehicle was parked overnight in her garage before it was driven concern

only occurred once.

SIF **: 1 (Low)

Champion: NONE

VIN: 1FMYU04141KD90807

Cust. Name: RICHARD E MCFAYDEN

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: OMAHA, NE 68132

Build Date: 06/19/2000

Purchase Date: 09/05/2000

Dealer Name: [REDACTED]

Dealer Phone: [REDACTED]

30 DIS/60 DIS**:

Mileage - 30DIS/60 DIS**:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

Gender:

38 / NA

2000 / NA

5 / NA

Male

Cust. Contact Date: 10/11/2000

Containment Status: Not Contained

Agent ID: zmagnus

Concern Comment: The engine stalls. The concern was first noticed the day after the customer took delivery of the vehicle. Mid-grade (between an 88-89) octane is used. The concern occurs less associated with this concern. The vehicle can be restarted immediately after the engine stalls. The vehicle has sat for 10 hours since being driven last. There has not been checked. The concern is intermittent, happening 4 times. There is a constant hesitation when stepping on the gas.

after accelerating into a right of left turn from a dead stop. There are no concern occurs regardless of the engine being cold or warm. The vehicle's battery h

SIF **: 1 (Low)

Champion: NONE

ENG2-027-0 5017

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL
2001 ESCAPE

Total Customers Surveyed

- Within date range: 1,884

- Cumulative NYTD: 1,884

VIN: 1FMYU04101KD92056

Cust. Name:

Build Date: 08/15/2000

30 DIS/80 DIS**:

36 / NA

Cust. Phone:

Purchase Date: 10/03/2000

Mileage - 30DIS/80 DIS**:

1700 / NA

Cust. Address:

Dealer Name:

Veh. Product Quality Sat.* - 30 DIS/80 DIS**:

5 / NA

Cust. City:

MONTCLAIR, NJ

Dealer Phone:

Gender:

Female

Cust. Contact Date: 11/08/2000

Containment Status: Not Contained

Agent ID: smccal

Concern Comment: She first noticed the concern last week. The customer has not changed the oil in the vehicle as yet. The customer uses octane 87 in the vehicle. The concern happens the concern. The customer was able to restart the vehicle immediately after the concern happened. The keys turned easily in the ignition when she tried to restart so there were the only lights that were on when the concern occurred. The engine was warm when the concern occurred. The customer did not check the battery. The

while the vehicle was in drive on a straight road. There was no noise associated with vehicle. The vehicle sat over night since it was last driven. The day time run concern only

happened once.

SIF **:

2 (Medium)

Champion:

NONE

VIN: 1FMYU04191KE81250

Cust. Name:

Build Date: 09/09/2000

30 DIS/80 DIS**:

36 / NA

Cust. Phone:

Purchase Date: 10/02/2000

Mileage - 30DIS/80 DIS**:

1200 / NA

Cust. Address:

Dealer Name:

Veh. Product Quality Sat.* - 30 DIS/80 DIS**:

9 / NA

Cust. City:

FRENCH LICK, IN

Dealer Phone:

Gender:

Female

Cust. Contact Date: 11/07/2000

Containment Status: Not Contained

Agent ID: lgoudie

Concern Comment: With almost 1000 miles on the vehicle the customer had a one time instance where the engine stalled on her. She was driving at roughly 30 miles per hour when she used the fuel she had in the vehicle at the time was from Marathon. The customer has not bought gas from that Marathon station again. The customer was on a very slight hill. The customer did not notice what the RPMs were at the time of the concern. The engine was warm when this happened. The weather was dry and warm as well. Lights that came on at the time. The air conditioning was not on when this happened. The vehicle restarted right away after she stopped the vehicle.

engine quit. This has not happened since. The customer uses 87 Octane fuel. She believes the grade at the time. She has subsequently driven up the same hill with no The engine

still has the original factory installed fluids. There were no warning

SIF **:

1 (Low)

Champion:

NONE

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL

2001 ESCAPE

VIN: 1FMYU041X1K097618

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: OSHKOSH, WI [REDACTED]

Build Date: 07/29/2000

Purchase Date: 08/28/2000

Dealer Name: [REDACTED]

Dealer Phone: [REDACTED]

30 DIS/80 DIS**:

Mileage - 30DIS/80 DIS**:

Yeh. Product Quality Sat. - 30 DIS/80 DIS**:

Gender:

40 / NA

1300 / NA

10 / NA

Female

Total Customers Surveyed

- Within date range: 1,984

- Cumulative MYTD: 1,984

Date	Repair Comments
09/08/2000	CHECKED OUT CONNECTOR ON SEAT BELT RETRACTOR NOT PLUGGED IN RECONNECT WORKS FINE
10/02/2000	CLIPS ON FUEL LINE FELL OFF, REPAIR CONNECTION, RECHECK ADDED FUEL AND ROAD TEST. ALLOK CLEAN OFF FUEL
10/02/2000	AS PER FORD SPECIFICATIONS INSPECT FOUND NO LEAKS.

Cust. Contact Date: 11/08/2000

Containment Status: Not Contained

Agent ID: joarter

Concern Comment: Two days after purchase, the customer was turning right slowly around a corner when the vehicle stalled. The customer was able to coast to the side of the road but on the ground. The customer uses regular octane fuel. This only happened the one time. No noises were heard and no lights came on the instrument panel. The battery immediately smelled gas. When the customer got out of the vehicle, she noticed fuel vehicle would not start again. The engine temperature was warm. Nothing was wrong with 1

SIF ***: 1 (Low)

Champion: NONE

ENG2-027-0 5819

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL
2001 ESCAPE

Total Customers Surveyed
- Within date range: 1,984
- Cumulative MYTD: 1,984

CC CODE - CONCERN: D38 - ENG HES/SURGE WHEN ACCEL

VIN: 1FMYU01101KE73838

Cust. Name: [REDACTED]
Cust. Phone: [REDACTED]
Cust. Address: [REDACTED]
Cust. City: BAKERSFIELD, CA [REDACTED]

Build Date: 09/22/2000
Purchase Date: 09/29/2000
Dealer Name:
Dealer Phone:

30 DIS/60 DIS**:
Mileage - 30DIS/60 DIS**:
Veh. Product Quality Sat.* - 30 DIS/60 DIS**:
Gender: 32 / NA
2000 / NA
10 / NA
Female

Date Repair Comments

09/20/2000 INSPECTED WHEEL HUB AS PER RECALL
09/20/2000 INSPECTED FUEL LINE AS PER RECALL

Cust. Contact Date: 10/31/2000

Concern Comment: The customer noticed the slight hesitation while accelerating 3 weeks ago. The slight hesitation during acceleration is constant. The speed is usually about 45 mi/hr per accelerating from a low speed when he notices it. They type of octane level is 88.

Containment Status: Not Contained

Agent ID: khackel

SIF ***: 1 (Low) hour. He is not aware of the concern occurring while the a/c and defrost. He is
Champion: NONE

VIN: 1FMYU01111KD91858

Cust. Name: [REDACTED]
Cust. Phone: [REDACTED]
Cust. Address: [REDACTED]
Cust. City: EVANS, GA [REDACTED]

Build Date: 06/20/2000
Purchase Date: 09/28/2000
Dealer Name:
Dealer Phone:

30 DIS/60 DIS**:
Mileage - 30DIS/60 DIS**:
Veh. Product Quality Sat.* - 30 DIS/60 DIS**:
Gender: 34 / NA
900 / NA
8 / NA
Female

Date Repair Comments

09/08/2000 INSPECT FOR HOLES PER RECALL 00825
10/10/2000 VERIFY - TRANSMISSION DIAG KOEO P0716 P0717 - CHK LINE PRESSURES - PIN TEST - TSS SIGNAL IRRATIC - REPLACED TSS - CLEARED CODES - ROAD TEST.

Cust. Contact Date: 10/30/2000

Concern Comment: The customer has a concern with the vehicle hesitating. The concern was first noticed this concern very shortly after purchasing the vehicle. The customer says that customer apply gas to increase speed the vehicle hesitates. This concern is constant and this concern happens when the a/c and defrost is on or off, this concern only happens when she slows down but do not come to a full stop. When c

Containment Status: Not Contained

Agent ID: czeph

SIF ***: 2 (Medium) hour.
Champion: NONE

User ID: PBATTLE

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ERR2-027-D 5828

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/BURGE WHEN ACCEL
2001 ESCAPE

Total Customers Surveyed

- Within data range: 1,984

- Cumulative MYTD: 1,984

VIN: 1FMYU01111KE37173

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: COLORADO SPRING, CO [REDACTED]

Build Date: 08/08/2000

Purchase Date: 09/22/2000

Dealer Name: [REDACTED]

Dealer Phone: [REDACTED]

30 DIS/60 DIS**:

Mileage - 30DIS/60 DIS**:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

Gender:

27 / NA

585 / NA

6 / NA

Male

Cust. Contact Date: 10/19/2000

Concern Comment:

The customer noticed that vehicle surge on acceleration on September 28. This concern is intermittent, it had happened about five times. The customer was travelling at about 30 mph when this happened. This occurs with the A/C on both on/off.

Containment Status: Not Contained

Agent ID: grayes

SIF ***: 3 (High)

Champion: NONE

VIN: 1FMYU01111KE38422

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: FONTANA, CA [REDACTED]

Build Date: 08/11/2000

Purchase Date: 10/02/2000

Dealer Name: [REDACTED]

Dealer Phone: [REDACTED]

30 DIS/60 DIS**:

Mileage - 30DIS/60 DIS**:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

Gender:

32 / NA

2500 / NA

8 / NA

Female

Date	Repair Comments
------	-----------------

08/12/2000PERFORMED RECALL INSPECTED REAR HUBS (OK)
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09/15/2000INSPECTED FUEL LINES (OK)
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Cust. Contact Date: 11/08/2000

Concern Comment:

The vehicle hesitates on acceleration. The customer first noticed this concern the second week after taking delivery of the vehicle. The concern is constant. The vehicle concern is present when the vehicle is accelerating from a dead stop and while travelling at lower speed.

Containment Status: Not Contained

Agent ID: dashley

is generally travelling at 60 miles per hour when the concern occurs. The c

SIF ***: 3 (High)

Champion: NONE

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL

2001 ESCAPE

Total Customers Surveyed

- Within date range: 1,984

- Cumulative MYTD: 1,984

VIN: 1FMYU011X1KE77880

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: ACWORTH, GA [REDACTED]

Build Date: 09/08/2000

Purchase Date: 10/05/2000

Dealer Name: [REDACTED]

Dealer Phone: [REDACTED]

30 DIS/80 DIS**:

Mileage - 30DIS/80 DIS**:

Veh. Product Quality Sat.* - 30 DIS/80 DIS**:

Gender:

33 / NA

500 / NA

8 / NA

Female

Cust. Contact Date: 11/08/2000

Concern Comment:

The customer first noticed four weeks ago that there is some hesitation upon acceleration from a dead stop. This is intermittent and has occurred about 10 times. The customer does not know if this occurs with the A/C or Defrost on or off.

Containment Status: Not Contained

Agent ID: jshapir

SIF **: 2 (Medium)

Champion: NONE

VIN: 1FMYU011X1KE77880

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: ACWORTH, GA [REDACTED]

Build Date: 09/08/2000

Purchase Date: 10/08/2000

Dealer Name: [REDACTED]

Dealer Phone: [REDACTED]

30 DIS/80 DIS**:

Mileage - 30DIS/80 DIS**:

Veh. Product Quality Sat.* - 30 DIS/80 DIS**:

Gender:

33 / NA

500 / NA

8 / NA

Female

Cust. Contact Date: 11/08/2000

Concern Comment:

The customer first noticed four weeks ago that there is some hesitation upon acceleration from a dead stop. This is intermittent and has occurred about 10 times. The customer does not know if this occurs with the A/C button or Defrost on or off.

Containment Status: Not Contained

Agent ID: jshapir

SIF **: 2 (Medium)

Champion: NONE

EMSC-027-0 5822

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/08/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL
2001 ESCAPE

Total Customers Surveyed

- Within date range: 1,884

- Cumulative MYTD: 1,884

VIN: 1FMYU03121KE38285

Cust. Name:

Build Date: 08/09/2000

30 DIS/60 DIS**:

36 / NA

Cust. Phone:

Purchase Date: 08/28/2000

Mileage - 30DIS/60 DIS**:

2000 / NA

Cust. Address:

Dealer Name:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

8 / NA

Cust. City:

NORTH CHARLESTON, SC

Dealer Phone:

Gender:

Female

Cust. Contact Date: 11/03/2000

Containment Status: Not Contained

Agent ID: jdechau

Concern Comment: The engine hesitates before starting. This concern was noticed one month after the vehicle was purchased. The concern is intermittent. This concern does not occur while condition and drivest is on or off.

driving only at the initial start up. The concern does not occur when the air

SIF **: 2 (Medium)

Champion:

NONE

VIN: 1FMYU03121KE72228

Cust. Name:

Build Date: 08/17/2000

30 DIS/60 DIS**:

36 / NA

Cust. Phone:

Purchase Date: 08/28/2000

Mileage - 30DIS/60 DIS**:

1300 / NA

Cust. Address:

Dealer Name:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

10 / NA

Cust. City:

ROYAL PALM BEACH, FL

Dealer Phone:

Gender:

Female

Date Repair Comments

09/25/2000 10 WARR 998 PERFORMED FUEL LINE RECALL INSPECTION OK

Cust. Contact Date: 11/03/2000

Containment Status: Not Contained

Agent ID: jdechau

Concern Comment: The customer stated that when the gas pedal is pressed, the vehicle hesitates. The concern was first noticed one day after the vehicle was purchased. The concern is of 45 MPH. The customer is not sure whether it happens when travelling at other speeds. The concern occurs when the air condition is on or off.

Intermittent. This concern occurs when the vehicle is at a stop sign or at speeds

SIF **: 1 (Low)

Champion:

NONE

EMR-827-D 6923

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL
2001 ESCAPE

Total Customers Surveyed

- Within date range: 1,984

- Cumulative MYTD: 1,984

VIN: 1FMYU031X1KE7872

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: NEW MILFORD, CT [REDACTED]

Build Date: 09/06/2000

Purchase Date: 09/30/2000

Dealer Name: [REDACTED]

Dealer Phone: [REDACTED]

30 DIS/60 DIS**:

39 / NA

Mileage - 30DIS/60 DIS**:

1700 / NA

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

8 / NA

Gender:

Male

Date Repair Comments

10/18/2000 COND CODE: NPF BASIC: N1 (NPF) TEST MULTIFUNCTION SWITCH, COULD NOT DUPLICATE CONCERN

Cust. Contact Date: 11/06/2000

Containment Status: Not Contained

Agent ID: jdcstau

Concern Comment: The customer is having a concern with the response of the vehicle. After about 100 miles the customer noticed that the vehicle would not respond as smooth as it should. The concern is constant. At acceleration is when this concern is present.

SIF ***: 1 (Low)

Champion: NONE

VIN: 1FMYU04101KE72288

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: TRENTON, NJ [REDACTED]

Build Date: 09/01/2000

Purchase Date: 09/28/2000

Dealer Name: [REDACTED]

Dealer Phone: [REDACTED]

30 DIS/60 DIS**:

36 / NA

Mileage - 30DIS/60 DIS**:

2000 / NA

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

8 / NA

Gender:

Female

Date Repair Comments

10/03/2000 TRANSMISSION TRANS DIAG

Cust. Contact Date: 11/03/2000

Containment Status: Not Contained

Agent ID: preyes

Concern Comment: For a couple of weeks now, customer has noticed that the vehicle surges when acceleration in the highway. Customer was travelling at 60 to 65 mph when this happened. This is a intermittent concern. The A/C nor the defrost are a factor

SIF ***: 1 (Low)

Champion: NONE

ENR2-827-0 0024

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL
2001 ESCAPE

Total Customers Surveyed

- Within date range: 1,884

- Cumulative MYTD: 1,984

VIN: 1FMYU04121KE84412

Cust. Name:

Build Date: 08/14/2000

30 DIS/60 DIS**:

34 / NA

Cust. Phone:

Purchase Date: 09/27/2000

Mileage - 30D/60 DIS**:

1800 / NA

Cust. Address:

Dealer Name:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

9 / NA

Cust. City: SILER CITY, NC

Dealer Phone:

Gender:

Female

Date Repair Comments

09/29/2000 TEST SYSTEM REMOVE AND REPLACE STARTER RECHECK ALL OK

Cust. Contact Date: 10/31/2000

Containment Status: Not Contained

Agent ID: greyes

Concern Comment: Five days after purchase the accelerator got stuck while driving in the highway. The customer drove to the dealership immediately. At the time this happened the customer was driving at highway speed.

SIF ***: 0 (None)

Champion: NONE

VIN: 1FMYU04161KE33389

Cust. Name:

Build Date: 09/20/2000

30 DIS/60 DIS**:

34 / NA

Cust. Phone:

Purchase Date: 10/05/2000

Mileage - 30D/60 DIS**:

2200 / NA

Cust. Address:

Dealer Name:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

9 / NA

Cust. City: WILLIAMSPORT, IN

Dealer Phone:

Gender:

Female

Cust. Contact Date: 11/08/2000

Containment Status: Not Contained

Agent ID: igoude

Concern Comment: The vehicle hesitates when the customer accelerates from a standstill. The customer first noticed the concern this past week. This is a constant concern and happens. The air conditioner is not on but the heater may be on when this happens. The customer uses 89 Octane (I advised customer to use 87 Octane). The customer uses cars. The customer has not had the chance to bring this to the dealership.

SIF ***: every time the customer accelerates from a stand still. There are no warning light/co-op gasoline. There are no specific weather or temperature conditions when this oc

2 (Medium)

Champion: NONE

ENRZ-027-0 0926

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000

Containment Status: Both Contained and Not Contained

Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL

2001 ESCAPE

Total Customers Surveyed

- Within date range: 1,984

- Cumulative MYTD: 1,984

VIN: 1FMYU04181KE71227

Cust. Name:

Build Date: 08/17/2000

30 DIS/60 DIS**:

21 / NA

Cust. Phone:

Purchase Date: 09/16/2000

Mileage - 30DIS/60 DIS**:

300 / NA

Cust. Address:

Dealer Name:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

10 / NA

Cust. City:

ANNAPOLIS, MD

Dealer Phone:

Gender:

Male

Cust. Contact Date: 10/07/2000

Containment Status: Not Contained

Agent ID: smccell

Concern Comment: The customer first notice that the vehicle hesitates to accelerate after start at purchase. The concern happens all the time. The vehicle hesitates when he take his foot off Defrost is on or off. It happens all the time. The concern happens both on a dead stop and a lower speed.

the gas and then press the gas again. The concern does not matter if the AC or

SIF **: 0 (None)

Champion:

NONE

VIN: 1FMYU04181KE81250

Cust. Name:

Build Date: 09/06/2000

30 DIS/60 DIS**:

36 / NA

Cust. Phone:

Purchase Date: 10/02/2000

Mileage - 30DIS/60 DIS**:

1200 / NA

Cust. Address:

Dealer Name:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

9 / NA

Cust. City:

FRENCH LICK, IN

Dealer Phone:

Gender:

Female

Cust. Contact Date: 11/07/2000

Containment Status: Not Contained

Agent ID: lgourd

Concern Comment: Three or four times when the vehicle was at a dead stop and customer was about to accelerate the vehicle surged on her. The customer was not aware of the RPM/line transmission in overdrive and the vehicle at a dead stop and the engine idling. It was when she took her foot off the brake that the vehicle surged. The weather not with each incident. The customer uses 87 Octane fuel. The first time the vehicle surged was a few days after buying the vehicle. Even without the vehicle surging brake hard when at a standstill.

reading when this happened. The specific circumstances were when she was on a flat road, was warm and dry when this happened. The air conditioning may have been

sometimes bthe customer feels the idle is a little high and she has to really depress the

SIF **: 2 (Medium)

Champion:

NONE

ENG2-827-0 9026

ICCD CONCERNS BY CATEGORIES

Call Date Range: 10/07/2000 - 11/09/2000
Containment Status: Both Contained and Not Contained
Plant(s): KANSAS CITY

CC CODE

ENG STALLS, ENG HES/SURGE WHEN ACCEL
2001 ESCAPE

VIN: 1FMYU041X1KD97616

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: OSHKOSH, WI [REDACTED]

Build Date: 07/29/2000

Purchase Date: 09/29/2000

Dealer Name: [REDACTED]

Dealer Phone: [REDACTED]

30 DIS/60 DIS**:

Mileage - 30DIS/60 DIS**:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

Gender:

Total Customers Surveyed

- Within date range: 1,984

- Cumulative MYTD: 1,984

40 / NA

1300 / NA

10 / NA

Female

Date Repair Comments

09/09/2000 CHECKED OUT CONNECTOR ON SEAT BELT RETRACTOR NOT PLUGGED IN RECONNECT WORKS FINE
10/02/2000 CLIPS ON FUEL LINE FELL OFF, REPAIR CONNECTION, RECHECK ADDED FUEL AND ROAD TEST, ALLOK CLEAN OFF FUEL
10/02/2000 AS PER FORD SPECIFICATIONS INSPECT FOUND NO LEAKS,

Cust. Contact Date: 11/05/2000

Concern Comment: Just after purchasing the vehicle, the customer noticed that when the vehicle accelerates, there is a hesitation. This can be noticed when first pulling away from a dead The air heater and defrost are not on. Weather does not play a part in this. The customer uses regular octane fuel. stop. This happens about 75% of the time, and mostly when the engine is cold.

Containment Status: Not Contained

Agent ID: jcarter

SIF ***: 1 (Low)

Champion: NONE

VIN: 1FMYU041X1KE72539

Cust. Name: [REDACTED]

Cust. Phone: [REDACTED]

Cust. Address: [REDACTED]

Cust. City: WARSAW, IN [REDACTED]

Build Date: 09/09/2000

Purchase Date: 09/30/2000

Dealer Name: [REDACTED]

Dealer Phone: [REDACTED]

30 DIS/60 DIS**:

Mileage - 30DIS/60 DIS**:

Veh. Product Quality Sat.* - 30 DIS/60 DIS**:

Gender:

37 / NA

1800 / NA

1 / NA

Female

Date Repair Comments

09/20/2000 WDS EEC TEST P0755 P0756 FOUND CODES FOR SHIFT SOLENOID IN VALVE BODY CALLED TRANSMISSION PLANT PER TSB 00 09 02 THEY SENT EXCHANGE UNIT
REMOVED TRANS AXLE REMOVED RIGHT EXHAUST MANIFOLD TO ACCESS BOLTS AND BRACKETS FOR PTV UNIT REMOVED

Cust. Contact Date: 11/08/2000

Concern Comment: The customer stated when the gas pedal is pressed the vehicle hesitates. This concern was noticed before the new transmission was installed. The customer stated that the concern does not occur while driving. The concern still happens when the air condition or defrost is on or off. The concern also occurs at stop signs. the concern is worst with the new transmission. The concern is constant. The customer

Containment Status: Not Contained

Agent ID: jdechou

SIF ***: 3 (High)

Champion: NONE

User ID: PBATTLE

EP02-027-D 5827

November 10, 2000 9:44:52AM Page 14 of 14

From: Kwon, Soon (S.K.)
Sent: Monday, June 25, 2001 11:49 AM
To: Nematollahi, Sonya (S.)
Cc: Noteboom, Jim (J.E.); Wakenell, Ray (R.A.); Corbett, Sandra (S.M.); Moorhouse, Scott (S.R.); King, Robert (R.F.)
Subject: RE: '01 3.0L ESCAPE EEC HARNESS BREAKING CONNECTIONS INSIDE PCM

Sonya, is this a new issue or a known issue ?

Thanks.

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
452F WPC, 5111 Auto Club Drive, Dearborn 48128
Phone (313) 322-6844, Fax (313) 323-1153
Pager (888) 375-6922, email: akwon@ford.com

-----Original Message-----

From: Wakenell, Ray (R.A.)
Sent: Monday, June 25, 2001 8:50 AM
To: Kwon, Soon (S.K.); O'Brien, Patricia (K.P.)
Cc: Wakenell, Ray (R.A.); Noteboom, Jim (J.E.)
Subject: RE: '01 3.0L ESCAPE EEC HARNESS BREAKING CONNECTIONS INSIDE PCM

Soon and Patti,

Have you heard of this issue before? Can a broken motor mount cause this problem? Please try and help Jim out with this issue. Thanks!

-----Original Message-----

From: Noteboom, Jim (J.E.)
Sent: Friday, June 22, 2001 2:35 PM
To: 'dmercha2@visteon.com'; Miller, Brian (B.J.); Wakenell, Ray (R.A.)
Cc: DiAngelo, Renaldo (R.); Papitone, Gil (J.); Surti, P. J. (P.J.)
Subject: '01 3.0L ESCAPE EEC HARNESS BREAKING CONNECTIONS INSIDE PCM

See the two reports below. It appears that the rocking of the 3.0L engine caused the EEC harness (rather stiff from the engine up to the PCM) to fatigue the 104 pin connection inside the PCM. These two concern vehicles did not look any different relative to wire routing and retention than any other unit.

The removed PCM are being returned to D. Merchant at Visteon.

Rpt#: 1FVJ2002 PTOFSE Rpt: 06/22/2001 Odom: 6,557 M
Rvwd: File: _ Folder: _____ Images: 0 Print Smy/Disp Detail(P/D): _
Vehicle: 2001 ESCAPE 4X4,XLT ,WAGON 1FMCU04111KF00903 Bid: 10/05/2000
Engine: 3.0L DUR Calb: 0M11A30A Trans: CD4E E Axle: A/C: YES
Dealer Id: 03170 Courtesy Ford Ph#: (303) 797-3673
State: Colorado City: Littleton Orig/Caller: J. NOTEBOOM
Symptom: 6 07 7 93 DRVABL,STALL/QUITS,DECELERATION,ALL ENGINE TEMP
Addl Sym: St: CCRG/EPRC: _ Rvwd: Dt:
Fic Caus. Comp: PROCESSOR ASSY - RPL Condition Code: 97
JNOTEBOO (303) 674-4015 FAX: MIL? Y ABA? Symp V? Survey? N
EO: EC: Prt St O
ER: CB: Inrm? Y
CONCER "CHECK ENGINE LIGHT IS ON. IS STALLING WHEN COMING TO A STOP OR AT SLOW SPEEDS-RESTARTS RIGHT AWAY."

REPAIR DTCS P0122 (TP INPUT) AND P0135 (HO2S11 HEATER CIR) WERE PRESENT AS RECIEVED. WHEN THE TECH DROVE THE VEHICLE IN HE NOTED THAT IT WOULD STALL WHEN PUT INTO REVERSE. MONITORING PIDS SHOWED TP INPUT TO BE NORMAL UNTIL THE VEH. SHIFTED INTO REVERSE CAUSING THE ENGINE TO ROCK DOWNWARD, PULLING ON THE 12B837 EEC HARNESS. SUBSEQUENTLY, WHENEVER THE HARNESS WAS WIGGLED AT THE 104 PIN (C202) CONNECTOR, THE ENGINE WOULD STALL. SINCE NO PROBLEMS WITH THE PINS IN C-202 WERE EVIDENT, THE PCM WAS R&R'D CORRECTING THE CONCERN.

Rpt#: 1FHJJ004 PTOFSE Rpt: 08/08/2001 Odom: 5,062 M
Rvw: File: Folder: Images: 0 Print Smy/Disp Detail(P/D):
Vehicle: 2001 ESCAPE 4X4,XLT ,WAGON 1FMCU04101KE88016 Bld: 10/04/2000
Engine: 3.0L DUR Calb: 0M11A30A Trans: CD4E E Axle: A/C: YES
Dealer Id: 03170 Courtesy Ford Ph#: (303) 797-3673
State: Colorado City: Littleton Orig/Callr: J. NOTEBOOM
Symptom: 8 98 2 00 DRVABL,INDICATOR,CHECK ENGINE,OTHER-CODE NA
Addl Sym: St CCRG/EPRC: Rvw: Dt:
Fix: Caus. Comp: PROCESSOR ASSY - RPL Condition Code: 28
JNOTEBOO (303) 874-4015 FAX: MIL? Y ABA? Symp V? Survey? N
EO: EC: Prt St: 0
ER: CB: Intrim? Y

CONCER "CHECK ENGINE LIGHT IS ON."

REPAIR AS RECIEVED, THE FOLLOWING DTCS WERE PRESENT: P0122 (TP LOW), P0135 (BANK 1 HEGO HEATER) & P1125 (TP INTERMITTENT). WHILE MONITORING PIDS AND WIGGLING THE VARIOUS WIRES AND CONNECTORS, IT WAS NOTED THAT WHEN THE 104 CONNECTOR AT THE PCM WAS DISTURBED THAT TP WOULD GO TO ZERO. SINCE NO WIRE/PIN CONCERNS COULD BE IDENTIFIED IN THE HARNESS THE PCM WAS REPLACED. REPLACING THE PCM CORRECTED THE CONCERN.
NOTE: THE HARNESS IS VERY TIGHT FROM THE ENGINE TO THE PCM, THE ROCKING OF THE ENGINE COULD HAVE CAUSED A BREAK IN THE CIRCUITRY INSIDE THE PCM.

Jim Noteboom, Powertrain FQE/Denver
Phone: 303.674.4015 FAX: 303.674.5730
Page: 1.888.375.1980

From: Dalbo, Bob (R.J.)
Sent: Tuesday, January 15, 2002 6:11 PM
To: Altoonian, Don (D.J.); Chih, Ming-Niu (M.N.)
Cc: Shah, Kiran (K.C.); Corbett, Sandra (S.M.); Williams, Les (LHW.); Rothweiler, Daniel (D.); Kwon, Soon (S.K.)
Subject: RE: ISM1 Draft2

I agree with all your sentiments in the note below. I still have the following concerns:

- Blowing out the line is not a permanent solution - I can't imagine why a second insect wouldn't find the tube as attractive a nesting site as the first.
- Drawing air through the check valve negates the purpose of routing the vent line to the engine compartment, which is to provide a source of "clean" air to purge the canister.
- Continually venting the canister through the check valve may result in an in-use evap compliance risk leading to an emission recall.

If we will in fact be venting through the check valve since all the valves will eventually "fail open", the best thing to do from a stall perspective will be removal of the check valve and vent line to the engine compartment. If this is not acceptable from a durability standpoint, we need to provide either a revised (inverted) check valve or the revised vent system to customers with this complaint. In my humble (sic) opinion, we need to do it on the first visit to maximize customer satisfaction.

Bob Dalbo

S.O.L Calibration Supervisor
Outfitters Calibration, North American Truck
Phone: (313)24-84947 Fax: (313)32-31786
Pager: (313)795-2859 E-mail: rdalbo@ford.com

-----Original Message-----

From: Altoonian, Don (D.J.)
Sent: Tuesday, January 15, 2002 8:28 AM
To: Dalbo, Bob (R.J.)
Cc: Corbett, Sandra (S.M.); Williams, Les (LHW.); Rothweiler, Daniel (D.)
Subject: RE: ISM1 Draft2

Bob, I don't like the fact that the check valves are open either, but we know that a new valve that was closed is now open in a little over two months, we also know that new valve in assemblies from K/C are open before installation, and new valves right out of the service box are open. I guess what I am saying is we probably will be changing the valves 100%. I guess we have a huge quality problem, or the spec. is not worth the powder to blow it to hell. I would propose that we check or change the valve as part 2, or of the hot line ISM not the original part1 ISM/TSB. Dan tells me that the line can be blown out with out removing the canister assy. In fact he says that it can be blown out with out putting the car on a hoist. Don't get me wrong I don't like the fact that the valve hangs open, and if it is pulling outside air into the valve rather than through the tube the is a much better chance of the line being plugged up by a critter. The other thing we have to show evidence of is how long is what we call a good valve good!

-----Original Message-----

From: Dalbo, Bob (R.J.)
Sent: Monday, January 14, 2002 5:11 PM
To: Williams, Les (LHW.); Price, Martin (M.)
Cc: Suarez, Rhae (R.); Limbaco, Steven (S.); Rothweiler, Daniel (D.); Fournelle, Gilbert (G.); Altoonian, Don (D.J.)
Subject: RE: ISM1 Draft2

I support changing the check valve if it is open. I personally doubt that a wide-open check valve (like we've been seeing) will pass the test whose data we are eagerly awaiting.

Bob Dalbo

3.0L Calibration Supervisor
Outfitters Calibration, North American Truck
Phone: (313)24-84847 Fax: (313)32-31788
Pager: (313)795-2859 E-mail: rdalbo@ford.com

—Original Message—

From: Williams, Les (LHW.)
Sent: Monday, January 14, 2002 3:00 PM
To: Price, Martin (M.)
Cc: Suarez, Rhae (R.); Lintacco, Steven (S.); Rothweiler, Daniel (D.); Dalbo, Bob (R.J.); Fournelle, Gilbert (G.); Altonian, Don (D.J.)
Subject: ISM1 Draft

Hello Team:

Thx for comments Martin, Steve, Dan and Don. I got your voice mail Don and corrected a bit of the vent line strategy. Steve and Dan, due to word restrictions I will save the explanations you submitted for the TSB. Take a look at this Martin. I added a bit to the vent line b/c I wanted to clarify the blow out points, and also I think it is imperative to include the cloth at end of vent line b/c spiders may be blown around shop (safety). What do you think Martin? This puts us at 921 characters.

Team, I also added in the fact that the Check valve should be replaced IF it is hung open. Although we have not seen data from Ming, is this okay Bob Dalbo? I figure a check valve that is not hung open is better than a hung open valve.

<< File: ISM1 draft2.doc >>

—Original Message—

From: Price, Martin (M.)
Sent: Monday, January 14, 2002 11:57 AM
To: Williams, Les (LHW.)
Cc: Suarez, Rhae (R.); Lintacco, Steven (S.); Rothweiler, Daniel (D.); Dalbo, Bob (R.J.); Fournelle, Gilbert (G.); Altonian, Don (D.J.)
Subject: RE: ISM1 Draft

We do mainly take US & Canadian calls but once in awhile we get Mexico, Puerto Rico, the Bahamas. These can be handled on a 1-1 basis.

The character limit is 880. This version is well over that, but we can easily shorten it. The hotliners can explain what isn't written. I have made some modifications to your draft, it is attached. The blue part is what can be omitted, the red is what I have rewritten. I modified the green section also but am not sure of it's technical accuracy? This version will just about make the character limit. Remember you don't have to be exact because only hotline engineers & FSE's are reading it, and if the hotliners have any questions they will ask me. Let me know what you think?

<< File: ISM1 draft.doc >>

Marti Price

Cleveland Engine Specialist, DSC I #353
1700 Fairlane Dr, Allen Park, MI 48101
mprice28@ford.com ph. (313)317-9133

—Original Message—

From: Williams, Les (LHW.)
Sent: Monday, January 14, 2002 11:08 AM
To: Price, Martin (M.)
Cc: Rothweiler, Daniel (D.); Lintacco, Steven (S.); Dalbo, Bob (R.J.); Fournelle, Gilbert (G.); Suarez, Rhae (R.); Altonian, Don (D.J.)
Subject: ISM1 Draft
Importance: High

Take a quick look at this Martin. I am not sure of the word restrictions.

Some questions as you read:

- a. **Martin:** On issue # 2, your guys just deal with FORD US correct? Do you get calls from regions using different calibrations, like CAA and EU?
- b. Is step 3 clear? I do not know if 'containment device' is too general. **Dan Rothweiler/Don Altoonian**, any suggestions since you have good field experience.
- c. **Group:** Pls read and add corrections/suggestions. **Martin/Rhae**/and myself can pull the comments together.

This is just part 1, part 2 will be coming shortly. Again, part 2 is the second ISM to catch vehicles that are not improved after the first set of ISM instructions.

<< File: ISM1 draft.doc >>

Regards,

Les Williams

For More, Count on Les

U204 3.0L Powertrain Calibration

Truck Engine Engineering, Suite 1AE20

Phone: (313)33-72503

Fax: (313) 32-31786

From: Bhojwani, Kamal (K.)
Sent: Friday, August 17, 2001 8:10 PM
To: Altoonlan, Don (D.J.); Amende, Harry (H.F.); Badgley, Joel (J.K.); Blackburn, Thomas (T.J.); Corbett, Sandra (S.M.); Dalbo, Bob (R.J.); Fascetti, Bob (R.J.); Fournelle, Gilbert (G.); Herr, George (G.J.); Hofman, Michael (M.V.); Holmes, Jeffrey (J.R.); Inoue, Takashi (T.); Jones, Andy; Jordan, Donald (D.E.); Kanai, Shinyi (S.); King, Robert (R.F.); Kwon, Soon (S.K.); Limfiaco, Steven (.); Linde, Peter (P.A.); Liu, Jane (J.); Marck, Edmond (E.C.); Matesa, John (J.); Mazzella, Gary (G.R.); McDonald, John; Moorhouse, Scott (S.R.); Morgen, Tom; Nematollahi, Sonya (S.); Raquepau, Aiden (A.P.); Vecchio, Anne Marie (A.); Wakenell, Ray (R.A.)
Subject: Phantom stall meeting minutes for 8/16/01

Meeting minutes attached.



Vehicle Stall
Meeting Minutes ...

Have a nice weekend!

Regards,
Kamal Bhojwani
U204 3.0L Powertrain Calibration
TEE, Suite 1A30
Phone: (313) 39-01969
Fax: (313) 32-31786

08/18/01 MEETING MINUTES

Attendees: (please let me know if I left anyone out)

Kamal Bhojwani (3.0L PT Calibration)
Sandra Corbett (PT QRT)
Gary Mazzella (Black Belt)
Scott Moorhouse (KCAP)
Shinji Kanai (KCAP)
Bob King (FCSD)
Sonya Nematollahi (Electrical)
Ed Marck (MNAO)
John McDonald (Viatron)
Don Jordan (Lear)
John Hayden (Relay's)
John Matesa (3.0L PT Calibration)
Gilbert Fournelle (3.0L PT Calibration)
Joel Badgley
Steve Limtaco (MNAO)

Meeting Minutes:

- Preliminary vehicle checklist discussed.
 - Concern about the recommendation to change DPF sensors and IAC valves needs to be addressed before providing checklist to dealer hotline.
 - Feedback needed from scramble teams at dealerships to finalize checklist.

- Vehicle status
 - Don Altoonian evaluated 3 units, 2 at dealerships in Pennsylvania (area described as having rolling hills) and 1 buy back.
 - First unit, 2 stalls in 1000 miles. Stall not reproduced. Dealer replaced Omron Relay with Hella EEC Relay. (Service is receiving Hella relays). Don went through checklist on unit. Vehicle returned to customer.
 - Second unit, 2 stalls in 1400 miles. Stall not reproduced. Noticed one dip in rpm, nothing else. Went through checklist and returned to customer.
 - Buyback unit returned to Dearborn. No stall reproduced. Being evaluated.
 - Scott Moorhouse evaluated 2 units, 1 dealer in Jackson City, MO and 1 in Lake Ozark, MO (both areas described as having rolling hills)
 - Jackson City Unit, 5 stalls in 5000 miles (Ford buy back). Customer claims stalls occur when coasting down steep hill (relatively cold vehicle). Scott noticed rpm drop to ~600-650, but no stall reproduced. Went through checklist, nothing found.
 - Lake Ozark, MO Unit, 3 stalls in 5000 miles. Stall not reproduced. Went through checklist, nothing found.
 - Kamal Bhojwani evaluated 4 units, 1 customer unit (Jorgensen Ford) and 3 MNAO buy back's
 - Jorgensen Ford Unit, 10+ stalls, some at Highway speeds. Unit driven around for 2 days with VDR. No stalls reoccurrence. Went through everything on checklist, replaced EEC relay (to Hella) and changed MAF sensor also. Unit returned to customer. Dealer will follow up with customer.
 - MNAO buy back's. No stalls reproduced while driving. All being driven with VDR.

- One unit stalled numerous times while shifting from drive to reverse. This, however, was not the reason for buy back. No mention of this by customer or dealer. Stall appears to be gone after going through checklist. Still being driven with VDR.
 - Of the two remaining buy back's, one had the checklist updates. Both being driven with VDR to recreate stall.
- Other Notes:
 - Electrical is gathering data on Omron vs Hella relay (John Hayden, Don Jordan).
 - Visteon and Lear have returned PCM and Wiring Harness for evaluation (John McDonald, Don Jordan).
 - Consider putting buyback's on chassis roll for coast down simulation (Kamal Bhojwani).
- Tasks for Tuesday
 - Updated Vehicle Checklist (Kamal Bhojwani, Scott Moorhouse, Don Altounian)
 - 8D Initiated (Kamal Bhojwani, Sandy Corbett)
 - Evaluated Vehicle Summary Sheet (Kamal Bhojwani, Joel Badgley)
 - Ford Customer Survey?? (Sandy Corbett)
- Next meeting: Tuesday, August 21, 2001, 12:00 - 1:00pm, TEB Bld Conf Room #2
 Dial In: 1 (800) 559-1235
 FordNet # and International Participants #: 954-1129, 1 (630)-424-2078
 Passcode: 7510576#

From: Moorhouse, Scott (S.R.)
Sent: Wednesday, September 05, 2001 10:20 AM
To: Bhojwani, Kamal (K.)
Cc: Fascetti, Bob (R.J.); Hofman, Michael (M.V.); Corbett, Sandra (S.M.); Dalbo, Bob (R.J.); Kwon, Soon (S.K.)
Subject: MINI INSPECTION CLINIC, KCAP, last Thursday

We had a customer focus session last Thursday night, inviting a number of local customers to come in and have dinner, and talk about their vehicles. These were non a/x plan customers picked at random.

Two of the customers complained of stalls (one time each). One was after 350 miles. As soon as available, we will visit these two vehicles to carry out the checklist. As soon as the quality analysts put out the report, I will share the information.

The clinic was attended by Plant management (including plant manager), Ken Powers, and Keith Takasawa. Keith talked to the stalls customers, as did I and Keith McDaniels, KCAP QC Manager.

The clinic itself was an extremely useful and relatively inexpensive event.

From: Dan Rothweiler [DRothwei@mezdauaa.com]
Sent: Thursday, November 15, 2001 3:08 PM
To: Kwon, Soon (S.K.)
Subject: FW: Tribute Parts

Here are the Fedex tracking numbers for those Tribute parts.

4233 5565 4941
4233 5565 4952
4233 5565 4963

Daniel H. Rothweiler
Mazda North American Operations
Fixed Operations Technical Specialist
Office: 732-868-2135
Fax: 214-442-5222
Cellular: 732-620-2207

> -----Original Message-----

> From: Dan Rothweiler
> Sent: Thursday, November 15, 2001 1:41 PM
> To: 'skwon@ford.com'
> Cc: 'lwilli73@ford.com'; 'daltooni@ford.com'; Steven Limtiaco; George
> Golfieri
> Subject: Tribute Parts

>
> Soon, Per your request I am sending you parts from 3 different Tributes
> with stalling concerns. I will send them FEDEX today to your office.

>
> These are the vehicles that the parts are from:

>
> 4F2YU09131KM53104 - Middletown Mazda, Middletown NY - Includes the
> canister, vent solenoid, dust separator, check valve
> 4F2YU08181KM22897 - Woodbridge Mazda, Woodbridge, NJ - Includes the entire
> EVAP assembly
> 4F2YU06171KM04538 - Grecco Mazda, Denville NJ - Includes the Vapor
> Management valve - stuck closed

>
> Documentation is included in each box along with the parts.

>
> Feel free to call with any questions,

>
> Daniel H. Rothweiler
> Mazda North American Operations
> Fixed Operations Technical Specialist
> Office: 732-868-2135
> Fax: 214-442-5222
> Cellular: 732-620-2207

>
>

From: Kwon, Soon (S.K.)
Sent: Wednesday, September 05, 2001 11:26 AM
To: Kanai, Shinji (S.)
Subject: FW: Tribute Stall



RE: Tribute Engine
Stall Tempo...

Info. Apparently Bob answered this question already.

Regards,
Soon Kwon
Escapa/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
452F WPC, 5111 Auto Club Drive, Dearborn 48126
Phone (313) 322-6844, Fax (313) 323-1153
Pager (888) 375-6922, email: skwon@ford.com

-----Original Message-----

From: Dalbo, Bob (R.J.)
Sent: Wednesday, September 05, 2001 10:52 AM
To: Kwon, Soon (S.K.)
Cc: Kanai, Shinji (S.); Wakenell, Ray (R.A.)
Subject: RE: Tribute Stall

Please see attached note.

Bob Dalbo
3.0L Calibration Supervisor
Outfitters Calibration, North American Truck
Phone: (313)24-84947 Fax: (313)32-31786
Pager: (313)796-2859 E-mail: rdalbo@ford.com

-----Original Message-----

From: Kwon, Soon (S.K.)
Sent: Wednesday, September 05, 2001 9:04 AM
To: Dalbo, Bob (R.J.)
Cc: Kanai, Shinji (S.); Wakenell, Ray (R.A.)
Subject: FW: Tribute Stall
Importance: High

Bob, can you answer Kanai-san's question?

Regards,
Soon Kwon
Escape/Tribute P/T OPD Supervisor
Compact Utility PTSE, TVC
452F WPC, 5111 Auto Club Drive, Dearborn 48126
Phone (313) 322-6844, Fax (313) 323-1153
Pager (888) 375-6922, email: skwon@ford.com

-----Original Message-----

From: Shinji Kanai [mailto:kanai.sh@sv.mazda.co.jp]
Sent: Tuesday, September 04, 2001 9:53 PM
To: 'Kwon, Soon (S.K.)'
Subject: FW: Tribute Stall
Importance: High

Please help me.

One Mazda dealer succeeded to resolve engine stall by adjusting throttle valve stopper screw in order to reduce air amount of ISC valve. MNAO is asking us this adjustment affect regulation or not. Who can reply this question? Please introduce me a suitable person to ask this question.
Thank you.

Shinji Kanai
Manager, Tribute Plant QA
Mazda North American Operations

Ford Kansas City Assembly Plant
Plant Vehicle Team
8121 N.E. Hwy. 69, Claycomo, MO 64119 USA
Tel: 816-459-1623/ Fax: -1726/ e-mail: kanai.sh@sv.mazda.co.jp
Local Text Pager: 9135677156@alphapage.airtouch.com

-----Original Message-----

From: Bryan Everett [mailto:BEverett@mazdausa.com]
Sent: Monday, July 09, 2001 1:56 PM
To: Shinji Kanai
Cc: Yasuo Yamamoto
Subject: FW: Tribute Stall

Kanai-san,

Do you have any update on the question (see e-mails below) of adjusting the throttle plate stop screw on the 01 MY Tribute (3.0L Duratec engine)? We need to know if adjusting this screw is a regulatory issue or not. It would be greatly appreciated if you could

get us an answer as soon as possible.

As always if you have any questions please do not hesitate to contact Yamamoto-san or myself.

Thanks,

Bryan Everett

FQS Engineer

Flat Rock, MI

Phone: 734 - 692 - 3675

Pager: 888 - 922 - 6568

Fax: 734 - 692 - 3693

e-mail: beverett@mazdausa.com <<mailto:beverett@mazdausa.com>>

-----Original Message-----

From: Bryan Everett

Sent: Thursday, June 28, 2001 9:53 AM

To: Shinji Kanai

Cc: Yasuo Yamamoto

Subject: FW: Tribute Stall

Kanai-san,

Yesterday I sent the following e-mail to Steve Lintiacco and CC to you. Steve suggested that we contact you about question # 3 about

adjusting the throttle plate stop screw. Do you know if the dealers are breaking any federal regulations by adjusting this screw? It

would be greatly appreciated if you could find out for us or supply us with a contact person that could tell us.

If you have any questions please feel free to contact Yamamoto-san or myself.

Thanks,

Bryan Everett

FQS Engineer

Flat Rock, MI

Phone: 734 - 692 - 3675

Pager: 888 - 922 - 6568

Fax: 734 - 692 - 3693

e-mail: beverett@mazdausa.com <<mailto:beverett@mazdausa.com>>

-----Original Message-----

From: Steven Lintiacco

Sent: Wednesday, June 27, 2001 7:30 PM

To: Bryan Everett

Subject: RE: Tribute Stall

Bryan,

See my comments below....

Steve Lintiacco

Mazda North American Operations

Tribute Product Support

949-442-6514 (phone)

949-442-6599 (fax)

e-mail: slimtiac@mazdausa.com <mailto:slimtiac@mazdausa.com>

-----Original Message-----

From: Bryan Everett

Sent: Wednesday, June 27, 2001 1:45 PM

To: Steven Limtiaco

Cc: Mitsunori Tokunaga; Yasuo Yamamoto; Ed Marck; Darrel Chin;

Shinji Kanai; Harumi Kamimura; Shigeru Nakayama

Subject: Tribute Stall

Steve,

As you are aware the Gulf region Field Technical Specialists have repaired a couple vehicles by adjusting the throttle plate stop screw (PQI's 61300 & 61301). We have been told by the DCSM that

these two vehicles which have been repaired are located in the Chattanooga area. These two vehicles are the ones that were both

stalling at the same place. Therefore we are requesting your help with the following.

1. We (PQS with TSD?) would like to investigate the two vehicles in the Chattanooga area. We have been in touch with the DCSM and

have requested additional information from him, but have not heard back from him yet. Can you please contact the DCSM and region and

try to set up having the customers bring their vehicles into the dealer so we can reset the vehicle to the original condition and

then try to duplicate this concern? [User] Need travel days.

2. We have been told that there is one vehicle in the

Nashville area that has been repurchased which has stalled 4 times in a 5

month period. We would like to investigate this vehicle after we have

completed the investigation in Chattanooga. Can you please help set up this

investigation also. [User] Need VIN and servicing dealer. (or PQI, HL reference)

3. We believe that the adjustment of this throttle stop screw, which is set at the factory, may be covered by government

regulations (in which the regulation may state do not adjust). Do you know or can you please find out if adjusting this screw is

covered by any government regulations? If it is a regulation issue we believe that we should issue information reminding everyone

that this screw is not to be adjusted. [User] I'm not sure of emissions regulations concerning throttle stop screws. I believe

there might be a procedure for setting TPS reference voltage in the WSM which affects the throttle stop adjustment. You might want

to ask Mr Kanai for more details.

Thank you in advance for your help with this issue. Please feel free to make any comments, suggestions (i.e. team members who should

attend investigation). If you have any questions or need more information please do not hesitate to contact me.

Thanks,

Bryan Everett

FQS Engineer

Flat Rock, MI

Phone: 734 - 692 - 3675

Pager: 888 - 922 - 6568

Fax: 734 - 692 - 3693

e-mail: beverett@mazdausa.com <<mailto:beverett@mazdausa.com>>

From: Moorhouse, Scott (S.R.)
Sent: Tuesday, June 26, 2001 11:03 AM
To: Corbett, Sandra (S.M.); Kwon, Soon (S.K.)
Subject: FW: Tribute Intermittent Stall Field Reports (CMT assignment)



stall3.xls

Mazda dealer hotline information on stalls (attachment below).

-----Original Message-----

From: Steven Limtiaco [mailto:SLimtiaco@mazdausa.com]
Sent: Friday, June 22, 2001 1:17 PM
To: 'rking9@ford.com'
Cc: 'smoorhou@ford.com'; 'avecchil@ford.com'; Shinji Kanai; Shigeru Nakayama
Subject: Tribute Intermittent Stall Field Reports (CMT assignment)

Bob,

Here are the reports from the CMT task assigned to me. There are 166 VINs in the spreadsheet, however, some duplication of VINs are included because of updates to the text fields.

Steve Limtiaco
Mazda North American Operations
Tribute Product Support
949-442-6514 (phone)
949-442-6599 (fax)
e-mail: slimtiaco@mazdausa.com

<<stall3.xls>>

Case No.	Date	Time	Location	Vehicle Make/Model	Vehicle Year	Vehicle Color	Vehicle License	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes
10001	10/10/2024	10:15	1234 Main St	2015 Ford Focus	2015	Blue	123456789	Operational	Engine started, vehicle moved forward.	Minor damage to front bumper.	Vehicle in good condition.	Driver reported no injuries.	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes
10002	10/10/2024	10:30	5678 Elm St	2018 Toyota Camry	2018	White	987654321	Operational	Engine started, vehicle moved forward.	Minor damage to rear bumper.	Vehicle in good condition.	Driver reported no injuries.	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes
10003	10/10/2024	10:45	9012 Oak St	2020 Honda Civic	2020	Black	234567890	Operational	Engine started, vehicle moved forward.	Minor damage to front bumper.	Vehicle in good condition.	Driver reported no injuries.	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes
10004	10/10/2024	11:00	3456 Pine St	2017 Chevrolet Malibu	2017	Gray	345678901	Operational	Engine started, vehicle moved forward.	Minor damage to rear bumper.	Vehicle in good condition.	Driver reported no injuries.	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes
10005	10/10/2024	11:15	7890 Maple St	2019 Nissan Altima	2019	Red	456789012	Operational	Engine started, vehicle moved forward.	Minor damage to front bumper.	Vehicle in good condition.	Driver reported no injuries.	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes
10006	10/10/2024	11:30	1122 Birch St	2016 Volkswagen Jetta	2016	White	567890123	Operational	Engine started, vehicle moved forward.	Minor damage to rear bumper.	Vehicle in good condition.	Driver reported no injuries.	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes
10007	10/10/2024	11:45	3344 Cedar St	2021 Hyundai Elantra	2021	Blue	678901234	Operational	Engine started, vehicle moved forward.	Minor damage to front bumper.	Vehicle in good condition.	Driver reported no injuries.	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes
10008	10/10/2024	12:00	5566 Elm St	2018 Ford Mustang	2018	Black	789012345	Operational	Engine started, vehicle moved forward.	Minor damage to rear bumper.	Vehicle in good condition.	Driver reported no injuries.	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes
10009	10/10/2024	12:15	7788 Oak St	2019 Chevrolet Equinox	2019	White	890123456	Operational	Engine started, vehicle moved forward.	Minor damage to front bumper.	Vehicle in good condition.	Driver reported no injuries.	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes
10010	10/10/2024	12:30	9900 Pine St	2017 Toyota RAV4	2017	Gray	901234567	Operational	Engine started, vehicle moved forward.	Minor damage to rear bumper.	Vehicle in good condition.	Driver reported no injuries.	Vehicle Status	Vehicle Description	Vehicle Damage	Vehicle Condition	Vehicle Notes

Case No.	Case Description	Case No.	Case Description	Case No.	Case Description	Case No.	Case Description	Case No.	Case Description	Case No.	Case Description	Case No.	Case Description	Case No.	Case Description	Case No.	Case Description	Case No.	Case Description		
10001	...	10002	...	10003	...	10004	...	10005	...	10006	...	10007	...	10008	...	10009	...	10010	...	10011	...

Case No.	Date	Time	Location	Officer	Vehicle	Driver	Offense	Notes	Disposition	Points	Other
12580	4-10-87	10:00	1500 N. 1st St.	10000000000000	1980 Buick Wildcat	John Doe	Failure to stop at red light	Officer observed vehicle stop at red light, but driver failed to stop completely.	Warning	0	
12581	4-10-87	10:15	1500 N. 1st St.	10000000000000	1980 Buick Wildcat	John Doe	Failure to yield	Officer observed vehicle fail to yield to pedestrian crossing.	Warning	0	
12582	4-10-87	10:30	1500 N. 1st St.	10000000000000	1980 Buick Wildcat	John Doe	Failure to obey traffic sign	Officer observed vehicle disregard 'No Left Turn' sign.	Warning	0	
12583	4-10-87	10:45	1500 N. 1st St.	10000000000000	1980 Buick Wildcat	John Doe	Failure to stop at stop sign	Officer observed vehicle stop at stop sign, but driver rolled back.	Warning	0	
12584	4-10-87	11:00	1500 N. 1st St.	10000000000000	1980 Buick Wildcat	John Doe	Failure to stop at stop sign	Officer observed vehicle stop at stop sign, but driver rolled back.	Warning	0	
12585	4-10-87	11:15	1500 N. 1st St.	10000000000000	1980 Buick Wildcat	John Doe	Failure to stop at stop sign	Officer observed vehicle stop at stop sign, but driver rolled back.	Warning	0	
12586	4-10-87	11:30	1500 N. 1st St.	10000000000000	1980 Buick Wildcat	John Doe	Failure to stop at stop sign	Officer observed vehicle stop at stop sign, but driver rolled back.	Warning	0	
12587	4-10-87	11:45	1500 N. 1st St.	10000000000000	1980 Buick Wildcat	John Doe	Failure to stop at stop sign	Officer observed vehicle stop at stop sign, but driver rolled back.	Warning	0	
12588	4-10-87	12:00	1500 N. 1st St.	10000000000000	1980 Buick Wildcat	John Doe	Failure to stop at stop sign	Officer observed vehicle stop at stop sign, but driver rolled back.	Warning	0	
12589	4-10-87	12:15	1500 N. 1st St.	10000000000000	1980 Buick Wildcat	John Doe	Failure to stop at stop sign	Officer observed vehicle stop at stop sign, but driver rolled back.	Warning	0	
12590	4-10-87	12:30	1500 N. 1st St.	10000000000000	1980 Buick Wildcat	John Doe	Failure to stop at stop sign	Officer observed vehicle stop at stop sign, but driver rolled back.	Warning	0	

Freeland, Mark (M.)

From: Don Ayers [DAyers@kavlico.com]
Sent: Monday, May 07, 2001 12:11 PM
To: Bob Weikal; Mark Freeland (E-mail)
Cc: maldns@ford.com
Subject: RE: Six Sigma TMDP Die Improvement Actions

Mark -

The high number of plant returns you noted are mainly from Lima Engine Plant. We have had a few from other plants from time to time. The analysis of the parts from Lima at our facility have shown them to be TNI. I believe Ian Crawley in the EGR systems group has been working on determining the problem at Lima. You may want to contact him.

Regards,
Don

-----Original Message-----

From: Bob Weikal
Sent: Thursday, May 03, 2001 8:48 PM
To: Don Ayers
Cc: Mark Freeland, Ford Motor Co (E-mail)
Subject: RE: Six Sigma TMDP Die Improvement Actions

Don,

How would you answer Mark's question?

Bob

-----Original Message-----

From: Freeland, Mark (M.) [SMTP:mfreela1@ford.com]
Sent: Thursday, May 03, 2001 9:00 AM
To: 'Bob Weikal'
Subject: RE: Six Sigma TMDP Die Improvement Actions

Thanks Bob,

Can you give me the story on the engine plant returns, there are a lot of them! Has anyone from your shop had any discussions with the plants and if so what have we learnt?

I also forwarded the info on the returns to Jim Maurer.

Regards

Mark Freeland

6-Sigma Black Belt Candidate
Physics Department
Ford Research Laboratory
P.O. Box 2053
MD 3028 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreela1@ford.com
Tel: (313) 594-7645

6 σ Status Report

Project # 3618

EGR Delta Pressure

Sensor Element

Yield

ENGINE

ENGINE





**Ford/Kavlico EGR Delta Pressure Sensor Element
6 Sigma Project #3618**

5/21 – 5/22/2001 Working Level meeting at Kavlico, Moorpark CA

Tasks to be accomplished:

Team Members:

Define initial team structure, rolls & responsibilities

6 Sigma Define Phase:

- Develop Problem Statement**
- Identify Project Scope**
- Identify Customers Critical To Quality Characteristic**
- Develop a "High Level" process map**
- Estimate the Customer Satisfaction and Cost of Poor Quality impact**
- Identify the key process output variable (KPOV), the big Y**
- Create a project time line**

6 Sigma Measure Phase:

- Brainstorm key process input variables (KPIVs), the Xs**
- Develop a data collection plan**
- Review measurement system capability data**
 - develop a plan to augment as necessary**
- Review current process FMEA**
- If possible establish baseline metric (DPMO/Sigma Level) for current process**
- Set project objective/stretch objective in terms of improvement to metric**

Wrap up:

Formalize work plan and establish timing for next meeting

TransGuard®

Transient Voltage Suppressors



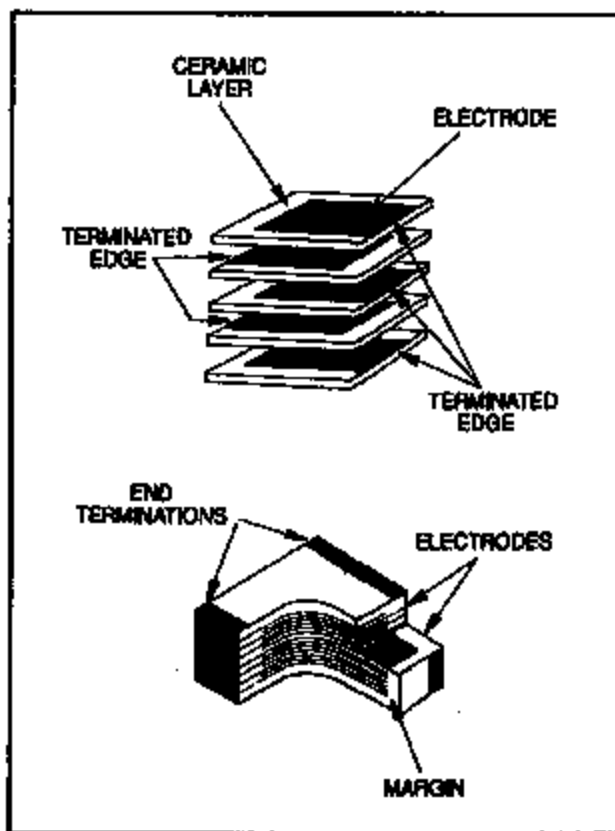
The AVX TransGuard® Transient Voltage Suppressors (TVS) with unique high-energy multilayer construction represents state-of-the-art overvoltage circuit protection. Monolithic multilayer construction provides protection from voltage transients caused by ESD, lightning, NEMP, inductive switching, etc. True surface mount product is provided in EIA industry standard packages. Thru-hole components are supplied as conformally coated axial devices.

TransGuard® products are zinc oxide (ZnO) based ceramic semiconductor devices with non-linear voltage-current characteristics similar to back-to-back zener diodes. They have the added advantage of greater current and energy handling capabilities as well as EMI/RFI attenuation. Devices are fabricated by a ceramic sintering process that yields a structure of conductive ZnO grains surrounded by electrically insulating barriers, creating varistor-like behavior.

The number of grain-boundary interfaces between conducting electrodes determines "Breakdown Voltage" of the device. High voltage applications such as AC line protection require many grains between electrodes while low voltage requires few grains to establish the appropriate breakdown voltage. Single layer ceramic disc processing proved to be a viable production method for thick cross section devices with many grains, but attempts to address low voltage suppression needs by processing single layer ceramic disc formulations with huge grain sites has had limited success.

AVX, the world leader in the manufacture of multilayer ceramic capacitors, now offers the low voltage transient protection marketplace a true multilayer, monolithic surface mount varistor. Technology leadership in processing thin dielectric materials and patented processes for precise ceramic grain growth have yielded superior energy dissipation in the smallest size. Now a varistor has voltage characteristics determined by design and not just cell sorting whatever falls out of the process.

Multilayer ceramic varistors are manufactured by mixing ceramic powder in an organic binder (slurry) and casting it into thin layers of precision thickness. Metal electrodes are deposited onto the green ceramic layers which are then stacked to form a laminated structure. The metal electrodes are arranged so that their terminations alternate from one end of the varistor to the other. The device becomes a monolithic block during the sintering (firing) cycle providing uniform energy dissipation in a small volume.



TransGuard®

Transient Voltage Suppressors



Dimensions:	Actual Size:
Length	.679" ± .008" (2.01 ± 0.2mm)
Width	.049" ± .008" (1.25 ± 0.2mm)
Thickness	.040" Max. (1.02mm)
Land Length	.028" Max. (0.71mm)
Termination Finish	Pt/Pd/Ag

AVX Part Number	Working Voltage	Breakdown Voltage	Clamping Voltage	Peak Current	Transient Energy	Capacitance		Inductance
Symbol	V_{WM}	V_B	V_C	I_{PM}	E_{TM}	C		L
Units	Volts (max.)	Volts	Volts (max.)	Amp (max.)	Joules (max.)	pF (typ.)		nH (typ.)
Test Condition	<50 μ A	1mA DC	8/20 μ s†	8/20 μ s	10/1000 μ s	0.5Vrms @:		dV/dt = 100mA/nS
						1 kHz	1 MHz	
VC080503A100	3.3#	4.1 - 6.0	10	40	0.1	1300	930	<1.5
VC080503C100	3.3#	3.7 - 5.6	10	120	0.3	5500	4000	1.5
VC080505A150	5.6	7.8 - 9.3	15.5	40	0.1	1250	860	<1.5
VC080505C150	5.6	7.1 - 8.7	15.5	120	0.3	3500	2400	1.5
VC080509A200	9	11.0 - 14.0	20	40	0.1	780	585	<1.5
VC080512A250	12	14.0 - 18.3	25	40	0.1	525	400	<1.5
VC080514A300	14	18.5 - 20.3	30	40	0.1	375	280	<1.5
VC080514C300	14	15.9 - 19.4	30	120	0.3	1100	820	1.5
VC080518A400	18*	22.9 - 28.0	40	30	0.1	350	275	<1.5
VC080518C400	18*	22.5 - 27.5	40	100	0.3	850	500	1.5
VC080526A580	26	31.0 - 37.9	58	50	0.1	140	110	<1.5
VC080526C580	26	30.5 - 37.3	58	100	0.3	250	190	1.5
VC080530A850	30	37.0 - 46.0	65	30	0.1	100	80	<1.5

V_{WM} —Maximum steady-state DC operating voltage the varistor can maintain and not exceed 50 μ A leakage current

V_B —Voltage across the device measured at 1mA DC current

V_C —Maximum peak voltage across the varistor measured at a specified pulse current and waveform

Transient Energy Rating	Pulse Current & Waveform
.1 Joule	2A 8/20 μ s
2 - 3 Joules	6A 8/20 μ s

I_{PM} —Maximum peak current which may be applied with the specified waveform without device failure

E_{TM} —Maximum energy which may be dissipated with the specified waveform without device failure

C—Device capacitance measured with zero volt bias 0.5Vrms and 1kHz

L—Device inductance measured with a current edge rate of 100 mA/nS

*Withstands 24.5 VDC for 5 minutes (automotive applications)

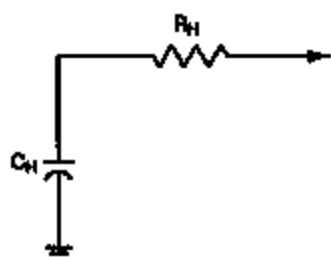
Dimensions: Inches (Millimeters)

#Test condition <100 μ A



The Impact of ESD on Insulated Portable Equipment

I/O connectors, keyboards, antennas, etc., care must be taken to adequately protect them from direct/and indirect transients. The most effective resolution is to place a TransGuard as close to the device in need of protection as possible. These recommendations and comments are based upon case studies, customer input and Warren Boxdiner's book *Electrostatic Discharge and Electronic Equipment - A Practical Guide for Designing to Prevent ESD Problems*.



Where:
 C_H = Human body model capacitance typically 150pF

R_H = Human body model resistance typically 330 Ω

Fig. 1. Human Body Model

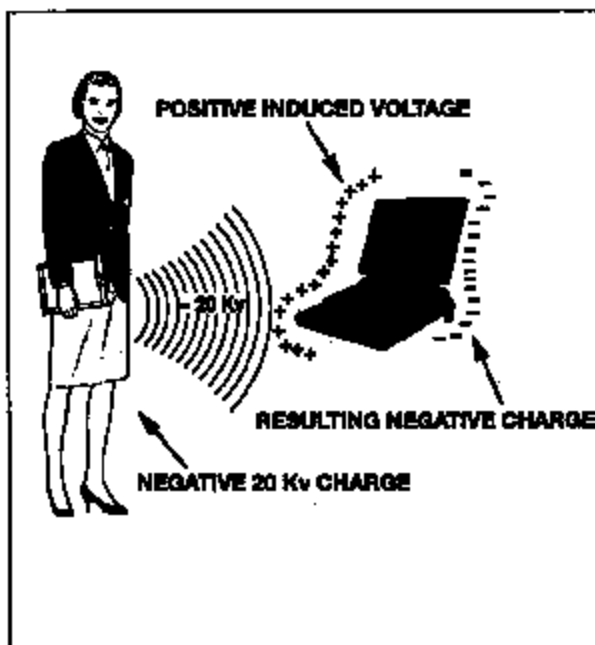


Fig. 2. Pre-Discharge Scenario

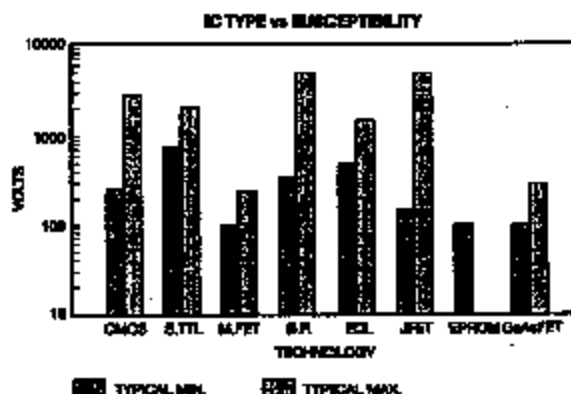
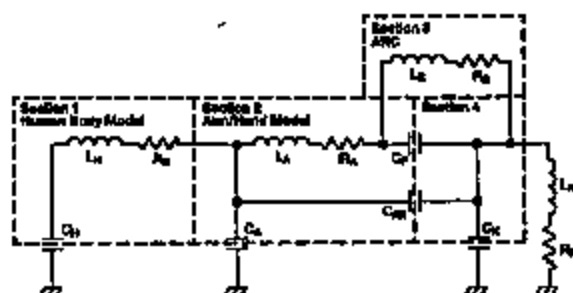


Fig. 3. IC Type E Field Susceptibility



Where: C_H = Lumped capacitance between the human body and earth
 R_H = Lumped resistance of the human body
 L_H = Lumped inductance of the human body
 C_A = Lumped capacitance between the person's arm and earth
 C_{AK} = Lumped capacitance between the person's arm (and near portions of the body) and the keyboard
 R_A = Lumped resistance of the person's arm's discharge path
 L_A = Lumped inductance of the person's arm's discharge path
 C_F = Capacitance between person's finger, hand, and the keyboard
 C_K = Lumped capacitance of the keyboard to earth
 R_K = Lumped resistance of the keyboard earth ground path
 L_K = Lumped inductance of the keyboard earth ground path

Fig. 4. Contact Discharge Model

AVX Multilayer Ceramic Transient Voltage Suppressors

PART NUMBER IDENTIFICATION

Surface Mount Devices

Important: For part number identification only, not for construction of part numbers.

The information below only defines the numerical value of part number digits, and cannot be used to construct a desired set of electrical limits. Please refer to the TransGuard® part number data (blue section, pages 3-8) for the correct electrical ratings.

VC 1206 05 D 150 R

PACKAGING (Pcs/Reel):

STYLE	"D"	"R"	"T"
VC0402	N/A	4,000	10,000
VC0803	1,000	4,000	10,000
VC0805	1,000	4,000	10,000
VC1206	1,000	4,000	10,000
VC1210	1,000	2,000	10,000

CLAMPING VOLTAGE:

Where:	100 = 10.0V	500 = 50.0V
	150 = 15.5V	550 = 55.0V
	200 = 20.0V	600 = 60.0V
	250 = 25.0V	620 = 62.0V
	300 = 30.0V	650 = 65.0V
	300 = 30.0V	101 = 100.0V
	400 = 40.0V	121 = 120.0V

ENERGY:

Where:	A = 0.1J	H = 1.2J
	C = 0.3J <th>J = 1.6J</th>	J = 1.6J
	D = 0.4J <th>P = 3.0J</th>	P = 3.0J
	F = 0.7J <th>V = 0.02J</th>	V = 0.02J
	G = 0.9J <th>X = 0.05J</th>	X = 0.05J

WORKING VOLTAGE:

Where:	03 = 3.3 VDC	18 = 18.0 VDC
	05 = 5.6 VDC <th>25 = 26.0 VDC</th>	25 = 26.0 VDC
	09 = 9.0 VDC <th>30 = 30.0 VDC</th>	30 = 30.0 VDC
	12 = 12.0 VDC <th>48 = 48.0 VDC</th>	48 = 48.0 VDC
	14 = 14.0 VDC <th>60 = 60.0 VDC</th>	60 = 60.0 VDC

CASE SIZE DESIGNATOR:

SIZE	LENGTH	WIDTH
0402	1.00±0.10mm (0.040"±0.004")	0.5±0.10mm (0.020"±0.004")
0603	1.80±0.15mm (0.063"±0.006")	0.8±0.15mm (0.032"±0.006")
0805	2.01±0.2mm (0.078"±0.008")	1.25±0.2mm (0.049"±0.008")
1206	3.20±0.2mm (0.126"±0.008")	1.60±0.2mm (0.063"±0.008")
1210	3.20±0.2mm (0.126"±0.008")	2.49±0.2mm (0.098"±0.008")

CASE STYLE:

C = Chip

PRODUCT DESIGNATOR:

V = Varistor

MARKING:

All standard surface mount TransGuard® chips will not be marked. Marked chips will be considered a special contract factory for minimum order requirement and price adder.

Axial Leaded Devices

Important: For part number identification only, not for construction of part numbers.

The information below only defines the numerical value of part number digits, and cannot be used to construct a desired set of electrical limits. Please refer to the TransGuard® part number data (blue section, page 9) for the correct electrical ratings.

V A 1000 05 D 150 R

PACKAGING (Pcs/Reel):

STYLE	"D"	"R"	"T"
VA1000	1,000	3,000	7,500
VA2000	1,000	2,500	5,000

CLAMPING VOLTAGE:

Where:	100 = 10.0V	580 = 58.0V
	160 = 16.5V <th>650 = 65.0V</th>	650 = 65.0V
	300 = 30.0V <th>101 = 100.0V</th>	101 = 100.0V
	400 = 40.0V <th>121 = 120.0V</th>	121 = 120.0V

ENERGY:

Where:	A = 0.1J
	D = 0.4J
	K = 2.0J

WORKING VOLTAGE:

Where:	03 = 3.3 VDC	26 = 26.0 VDC
	05 = 5.6 VDC <th>30 = 30.0 VDC</th>	30 = 30.0 VDC
	14 = 14.0 VDC <th>48 = 48.0 VDC</th>	48 = 48.0 VDC
	18 = 18.0 VDC <th>60 = 60.0 VDC</th>	60 = 60.0 VDC

CASE SIZE DESIGNATOR:

SIZE	LENGTH	DIAMETER
1000	4.32mm (0.170")	2.54mm (0.100")
2000	4.83mm (0.190")	3.66mm (0.140")

CASE STYLE:

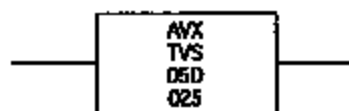
A = Axial

PRODUCT DESIGNATOR:

V = Varistor

MARKING:

All axial TransGuard® are marked with vendor identification, product identification, voltage/energy rating code and date code (see example below):



Where: AVX = Always AVX (Vendor Identification)
 TVS = Always TVS (Product Identification - Transient Voltage Suppressor)
 05D = Working VDC and Energy Rating (Joules)
 Where: 05 = 5.6 VDC, D = 0.4J
 025 = Three Digit Date Code
 Where: 0 = Last digit of year (2000)
 25 = Week of year

TransGuard®



AVX Multilayer Ceramic Transient Voltage Suppressors

VOLTAGES = 5.6, 9, 14 OR 18 VDC
0402 SURFACE MOUNT

Dimensions:	Actual Size:	
	Length	1.0 ± 0.10mm (0.040" ± 0.004")
	Width	0.5 ± 0.10mm (0.020" ± 0.004")
	Thickness	0.6mm Max. (0.024")
	Termination Band Width	0.25 ± 0.15mm (0.010" ± 0.006")
	Termination Separation	0.3mm Min. (0.012")
	Termination Finish	Pt/Pd/Ag

AVX Part Number	Working Voltage	Breakdown Voltage	Clamping Voltage	Peak Current	Transient Energy	Capacitance	Inductance
Symbol	V_{WM}	V_B	V_C	I_{PM}	E_{TM}	C	L
Units	Volts (max.)	Volts	Volts (max.)	Amp (max.)	Joules (max.)	pF (typ.)	nH (typ.)
Test Condition	<50µA	1mA DC	8/20µs†	8/20µs	10/1000µs	0.5Vrms @: 1MHz	di/dt = 100mA/nS
VC040205X150	5.6	7.6 - 9.3	15.5	20	0.05	360	<1.0
VC040209X200	9.0	11.0 - 14.0	20.0	20	0.05	230	<1.0
VC040214X300	14.0	16.5 - 20.3	30.0	20	0.05	120	<1.0
VC040218X400	18.0	22.9 - 28.0	40.0	20	0.05	90	<1.0
VC04LC18V500	See pages 14-15 for specification and performance details.						

V_{WM} —Maximum steady-state DC operating voltage the varistor can maintain and not exceed 50µA leakage current

V_B —Voltage across the device measured at 1 mA DC current

V_C —Maximum peak voltage across the varistor measured at a specified pulse current and waveform

† Transient Energy Rating: <0.05 Joule Pulse Current & Waveform: 1A 8/20µs

I_{PM} —Maximum peak current which may be applied with the specified waveforms without device failure

E_{TM} —Maximum energy which may be dissipated with the specified waveform without device failure

C—Device capacitance measured with zero volt bias 0.5Vrms and 1MHz

L—Device inductance measured with a current edge rate of 100 mA/nS

Dimensions: Millimeters (Inches)

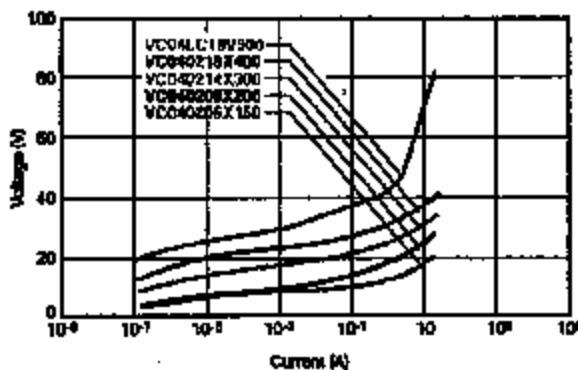


AVX Multilayer Ceramic Transient Voltage Suppressors

TYPICAL PERFORMANCE CURVES (0402 CHIP SIZE)

VOLTAGE/CURRENT CHARACTERISTICS

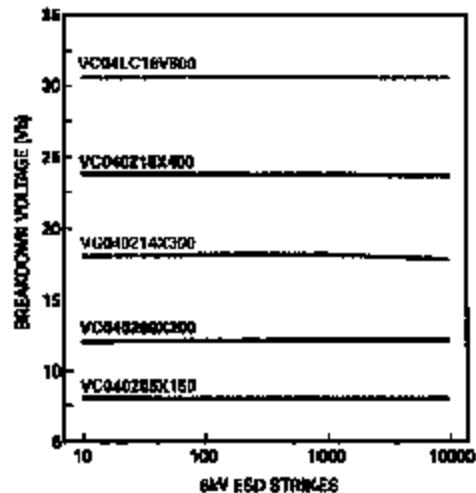
Multilayer construction and improved grain structure result in excellent transient clamping characteristics up to 20 amps peak current, while maintaining very low leakage currents under DC operating conditions. The VI curves below show the voltage/current characteristics for the 5.6V, 9V, 14V, 18V and low capacitance StaticGuard parts with currents ranging from parts of a micro amp to tens of amps.



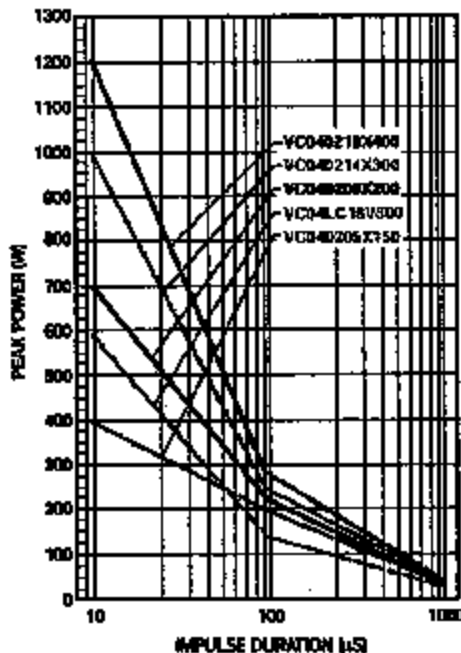
PULSE DEGRADATION

Traditionally varistors have suffered degradation of electrical performance with repeated high current pulses resulting in decreased breakdown voltage and increased leakage current. It has been suggested that irregular intergranular boundaries and bulk material result in restricted current paths and other non-Schottky barrier paralleled conduction paths in the ceramic. Repeated pulsing of TransGuard transient voltage suppressors with 150Amp peak 8 x 20µS waveforms shows negligible degradation in breakdown voltage and minimal increases in leakage current. This does not mean that TransGuard suppressors do not suffer degradation, but it occurs at much higher current.

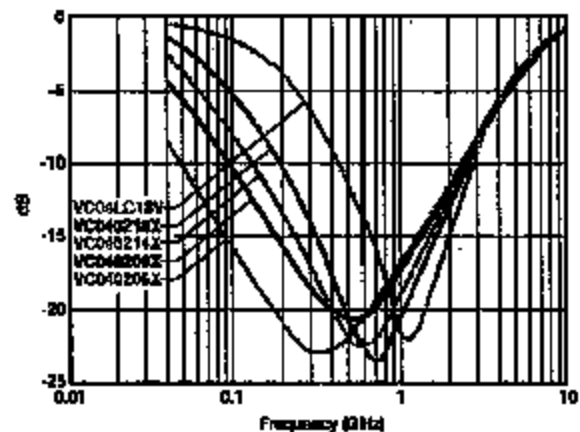
ESD TEST OF 0402 PARTS



PEAK POWER VS PULSE DURATION



INSERTION LOSS CHARACTERISTICS



AVX Multilayer Ceramic Transient Voltage Suppressors

VOLTAGES = 3.3, 5.6, 9, 14, 18, 26 OR 30 VDC
0603 SURFACE MOUNT

Dimensions:	Actual Size:	
	Length	1.6 ± 0.15mm (0.063" ± 0.006")
	Width	0.50 ± 0.15mm (0.032" ± 0.006")
	Thickness	0.9mm Max. (0.035")
	Termination Band Width	0.35 ± 0.15mm (0.014" ± 0.006")
	Termination Separation	0.7mm Min. (0.028")
	Termination Finish	Pt/Pd/Ag

AVX Part Number	Working Voltage	Breakdown Voltage	Clamping Voltage	Peak Current	Transient Energy	Capacitance	Inductance
Symbol	V_{max}	V_b	V_c	I_{max}	E_{max}	C	L
Units	Volts (max.)	Volts	Volts (max.)	Amp (max.)	Joules (max.)	pF (typ.)	nH (typ.)
Test Condition	<50 μ A	1mA DC	8/20 μ s†	8/20 μ s	10/1000 μ s	0.5Vrms @: 1kHz 1MHz	dV/dt = 100mA/nS
VC060303A100	3.3#	4.1 - 6.0	10	30	0.1	1800 1230	<1.0
VC060305A150	5.6	7.8 - 9.3	15.5	30	0.1	1000 825	<1.0
VC060309A200	9.0	11.0 - 15.0	20	30	0.1	650 550	<1.0
VC060314A300	14.0	16.5 - 20.3	30	30	0.1	500 424	<1.0
VC060318A400	18.0	22.9 - 28.0	40	30	0.1	275 225	<1.0
VC060326A580	26.0	31.0 - 38.0	58	30	0.1	200 180	<1.0
VC060330A850	30.0	37.0 - 46.0	65	30	0.1	175 150	<1.0
VC06LC18X500	See pages 14-15 for specification and performance details.						

V_{max} —Maximum steady-state DC operating voltage the varistor can maintain and not exceed 50 μ A leakage current

V_b —Voltage across the device measured at 1 mA DC current

V_c —Maximum peak voltage across the varistor measured at a specified pulse current and waveform

†Transient Energy Rating: 0.1 Joule | Pulse Current & Waveform: 2A/8/20 μ s

I_{max} —Maximum peak current which may be applied with the specified waveform without device failure

E_{max} —Maximum energy which may be dissipated with the specified waveform without device failure

C—Device capacitance measured with zero volt bias 0.5Vrms and 1kHz

L—Device inductance measured with a current edge rate of 100 mA/nS

Dimensions: Millimeters (inches)

#Test condition <100 μ A

TransGuard®



AVX Multilayer Ceramic Transient Voltage Suppressors

VOLTAGES = 3.3, 5.6, 9, 12, 14, 18, 26 OR 30 VDC

0805 SURFACE MOUNT

Dimensions:	Actual Size:	
	Length	2.01 ± 0.2mm (0.079" ± 0.008")
	Width	1.25 ± 0.2mm (0.049" ± 0.008")
	Thickness	1.02mm Max. (0.040")
	Lead Length	0.71mm Max. (0.028")
	Termination Finish	PuPd/Ag

AVX Part Number	Working Voltage	Breakdown Voltage	Clamping Voltage	Peak Current	Transient Energy	Capacitance		Inductance
Symbol	V_{WM}	V_B	V_C	I_{PM}	E_{TM}	C		L
Units	Volts (max.)	Volts	Volts (max.)	Amp (max.)	Joules (max.)	pF (typ.)		nH (typ.)
Test Condition	<50µA	1mA DC	8/20µs†	8/20µs	10/1000µs	0.5Vrms @:		dI/dt = 100mA/nS
						1kHz	1 MHz	
VC080503A100	3.3#	4.1 - 6.0	10	40	0.1	1300	830	<1.5
VC080503C100	3.3#	3.7 - 5.6	10	120	0.3	5500	4000	1.5
* VC080505A150	5.6	7.6 - 9.3	15.5	40	0.1	1250	860	<1.5
VC080505C150	5.6	7.1 - 8.7	15.5	120	0.3	3500	2400	1.5
VC080509A200	9	11.0 - 14.0	20	40	0.1	780	585	<1.5
VC080512A250	12	14.0 - 18.3	25	40	0.1	525	400	<1.5
VC080514A300	14	16.5 - 20.3	30	40	0.1	375	280	<1.5
VC080514C300	14	15.9 - 19.4	30	120	0.3	1100	820	1.5
VC080518A400	18*	22.9 - 28.0	40	30	0.1	350	275	<1.5
VC080518C400	18*	22.5 - 27.5	40	100	0.3	650	500	1.5
VC080526A580	26	31.0 - 37.9	58	30	0.1	140	110	<1.5
VC080526C580	26	30.5 - 37.3	58	100	0.3	250	190	1.5
VC080530A650	30	37.0 - 46.0	65	30	0.1	100	80	<1.5
VC08LC18A500	See pages 14-15 for specification and performance details.							

V_{WM} —Maximum steady-state DC operating voltage the varistor can maintain and not exceed 50µA leakage current

V_B —Voltage across the device measured at 1mA DC current

V_C —Maximum peak voltage across the varistor measured at a specified pulse current and waveform

† Transient Energy Rating	Pulse Current & Waveform
0.1 Joule	2A 8/20µS
0.2 - 0.3 Joules	3A 8/20µS

I_{PM} —Maximum peak current which may be applied with the specified waveform without device failure

E_{TM} —Maximum energy which may be dissipated with the specified waveform without device failure

C—Device capacitance measured with zero volt bias 0.5Vrms and 1kHz

L—Device inductance measured with a current edge rate of 100 mA/nS

*Withstands 24.5 VDC for 5 minutes (automotive applications)

Dimensions: Millimeters (Inches)

#Test condition <100µA



AVX Multilayer Ceramic Transient Voltage Suppressors

VOLTAGES = 3.3, 5.6, 14, 18, 26, 30 OR 48 VDC

1206 SURFACE MOUNT

Dimensions:	Actual Size:	□
	Length	3.20 ± 0.2mm (0.126" ± 0.008")
	Width	1.60 ± 0.2mm (0.063" ± 0.008")
	Thickness	1.02mm Max. (0.040")
	Land Length	0.71mm Max. (0.028")
	Termination Finish	Pt/Pd/AgO

AVX Part Number	Working Voltage	Breakdown Voltage	Clamping Voltage	Peak Current	Transient Energy	Capacitance		Inductance
Symbol	V_{WM}	V_B	V_C	I_{PM}	E_{TSM}	C		L
Units	Volts (max.)	Volts	Volts (max.)	Amp (max.)	Joules (max.)	pF (typ.)		nH (typ.)
Test Condition	<50 μ A	1mA DC	8/20 μ S†	8/20 μ s	10/1000 μ S	0.5Vrms @:		dI/dt = 100mA/nS
						1kHz	1 MHz	
VC120603A100	3.3#	4.1 - 6.0	10	40	0.1	2000	1500	<1.7
VC120603D100	3.3#	3.7 - 5.6	10	150	0.4	4700	3800	1.7
VC120605A150	5.6	7.6 - 9.3	15.5	40	0.1	1200	870	<1.7
VC120605D150	5.6	7.1 - 8.7	15.5	150	0.4	3000	2300	1.7
VC120614A300	14	16.5 - 20.3	30	40	0.1	600	500	<1.7
VC120614D300	14	15.9 - 19.4	30	150	0.4	1200	900	1.7
VC120618A400	18*	22.9 - 28.0	40	30	0.1	350	270	<1.7
VC120618D400	18*	22.5 - 27.5	40	150	0.4	800	635	1.7
VC120626D580	26	30.5 - 37.3	58	120	0.4	550	450	1.7
VC120630D650	30	36.0 - 45.0	65	120	0.4	500	400	1.7
VC120648D101	48	58.0 - 68.0	100	100	0.4	225	185	1.7
VC12LC18A500	See pages 14-15 for specification and performance details.							

V_{WM} —Maximum steady-state DC operating voltage the varistor can maintain and not exceed 50 μ A leakage current

V_B —Voltage across the device measured at 1mA DC current

V_C —Maximum peak voltage across the varistor measured at a specified pulse current and waveform

†Transient Energy Rating

0.1 Joules

30.4 Joules

Pulse Current & Waveform

2A 8/20 μ S

10A 8/20 μ S

I_{PM} —Maximum peak current which may be applied with the specified waveform without excessive leakage

E_{TSM} —Maximum energy which may be dissipated with the specified waveform without device failure

C—Device capacitance measured with zero volt bias 0.5Vrms and 1kHz

L—Device inductance measured with a current edge rate of 100 mA/nS

*Withstands 24.5 VDC for 5 minutes (automotive applications)

Dimensions: Millimeters (inches)

#Test condition <100 μ A

TransGuard®



AVX Multilayer Ceramic Transient Voltage Suppressors

VOLTAGES = 18, 26, 30, 48 OR 80 VDC
1210 SURFACE MOUNT

Dimensions:	Actual Size:	□
Length		3.20 ± 0.2mm (0.126" ± 0.008")
Width		2.49 ± 0.2mm (0.098" ± 0.008")
Thickness		1.70mm Max. (0.067")
Land Length		0.71mm Max. (0.028")
Termination Finish		Pt/Pd/Ag

AVX Part Number	Working Voltage	Breakdown Voltage	Clamping Voltage	Peak Current	Transient Energy	Capacitance		Inductance
Symbol	V_{wm}	V_b	V_c	I_{pm}	E_{tm}	C		L
Units	Volts (max.)	Volts	Volts (max.)	Amp (max.)	Joules (max.)	pF (typ.)		nH (typ.)
Test Condition	<50µA	1mA DC	8/20µs†	8/20µs	10/1000µs	0.5Vrms @:		di/dt = 100mA/nS
						1kHz	1MHz	
VC121018J390	18*	21.5 - 26.5	39	500	1.5	3100	2400	2.0
VC121026H560	26	29.7 - 36.3	56	300	1.2	2150	1675	2.0
VC121030G620	30	35.0 - 43.0	62	220	0.9	1900	1530	2.0
VC121030H620	30	35.0 - 43.0	62	280	1.2	1975	1575	2.0
VC121048G101	48	54.5 - 66.5	100	220	0.9	500	430	2.0
VC121048H101	48	54.5 - 66.5	100	250	1.2	525	450	2.0
VC121080J121	80	87.0 - 83.0	120	250	1.5	450	375	2.0

V_{wm} —Maximum steady-state DC operating voltage the varistor can maintain and not exceed 50µA leakage current

V_b —Voltage across the device measured at 1 mA DC current

V_c —Maximum peak voltage across the varistor measured at a specified pulse current and waveform

†Transient Energy Rating
≥0.4 Joules

Pulse Current & Waveform
10A 8/20µs

I_{pm} —Maximum peak current which may be applied with the specified waveform without device failure

E_{tm} —Maximum energy which may be dissipated with the specified waveform without device failure

C—Device capacitance measured with zero volt bias 0.5Vrms and 1kHz

L—Device inductance measured with a current edge rate of 100 mA/nS

*Withstands 24.5 VDC for 5 minutes (automotive applications)

Dimensions: Millimeters (Inches)

TransGuard®



AVX Multilayer Ceramic Transient Voltage Suppressors

VOLTAGES = 3.3, 5.6, 14, 18, 26, 30, 48, 60 VDC
 AXIAL LEADED

Dimensions:

	VA1000	VA2000
Body Length	(L) = 4.32mm Max. (0.170")	4.83mm Max. (0.190")
Body Diameter	(D) = 2.54mm Max. (0.100")	3.56mm Max. (0.140")
Lead Diameter	= 0.51 ± .05mm (0.020 ± 0.002)	0.51 ± .05mm (0.020 ± 0.002)
Lead Length	= 25.4mm Min. (1")	25.4mm Min. (1")

AVX Part Number	Working Voltage	Breakdown Voltage	Clamping Voltage	Peak Current	Transient Energy	Capacitance		Inductance
Symbol	V_{max}	V_b	V_c	I_{pm}	E_{max}	C		L
Units	Volts (max.)	Volts	Volts (max.)	Amp (max.)	Joules (max.)	pF (typ.)		nH (typ.)
Test Condition	<50µA	1mA DC	8/20µs†	8/20µs	10/1000µs	0.5Vrms @:		dI/dt = 100mA/nS
						1kHz	1 MHz	
VA10003A100	3.3#	4.1 - 6.0	10	40	0.1	1500	1100	3.5
VA10003D100	3.3#	3.7 - 5.6	10	150	0.4	4700	3800	3.5
VA10005A150	5.6	7.6 - 9.3	15.5	40	0.1	1000	750	3.5
VA10005D150	5.6	7.1 - 8.7	15.5	150	0.4	2800	2150	3.5
VA100014A300	14	16.5 - 20.3	30	40	0.1	400	300	3.5
VA100014D300	14	15.9 - 19.4	30	150	0.4	1200	900	3.5
VA100018A400	18	22.9 - 28.0	40	40	0.1	350	270	3.5
VA100018D400	18	22.5 - 27.5	40	150	0.4	900	700	3.5
VA100026D580	26	30.5 - 37.3	58	120	0.4	700	550	3.5
VA100030D650	30	36.0 - 45.0	65	120	0.4	600	500	3.5
VA100048D101	48	56.0 - 68.0	100	100	0.4	200	165	3.5
VA200060K121	60	67.0 - 83.0	120	300	2.0	400	340	3.5
VA10LC18A500	See pages 14-15 for specification and performance details.							

V_{max} —Maximum steady-state DC operating voltage the varistor can maintain and not exceed 50µA leakage current.

V_b —Voltage across the device measured at 1mA DC current.

V_c —Maximum peak voltage across the varistor measured at a specified pulse current and waveform.

Transient Energy Rating	Pulse Current & Waveform
0.1 Joule	2A 8/20µs
20.4 Joules	10A 8/20µs

I_{pm} —Maximum peak current which may be applied with the specified waveform without device failure.

E_{max} —Maximum energy which may be dissipated with the specified waveform without device failure.

C—Device capacitance measured with zero volt bias 0.5Vrms and 1kHz.

L—Device inductance measured with a current edge rate of 100 mA/nS.

Dimensions: Millimeters (Inches)

#Test condition <100µA

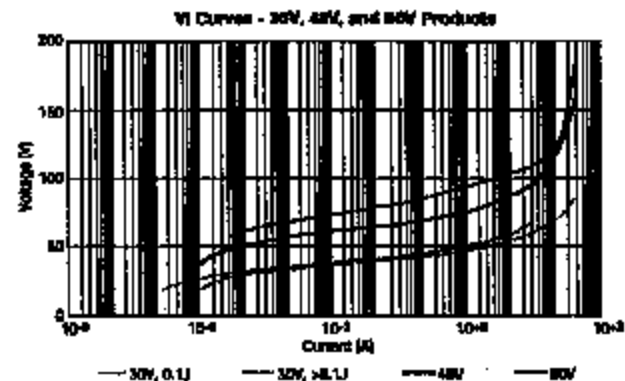
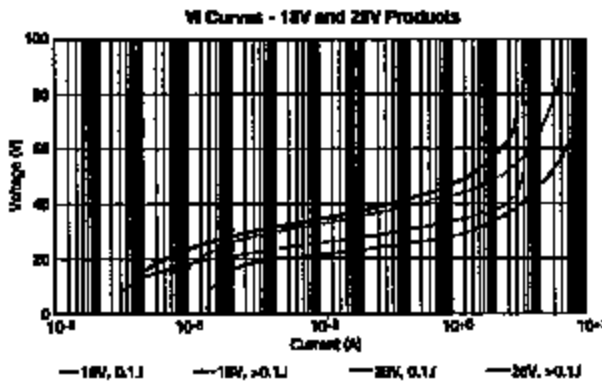
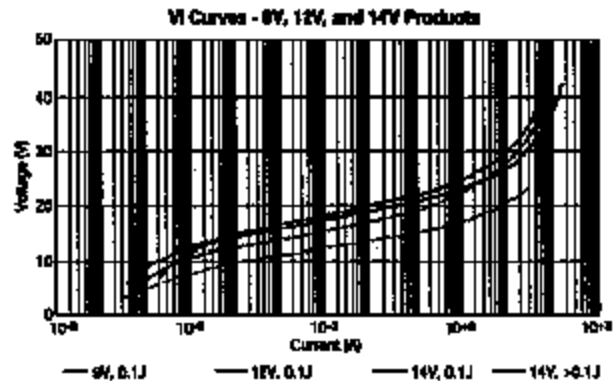
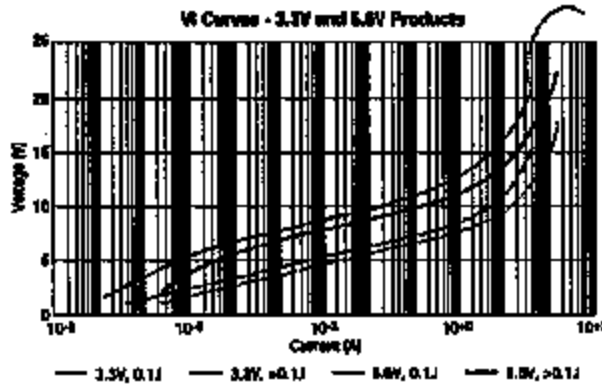


AVX Multilayer Ceramic Transient Voltage Suppressors

TYPICAL PERFORMANCE CURVES (0603, 0805, 1206 & 1210 CHIP SIZES)

VOLTAGE/CURRENT CHARACTERISTICS

Multilayer construction and improved grain structure result in excellent transient clamping characteristics up to 500 amps peak current, depending on case size and energy rating, while maintaining very low leakage currents under DC operating conditions. The VI curve below shows the voltage/current characteristics for the 3.3V, 5.6V, 12V, 14V, 18V, 26V, 30V, 48V and 60VDC parts with currents ranging from parts of a micro amp to tens of amps.



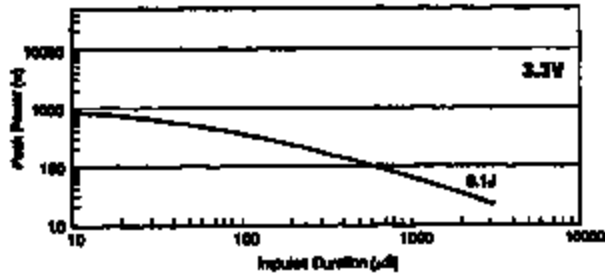
TransGuard[®]

AVX

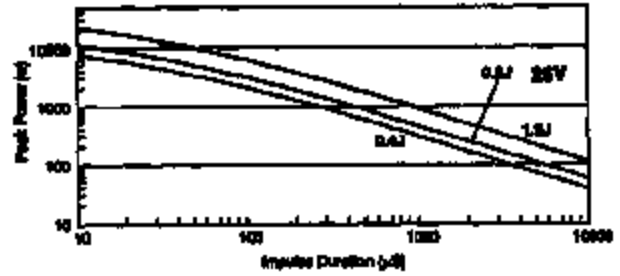
AVX Multilayer Ceramic Transient Voltage Suppressors

TYPICAL PERFORMANCE CURVES (0803, 0805, 1206 & 1210 CHIP SIZES)

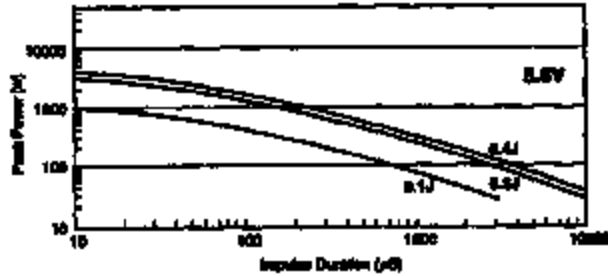
TYPICAL PULSE RATING CURVE
33V MULTILAYER TRANSQUARD[®]



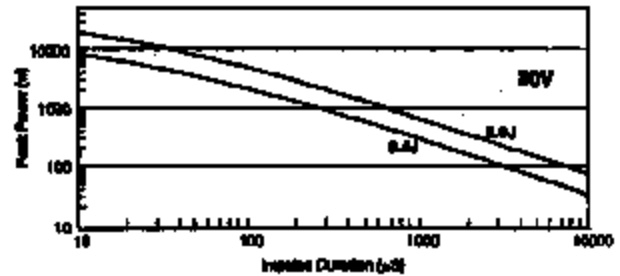
TYPICAL PULSE RATING CURVE
25V MULTILAYER TRANSQUARD[®]



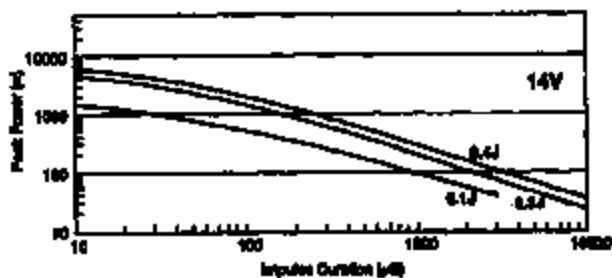
TYPICAL PULSE RATING CURVE
5.5V MULTILAYER TRANSQUARD[®]



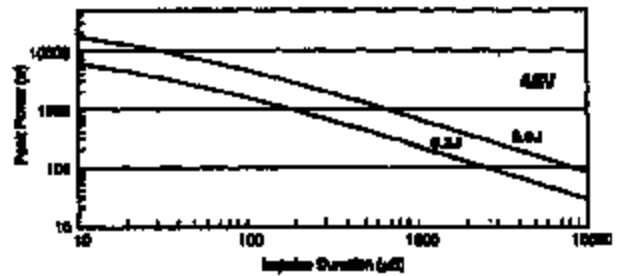
TYPICAL PULSE RATING CURVE
30V MULTILAYER TRANSQUARD[®]



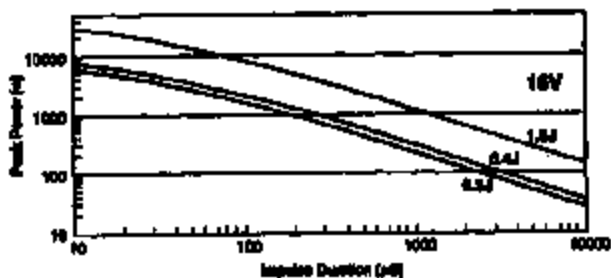
TYPICAL PULSE RATING CURVE
14V MULTILAYER TRANSQUARD[®]



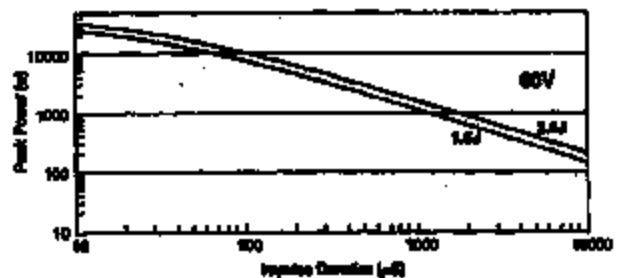
TYPICAL PULSE RATING CURVE
48V MULTILAYER TRANSQUARD[®]



TYPICAL PULSE RATING CURVE
18V MULTILAYER TRANSQUARD[®]



TYPICAL PULSE RATING CURVE
60V MULTILAYER TRANSQUARD[®]



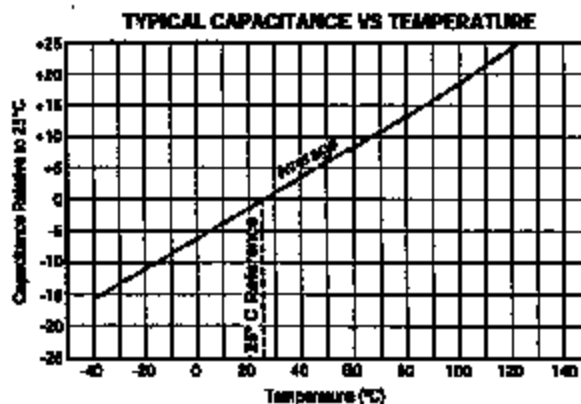
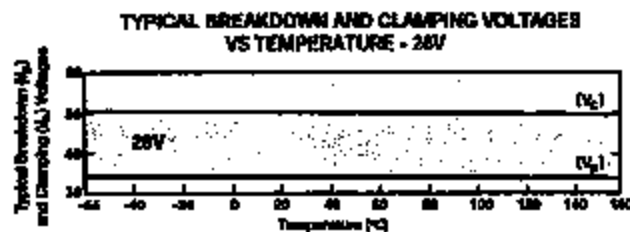
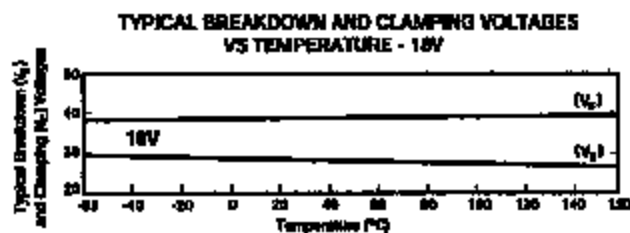
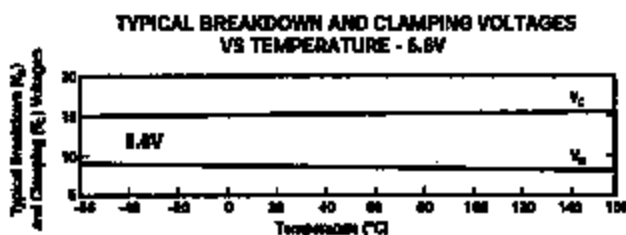
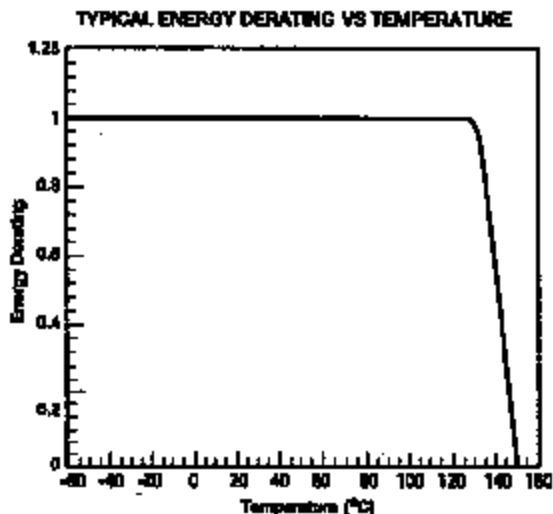
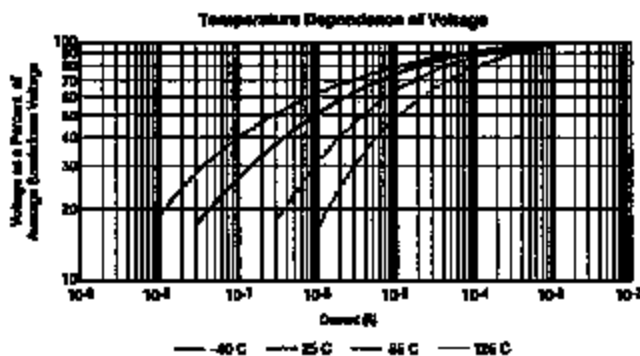
AVX

AVX Multilayer Ceramic Transient Voltage Suppressors

TYPICAL PERFORMANCE CURVES (0603, 0805, 1206 & 1210 CHIP SIZES)

TEMPERATURE CHARACTERISTICS

TransGuard® suppressors are designed to operate over the full temperature range from -55°C to +125°C. This operating temperature range is for both surface mount and axial leaded products.



AVX Multilayer Ceramic Transient Voltage Suppressors

TYPICAL PERFORMANCE CURVES (0803, 0805, 1206 & 1210 CHIP SIZES)

PULSE DEGRADATION

Traditionally varistors have suffered degradation of electrical performance with repeated high current pulses resulting in decreased breakdown voltage and increased leakage current. It has been suggested that irregular intergranular boundaries and bulk material result in restricted current paths and other non-Schottky barrier parallel conduction paths in the ceramic. Repeated pulsing of both 5.6 and 14V TransGuard transient voltage suppressors with

150Amp peak $8 \times 20\mu\text{s}$ waveforms shows negligible degradation in breakdown voltage and minimal increases in leakage current. This does not mean that TransGuard suppressors do not suffer degradation, but it occurs at much higher current. The plots of typical breakdown voltage vs number of 150A pulses are shown below.

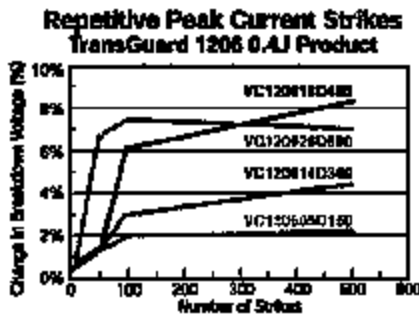


Figure 1

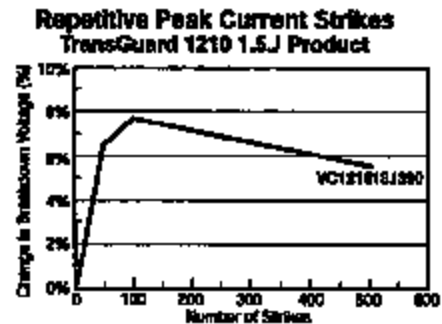


Figure 3

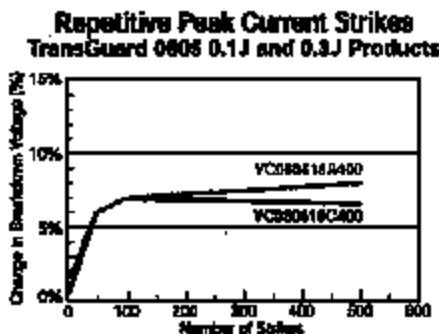


Figure 2

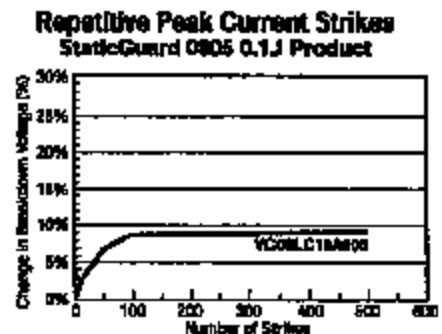
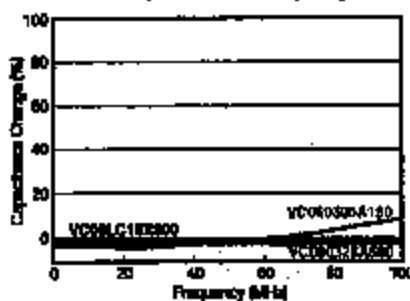


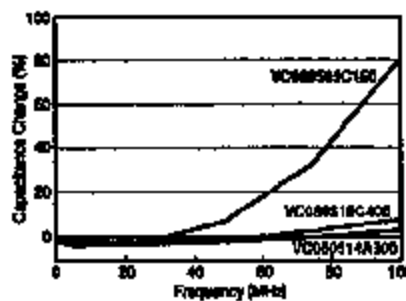
Figure 4

CAPACITANCE/FREQUENCY CHARACTERISTICS

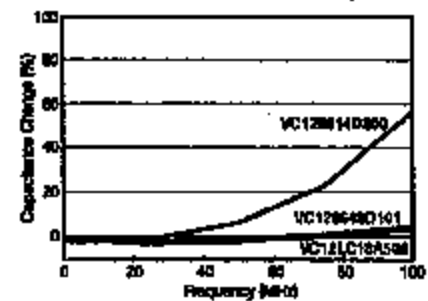
TransGuard Capacitance vs Frequency 0803



TransGuard Capacitance vs Frequency 0805



TransGuard Capacitance vs Frequency 1206





AVX TransGuard®

PACKAGING

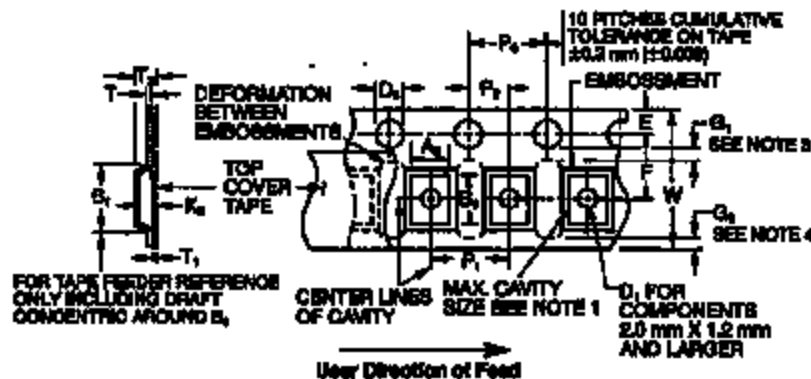
- Chips
- Axial Leads



TransGuard®

AVX Multilayer Ceramic Transient Voltage Suppressors Packaging - Chips / Embossed Carrier Configuration 8mm Tape Only

AVX



8mm Embossed Tape Metric Dimensions Will Govern

CONSTANT DIMENSIONS

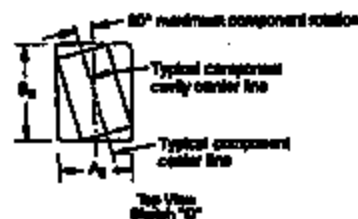
Tape Size	D ₀	E	P ₀	P ₂	T Max.	T ₁	G ₁	G ₂
8mm	8.42 ^{±0.05} (0.069 ±0.004)	1.75 ± 0.10 (0.069 ± 0.004)	4.0 ± 0.10 (0.157 ± 0.004)	2.0 ± 0.05 (0.079 ± 0.002)	0.600 (0.024)	0.10 (0.004) Max.	0.75 (0.030) Min. See Note 3	0.75 (0.030) Min. See Note 4

VARIABLE DIMENSIONS

Tape Size	B ₁ Max. See Note 6	D ₁ Min. See Note 5	F	P ₁	R Min. See Note 2	T ₂	W	A ₁ B ₂ K ₂
8mm	4.55 (0.179)	1.0 (0.039)	3.5 ± 0.05 (0.138 ± 0.002)	4.0 ± 0.10 (0.157 ± 0.004)	25 (0.984)	2.5 Max. (0.099)	8.0 ± 0.1 (0.315 ± 0.004)	See Note 1

NOTES:

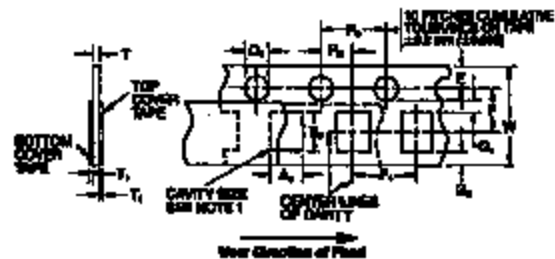
- A₁, B₂, and K₂ are determined by the max. dimensions to the ends of the terminals extending from the component body and/or the body dimensions of the component. The clearance between the end of the terminals or body of the component to the sides and depth of the cavity (A₁, B₂, and K₂) must be within 0.05 mm (0.002) min. and 0.50 mm (0.020) max. The clearance allowed must also prevent rotation of the component within the cavity of not more than 20 degrees (see sketches C & D).
- Tape with components shall pass around radius "R" without damage.
- G₁ dimension is the flat area from the edge of the sprocket hole to either the outward deformation of the carrier tape between the embossed cavities or to the edge of the cavity whichever is less.
- G₂ dimension is the flat area from the edge of the carrier tape opposite the sprocket holes to either the outward deformation of the carrier tape between the embossed cavity or to the edge of the cavity whichever is less.
- The embossment hole location shall be measured from the sprocket hole controlling the location of the embossment. Dimensions of embossment location and hole location shall be applied independent of each other.
- B₁ dimension is a reference dimension for tape feeder clearance only.



TransGuard®

AVX Multilayer Ceramic Transient Voltage Suppressors Packaging - Chips / Punched Tape Configuration 8mm Tape Only

8mm Punched Tape Metric Dimensions Will Govern



CONSTANT DIMENSIONS

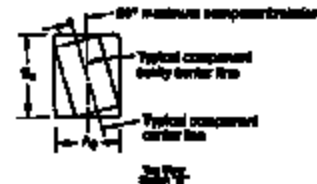
Tape Size	D ₀	E	P ₀	P ₁	T ₁	G ₁	G ₂	R MIN.
8mm	1.5 ± 0.059 (0.059 ± 0.002)	1.75 ± 0.10 (0.069 ± 0.004)	4.0 ± 0.10 (0.157 ± 0.004)	2.0 ± 0.05 (0.079 ± 0.002)	0.10 (0.004) Max.	0.75 (0.030) Min.	0.75 (0.030) Min.	25 (0.984) See Note 2

VARIABLE DIMENSIONS

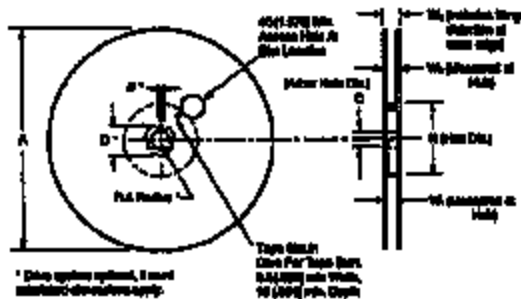
Tape Size	P ₁	F	W	A, B ₁	T
8mm	4.0 ± 0.10 (0.157 ± 0.004)	3.5 ± 0.05 (0.138 ± 0.002)	8.0 ± 0.1 (0.315 ± 0.004)	See Note 1	See Note 3

NOTES:

- A₀, B₀, and T are determined by the max. dimensions to the ends of the terminals extending from the component body and/or the body dimensions of the component. The clearance between the ends of the terminals or body of the component to the sides and depth of the cavity (A₀, B₀, and T) must be within 0.05 mm (0.002) min. and 0.50 mm (0.020) max. The clearance allowed must also prevent rotation of the component within the cavity of not more than 20 degrees (see sketches A & B).
- Tape with components shall pass around radius "R" without damage.
- 1.1 mm (0.043) Base Tape and 1.6 mm (0.063) Max. for Non-Paper Base Composites.



REEL DIMENSIONS



Tape Size	A Max.	B* Min.	C	D* Min.	N Min.	W ₁	W ₂ Max.	W ₃
8mm	330 (12.992)	1.5 (0.059)	13.0 ± 0.20 (0.512 ± 0.008)	20.2 (0.795)	50 (1.969)	6.4 ± 0.1 (0.252 ± 0.004)	14.4 (0.567)	7.9 Min. (0.311) 10.9 Max. (0.429)

Metric dimensions will govern.
English measurements rounded and for reference only.

BAR CODE LABELING STANDARD

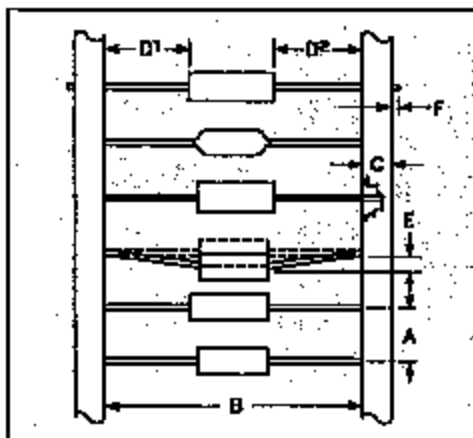
AVX bar code labeling is available and follows latest version of EIA-556.

TransGuard®

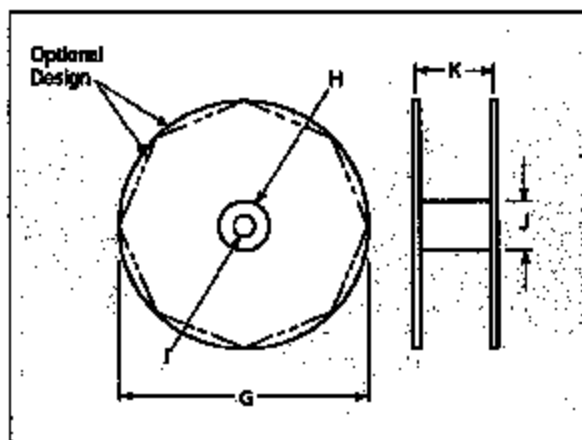
AVX Multilayer Ceramic Transient Voltage Suppressors
Packaging - Axial Leads / Tape and Reel



CLASS I / RS-206	
A.	5mm ± 0.5mm (0.200" ± 0.020")
B.	62.4mm ± 1.6mm (2.063" ± 0.063")
C.	6.35mm ± 0.4mm (0.250" ± 0.016")
D'-D'	1.4mm (0.055" MAX.)
E.	1.2mm (0.047" MAX.)
F.	1.6mm (0.063" MAX.)
G.	356mm (14.00")
H.	76mm (3.000")
I.	25.4mm (1.000")
J.	84mm (3.300")
K.	70mm (2.750")



Leader Tape: 300mm min. (12")
Splicing: Tape Only
Missing Parts: 0.25% of component count max.-
No consecutive missing parts



TransGuard®

AVX Multilayer Ceramic Transient Voltage Suppressors

Transient Voltage Testing



AVX TECHNICAL SERVICES AND TESTING FACILITY

The AVX test lab has the capability to perform ESD and a variety of other fast wave form tests on finished assemblies, subassemblies and components for performance to ESD per IEC 1000-4-2 contact/air discharge and a number of other transient voltage specifications.

Components can be tested for:

- Pre/post current draw
- Pre/post output driving voltage
- Pre/post receiver sensitivity levels
- TVS turn on time characterization

Finished assemblies and subassemblies can be tested for:

- System functionality under repetitive ESD strikes
- Pre/post output voltages
- Pre/post receiver sensitivity levels

For details on specific lab test capabilities and costs, contact: Jack Bush @ (843) 946-0244

NOTICE: Specifications are subject to change without notice. Contact your nearest AVX Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all applications.



LOCTITE

Formerly Duxor

Technical Data Sheet

Hysol[®] QMI 536

Non-Electrically Conductive Adhesive

Description

QMI 536 is a Teflon[™] (PTFE) filled non-conductive adhesive for attachment of integrated circuits and components to advanced substrates, including: PBGA's, array packages, tape packs, CSP's, and stacking die-on-die. The material is hydrophobic and stable at high temperatures. These features produce a void-free bond line with excellent interfacial adhesion strength to a wide variety of organic and metal surfaces, including solder mask, BT, FR, polyimide, Au, Kapton[™] and Mylar[™]. The adhesive also has excellent dielectric properties.

QMI 536 can be cured in a conventional oven, on a snap cure oven, or utilize Loctite's Skip-Cure[™] processing on a die bonder or wire bonder. The material is formulated to produce cure onset below 100°C. This can reduce or eliminate the need to pre-dry organic substrates prior to the die attach process.

"This product and its use may be covered by patent 5,717,034 and by one or more pending patent applications."

Typical Properties	QMI 536	Test Method
Viscosity 5 rpm @ 25°C, cP	8,500	TM 547
Thixotropic Index (.5/5 rpm)	5.7	TM 547
Pot Life @ 25°C, hours	24	TM 592
Shelf Life @ -40°C, months	12	TM 589
Specific Gravity, g/cc	1.26	TM 461
Die Shear (300 mil ² , 1 mil BLF) Average kg-f @ 25°C	17	TM 558
Moisture Absorption, wt. % 168 hours @ 85°C-85% RH	≤0.35%	TM 590
Extractable Ion Content, ppm Na ⁺ , K ⁺ Cl ⁻ , F ⁻	≤20 ≤20	TM 449
α Emissions count - particles/cm ² /hr	0.0007	DITM 0031A
Glass Transition Temperature (T _g), °C	-31	TM 433
Coefficient of Thermal Expansion (TMA) α ₁ , ppm/°C α ₂ , ppm/°C	93 174	TM 433
Volume Resistivity, ohm-cm	>10 ¹²	TM 572
Dielectric Constant @ 1 MHz, 25°C	2.6	TM588
Thermal Conductivity, W/m °K	0.3	ASTM 1461
DMA Modulus @ 25°C, GPa	0.3	TM 458
DMA Modulus @ 25°C, psi	43,000	

The above figures are typical material properties only and are not to be used for material specification purposes. To generate a specification for this product, please contact our Quality Manager and request a copy of the current stock specification.

Storage and Handling

QMI 536 is supplied in syringes and should be stored at -40°C. Please review Loctite's current Die Attach Handling Procedure for additional details on thawing and usage.

Cure Schedule

QMI 536 can be cured using a variety of times and temperatures, depending upon the specific cure equipment. Typical cure profiles are listed below. In these profiles, the temperatures stated are bondline temperatures and the stated times are at temperature.

Cure Mode	Bondline Temperature	Time @ Temperature
Conventional Oven	150 ° C	15 minutes
Snap Cure Oven	150 ° C	≥ 10 seconds
Tunnel Oven configured with hot gas or IR	150 ° C	≥ 10 seconds
Skip-Cure™	150 ° C	≥ 8 seconds

TDS3005 – 536 Rev. J

03/02

For additional information in the Americas, please contact one of the following locations:

California
TEL: 858.695.1716
FAX: 858.695.0951

Canada
TEL: 905.814.6511
FAX: 905.814.5391

For a complete listing of worldwide locations and information on related products, please visit our website www.loctite.com/electronics

DISCLAIMER: The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed, including without limitation any warranty of merchantability and fitness for use. All users of the materials are responsible for ensuring that it is suitable for their needs, environment and use. All data is subject to change as Loctite deems appropriate.

Users should review the Material Safety Data Sheet (MSDS) and product label for the material to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material. Copies of the MSDS and label are available upon request.

 A **Henkel** Company

EA82-027-D 0007



Material Safety Data Sheet

IDENTIFICATION

Product Number: QMI 536

Product Name: Organic Die Attach

Synonyms: Non-Conductive Thermoset Adhesive

INGREDIENTS

CAS number	Name	%	Potential Hazard
9002-84-0	Proprietary Filler	≤ 50	Irritant evolution at temperatures greater than 300°C (572°F)
none	Proprietary Bismaleimide	≤ 50	polymerization
none	Proprietary Polymer	≤ 20	polymerization

TSCA Status: The product is a mixture and therefore listing on the TSCA registry is not required. Each of these ingredients are listed, or covered by a low volume exemption under section 5(h) (4).

PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: N/E

Density g/ml: 1.26

Water Solubility: Insoluble

Boiling Pt °C: N/A

Vapor Pressure: Negligible

Polymerization Temp: 150°C

Physical State, Appearance and Odor: A viscous white paste with mild odor.

TOXICOLOGICAL AND ECOTOXICITY HAZARD DATA

Flash Point °F: > 200 °F

Extinguishing Media: carbon dioxide, dry chemical, water fog

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent inhalation or contact of combustion products.

Unusual Fire and Explosion Hazards: Hazardous polymerization will not occur.

Product Number: QMI 536

Product Name: Organic Die Attach

REACTIVITY DATA

Material is stable under normal storage and recommended use conditions (-40°C, and < 35°C, respectively)

Incompatibilities: Strong Oxidizers, acids, and bases.

Hazardous Combustion or Decomposition Products: CO₂, CO, HF, NO_x, hydrocarbons from incomplete combustion.

TOXICITY AND HEALTH HAZARD DATA

Potential Routes of entry: Ingestion, skin and eye exposure.

Is material listed in National Toxicology Program, Third Annual Report on Carcinogens? No

Has the material been found to be a potential carcinogen by the International Agency for Research on Cancer? No

Acute Effects: May cause eye and skin irritation on contact. Inhalation of fumes evolved during the product's cure may irritate the respiratory tract. Ingestion may cause irritation to the gastrointestinal tract.

To the best of our knowledge, the chemical, physical and toxicological properties of this material have not been thoroughly investigated.

First Aid:

Inhalation - Remove to fresh air and consult a physician. If not breathing give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Eyes - Flush with water for at least 15 minutes and contact a physician.

Skin - Remove contaminated clothing as needed. Wash affected area with soap and water.

Ingestion - Drink large quantities of water. Do not induce vomiting. Contact a physician. Never give liquids to an unconscious person.

Product Number: QMI 538

Product Name: Organic Die Attach

CAUTION: HAZARDOUS MATERIALS AND STORAGE

Protective equipment: Safety glasses and chemical resistant gloves.

Handling protocols: Good personal hygiene must be maintained. Do not allow eating, smoking, or drinking in storage or use areas. Avoid ingestion and contact with skin and eyes. Use product in a well ventilated area.

Storage conditions: Store at -40°C until required for use.

EMERGENCY PROCEDURES

Steps to be taken if material is released or spilled:

Small spills: Wipe up spilled material and package in storage drums for disposal.

Large spills: Shovel material in to storage drums for disposal.

Waste disposal method: Destructive incineration in a permitted facility is the preferred method of disposal. Observe all federal, state and local laws.

REGULATORY INFORMATION

This product contains a toxic chemical(s) subject to the reporting requirements of SARA 313 (40CFR372).

OTHER INFORMATION

The information contained herein relates only to the specific material identified. Loctite Corporation believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Loctite Corporation urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

Latest Revision By Bill Wood, Dated 9/19/98

Loctite Corporation
9938 Via Pasar, San Diego, CA 92126
Phone: (658) 695-1716 fax: (658) 695-0951

A  Company



Material Safety Data Sheet

IDENTIFICATION

Product Number: QMI 536

Product Name: Organic Die Attach

Synonyms: Non-Conductive Thermoset Adhesive

INGREDIENT DISCLOSURE

CAS number	Name	%	Potential Hazard
9002-84-0	Proprietary Filler	≤ 50	Irritant evolution at temperatures greater than 300°C (572°F)
none	Proprietary Bismaleimide	≤ 50	polymerization
none	Proprietary Polymer	≤ 20	polymerization

TSCA Status: The product is a mixture and therefore listing on the TSCA registry is not required. Each of these ingredients are listed, or covered by a low volume exemption under section 5(h) (4).

PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: N/E

Density g/ml: 1.26

Water Solubility: Insoluble

Boiling Pt °C: N/A

Vapor Pressure: Negligible

Polymerization Temp: 150°C

Physical State, Appearance and Odor: A viscous white paste with mild odor.

FIRE AND EXPLOSION HAZARD DATA

Flash Point °F: > 200 °F

Extinguishing Media: carbon dioxide, dry chemical, water fog

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent inhalation or contact of combustion products.

Unusual Fire and Explosion Hazards: Hazardous polymerization will not occur.

Product Number: QM1 536

Product Name: Organic Die Attach

REACTIVITY DATA

Material is stable under normal storage and recommended use conditions (-40°C, and < 35°C, respectively)

Incompatibilities: Strong Oxidizers, acids, and bases.

Hazardous Combustion or Decomposition Products: CO₂, CO, HF, NO_x, hydrocarbons from incomplete combustion.

TOXICITY AND HEALTH HAZARD DATA

Potential Routes of entry: Ingestion, skin and eye exposure.

Is material listed in National Toxicology Program, Third Annual Report on Carcinogens? No

Has the material been found to be a potential carcinogen by the International Agency for Research on Cancer? No

Acute Effects: May cause eye and skin irritation on contact. Inhalation of fumes evolved during the product's cure may irritate the respiratory tract. Ingestion may cause irritation to the gastrointestinal tract.

To the best of our knowledge, the chemical, physical and toxicological properties of this material have not been thoroughly investigated.

First Aid:

Inhalation - Remove to fresh air and consult a physician. If not breathing give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Eyes - Flush with water for at least 15 minutes and contact a physician.

Skin - Remove contaminated clothing as needed. Wash affected area with soap and water.

Ingestion - Drink large quantities of water. Do not induce vomiting. Contact a physician. Never give liquids to an unconscious person.

Product Number: QMI 538

Product Name: Organic Die Attach

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Protective equipment: Safety glasses and chemical resistant gloves.

Handling protocols: Good personal hygiene must be maintained. Do not allow eating, smoking, or drinking in storage or use areas. Avoid ingestion and contact with skin and eyes. Use product in a well ventilated area.

Storage conditions: Store at -40°C until required for use.

SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled:

Small spills: Wipe up spilled material and package in storage drums for disposal.

Large spills: Shovel material in to storage drums for disposal.

Waste disposal method: Destructive incineration in a permitted facility is the preferred method of disposal. Observe all federal, state and local laws.

REGULATORY INFORMATION

This product contains a toxic chemical(s) subject to the reporting requirements of SARA 313 (40CFR372).

OTHER INFORMATION

The information contained herein relates only to the specific material identified. Loctite Corporation believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Loctite Corporation urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

Latest Revision By Bill Wood, Dated 9/19/98

Loctite Corporation
9938 Via Pajar, San Diego, CA 92126
Phone: (858) 695-1716 fax: (858) 695-0951

A  Company

LOCTITE

Formerly Daxtar

Technical Data Sheet

Hysol® QMI 536

Non-Electrically Conductive Adhesive

Description

QMI 536 is a Teflon™ (PTFE) filled non-conductive adhesive for attachment of integrated circuits and components to advanced substrates, including: PBGA's, array packages, tape packs, CSP's, and stacking die-on-die. The material is hydrophobic and stable at high temperatures. These features produce a void-free bond line with excellent interfacial adhesion strength to a wide variety of organic and metal surfaces, including solder mask, BT, FR, polyimide, Au, Kapton™ and Mylar™. The adhesive also has excellent dielectric properties.

QMI 536 can be cured in a conventional oven, on a snap cure oven, or utilize Loctite's Skip-Cure™ processing on a die bonder or wire bonder. The material is formulated to produce cure onset below 100°C. This can reduce or eliminate the need to pre-dry organic substrates prior to the die attach process.

"This product and its use may be covered by patent 5,717,034 and by one or more pending patent applications."

Typical Properties	QMI 536	Test Method
Viscosity 5 rpm @ 25°C, cP	8,500	TM 547
Thixotropic Index (.5/5 rpm)	5.7	TM 547
Pot Life @ 25°C, hours	24	TM 592
Shelf Life @ -40°C, months	12	TM 589
Specific Gravity, g/cc	1.26	TM 461
Die Shear (300 mil ² , 1 mil BLT) Average kg-f @ 25°C	17	TM 558
Moisture Absorption, wt. % 168 hours @ 85°C-85% RH	≤0.35%	TM 590
Extractable Ion Content, ppm Na ⁺ , K ⁺ Cl ⁻ , F ⁻	≤20 ≤20	TM 449
α Emissions count - particles/cm ² /hr	0.0007	DTM 0031A
Glass Transition Temperature (Tg), °C	-31	TM 433
Coefficient of Thermal Expansion (TMA) α _t , ppm/°C α _z , ppm/°C	93 174	TM 433
Volume Resistivity, ohm-cm	>10 ¹³	TM 572
Dielectric Constant @ 1 MHz, 25°C	2.6	TM588
Thermal Conductivity, W/m °K	0.3	ASTM 1461
DMA Modulus @ 25°C, GPa DMA Modulus @ 25°C, psi	0.3 43,000	TM 458

The above figures are typical material properties only and are not to be used for material specification purposes. To generate a specification for this product, please contact our Quality Manager and request a copy of the current stock specification.

Storage and Handling

QMI 536 is supplied in syringes and should be stored at -40°C. Please review Loctite's current Die Attach Handling Procedure for additional details on thawing and usage.

Cure Schedule

QMI 536 can be cured using a variety of times and temperatures, depending upon the specific cure equipment. Typical cure profiles are listed below. In these profiles, the temperatures stated are bondline temperatures and the stated times are at temperature.

Cure Mode	Bondline Temperature	Time @ Temperature
Conventional Oven	150 °C	15 minutes
Snap Cure Oven	150 °C	≥ 10 seconds
Tunnel Oven configured with hot gas or IR	150 °C	≥ 10 seconds
Skip-Cure™	150 °C	≥ 8 seconds

TDS3005 - 536 Rev. J

03/02

For additional information in the Americas, please contact one of the following locations:

California
TEL: 909.693.1716
FAX: 909.693.0951

Canada
TEL: 905.814.8511
FAX: 905.814.3391

For a complete listing of worldwide locations and information on related products, please visit our website www.loctite.com/electronics

DISCLAIMER: The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed, including without limitation any warranty of merchantability and fitness for use. All users of the materials are responsible for ensuring that it is suitable for their needs, environment and use. All data is subject to change as Loctite deems appropriate.

Users should review the Material Safety Data Sheet (MSDS) and product label for the material to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material. Copies of the MSDS and label are available upon request.





EM02-027-D 0017

SUPPLIER REQUEST FOR I

PROVAL

DATE August 02 XX 2000

SUPPLIER NAME AND ADDRESS
Kavlico Corp., 14501 Los Angeles Ave., Moorpark, CA 93021 K0460

FORD AND/OR SUPPLIER PART NAME AND FIRST THREE OF ASSEMBLY AND ITS COMPONENTS
TM-OPFE Sensor
YF1E-9J433-AF, -AG "and other derivatives"
YF1E-9J460-AC, -AD
YM2A-9J433-AB
YM2A-9J460-AB

DESIGN-CONTROL CODE NUMBER
DESIGN-CONTROL CODE NUMBER
CONTROL ITEM AFFECTED
 YES NO

DESCRIPTION OF CHANGE: DESIGN COMPOSITION WEIGHT PROCESSING
Change tunnel test process parameters as per attached documentation.
1. Change drift spec to read "no more than 140mv change in null per 100° C differential."
2. Increase minimum test temperature from -40°C to -20°C.
3. Test at 3 pressure differentials of 0, 50, 100 in H2O.

EFFECT OF CHANGE:
-Improved yields
-Improved throughput
-Better replicates operating environment

INTERCHANGEABILITY AFFECTED	TIME NEEDED TO INCORPORATE CHANGE AFTER APPROVAL	TOOLING OR FACILITY CHANGES REQUIRED
ASSEMBLY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
COMPONENTS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		IF YES, COST EFFECT \$
WILL INCORPORATION OF CHANGE AFFECT SHIPPING SCHEDULE?	SIGNATURE <i>[Signature]</i>	PRICE COST AFFECTED
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	SUPPLIER RESPONSIBILITY	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
		IF YES, COST EFFECT \$

APPROVED **RELEASE ACTION NEEDED, NOTE #** **REJECTED**

BY **SIGNATURE** *[Signature]* **DATE** 8/2/00 **CONCURRED BY** *[Signature]* **DATE** 8/2/00

BLAMEY APPROVAL GRANTED FOR DISCREPANT CHANGES WHICH ARE BLAMEY DESCRIBED ABOVE YES NO **SUPPLIER CHECKLIST ATTACHED** YES NO **SAMPLE OF EXCHANGED COMPONENT RECEIVED** YES NO

REASON FOR REJECTION OR QUALIFYING CONDITIONS OF ACCEPTANCE:
Items 1 & 2 will become permanent change to the EIS. YF1E-9J460-AB. This is consistent with what we have done with other suppliers. *[Signature]*

REVIEWED BY: **SQA** _____ **DATE** _____ **PURCHASING** _____ **DATE** _____

* This approval is granted upon the understanding that it is advisory in nature and in no manner changes the Seller's original responsibility for knowing that all characteristics, designated in the applicable engineering specifications and/or inherent in the samples as originally tested and approved, are maintained. Seller accepts full responsibility for the changes or types of changes listed above; and should such changes result in less satisfactory performance than experienced with the originally approved item, Seller will fully reimburse the Buyer for all expenses incurred to correct the deficiency.

KAVLICO / FORD TIER 1-2-3 #24310.

MOUNTAIN VIEW, CA 4/25-4-24-01

NAME	CO / FUNCTION	PHONE / E-MAIL
BOB KEENEY	FORD / LEAN ENG.	313-390-1358 / RKEENEY@FORD.CO
STEVE SANTA	KAVLICO Purch Dir	805-523-2000 SSANTA@KAVLICO.CO
DICK BIGNATI	VP. MFG.	805-523-2000 dbignati@KAVLICO.CO
JOHN SIMONOFF	MFG. MGR.	805-523-2000 JSimonoff@KAVLICO.CO
SANDY PATIL	INDUSTRIAL ENG. MGR	805-523-2000 SPATIL@KAVLICO.CO
TERRY DRUDDY	MGR, SILICON ASSY	805-523-2000 TDruddy@KAVLICO.CO
BOB WEITKAL	Kavlico/QA	805-523-2010x2357 bweitka@Kavlico.c
NOAH HECKMANN	KAVLICO/MFG MGR	805-523-2000 P2774 nheckmann@Kavlico.com
JOHN COSTANES	KAVLICO/MATL MGR	805-571-6575 jcostanes@kavlico.com
CATHERINE K. BANSEK	FORD / Kavlico Oemplant / EGR SYSTEMS	313-303-8747 CBANSEK@FORD.CO
BARRY M. BUGAJ	Kavlico	(248)848-9350 bbugaj@Kavlico.CO
DONALD WOODARD	FORD Purchasing	313-337-6954 DWOODARD@FORD.CO
HOLLY AIKENS	FORD PURCHASING	313-845-3906 HAIKENS@FORD.CO
JOHN BOLGER	FORD ENGINEERING	313-248-7436 JBOLGER1@FORD.CO
DON AYERS	Kavlico/Prog MGR.	805-523-2000 dayers@Kavlico.c
TIM ZURAN	FORD/STA PTO	313-621-1754 TZURAN@FORD.CO
MARK FREELAND	FORD / G SIGMA	313-594-7645 MRFREELAND@FORD.CO
JIM MAURER	FORD / G SIGMA	313-390-3672 JMAURER@FORD.CO

**Kavlico TM dPFE Sensor
14D Core Team Meeting
Thursday, January 3, 2002
Time: 1-3:00 p.m.
Conf. Room: DI-186**

Agenda

1. Team Roster Update (PTSE/EESI, etc.)
2. Re-write of Issue One Pager root cause (per Dan Kapp)
3. Pick "best of best" comparator for (5) high R/1000 vehicles
4. Kavlico return parts testing.....Mary/Mafunood
5. Focus Warranty data/graphs review.....Mark Freeland
6. Discussion: Establish common cause (non-sensor) contributors for Kavlico and Motorola from AWS and CQIS
7. Set assignments/open issues priority and establish as items on agenda
8. Generic meeting agenda format discussion
9. Walk-ins / Additional Issues

2000-2002 Kavlico TM dPFE Sensor
Team Roster by Organization/Department

Kavlico TM dPFE Sensor								
Team Roster								
* Denotes Core Team Member								
LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
*Gates	Freeman	313-32-24807	V-Engine	FMEI Tech Spec./Technical Lead	Ford	POEE	fgates@ford.com	313-39-0-4084
*Owens	Karen	313-84-55770	V-Engine	FMEI Supervisor/QA team leader	Ford	POEE	kowens@ford.com	313-845-5770
*Panarellos	Chris	313-24-89337	V-Engine	Proj. Mgt. Analyst	Proj.Solution	POEE	cpanarel@ford.com	313-322-8265
*Plante	Paul	313-84-54139	V-Engine	Campaign Prevent Specialist	Ford	POEE	pplante@ford.com	
*Verner	Carol	313-39-07180	V-Engine	FMEI Engineer	Ford	POEE	cverner@ford.com	313-39-0-4084
Albrecht	Gunther	313-32-23163	V-Engine	Service Engineer	Ford	POEE	galbrech@ford.com	313-621-4367
Barsek	Catherine	313-32-38101	V-Engine	FMEI CPMT Eng./WERA concerns	Ford	POEE	cbarsek2@ford.com	313-39-0-4084
Johnson	Joe	313-84-58292	V-Engine	FMEI Section Supv.	Ford	POEE	jjohnson@ford.com	313-39-0-4084
Kerezi	Karen	313-20-83387	V-Engine	FMEI AWS Analyst	Ford	POEE	kkerezi@ford.com	313-845-3189
O'Neill	Jim		V-Engine	FMEI Dept. Mgr.	Ford	POEE	joneill@ford.com	313-39-0-4084
*Awad	Mahmoud	734-56-35815	Quality Office	Reliability Engineer/ Field Data Leader	Ford	ATNPC	mawad@ford.com	313-39-0-2315
*Schieding	Kurt	313-32-25449	Quality Office	Reliability Supervisor	Ford	POEE	kschiedi@ford.com	313-39-0-2314
*Smythe	Joe	313-62-12995	Purchasing	STA Engineer (Leader)	Ford	PTE	jsmythe@ford.com	313-337-2804
McCarty	Bill	313-59-41031	Purchasing	Production Buyer	Ford	Purchasing	wmccart1@ford.com	313-594-4875
Nielsen	Chris	734-28-89888	Purchasing	Service Buyer	Ford	FCSD	cnleae4@ford.com	
White-Johnson	Patrice	313-39-04409	Purchasing	STA Site Manager	Ford	AVTS	pwhitej@ford.com	313-399-2804
*Arnold	Ken	313-24-84178	PT Elec Appl	4.6 F160 Supv./Leader	Ford	POEE	karnold@ford.com	313-32-36743
Perry	Brian	313-39-04170	PT Elec Appl	2.0L Zetec Focus/Escape Supv.	Ford	POEE	bperry@ford.com	313-39-03830
Deeb	Joe	313-84-56003	PT Elec Appl	3.0L 4V Esc/Taurus Supv.	Ford	POEE	jdeeb@ford.com	313-39-03830
Auiler	Jim	313-32-38763	PCSE	Chief Engineer	Ford	POEE	jeuiler@ford.com	
Kapp	Dan	313-33-76554	CAPE	AVT Chief Engineer	Ford	POEE	dkapp1@ford.com	
Bronni	Mark	313-24-84509	Motorola	On-Site Rep.	Motorola	POEE	mbronni@ford.com	313-39-0-4084
*Akins	Mary	313-24-81989	Kavlico	On-Site Rep.	Kavlico	POEE	makins@ford.com	313-39-0-4084
*Ayers	Dan	805-523-2000	Kavlico	Program Manager/Technical Leader	Kavlico	CA	dayers@kavlico.com	805-523-8475
Davies	Brady	805-523-2000	Kavlico	Director MEMS Technology	Kavlico	CA	bdavies@kavlico.com	805-523-7125
Park	Kyong	805-523-2000	Kavlico	VP Research and Dev't	Kavlico	CA	kpark@kavlico.com	805-523-7125
Tamashiro	Terry	805-523-2000	Kavlico	Warranty Analysts	Kavlico	CA	ttamashiro@kavlico.co	805-523-7125
*Freeland	Mark	313-59-47845	FRL	6-Sigma Black Belt	Ford	FRL	mfreela1@ford.com	313-621-0346

created: 12/11/01

2000-2002 Kavlico TM dPFE Sensor
 Team Roster by Organization/Department

Revision Date: 1/3/02

Kavlico TM dPFE Sensor								
Team Roster								
* Denotes Core Team Member								
LAST NAME	FIRST NAME	PHONE NO.	ORG./Dept.	TITLE/FUNCTION	COMPANY	LOCATION	E-MAIL	FAX NUMBER
Giordano	Mike	313-32-20825	Focus	C&P Supervisor	Ford	VPC	mgiorda1@ford.com	
Kunde	Olaf	313-20-65930	Focus	PT Focus Program Mgr.	Ford	VPC	okunde1@ford.com	313-248-2526
Popoff	Den	313-24-88603	Focus	C&P Quality Eng (Leader)	Ford	VPC	dpopoff@ford.com	
Belint	Gary	313-33-72780	FCSD	Recall Program Manager	Ford	DSCII	gbelint@ford.com	
Bersuder	Lee	313-84-50881	FCSD	FQE Supervisor	Ford	TWCTDR	lbersude@ford.com	
Biasi	Gerry	313-24-86280	FCSD	ECI Supervisor	Ford	TWCTDR	gbiasi@ford.com	
Shore	John	734-28-68789	FCSD	PS&L Recall Mgr./Parts costs	Ford	FCSD	jshore@ford.com	734-266-1168
Williamson	Rick	313-24-86348	FCSD	ECI Prod.Con.Anal.	Ford	FCSD	rwil110@ford.com	
Masura	Gordon	313-32-29882	EPRC	Leader	Ford	FPB4	gmasura@ford.com	
Oswalt	Greg	313-39-01160	EPRC	Critical Con. Mgr.	Ford	FCSD	goswalt@ford.com	313-584-7470
Rossi	Robert	313-84-51438	EESE	Wring CPS	Ford	Bldg. #1	rrossi1@ford.com	
Wilson	Cary	313-39-02852	EESE	Chief Engineer	Ford	AVTS	cwilso32@ford.com	
pgpdpfeteam.xls; 1/3/02								

EP82-827-D 0022

Plante, Paul (P.G.)

From: Plante, Paul (P.G.)
Sent: Thursday, January 03, 2002 11:35 AM
To: Panaretos, Christine (C.M.)
Cc: Plante, Paul (P.G.); Owens, Karen (K.E.)
Subject: DPFE Sensor Team meeting Agenda Thursday 1/3/02

Chris, please send to core team members only for this week. Also attached is updated team roster. Update your file. I did NOT update sign in sheet. I will bring roster and agenda copies to meeting.

Agenda:

- 1) Team roster update (PTSE & EESE etc)
- 2) Rewrite of issue one pager per Dan Kapp
- 3) Pick "best of best" comparator for (5) high R/1000 vehicles.
- 4) Kavlico return parts testing (Mary/Mahmoud)
- 5) Focus warranty data/graphs review (Mark F)
- 6) Discussion: Establish common cause (non sensor) contributors for Kavlico and Motorola from AWS & CQIS.
- 7) Set assignments/open issues priority and establish as items on agenda
- 8) Generic meeting agenda format discussion
- 9) Walk ins

Next meeting agenda:

- A) Introduce new team members
- B) Overview of issue for new members
- C) Bob Dalbo stalls issue review

Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pillar D6
Tele. 313-84-54138; Fax 38-02513
Text Pager: 734-296-1905
E Mail: pplante@ford.com (CDS ID PPLANTE)

Freeland, Mark (M.)

From: Johnson, Joe (J.H.)
Sent: Wednesday, January 02, 2002 7:26 AM
To: Freeland, Mark (M.)
Subject: RE: 2000 through 2002 Kavlico TM DPFE Sensor

Doreen is correct.

Joe Johnson

Superviaor, EGR Systems, FMEI Dept
V-Engine Engineering, Powertrain Operations
POEE Bldg, Mail Drop 69
21500 Oakwood Blvd
Dearborn, Mich 48124-4091

Ph: (313) 845-8292
Fax: (313) 390-4084
e-mail: jjohnson@ford.com

—Original Message—

From: Freeland, Mark (M.)
Sent: Thursday, December 20, 2001 1:18 PM
To: Banek, Catherine (C.K.); Johnson, Joe (J.H.)
Cc: Owens, Karen (K.E.); Verner, Carol (C.J.); Plants, Paul (P.G.); Aldns, Mary (M.); Galas, Freeman (F.C.)
Subject: FW: 2000 through 2002 Kavlico TM DPFE Sensor

Joe or Cathy,

What sensor type is used on the 2001 MY 3.0L Vulcan Ranger?

Thanks

Regards

Mark Freeland

6-Sigma Black Belt Candidate
Physics Department
Ford Research Laboratory
P.O. Box 2053
MD 3028 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreela1@ford.com
Tel.: (313) 594-7645

—Original Message—

From: Muter, Doreen (D.J.)
Sent: Thursday, December 20, 2001 12:41 PM
To: Owens, Karen (K.E.); Freeland, Mark (M.); Aldns, Mary (M.)
Cc: Plants, Paul (P.G.); Verner, Carol (C.J.); Muter, Doreen (D.J.); Bandoske, Pete (P.F.); Mercier, Julie (J.A.)
Subject: 2000 through 2002 Kavlico TM DPFE Sensor

Karen, Mark, and Mary, I am the product concern analyst at FCSD assigned to the Kavlico DPFE Sensor concern. The 2001 and 2002 Ranger equipped with the 3.0L Vulcan engine is listed as affected vehicles on the 14D. After preliminary investigation, it was determined that the 2001 and

2002 3.0L Vulcan engine is not affected by the Kavlico DPFE sensor. The 2001 3.0LRanger is not tube mounted and the 2002 3.0L Ranger does not have an EGR system. Would you please remove these vehicles from the 14D. The 3.0L Vulcan Taurus/Sable switched to a Motorola sensor in early December 2001. I will forward the date when I get it. Any questions please call.

Doreen J. Muter

Recall & Service Programs--FCSD
Diagnostic Service Center II, Cube 783
Phone #:313-248-9391
dmuter@ford.com

Kavlico TM dPFE Sensor
14D Core Team Meeting
Thursday, January 3, 2002
Time: 1-3:00 p.m.
Conf. Room: DI-186

Agenda

1. Team Roster Update (PTSE/BESE, etc.)
2. Re-write of Issue One Pager root cause (per Dan Kapp)
3. Pick "best of best" comparator for (5) high R/1000 vehicles
4. Kavlico return parts testing.....Mary/Mahmoud
5. Focus Warranty data/graphs review.....Mark Freeland
6. Discussion: Establish common cause (non-sensor) contributors for Kavlico and Motorola from AWS and CQIS
7. Set assignments/open issues priority and establish as items on agenda
8. Generic meeting agenda format discussion
9. Walk-ins / Additional Issues

Kavlico TM dPFE Sensor
14D Core Team Meeting
Tuesday, December 18, 2001
Time: 1-3:00 p.m.
Conf. Room: POBE, CF087

Attendees: Mary Akins, Mahmoud Awad, Mark Freeland, Freeman Gates, Chris Panaretos, Paul Plante, Carol Verner

Meeting Minutes

1. **Finalize Technical Interfaces with Kavlico - Mary Akins:** Tie in Don Ayers on Tuesday's and Thursday's. He is aware of the workload and coordination efforts. Can he drop DCX? Mark asked, Mary to find out. Agenda for 1st Thursday back: same item.
2. **Review Warranty / Stack Chart, Mahmoud Awad:** Another trend. Focus (Zetec); more serious problem, more than Escape. Taurus consistent bet. June/July. F150 also reviewed. Escape 3.0L and Focus Zetec seeing trend: Phase lag - goes directly to vehicle plant for install. Others go to Engine plant. Same part. Mark needs interpretation of data for July, compare to March/April. Mary will communicate to Don Ayers. Production problems in that timeframe. Need by 1/3 meeting. Kavlico should look at returned parts over shutdown, to get to root cause. They need access to AWS to look up vehicle info. Mary will see if they can travel here the week of 1/3. Mark will show them what needs to be done. Paul will contact Gary Balint to give access to AWS or assign person to work with Kavlico. Pick sampling of 5 platforms, rather than go through all vehicle parts - Paul's suggestion to help Kavlico. Then, can get help from FSCD, Warranty Analysts (rather than get access to AWS). Mark would prefer to educate them on the sensor. 700 parts for Focus. Mary needs number of statistical repairs (50-100 per application). Then, decide when we want the parts. Can isolate 5 platforms, total parts, by mop, to do over Christmas. Mary at least needs access to AWS for analysis. Freeman will see Karen Kerezi to help Mary. Comparison and judgments need to be done. Karen needs to pull data, Mary needs to make analysis and comparison. Report of problem needs to be stapled with the part and sent to Kavlico. Mahmoud figured minimum number to analyze (5 platforms x30). Paul's suggestion: Mahmoud should pick the m.o.p.'s applicable (minimum number that can give information), then assignment should go to Mary and Karen. Kavlico should take all the parts they have (by months of production) over Christmas to analyze. Mark asked, is MIS not included? If not, it should be. AWS is vehicle. Need m.o.p on sensor. Request to Karen's supervisor and cc: Jim O'Neall for her to be assigned to this. Freeman will meet with Jim on 12/19 to discuss. Kavlico can analyze over the holiday, this does not need to be done by then. But, we do need the answer of help by Friday. Mary needs to send a report every time she sends sensors. Carol, Mary, Cathy Bansek to look into AWS data mining. Pull Vin, vehicle build history, technicians comments, if relevant, print. Who at Kavlico will make technical decision on these parts? Put on agenda for next meeting. **Outcome is changes to sensor, wiring, PCM - What is Root Cause (#2 of 14D).** Pareto data based on total parts of m.o.p. at Kavlico. Statistical analysis needs to be done. Mahmoud and company

to review. Freeman added we have to get a representative part that is clean, with mileage, that did not fail. Freeman to work up a proposal. Add all to open issues.

3. Review Open Issues and Action Items: Did not have time to review in meeting, but asked that everyone review and give Chris Panaretos updates.
4. Walk-ins / Additional Issues:

Meeting with Dan Kapp, 12/17/01: Freeman gave overview:

- Education (Jim Auiler, F. Psadni, Dan Kapp attended – C.E. level)
- Warranty Issues were discussed: Troy Fisher – reports to John Caruago (DPFE Sensor by project)
- PCM and Wiring issues; general opinion was sensor needs to be more robust.
- Meeting will continue on Wednesday at 10:00 (AA140)
- Concentrate on 1-pager, 14D, Mahmoud's findings, and PTSE assignments at next meeting (concern of Paul's)
- Carol will take and distribute open issues to meeting on 12/19 (filter out by Wiring Harness issues: PTSE and EESE). Paul will discuss responsibilities with them.
- Freeman concerned with wiring: trying to get data on 25 pc. Sample of harness to look at variation in production. Put request through systems engineering (4.6L); trying to do the same for Lear. Look at Root Cause investigation. Also need for ESM launch.
- Schedule Bob Dalbo on agenda in January (Paul will find out when available and detail he will bring).

Preliminary Agenda for 1/3: Will be held in War Room, DI186 (FMEI department).

1. Technical interfaces from Kavlico.... Don Ayers (audio)
2. Kavlico review of returned parts.....Mary Akins
3. Tie AWS data to Kavlico parts (continue discussion from 12/18).....All
4. Walk-ins / Additional issues

Freeland, Mark (M.)

From: Williams, Les (LHW.)
Sent: Wednesday, November 14, 2001 9:18 AM
To: Freeland, Mark (M.)
Subject: RE: 10/18/2001 repair on 1FMYU04121KC21319, 3.0L Escape built 6/15/2001

Hello Mark

My name is Les Williams and I have a few DPFE sensors taken from vehicles experiencing stalls. Would you like to take a look at these? Let me know.

Thx,
Les

PS I spoke with Ted Jensen the other day as well concerning IACs.

-----Original Message-----

From: Myers, Dan (D.P.)
Sent: Tuesday, November 13, 2001 5:25 PM
To: Freeland, Mark (M.)
Cc: Owens, Karen (K.E.); Jensen, Ted (T.E.); Williams, Les (LHW.)
Subject: RE: 10/18/2001 repair on 1FMYU04121KC21319, 3.0L Escape built 6/15/2001

Mark,

All of the parts removed from the Escape stalls while driving issue are forwarded back to Les Williams at the TEE building. I just mailed two sets of parts back to Les but I will look around to make sure none have slipped through the cracks.

The parts are replaced as part of the stalls while driving checklist and are not necessarily failed parts.

Dan Myers

Field Quality Engineer - Iowa
Enhanced Concern Identification

dmyers4@ford.com

Call 563-505-9002
Office 563-288-9991
Fax 563-288-1364

-----Original Message-----

From: Freeland, Mark (M.)
Sent: Tuesday, November 13, 2001 2:44 PM
To: Myers, Dan (D.P.)
Cc: Owens, Karen (K.E.); Jensen, Ted (T.E.)
Subject: 10/18/2001 repair on 1FMYU04121KC21319, 3.0L Escape built 6/15/2001

Dan,

I understand you were involved in the repair of the subject vehicle, where the customer concern was "TRUCK DIES INTERMITTEN.....".

I am the 6 Sigma BB candidate working on the EGR dPFE sensor which is used on that vehicle. I understand that the dPFE sensor was replaced along with the IAC valve.

There is a known failure mode for the dPFE sensor/Powertrain Control system which will result in the engine

quitting. As such I am very interested in discussing this particular case with you and obtaining the dPFE sensor which was removed from the vehicle. Do you know the whereabouts of the sensor?

Regards

Mark Freeland

6-Sigma Black Belt Candidate
Physica Department
Ford Research Laboratory
P.O. Box 2053
MD 3028 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreel1@ford.com
Tel: (313) 594-7645

Popoff, Daniel (D.M.)

Subject: DPFE
Location: VPC Conference Room C

Start: Wed 11/14/01 10:30 AM
End: Wed 11/14/01 11:30 AM

Recurrence: (none)

Meeting Status: Meeting organizer

Required Attendees: DPFE1
Optional Attendees: Kunde, Olaf (O.); King, Ian (I.); Dhaliwal, Dave (B.S.); Rozema, Thomas (T.M.); Owens, Karen (K.E.)

Call In: 1-866-215-5159
Ford Net: 854-1172
International: 1-847-407-6871
Passcode: 7228349

Agenda:

Root Cause Investigation

Buyback Vehicle Status - Matt Montini to follow up on acquiring customer vehicle in Virginia.

Status of Bldg. 5 Pool Vehicle (2000 model year with Motorola Sensor and multiple no starts) - Ken Thomas to follow up.

Release of Dash Mounted Design

Discuss System FMEA, DV Testing and Sign off Procedure - Mary Owens, Brad Zigler

Determine if there are any differences in 2000 SPI Dash Mounted vs. 2000 Zetec warranty - Mike Giordano

Curt Swick to provide history of what ES Testing has been completed.

Service Release of tube Mounted Design

Review updates to workplan to release tube mounted design for service. Do we have a robust service action? Should a study be conducted to determine what is required to release dash mounted for service? Karen Owens

Popoff, Daniel (D.M.)

Subject: DPFE
Location: VPC - Conference Room B

Start: Fri 11/9/01 10:00 AM
End: Fri 11/9/01 11:00 AM

Recurrence: (none)

Meeting Status: Meeting organizer

Required Attendees: DPFE1
Optional Attendees: Rozama, Thomas (T.M.); Mortini, Matthew (M.J.); Kunde, Otaf (O.); Zigler, Brad (B.T.); Owans, Karen (K.E.); Swick, Curt (C.); King, Ian (I.); Whitworth, Rudy (A.R.)

Call In: 1-888-215-5159
Ford Net: 954-1172
International: 1-847-407-8971
Passcode: 7229849

Agenda:

Root Cause Investigation

Buyback Vehicle Status - Matt Mortini to follow up on acquiring customer vehicle in Virginia.

Status of Investigation on New York Buyback vehicle and Southeastern Michigan Ford Employee vehicle search. - Mark Freland

Release of Dash Mounted Design

Review results of meeting scheduled week of 10/22 to discuss DV Testing, System FMEA and DPFE sign off procedure. - Brad Zigler

Determine if there are any differences in 2000 SPI Dash Mounted vs. 2000 Zetec warranty. - Mike Giordano

Curt Swick to provide history of what ES Testing has been completed on current design.

Service Release of Tube Mounted Design

Mike Giordano to follow up with Wayne (T. Parch) to determine if CCRG action is in process.

Does Kavico have the capacity to replace all parts in the field? - Carol Verner

Review updates to workplan to release tube mounted design for service. How will corrosion issue be handled? Do we believe we have a robust service action? When will service action be available? If not, should a study be conducted to determine what is required to release dash mounted for service? Karen Owens

Other

Plan to resource to Motorola Dash Mount - Q1298170 written to request release for Focus Job#1 2003.

C11293170

Popoff, Daniel (D.M.)

From: Zigler, Brad (B.T.)
Sent: Tuesday, November 08, 2001 10:57 AM
To: Popoff, Daniel (D.M.)
Subject: Declined: DPFE

Dan, I will be on vacation Friday.

Regarding this assignment...

Review results of meeting scheduled week of 10/22 to discuss DV Testing, System FMEA and DPFE sign off procedure. - Brad Zigler

I held a meeting to discuss System FMEA and DVP&R. We didn't discuss the sign-off procedure. Unfortunately, only Mary Akins and Mark Freeland attended my meeting. We really needed someone from PTAE and OBD-II to hold this type of working level meeting. Mary, Mark, and I covered some ground on the FMEA, but this needs to be a major effort from Powertrain Systems to cover the DPFE Subsystem. We can discuss in more detail later.

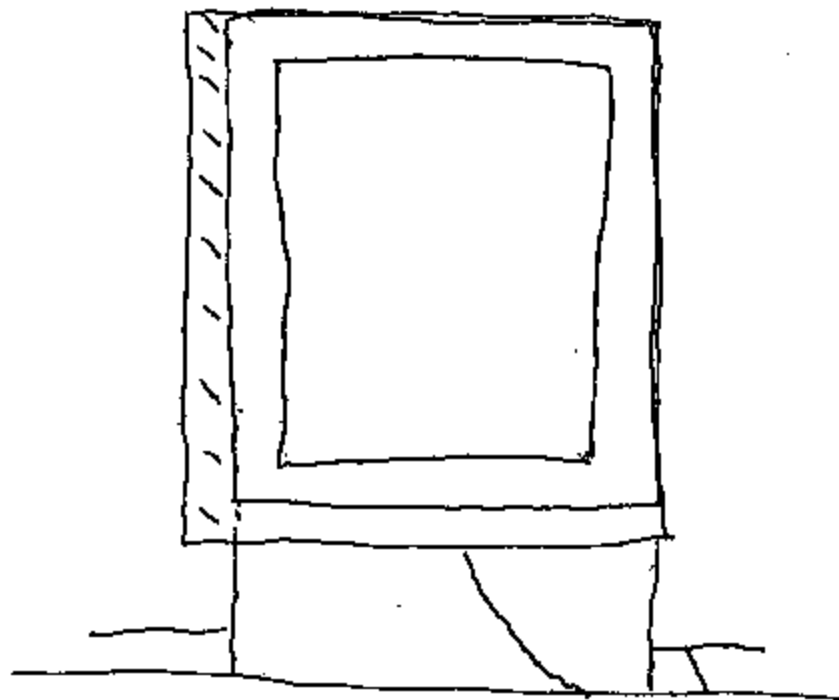
Kaylico TM dPFE Sensor
14D Core Team Meeting
Tuesday, December 18, 2001
Time: 1-3:00 p.m.
Conf. Room: POEB, CF087

Agenda

1. Finalize Technical Interfaces with Kaylico.....Mary Akins
2. Review Warranty / Stack Chart.....Mahmoud Awad
3. Review Open Issues and Action Items.....All
4. Walk-ins / Additional Issues..... All

Data from NY Buy lead

Don Ayres.



Gasoline additives issue goes to Washington

Growing concerns about gasoline deposit-control additives will be addressed by the Environmental Protection Agency, *Ward's* learned. A response now is being developed under the direction of Robin Monan, Center Director, EPA Assessment and Standards Div., Ann Arbor, MI, and David Kortms in the EPA's Washington office.

Following *WETVU's* initial story regarding the issue (see *WETVU* — April 15, '02, p.2), various interests, including the AAA Motor Club office in St. Louis, MO, have voiced concern. Mike Right, AAA Missouri vice president, says in an email to the EPA that AAA Missouri's automotive technicians have noticed an increasing number of vehicles that are experiencing fuel-related problems such as increases in carbon deposits in EGR (exhaust gas recirculation) passages and on intake valves and in fuel injectors.

"What, if anything, can be done to insure that consumers are getting the appropriate quality fuel for their vehicles at the pump?" he asks in his message.

An engineer at a major OE supplier of engine components tells *Ward's* there is no question about the growth in problems he believes may be related to the gasoline additive shortfall situation. This could explain the increasing incidences of stinking EGR valves, as well as other problems, he adds.

James Halderman, professor of automotive technology at Sinclair Community College in Dayton, OH, and author of numerous

FUEL/EMISSIONS

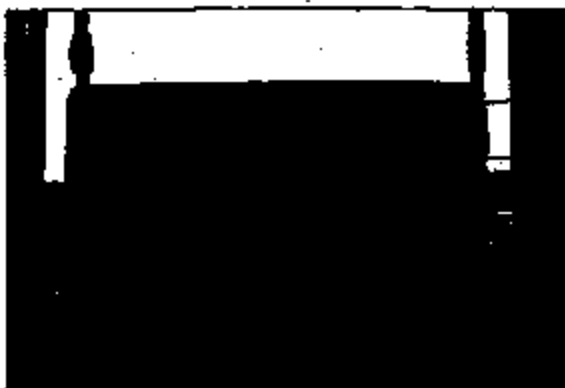
Some gasoline refiners advertise that certain grades of gasoline contain additives that can control deposits or even clean engines with existing deposits.

auto-repair books, says, combustion chamber deposits can increase EGR passage clogging.

"But if suitable additives are in the fuel, they will prevent the carbon particles from adhering to each other, which will prevent this clogging," he says. "Carbon attracts carbon, but a good dispersant additive such as Technon (polyetheramine) prevents this from occurring and helps separate carbon particles that have combined."

The importance of this is illustrated by vehicle onboard diagnostic (OBD) emissions-test failures data reported by the State of Wisconsin for a period in 2001. The state's data show that after oxygen-sensor and misfire faults, EGR is the next most frequently recorded fault.

In an effort to move analysis of the problem and its solution forward, both auto maker trade associations, the Alliance of Automobile Manufacturers and the Assn. of International Auto Manufacturers, say they are seeking to arrange member meetings with the EPA on the issue and plan to monitor developments.



It has yet to be determined how much time the EPA staff will need to complete its fact-finding and prepare a formal response, or whether the EPA will call for the use of "cleanup" additive dosages in all grades of gasoline to offset the consequences of reported widespread underuse of additives and underuse of additives that do not contribute to combustion chamber deposits.

The American Petroleum Institute won't comment on the controversy, saying that the selection and dosage of gasoline additives for each brand and grade of fuel is decided by its member oil companies.

BP/Amoco, for one, says all grades of Amoco, BP and Arco gasoline contain full deposit-control additives that do not contribute to combustion chamber deposits — and that its Amoco Ultimate has sufficient additive to clean injectors and intake valves. □

— Bob Brooks

ENTIRE PAGE
CONFIDENTIAL

DC may develop truck as next fuel-cell vehicle

CONTINUED FROM PAGE ONE

methanol, which was not readily available at all stops, so drop-alignments were made to some points. The FCV was refueled every 300 miles (483 km) and averaged a gasoline equivalent of 40 mpg (5.9L/100 km) for the journey. Methanex supplied the methanol.

The auto maker has tested a series of FCV concepts in its NECAR (for New Electric Car) program that dates back to 1994.

NECAR 2 used compressed hydrogen, NECAR 3 showed it was possible to reform methanol, NECAR 4 used liquid hydrogen and NECAR 4A switched back to compressed hydrogen. NECAR 5 and the Jeep Commander 2 concepts convert methanol onboard.

Before the merger, the former Chrysler Corp. looked into onboard reforming of gasoline. Asked about the use of a gasoline reformer by General Motors Corp. and Toyota Motor Corp. today, Panik says he is pessimistic about that fuel. Although a gasoline supply infrastructure exists, the low-sulfur gasoline needed to supply hydrogen to fuel cells is not yet available, he says.

Panik, who also is outgoing chairman of *WARD'S* Engine and Vehicle Technology Update

the CFCP, says NECAR 5 is the last fuel cell concept car DC will make. The next generation will be production cars leased to customers. They will be heavily subsidized because the low-volume vehicles would otherwise be prohibitively expensive.

Distribution of the second-generation FCVs will be limited, and lease rates also will be heavily subsidized.

But Panik says there will be no subsidies for the production vehicles sold to all corners in 2010. "The volumes are too large to subsidize."

FCVs haven't yet demonstrated the durability of internal-combustion (IC)-powered vehicles, admits Panik. Fuel cells for buses currently have a life expectancy of only 50,000 miles (80,465 km), which is not competitive with diesel engines. His target is to double life expectancy of fuel cells by 2007.

Although NECAR 5 achieved solid results, the tiny A-Class already is a high-mileage car. The gasoline-engine model gets 34 mpg (6.9L/100 km) while the diesel achieves 51 mpg (4.6L/100 km), which is far more efficient than the numbers NECAR 5 posted on its coast-to-coast trip.

Panik says he had a deadline for locking

in the design of the NECAR 5, and had the decision been made later, he might have selected a larger, less fuel-efficient vehicle such as an SUV or pickup for the fuel cell concept vehicle. He concedes the choice of a subcompact A-Class does not show the full advantages of fuel cell operation.

Despite the relatively low fuel economy of the NECAR 5, Panik notes that even with methanol the car is a "very green" performer. He says there are no particulates, nitrogen oxide or carbon dioxide emissions. Carbon monoxide emissions are less than half those from an IC engine. That gives fuel cells a great environmental advantage over IC engines.

He also notes fuel cells are almost twice as efficient, attaining an efficiency of about 46% vs. 26% for an IC engine.

Wolfgang Weiss, the team leader based at the CFCP headquarters in Sacramento, CA, says the fuel cell system held up perfectly. Two belts, four fuel filters and a plastic water bottle had to be changed. Otherwise, a trailer filled with spare parts that followed the NECAR 5 went unused. □

— Herb Shuldiner

Jensen, Ted (T.E.)

From: Carl.Slindee@hap.com
Sent: Monday, July 29, 2002 1:40
To: Grimes, Jeff (J.R.)
Cc: greg.cotton@hap.com; tjensen2@ford.com
Subject: RE: Pinned Pintle ISC Valve for Current Production Mazda

Jeff,

Greg Cotton (production planner) has updated the latest status as follows:

The [redacted] is currently scheduled to [redacted]

Hitachi is contractually obligated to set a minimum lead time of 6 weeks with the diaphragm supplier after receiving official releases from Ford. This also complies with ISO 9000 requirements. For faster implementation, there is the option of paying for deadstock if someone has a budget.

1L8E-AA
AUG 21
to Cleveland

Thank you, Carl Slindee
carl.slindee@hap.com

"Grimes, Jeff

(J.R.)"

"'Carl.Slindee@hap.com'" <Carl.Slindee@hap.com>
<jgrimes1@ford

To:

cc:

.com>

Subject: RE: Pinned Pintle

ISC Valve for Current Production Mazda

07/26/2002

08:08 AM

Carl, help me understand the 6 week lead time...You have already PPAP'd...I realize we held it up for a while...But you've known it was coming...

A workplan (nothing formal) that identifies opportunities for improvement would be great!

Jeff Grimes
Outfitter's Liaison
Duratec Engine Programs
Ph: 313-322-5237
e-mail: jgrimes1@ford.com

-----Original Message-----

From: Carl.Slindee@hap.com [mailto:Carl.Slindee@hap.com]
Sent: Thursday, July 25, 2002 1:29 PM
To: Schuman, Howard (H.G.)
Cc: Hale, Tony (A.S.); Arnold, James (J.A.); Chick, John (J.);
Grimes, Jeff (J.R.); Marynowski, Jan (J.M.); Yeung, Lem (.); Wettach,
Bill
(B.)
Subject: Re: Finned Pintle ISC Valve for Current Production Mazda

Howard,

Thank you for the good news of approving the more robust design.

I will order the 6 pcs mean flow 1L8E-AA free of charge and should be able to meet August end.

Thank you, Carl

"Schuman,

Howard (H.G.)" To: "Carl Slindee (E-mail)"
<Carl.Slindee@hap.com>, "Chick, John (J.)"
<hschuman@ford.com> <jchick1@ford.com>
<wwettach@ford.com>, "Grimes, Jeff (J.R.)"
cc: "Wettach, Bill (B.)"
<jgrimes1@ford.com>, "Yeung,
Lem
(.)" <lyeung@ford.com>, "Hale, Tony
07/25/2002 (A.S.)" <ahale7@ford.com>,
"Arnold, James (J.A.)" <jarnold3@ford.com>,
08:41 AM "Marynowski, Jan (J.M.)"
<jmarynow@ford.com>
Subject: Finned Pintle ISC
Valve for Current Production Mazda

Carl & John,
Mazda has approved the finned pintle ISC valve (1L8E-9F715-AA) for the J16L program. I will add this information to concern C11375066.

Mazda would like to have mean flow ISC valves for their next prototype engine build. This means I need 6 nominal flow parts by the end of August.

Can you meet that timing? I'll write th- me if you can supply a
delivery
date and cost. Thanks, .

Howard Schuman
MPV Duratec Engine Systems
Phone (313) 594-6662
Fax (313) 594-7323

Wettach, Bill (B.)

From: Schuman, Howard (H.G.)
Sent: Thursday, July 25, 2002 8:42 AM
To: Carl Slindee (E-mail); Chick, John (J.)
Cc: Wettach, Bill (B.); Grimes, Jeff (J.R.); Yeung, Lem (L.); Hale, Tony (A.S.); Arnold, James (J.A.); Marynowski, Jan (J.M.)
Subject: Finned Pintle ISC Valve for Current Production Mazda

Carl & John,

Mazda has approved the finned pintle ISC valve (1L8E-9F715-AA) for the J18L program. I will add this information to concern C11375066.

Mazda would like to have mean flow ISC valves for their next prototype engine build. This means I need 6 nominal flow parts by the end of August. Can you meet that timing? I'll write the RPS if you can supply a delivery date and cost. Thanks,

Howard Schuman
MPV Duratec Engine Systems
Phone (313) 594-6682
Fax (313) 594-7323

Wettach, Bill (B.)

From: Grimes, Jeff (J.R.)
Sent: Thursday, July 25, 2002 8:06 AM
To: Wettach, Bill (B.)
Cc: Marynowski, Jan (J.M.); Arnold, Ja.
Subject: 1L8E-9F715-AA

Bill, I have official Word from Mazda that we are OK to proceed with the new IAC valve. Please have Hitachi proceed immediately for incorporation...

We would also like to understand why 8 weeks is necessary, and what can be done to pull it ahead. EVERYONE feels this is excessive for a PPAP'd component.

Thank

Jeff Grimes
Outfitter's Liaison
Duratec Engine Programs
Ph: 313-322-5237
e-mail: jgrimes1@ford.com

Jensen, Ted (T.E.)

From: Grimes, Jeff (J.R.)
Sent: Tuesday, October 01, 2002
To: Jensen, Ted (T.E.); Four
Cc: Corbett, Sandra (S.M.)
Subject: RE: Order status at Hitachi

I am investigating authorization to scrap all "old" service parts, if there is not another application...I have questions regarding quantities.

Will the program (FCSD, or U204) be willing to pick up the tab?

Jeff Grimes

OPD & Value Engineering
Duratec Engine Programs, U204
Ford Motor Company
ph: (313) 322-5237 fax: (313) 594-7323
e-mail: jgrimes1@ford.com

-----Original Message-----

From: Jensen, Ted (T.E.)
Sent: Friday, September 27, 2002 3:18 PM
To: Fournelle, Gilbert (G.)
Cc: Grimes, Jeff (J.R.)
Subject: Order status at Hitachi

Gilbert,

I just spoke with the Hitachi (Ford salesman) rep. He informs me that the order status at this time for FPSD is 3700 (1L8Z-9F715-AA) parts to be shipped November 8th and another 1000 the following week. Hitachi does have the six week to delivery clause in the contract with Ford. This November delivery date is about at that point.

This means that the TSB is caught in a Catch-22. The parts will not be available for six weeks and the TSB will not be released until then. I have no idea how long it takes FPSD to process parts for distribution. It will delay the release some additional time. It looks like the TSB will not be issued until mid November as it stands at the moment.

FPSD purchased a very large number of the old style valves from Hitachi a short time ago. That shortened the time for introduction of the new style valve at CEP2. It is possible that FPSD desires to deplete their old style valve stock before starting with the new style. A large fraction of the customers that have repairs done with the old style valve will return for another warranty repair. Bob may want to pass the word up.

Do we have any idea what will happen to the stock of old style valves on dealer shelves or at FPSD when the new style valve is available?

I will check again at the end of next week with Hitachi to ascertain the status of the FPSD order.

Ted

14 Feb 02

RANGER

74063

~~47063~~

x48950

Gilbert → Joe Whitehead (JWHITEH4)

CALLED 15 Feb 02 - message

Kristin Greenwald as an additional contact.

58979 POEE

Freeland, Mark (M.)

From: Freeland, Mark (M.)
Sent: Thursday, May 09, 2002 4:08 P
To: Myers, Dan (D.P.)
Cc: Gates, Freeman (F.C.)
Subject: RE: RO# 126443

Thanks Dan.

I am going to drive this returned dPFE (Log number SRL642) from this car on a customer buy back Focus tonight. The sensor is unusual in that it is currently working on the bench and is within spec. I really believe that it was not working when it was on the customer's vehicle as the drivability symptoms and PCM codes were consistent with the sensor being failed for two consecutive drive cycles.

Regards

Mark Freeland

6-Sigma Black Belt
Engine Research Department
Ford Research Laboratory
P.O. Box 2053
MD 2629 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreela1@ford.com
Tel.: (313) 594-7645

-----Original Message-----

From: Myers, Dan (D.P.)
Sent: Wednesday, May 08, 2002 9:13 PM
To: Freeland, Mark (M.)
Subject: RO# 126443

Mark,

The VIN for the requested RO is: **1FAPP383X1W140177**
It is a 2001 Focus 2.0L Zetec DOHC.

I am sorry if it was copied wrong on the tag.

Thanks,

Dan Myers

Field Quality Engineer - Iowa
Enhanced Concern Identification

dmvers4@ford.com

Cell 563-505-9002
Office 563-289-8991
Fax 563-289-1364

Freeland, Mark (M.)

From: Freeland, Mark (M.)
Sent: Monday, May 13, 2002 6:37 PM
To: Williamson, Richard (E.)
Cc: Maurer, James (J.B.); Gates, Freeman (F.C.); Planté, Paul (P.G.); Akins, Mary (M.)
Subject: Vin Numbers from RO numbers

Rick,

There are two additional parts from the group which you supplied without VIN numbers which we are planning to send to an outside lab for analysis. It is very important to us to get the vehicle history associated with both of these parts.

Could you please make every effort to identify the VIN numbers from the RO numbers given below.

SRL ID No: SRL547 RO: 87591
SRL ID No: SRL614 RO: 3615309

SRL614 is particularly important as it is one of the improved parts which was manufactured after 1/7/2002. It may be from a second repair, from a low mileage failure on a new vehicle or from a pre delivery failure. It exhibits one of the symptoms of a high current draw.

Thanks for your assistance.

Regards

Mark Freeland

6-Sigma Black Belt
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P.O. Box 2053
MD 2629 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreela1@ford.com
Tel.: (313) 594-7645

Freeland, Mark (M.)

From: Freeland, Mark (M.)
Sent: Wednesday, May 15, 2002 8:21 AM
To: Williamson, Richard (E.); Pomá, Amy (A.)
Cc: Aklns, Mary (M.); Janda, Jon (J.M.); Akolkar, Shrikant (S.V.); Verner, Carol (C.J.); Maurer, James (J.B.); Pianta, Paul (P.G.); Gates, Freeman (F.C.); Danes, Adam (A.V.)
Subject: RE: Vin Numbers from RO numbers

Rick,

Thank you for trying, I knew it was a long shot.

Please bring over the parts you have in hand, but after this batch it is time to turn off the cold faucet, but we still need to leave the hot one running! By that I mean, can we change the request for parts from the FEQs to be only parts with a date code of 2A07B (1/7/2002) or more recent. That was the date when the part with the improved transient voltage protection was first shipped from Kavlico.

Team,

I would propose that Carol, Jon and Shri would measure/inspect any parts we receive with the post 2A07B date code. Can you discuss this at Thursday's meeting. I will not be able to attend due to a conflict with my MBB.

Amy,

Could you add this to the agenda for Thursday.

Thanks

Regards

Mark Freeland

6-Sigma Black Belt
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MD 2629 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreela1@ford.com
Tel.: (313) 594-7645

-----Original Message-----

From: Williamson, Richard (E.)
Sent: Wednesday, May 15, 2002 7:03 AM
To: Freeland, Mark (M.)
Subject: RE: Vin Numbers from RO numbers

Mark,

I am sorry - we have tried everything to come up with those two RO numbers with no success. There are two possibilities:

- 1 - The RO's are not yet in the AWS system (too new)
- 2 - These were "cash" jobs and no AWS or PEARS reports exist.

I have instructed the FQE's that we cannot accept any more parts of any type without documentation. This is of little consequence to you now, but it is the best that I can do.

I have about 60 more dPFE sensor's (ALL with VIN's or documentation) that I will drop off at your desk this morning.

Regards,

RICK WILLIAMSON

Product Concern Analyst-Powertrain

Enhanced Concern Identification

313-248-6348

rwill110@ford.com

-----Original Message-----

From: Freeland, Mark (M.)
Sent: Monday, May 13, 2002 6:37 PM
To: Williamson, Richard (E.)
Cc: Maurer, James (J.B.); Gates, Freeman (F.C.); Plante, Paul (P.G.); Akins, Mary (M.)
Subject: Vin Numbers from RO numbers

Rick,

There are two additional parts from the group which you supplied without VIN numbers which we are planning to send to an outside lab for analysis. It is very important to us to get the vehicle history associated with both of these parts.

Could you please make every effort to identify the VIN numbers from the RO numbers given below.

SRL ID No: SRL547 RO: 87591
SRL ID No: SRL614 RO: 3615309

SRL614 is particularly important as it is one of the improved parts which was manufactured after 1/7/2002. It may be from a second repair, from a low mileage failure on a new vehicle or from a pre delivery failure. It exhibits one of the symptoms of a high current draw.

Thanks for your assistance.

Regards

Mark Freeland

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MD 2629 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreel1@ford.com
Tel.: (313) 594-7645

Freeland, Mark (M.)

From: Williamson, Richard (E.)
Sent: Monday, May 06, 2002 6:38 AM
To: Freeland, Mark (M.)
Subject: RE: VIN numbers from RO numbers.

I talked to the other analysts - no one at ECI has any knowledge of this occurrence

—Original Message—

From: Freeland, Mark (M.)
Sent: Friday, May 03, 2002 11:20 AM
To: Williamson, Richard (E.)
Subject: RE: VIN numbers from RO numbers.

Thanks for the update, I do appreciate you're efforts.

I just got a new clue! Do you know anything about shorts between 12 V & 5 Vref caused by a connector to the break switch? Report came from Mazda on a Tribute in Canada.

Thanks

Regards

Mark Freeland

↳Sigma Black Belt
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Dearborn, MI 48121-2053 USA
email: mfreela1@ford.com
Tel.: (313) 594-7645

—Original Message—

From: Williamson, Richard (E.)
Sent: Friday, May 03, 2002 10:04 AM
To: Freeland, Mark (M.)
Cc: Storms, Michael (M.); Bissi, Gerry (G.)
Subject: RE: VIN numbers from RO numbers.
Importance: High

Hi Mark,

I have not been able to find either of those two hot VINS you need, even after several hours of looking. Michael Storms has an idea that he will try on Monday (AWS is down today). Hang in there - we should have an answer for you then!

Regards,

RICK WILLIAMSON
Product Concern Analyst-Powertrain
Enhanced Concern Identification
313-248-6348
will110@ford.com

-----Original Message-----

From: Freeland, Mark (M.)
Sent: Wednesday, May 01, 2002 2:51 PM
To: Williamson, Richard (E.)
Subject: RE: VIN numbers from RO numbers.

I thanks Rick, but it's the specific test results from this part, not just the date that makes it so important.

Also, from this mornings tests there is another SUPER HOT one. Even hotter than the first, as it was built after the V Transient Improvements went into production. The number from the box was 3615309, the sensor's date of manufacture is 1/21/2002. Another golden egg if we can locate the VIN number.

Thanks for all you're help and dead sensors.

Regards

Mark Freeland

6-Sigma Black Belt
Engine Research Department
Ford Research Laboratory
P.O. Box 2053
MD 2629 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreelal@ford.com
Tel.: (313) 594-7645

-----Original Message-----

From: Williamson, Richard (E.)
Sent: Tuesday, April 30, 2002 6:50 AM
To: Freeland, Mark (M.)
Subject: RE: VIN numbers from RO numbers.

Mark,
John Domka is in training all week (he is the guy who promised quick action on the VIN's). I have a bunch more DPFE's - can I find a similar date for you or do you want me to bring them over??
I will still try and find a way to get the VIN's
Rick

-----Original Message-----

From: Freeland, Mark (M.)
Sent: Monday, April 29, 2002 6:15 PM
To: Williamson, Richard (E.)
Subject: VIN numbers from RO numbers.

Rick,

What is the best way for us to handle getting VINs for the specific parts of interest in the ones you sent? Should I ship you a excel workbook with the RO numbers and have you send it back with the VIN's filled in?

There is one that I am in a hurry to get, that is for RO number 85581

Can you get you're person find me the VIN for this one ASAP.

Thanks

Regards

Mark Freeland

6-Sigma Black Belt
Engine Research Department
Ford Research Laboratory
P.O. Box 2053
MD 2629 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreelal@ford.com
Tel.: (313) 594-7645

Freeland, Mark (M.)

From: Plante, Paul (P.G.)
Sent: Tuesday, May 07, 2002 12:44 PM
To: Freeland, Mark (M.); Gates, Freeman (F.C.); Rossi, Roberto (R.A.); Maurer, James (J.B.); Plante, Paul (P.G.)
Subject: RE: 02S33B

There are basic core tools defining how this sensor should be designed and the potential detrimental interfaces from wiring harness, PCM etc. These tools include ES, Design Guide, SDS etc.

Questions:

- 1) How do we establish which issues affect the sensor, and we need to work on?
- 2) Who should do the work.

Mark can not single handed look at all electrical failures and establish affect on sensor thru testing or theoretical analysis. We need to concentrate our efforts, prioritize our work, and distribute work to the responsible people.

I intend on discussing briefly at 14D team meeting.

---Original Message---

From: Freeland, Mark (M.)
Sent: Tuesday, May 07, 2002 12:25 PM
To: Rossi, Roberto (R.A.)
Cc: Plante, Paul (P.G.); Maurer, James (J.B.); Gates, Freeman (F.C.)
Subject: RE: 02S33B

Roberto,

Thanks for the info on the recall.

Could this result in "electrical noise" reaching the dPFE as arc overs are occurring?

Regards

Mark Freeland

6-Sigma Black Belt
Engine Research Department
Ford Research Laboratory
P.O. Box 2053
MD 2629 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreela1@ford.com
Tel.: (313) 594-7645

---Original Message---

From: Rossi, Roberto (R.A.)
Sent: Tuesday, May 07, 2002 9:05 AM
To: Freeland, Mark (M.); Plante, Paul (P.G.)
Subject: RE: 02S33B

Mark,

I worked on this recall. The issue was the body sealing was not consistently being applied behind the right rear tire on the Windstar. During wet road conditions the tire was spraying water into the vehicle. An unsealed connector is located directly behind the wheel and it has a power and ground circuit next to each other. The

water and salt that would enter the connector could cause a carbon track to form between the pins and melt the connector.

Robert Rossi
Electrical/Electronic Systems Campaign Prevention Specialist
North American Car Lifestyle Vehicles
Phone/Fax: 84-51438

-----Original Message-----

From: Freeland, Mark (M.)
Sent: Monday, May 06, 2002 5:33 PM
To: Plante, Paul (P.G.)
Cc: Rossi, Roberto (R.A.)
Subject: 025338

Paul,

Can you tell me where I can look up the details of this safety recall. It appears to be to do with the sealing of an electrical connector, and thus could be relevant to our issue with the dPFE.

Thanks

Regards

Mark Freeland

6-Sigma Black Belt
Engine Research Department
Ford Research Laboratory
P.O. Box 2053
AD 2629 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreela1@ford.com
Tel.: (313) 594-7645

Freeland, Mark (M.)

From: Plante, Paul (P.G.)
Sent: Monday, May 20, 2002 11:00 AM
To: 'Jahshan, John (J.H.);' Rossi, Roberto (R.A.); Freeland, Mark (M.); Maurer, James (J.B.); Janda, Jon (J.M.)
Cc: Plante, Paul (P.G.)
Subject: RE: Hussein Bina's Focus failed it's DPFE again

Thanks John.

Robert, can we set up a routine test to evaluate all the cars we can such as this one? Can we get an EISE Black Belt on these if you and Sheran can not contain?

Jon Janda, can you add this to Monday discussion please.

-----Original Message-----

From: Jahshan, John (J.H.) [mailto:jjahshan@visteon.com]
Sent: Monday, May 20, 2002 10:30 AM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auiler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoske, Pete (P.F.); Bansek, Catherine (C.K.); Bersuder, Lee (L.C.); Bissi, Gerry (G.); Bronni, Mark (M.J.); Bugaj, Barry; Danes, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Galante, Chris (C.R.); Gates, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hangas, Jon (.); Jahshan, John (J.H.); Janda, Jon (J.M.); Johnson, Joe (J.H.); Kerezi, Karen (K.J.); Koszewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neill, Jim (J.D.); Oswald, Greg (G.G.); Park, Kyong; Pascany, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Poma, Amy (A.); Popoff, Daniel (D.M.); Raquepau, Alden (A.P.); Rossi, Roberto (R.A.); Schlading, Kurt (K.J.); Shore, John (J.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-johnson, Patrice (P.); Williamson, Richard (E.)
Subject: FW: Hussein Bina's Focus failed it's DPFE again

Any interest in this vehicle?

John H. Jahshan
POEE Resident Engineer
PCM Applications
jjahshan@visteon.com
Phone & Fax: (313) 722-1638 or (313) 390-4854
Pager: (313) 795-8068
<http://www.myairmail.com/>
"WHETHER YOU BELIEVE YOU CAN DO SOMETHING OR YOU BELIEVE YOU CAN'T, YOU'RE RIGHT"

-----Original Message-----

From: Matysiewicz, Edwin (E.J.) [mailto:ematysie@ford.com]
Sent: Monday, May 20, 2002 9:58 AM
To: Grant, Kathleen, Kathy (K.A.)
Cc: Perry, Brian (B.J.); Sebold, Lynn (L.A.); 'jjahshan@visteon.com';

Huck, Dave (D.E.); Stump, Steven (S.M.)
Subject: Hussein Bina's Focus failed it's DPFE again

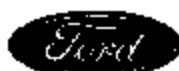
Kathy

I just went out into the parking lot, dumped codes, and got a P401 code on Hussein's 2001 Zetec Focus.

His DPFE is stuck at 0.11 VDC all the time.

This is his second DPFE failure on his car.

Ed



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
 Dates: April 18, 2002
 Time: 1-3:00 p.m.
 Location: POBE, DI-196 (FMEI War Room)
 Called By: Jim Maurer, Team Leader: (313) 39-03672
 Next Meeting (s): April 23, 2002, Core Team Meeting
 April 25, 2002

Conference Call-in: 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Number(s): Kavlico Fax: 805-531-6574

Core Team Participants

Black Belts	Kavlico	Y-Engine	Quality Office	BESB	Purchasing
Mark Freeland	Mary Akins	Jim O'Neall	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-
		Paul Plants		PCSE	Johnson
Team Leader		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 4/18/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Update on Body and Assembly plant failures	I3, A3	Terry Tamashiro	10 minutes
3. Update on Wiring Harness Root Causes / findings	I3, A4	Sheran Alles, Robert Rossi	15 minutes
4. Update on FRL testing / evaluation of UPAD parts	I3, A2	Mark Freeland	15 minutes
5. Investigation of Stalls - Update on Pareto, Parser Report data	I3, A9	Mahmoud Awad, Mary Akins	15 minutes
6. Outside Lab - Non disclosure agreement, work plan, objectives	I5, A5	Kyong Park Jim Maurer	15 minutes
7. Update on analyzing acid tested parts vs. warranty UPAD parts	I5, A6	Freeman Gates	10 minutes
8. Status of Concern to commonize parts	I16, A2	Jon Janda	5 minutes
9. Status of Supplier order for field service parts	I16, A4	Bill McCarty	5 minutes
10. Walk-ins		All	15 minutes
11. Next Meeting Agenda Items		All	10 minutes

<u>Proposed Next Meeting Agenda 4/23/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/tp: 5/28/02
 Kavlico dPFE Sensor Core Team



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: May 28, 2002
Time: 1-2:30 p.m.
Location: POEE, DE-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): May 30, 2002, Core Team Meeting
 Jun 4, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6374

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>EESE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akins	Jim O'Neel	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda	Kyong Park	Chris Panaretos			Patrice White-
		Paul Plante		<u>PCSE</u>	Johnson
<u>Team Leader</u>	<u>Visteon</u>	Carol Verner		Ken Arnold	
Jim Maurer	John Jahshan			Brian Perry	

Meeting Agenda - 5/28/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Update on Analytical Solutions Workplan since May 20 visit.	I5, A5	Kyong Park	10 minutes
2. Updates on Body and Assembly plant failures at Norfolk.	I3, A3	Don Ayers	10 minutes
3. STA weekly update.		Patrice White-Johnson	10 minutes
4. Vehicle testing update/status if differential input to signal needed.	I6, A7	Jim McCoy, Sheran Alles	15 minutes
5. Walkins		All	20 minutes

<u>Proposed Next Meeting Agenda 5/28/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to apoma2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 5/28/02
 Kavlico dPFE Sensor Core Team

Freeland, Mark (M.)

From: Carter, Roscoe (R.O.)
Sent: Monday, May 20, 2002 8:48 AM
To: Freeland, Mark (M.)
Cc: Simko, Steven (S.J.); Hargas, Jon (.)
Subject: What is happening to the Al?

Mark,

I hope you are checking your e-mail . Steve S. and I chatted briefly after we left you and the group on Fri. We have kicked around and looked up a number of possible scenarios for the Al metal in the tracks and where it might have gotten off to. We still do not have story that makes any sense to us even given the chemistry of gel or adhesive break down. (AlBr₃ or AlI₃ would vaporize but not AlF₃.) Volatile compounds with Al are hard to come by and the only residues we see are oxides. Soluble compounds are more abundant but even then we think some form of residual would likely be present and none has been found. We are not comfortable with any feeling I may have left that the Al loss can be explained away with the information at hand. ROC

Freeland, Mark (M.)

From: Park, Kyong [KPark@kavlico.com]
Date: Thursday, May 30, 2002 10:12 AM
To: Maurer, James (J.B.); Gates, Freeman (F.C.); Freeland, Mark (M.); Plante, Paul (P.G.); Poma, Amy (A.); Davies, Brady; Akins, Mary
Cc: Tackman, Bruce; Hubbard, Rick
Subject: FW: Analytical Solutions Work Plan


Red Progress
Report.rtf

For your records, I sent my response to Mr. Michael Strizich of Analytical Solutions for his work plan, which I have distributed already. If any comments, please let me know.
Kyong M. Park

> -----Original Message-----
> From: Park, Kyong
> Sent: Tuesday, May 28, 2002 2:39 PM
> To: 'mstriz@analyticalsol.com'
> Cc: Tackman, Bruce; Davies, Brady
> Subject: FW: Analytical Solutions Work Plan

> Dear Mike,
> As you can see, I distributed your plan to the participants of our regular meeting for their comments.
> Unless we have significant suggestion(s) to revise your work plan during the discussion in our meeting this Thursday,
> I think personally, you devised a fair and an excellent work plan. I am looking forward to receiving an intermediate, or the final report of your findings.
> If anything you need from us to expedite your analysis, please let me know.
> Thank you for the plan.
> Kyong

> -----Original Message-----
> From: Park, Kyong
> Sent: Tuesday, May 28, 2002 2:18 PM
> To: 'Maurer, James (J.B.)'; Gates, Freeman (F.C.); Freeland, Mark (M.); Plante, Paul (P.G.); Poma, Amy (A.); Davies, Brady
> Cc: Tackman, Bruce; Hubbard, Rick
> Subject: Analytical Solutions Work Plan

> To All;
> I have received the work plan from Mr. Michael Strizich of Analytical Solutions, and here I attached the plan below for your review.
> We will discuss your concerns or comments at the next 14D telephone conference if any.
> Truly,
> Kyong

>
> Kyong M. Park, D.Sc.
> Vice President, R&D
> Kavlico, a Solectron Company
> 14501 Los Angeles Avenue
> Moorpark, CA 93021
> Tel.: 805/523-2000; e-Mail: kpark@kavlico.com
>
>
> <<Pwd Progress Report.rtf>>
>
>

Freeland, Mark (M.)

From: Park, Kyong [KPark@kavlico.com]
Sent: Friday, May 31, 2002 11:30 AM
To: jmaurer@ford.com; pplante@ford.com; mfreela1@ford.com; fgates@ford.com; apoma2@ford.com; mawad@ford.com
Subject: RE: Report & Passcode

This mail was returned and was forwarded.

Kyong

-----Original Message-----

From: Park, Kyong
Sent: Friday, May 31, 2002 8:07 AM
To: 'MIKE STRIZICH'
Cc: Akins, Mary; Davies, Brady; Tackman, Bruce; Hubbard, Rick; 'jmMaurer@ford.com'; 'fgGates@ford.com'; 'mfreela1@ford.com'; 'pplante@ford.com'; 'apoma2@ford.com'; 'mawad@ford.com'
Subject: RE: Report & Passcode

Mike,

I thank you for letting us know of the status of your work. Looking forward to receiving your report early next week, and we will be communicating with you soon after.

Yours,
Kyong

-----Original Message-----

From: MIKE STRIZICH [SMTP:mstriz@analyticalsol.com]
Sent: Friday, May 31, 2002 7:42 AM
To: 'Park, Kyong'
Subject: RE: Report & Passcode

Kyong,

Running a little behind, the report will come out early next week.

We are

trying to finish up our latch-up studies, and recreation of the corrosion.

This is taking longer than expected. The web site database is down currently, but the report will be out Mon or Tues.

Regards,
Mike

-----Original Message-----

From: Park, Kyong [mailto:KPark@kavlico.com]
Sent: Friday, May 31, 2002 8:34 AM
To: mstriz@analyticalsol.com
Subject: Report & Passcode

Dear Mike,
Hollo.


I am not rushing you, but I am just wondering whether I should expect to receive any report from you today. Ford people asked about a passcode to your data base, the passcode that you had mentioned about during our visit


to your company.
Please, let me know.
Thank you.

Yong

Freeland, Mark (M.)

From: Hangas, Jon (.)
Sent: Friday, April 05, 2002 12:05 PM
To: Gates, Freeman (F.C.); Maurer, James (J.B.); Plante, Paul (P.G.); Freeland, Mark (M.)
Subject: Hillock articles


microstructure of
thermal hill...


kinetics of hillock
growth.pdf...

Gentlemen,

I put on the global shared drive-Dearbom a zip file containing 24 articles I downloaded from ScienceDirect/Elsevier Publishers on hillocks. It is in the directory Hangas, and is called HillockLiterature.zip, and is 18MB long.

The two attached files are in that zip archive, and are among the most relevant. Other files included discuss ways to minimize hillock growth. Some may be irrelevant for you, but I didn't have time to select more than the two attached here to concentrate on. The others are supplied for you to browse quickly, and delete.

Under the terms the Research Library negotiated with ScienceDirect, we may share these articles and pdf files with any Ford employee. We cannot give them to Kavlico or Motorola, only the reference.

Also included is a text file with other references from ChemAbstract's SciFinder. This includes some references not published by Elsevier.

Regards,
Jon

Freeland, Mark (M.)

From: Tackman, Karen [KTackman@kavlico.com]
Sent: Wednesday, May 15, 2002 2:08 PM
To: Park, Kyong; 'Maurer, James (J.B.)'
Cc: Davies, Brady; 'mfreela1@ford.com'; 'fgates@ford.com'
Subject: RE: Trip to Analytical Solutions in New Mexico, USA

Hotel name correction:

> Kyong Park and Brady Davies will be arriving in Albuquerque on Sunday, May
> 19, 2002. They will be staying at Holiday Inn Express, 10330 Hotel Avenue
> NE, Albuquerque. The phone number is (505) 275-8900. If there is any
> additional information you may need, please let me know.

>
> -----Original Message-----
> From: Park, Kyong
> Sent: Tuesday, May 14, 2002 3:53 PM
> To: Maurer, James (J.B.)
> Cc: Tackman, Karen; Davies, Brady; mfreela1@ford.com;
> fgates@ford.com
> Subject: Trip to Analytical Solutions in New Mexico, USA

>
> Dear Jim,
> Brady and I will be flying out to New Mexico on Sunday, May 19,
> 2002. We are planning to arrive at around 4 PM in local time. We will fly
> back Monday evening.

>
> As soon as I learn our itinerary, we will let you know.
> Yours,
> Kyong
>

Freeland, Mark (M.)

From: Freeland, Mark (M.)
Sent: Wednesday, May 08, 2002 3:51 PM
To: Marrone, Rob (R.B.); Jensen, Ted (T.E.)
Cc: Danes, Adam (A.V.)
Subject: RE: Ideas

Sorry, you are correct I meant a 4.6 L.

Regards

Mark Freeland

6-Sigma Black Belt
Engine Research Department
Ford Research Laboratory
P.O. Box 2053
MD 2629 - SRL - Room 1517
Dearborn, MI 48121-2053 USA
email: mfreela1@ford.com
Tel.: (313) 594-7645

-----Original Message-----

From: Marrone, Rob (R.B.)
Sent: Wednesday, May 08, 2002 3:43 PM
To: Jensen, Ted (T.E.)
Cc: Freeland, Mark (M.); Danes, Adam (A.V.)
Subject: RE: Ideas

Ted, that's an intriguing possibility. A couple of questions --
The Mountaineer does not presently have the 5.4 available. did you mean 4.6?
Wouldn't this lead to repeat claims -- that is, replacing the valve wouldn't solve the customer's stall issue
(yet we see 2 repeat claims for all of '02MY for 4.6 truck)?

It certainly would explain how we can't duplicate the failure on a company car with precisely one key on the
ring ...

We should discuss tomorrow a.m.

Sincerely,

Rob Marrone

Six Sigma Certified Black Belt
4.6L/5.4L Engine Program Engineering
POEE column J-14A, Mall drop 36
313-2488687, Fax 313-3907407, Pgr. 313-851-5713

-----Original Message-----

From: Jensen, Ted (T.E.)
Sent: Wednesday, May 08, 2002 3:35 PM
To: Marrone, Rob (R.B.)
Cc: Freeland, Mark (M.); Danes, Adam (A.V.)
Subject: Ideas

Rob,

It has been suggested that heavy key weight could be causing stalls on a wider range of vehicles than just the Escape. Seems the same key mechanism is used on most Ford vehicles. A recent report is an experience with a 2002 MY 5.4L Mountaineer. 285 grams of key weight, when bounced with the palm of the hand vertically would stall the vehicle. This is a repeatable condition. I have suggested a designed experiment with weight, drop distance, vehicle angle, and steering column set point as variables.

It may be possible for momentary loss of contact from key position to result in a number of customer concerns and could even be linked high current events that damage the DPF sensor.

This would not help understand stalls at 8 miles with only a single vehicle key. I assume that only one key and no extra weight is involved here.

Sorry this was in my outbox. It should have been sent some time ago.

Best Regards,

Ted Jensen

TreScott E. Jensen, Ph.D.
6-Sigma Black Belt
Staff Technical Specialist
Chemical Engineering Department
Ford Research Laboratory

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SRL / MD-317B
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Receiving R. SRL, Room 1317
2101 Village Road
Dearborn, MI 48124

Phone: (313) 322-4588
FAX: (313) 621-0646
E-Mail: jensen2@ford.com



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: **Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor**

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
 Dates: May 7, 2002
 Time: 1-2:30 p.m.
 Location: POBE, D1-196 (FMEI War Room)
 Called By: Jim Maurer, Team Leader: (313) 39-03672
 Next Meeting (s): May 9, 2002, Core Team Meeting
 May 14, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>PESE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akins	Jim O'Neall	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-Johnson
		Paul Plante		<u>PCSE</u>	
<u>Team Leader</u>		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 4/30/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	
2. FRL Update of UPAD-discussion of chemical analysis of gel.	B3, A2	Mark Freeland	15 minutes
3. Update on Body and Assembly plant failures	B3, A3	Don Ayers	10 minutes
4. Sensor Failure Mode	I1, A6	Shri Akolkar	10 minutes
5. Outside Lab / Non disclosure agreement - status	B5, A5	Bill McCarty, Jim Maurer	20 minutes
6. Update on "In Process" acid tested parts.	B5, A6, A8	Jim Maurer, Mark Freeland	15 minutes
7. Update from May 2, Stalls meeting		Paul Plante	15 minutes
8. Walk-ins		All	10 minutes
9. Next Meeting Agenda Items		All	5 minutes

<u>Proposed Next Meeting Agenda 5/2/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/ep: 5/6/02
 Kavlico dPFE Sensor Core Team

EP02-027-D 12464



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: May 7, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): May 9, 2002, Core Team Meeting
 May 14, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-531-6574

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>ERSE</u>	<u>Purchasing</u>
Mark Freeland	Mary Atkins	Jim O'Neill	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-Johnson
		Paul Plante		<u>PCSE</u>	
<u>Team Leader</u>		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 5/7/02

<u>Order of Agenda Items</u>	<u>Cont. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. FRL Update of UPAD	I3, A2	Mark Freeland	15 minutes
3. Update on Body and Assembly plant failures	I3, A3	Don Ayers	10 minutes
4. Sensor Failure Mode	I1, A6	Shri Akolkar	10 minutes
5. Outside Lab / Non disclosure agreement - status	I5, A5	Bill McCarty	5 minutes
6. Update on "In Process" acid tested parts; Discussion of chemical analysis of gel.	I5, A6, A8	Jim Maurer, Mark Freeland	15 minutes
7. Update from May 2, Stalls meeting		Paul Plante	15 minutes
8. Walk-ins		All	10 minutes
9. Next Meeting Agenda Items		All	5 minutes

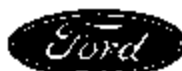
<u>Proposed Next Meeting Agenda 5/9/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 5/7/02
 Kavlico dPFE Sensor Core Team

ENG2-027-D 12474



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kavlico TM dPFE Sensor

Meeting Logistics

Subject: Kavlico TM dPFE Sensor Core Team
Dates: May 9, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): May 14, 2002, Core Team Meeting
 May 16, 2002, Core Team Meeting

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kavlico Fax: 805-331-6574

Core Team Participants

<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>EESE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akins	Jim O'Neall	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-
		Paul Plante		<u>PCSE</u>	Johnson
<u>Team Leader</u>		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 5/09/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Review and discuss proposed Workplan	B, A10	Jim Maurer	30 minutes
3. Update on Body and Assembly plant failures	B, A3	Don Ayers	10 minutes
4. Update on "In Process" acid tested parts.	B, A6	Jim Maurer, Mark Freeland	15 minutes
5. Update from May 2, Stalls meeting		Paul Plante	15 minutes
6. Walk-ins		All	10 minutes
7. Next Meeting Agenda Items		All	5 minutes

<u>Proposed Next Meeting Agenda 5/14/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to apoma2 (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 5/8/02
 Kavlico dPFE Sensor Core Team

May 13, 2002

Monday

May 2002

S	M	T	W	T	F	S
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June 2002

S	M	T	W	T	F	S
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

7 am			
8 00	OCM 6 Sigma Presentation next week		
9 00	<table border="1"> <tr> <td>12 Kavlico dPFE meeting (SRL Conf Room 2243 (10))</td> <td>12 Canceled: Group Meeting (SRL CR 3621)</td> </tr> </table>	12 Kavlico dPFE meeting (SRL Conf Room 2243 (10))	12 Canceled: Group Meeting (SRL CR 3621)
12 Kavlico dPFE meeting (SRL Conf Room 2243 (10))	12 Canceled: Group Meeting (SRL CR 3621)		
10 00	<table border="1"> <tr> <td>12 Kavlico dPFE meeting (SRL Conf Room 2643 (12))</td> <td>12 Selection of dPFEs for the outside lab (SRL Conf Room 2643 (12))</td> </tr> </table>	12 Kavlico dPFE meeting (SRL Conf Room 2643 (12))	12 Selection of dPFEs for the outside lab (SRL Conf Room 2643 (12))
12 Kavlico dPFE meeting (SRL Conf Room 2643 (12))	12 Selection of dPFEs for the outside lab (SRL Conf Room 2643 (12))		
11 00			
12 pm			
1 00	12 DPFE Sensor Vehicle Issues Meeting (POEE, E103A (Pillar L10))		
2 00			
3 00			
4 00			
5 00			
6 00			

TaskPad

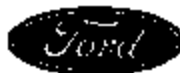
TaskPad

Physics dept. 2/13/2001 meeting -3...

Tall dragger George Andraos (313) 390...

Order Amateur Built Aircraft Reference ...

Notes



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective:	Establish and implement corrective and containment actions for Kavlico TM dPPE Sensor
<u>Meeting Logistics</u>	
Subject:	Kavlico TM dPPE Sensor Core Team
Dates:	April 4, 2002
Time:	1-2:30 p.m.
Location:	POEE, DI-196 (FMEI War Room)
Called By:	Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s):	April 9, 2002, Core Team Meeting April 11, 2002, Core Team Meeting
Conference Call-in Number(s):	9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436# Kavlico Fax: 805-531-6574

<u>Core Team Participants</u>					
<u>Black Belts</u>	<u>Kavlico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>EESE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akins	Jim O'Neal	Mahmoud Awad	Sheran Alles	Chris Nielsen
Shri Akolkar	Don Ayers	Freeman Gates		Robert Rossi	Bill McCarty
Jon Janda		Chris Panaretos			Patrice White-Johnson
		Paul Plante		<u>PCSB</u>	
<u>Team Leader</u>		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

<u>Meeting Agenda - 4/04/02</u>				
<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>	
1. Introductions		All	5 minutes	
2. VOQ data update & EPRC paper		Paul Plante	10 minutes	
3. Results of Analysis of outstanding Plant returns	I3, A3	Terry Tamashiro	10 minutes	
4. Update on Wiring Harness Root Causes / findings	various	Sheran Alles, Robert Rossi	15 minutes	
5. Investigation of Stalls - Status	I3, A9	Jon Janda, Mahmoud Awad	15 minutes	
6. Outside Lab - Non disclosure agreement, work plan, objectives	I5, A5	Kyong Park, Freeman Gates	10 minutes	
7. Results of "in process testing" of current production vs. warranty UPAD parts.	I5, A6	Kyong Park	15 minutes	
8. One pager on MRB wafer usage for production		Freeman Gates	10 minutes	
9. Walk-ins		All	10 minutes	
10. Next Meeting Agenda Items		All	10 minutes	

<u>Proposed Next Meeting Agenda 4/09/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>
Service part volume projections	John Shore	10
PCM solder crack issue & current draw to stall the vehicle	John Joshan	10

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 5/16/02
 Kavlico dPPE Sensor Core Team

EMR2-027-D 12512

Freeland, Mark (M.)

From: Carter, Roscoe (R.O.)
Sent: Thursday, May 02, 2002 11:38 AM
To: Ausherman, Julie (J.S.)
Cc: Wallace, Anna (A.); Freeland, Mark (M.)
Subject: RE: Work Task Number for Central Labs charged to Dept #J071

This is the work task # to be used in place of XMY30 on LAB # 20889 and 20891
Thanks for your assistance one and all. ROCarter

-----Original Message-----

From: Ausherman, Julie (J.S.)
Sent: Thursday, May 02, 2002 10:27 AM
To: Carter, Roscoe (R.O.)
Cc: Wallace, Anna (A.); Freeland, Mark (M.); Ausherman, Julie (J.S.)
Subject: RE: Work Task Number for Central Labs charged to Dept #J071

I have created work task number AJ71A for use with Polymer Characterization. WHMS/WORQ's will be updated this weekend.

If you have any questions or problems, please don't hesitate to call.

Best Regards,
Julie Ausherman
Financial Analyst
Ford Research Laboratory
Phone: 313-390-7392
fax: 313-845-7307

-----Original Message-----


From: Carter, Roscoe (R.O.)
Sent: Thursday, April 25, 2002 10:24 AM
To: Ausherman, Julie (J.S.)
Cc: Wallace, Anna (A.); Freeland, Mark (M.)
Subject: Work Task Number for Central Labs charged to Dept #J071

Julie,

Please forward the Work task number for the work at Central labs on to Anna Wallace at the above e-mail address as soon as it is available. This is for the Polymer Characterization of the delta PFE sensors (four units total). Thanks!!

Roscoe "ROC" Carter
Ford Research Lab
Physical and Environmental Sciences Department
Lubricant Science and ATF Analysis Group Leader

From: Panaretos, Christine (C.M.)
Sent: Tuesday, March 12, 2002 12:04 PM
To: Akins, Mary (M.); Akolkar, Shrikant (S.V.); Albrecht, Guenter (G.K.); Alles, Sheran (S.A.); Arnold, Kenneth (K.M.); Auler, Jim (J.E.); Awad, Mahmoud (M.I.); Ayers, Don; Bandoska, Pete (P.F.); Banaak, Catherine (C.K.); Berauder, Lee (L.C.); Bliss, Gerry (G.); Bronni, Mark (M.J.); Danas, Adam (A.V.); Davies, Brady; Deeb, Joe (J.S.); Douglass, Jim (J.B.); Freeland, Mark (M.); Gatea, Freeman (F.C.); Giordano, Mike (M.A.); Godlewski, Ed (E.V.); Hangas, Jon (J.); Jahshan, John; Janda, Jon (J.M.); Johnson, Joe (J.H.); Kapp, Dan (Daniel R.); Kerezi, Karen (K.J.); Kozewnik, John (J.J.); Kunde, Olaf (O.); Masura, Gordon (G.P.); Maurer, James (J.B.); McCarty, Bill (W.D.); Muter, Doreen (D.J.); Nielsen, Christian (C.A.); O'Neal, Jim (J.D.); Oswald, Greg (G.G.); Panaretos, Christine (C.M.); Park, Kyong; Pascany, Ken (K.M.); Perry, Brian (B.J.); Plante, Paul (P.G.); Popoff, Daniel (D.M.); Raquepau, Alden (A.P.); Rossi, Roberto (R.A.); Schieding, Kurt (K.J.); Shore, John (J.); Smythe, Joseph (J.M.); Tamashiro, Terry; Trujillo, Thomas (T.G.); Verner, Carol (C.J.); White-johnson, Patrice (P.); Williamson, Richard (E.); Wilson, Cary (C.A.)
Subject: Meeting Agenda for 3/12/02- Kavlico


Kavlico Meeting
Agenda_031202.....

Chris Panaretos

Project Manager, Project Solutions, LLC.
Ford POEE, Components "B"
(313) 24-89337
Fax: (313) 32-29265



MEETING ANNOUNCEMENT / WORKING TEAM MEETING

Objective: Establish and implement corrective and containment actions for Kaylico TM dPFE Sensor

Meeting Logistics

Subject: Kaylico TM dPFE Sensor Core Team
Dates: March 12, 2002
Time: 1-2:30 p.m.
Location: POEE, DI-196 (FMEI War Room)
Called By: Jim Maurer, Team Leader: (313) 39-03672
Next Meeting (s): March 14, 2002, Technical Offsite #2

Conference Call-in Number(s): 9-1-954-1149 (inside Ford); 847-619-6158 (outside) Passcode: 6881436#
 Kaylico Fax: 805-531-6574

Core Team Participants

<u>Black Belts</u>	<u>Kaylico</u>	<u>V-Engine</u>	<u>Quality Office</u>	<u>BESE</u>	<u>Purchasing</u>
Mark Freeland	Mary Akiss	Jim O'Neill	Mahmoud Awad	Sheran Allica	Joe Smythe
Shri Akulkar	Don Ayers	Freeman Gates	Kurt Schieding	Robert Rossi	Chris Nielsen
Jon Janda		Chris Panaretos			
		Paul Plante		<u>PCSE</u>	
<u>Team Leader</u>		Carol Verner		Ken Arnold	
Jim Maurer				Brian Perry	

Meeting Agenda - 3/12/02

<u>Order of Agenda Items</u>	<u>Corr. Issue #</u>	<u>Person(s) Responsible</u>	<u>Time Allocated</u>
1. Introductions		All	5 minutes
2. Kaylico needs to verify what Pirana-catch does to aluminum.		Kyong Park	10 minutes
3. Status on Norfolk and St. Thomas returns.		Terry T	10 minutes
4. Complete teardown analysis for five platforms including Focus		Terry T	10 minutes
5. Capacity for service.		Chris Nielsen	10 minutes
6. Update on Vehicle Electrical Testing	K6, A1 & I12, A6	R. Rossi	20 minutes
7. Compare failure mechanism of the current production acid tested parts vs. warranty UPAD parts.		Kyong Park	15 minutes
8. Affect of the gold process on warranty		Kyong Park	15 minutes
9. Update on fleet vehicles		Carol Verner	10 minutes
10. Walk-in's		All	10 minutes
11. Next meeting (3/19) agenda		All	5 minutes

<u>Proposed Next Meeting Agenda 3/19/02</u>	<u>Person(s) Responsible</u>	<u>Time Estimated</u>

Notes

Bring handouts (paper copies) for all presentations
 Provide electronic copies of presentations to CPANARET (no later than 1 hour prior to the meeting)
 Please be on time as we have a full agenda

Jim Maurer/cp: 1/15/2003
 Kaylico dPFE Sensor Core Team

E902-027-0 13104



Jim Maurer/cp: 1/15/2003
Kavlico dPFE Sensor Core Team

ERR2-027-D 13105

From: Plante, Paul (P.G.)
Sent: Wednesday, July 31, 2002 3:43 PM
To: O'Neill, Jim (J.D.); Gates, Freeman (F.C.); Awad, Mahmoud (M.I.); Koszewnik, John (J.J.);
Douglass, Jim (J.B.); Goering, Kimberly (K.L.); Maurer, James (J.B.)
Cc: Plante, Paul (P.G.); Freeland, Mark (M.)
Subject: DPFE Sensor 14D Tech Review Prep

I have committed V Engine to a Tech Review the week of 8/28/02 (exact date TBD). Prep work is required, and detailed below. There is potential for the EPA/CARB to require extended warranty for all affected vehicles for the regulatory useful life of 10/100K (cars) and 11/120K (trucks). The 14D will be written to address this warranty extension.

Assignments:

- 1) **John Koszewnik/Jim O'Neill:** Vehicle Environmental Engineering recommends 10/100 & 11/120 for EPA. FCSD prefers 8/80 for all vehicles. V Engine usually recommends select MOP from the stack chart for select applications of the 21 affected vehicles. What is your current opinion preference?
- 2) **M. Awad:** Please update warranty charts for all 21 vehicles, and estimate number of repairs for 10/100 cars and 11/120 trucks. Also extract warranty count for 8/80 (all vehicles) and other approaches (TBD) suggested by V Engine management by 8/12/02.
- 3) **Jim Maurer:** Begin updating 14D. You and I will write final version week of 8/12/02.
- 4) **Jim Douglass/Kim Goering:** Discuss and agree on warranty extension recommendation miles/months between FCSD and VEE.

Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pillar D5
Tele. 313-84-54138; Fax 39-02513
Text Pager: 734-296-1905
E Mail: pplante@ford.com (CDS ID PPLANTE)

From: Plante, Paul (P.G.)
Sent: Monday, December 17, 2001 9:18 AM
To: Koszewnik, John (J.J.)
Subject: RE: Kavlico dPFE Sensor Issue Update

John, thanks I needed the "support" comment in writing to possibly pass on. I will also need support from Jim, Dan and Cary and will actively pursue that. I have already set up a review w/ you and Frank for 1/15/02. After that, DQR/Joint Staff will be scheduled. I will be actively working to get a strategic solution to this issue at minimum cost.

On a personal note, I have very much appreciated working with you this year. Your support and advise for all the issues, about (70) I followed in 2001, has been outstanding. I look forward to 2002, and hopefully a reduced number of issues. All the best to you and the family!

—Original Message—

From: Koszewnik, John (J.J.)
Sent: Sunday, December 16, 2001 1:24 PM
To: Plante, Paul (P.G.); Owens, Karen (K.E.)
Cc: Fsadni, Frank (F.); O'Neill, Jim (J.D.)
Subject: RE: Kavlico dPFE Sensor Issue Update

Paul and Karen,

- All manpower and facilities are approved as top priority for this issue. Let me know if you encounter any roadblocks here... and we'll bust them down.

- Suggest you bring this into a DQR meeting or Joint Staff meeting, in which Frank and/or I can advise the managers of the importance of this issue.
I suspect they already know... but it never hurts to reinforce the message.

-- I already sent a note to Jim Auller, Dan Kapp, and Cary Wilson soliciting their help. Let me know soon if you don't hear from their organizations.

-- I'll be happy to attend any Tuesday meeting you tell me to. Hopefully, we can coordinate agendas for your meeting and the MPIM so that I'm not getting pulled in different directions at the same time.

-- We'll still need to talk further about your strategic suggestions. Set up a half hour meeting with Frank and me after the New Year please to do so.

—Original Message—

From: Plante, Paul (P.G.)
Sent: Friday, December 14, 2001 12:14 PM
To: Koszewnik, John (J.J.); Fsadni, Frank (F.)
Cc: Plante, Paul (P.G.); Owens, Karen (K.E.)
Subject: Kavlico dPFE Sensor Issue Update

Attached is a one page overview of this issue compiled by the core working team. You are the first to see it. It will be distributed to all affected starting Monday 12/17/01. The 14D is complete (preliminary), and will also be shared with select people on a need to know basis. The working team is complete except for a single PCM POC from PT (I discussed this with Dan Kapp Thursday, he will see John. I will pursue also). Key team documents are established including team roster, open issues/assignments list, and 14D. Core working team meetings will be every Tuesday and Thursday 1:00-3:00 PM ongoing starting now. Technical full day offsite is proposed for 1/24/02. John/Frank review set for 1/15/02.

Your assistance is requested in:

1) Approving manpower and facilities as top priority for this issue.

- 2) Advising managers of importance of this issue, and participating in core group, not separate initiatives.
- 3) Assisting with priority requirements from EESE (Body wiring) and PCM (PTSE) organizations.

Strategic suggestion:

- 1) Establish one section for all Warranty Analysts. Put P. Plante, Warranty Analysts and V Service Engineering in the same department.
- 2) Review all lists of Field Failure concerns. Prioritize, and man based on highest impact (R/1000, cost safety, etc) to V Engine. Assign Warranty Analysts to verify magnitude of each concern.

<< File: dpfesum.doc >>

Paul Plante
V Engine Campaign Prevention Specialist
POEE Building, Drop 20, Cube BG049, Pillar D5
Tele. 313-84-54138; Fax 39-02513
Text Pager: 734-296-1905
E Mail: pplante@ford.com (CDS ID PPLANTE)

From: Knight, Susan (S.M.) on behalf of Szczupak, Dave (D.T.)
Sent: Monday, June 17, 2002 8:35 AM
To: Koszewnik, John (J.J.)
Subject: FW: Golden Sensors

John,

I hope we are only sending out good ones to FCSD and retrofitting Motorola where possible. I know the Focus is going to Motorola for service. Please make sure there is a good plan.

Dave Szczupak

2UD51, PDC (MD 504)

Phone: 313-390-7899 / Secure Fax: 313-337-9836

Executive Assistant: Sue Knight (cde id: sknight2)

—Original Message—

From: O'Brien, Luan (L.M.) On Behalf Of Padilla, Jim (James J.)
Sent: Friday, June 14, 2002 11:15 AM
To: Szczupak, Dave (D.T.); Kapp, Dan (Daniel R.); Koszewnik, John (J.J.); Auller, Jim (J.E.)
Cc: Rhymer, Roman (R.J.); Goesser, Louise (L.K.)
Subject: Golden Sensors

Yesterday I visited FCSD Parts & Service group. This month they are shipping out 90,000 Δ PFE sensors from Pavilco to dealers.

Regards,

Jim Padilla
Group Vice President
Ford North America

Mercler, Julie (J.A.)

From: Muter, Doreen (D.J.)
Sent: Monday, September 16, 2002 3:48 PM
To: Awad, Mahmoud (M.I.); Mercler, Julie (J.A.)
Cc: Maurer, James (J.B.)
Subject: RE: More warranty projections for DPFE 14D

Julie, would you please pull the volumes for engineering per their note below.

Doreen J. Muter

Recall & Service Programs---FCSD
Diagnostic Service Center II, Cube 793
Phone #:313-323-0731
dmuter@ford.com

—Original Message—

From: Awad, Mahmoud (M.I.)
Sent: Monday, September 16, 2002 2:47 PM
To: Muter, Doreen (D.J.)
Cc: Maurer, James (J.B.)
Subject: FW: More warranty projections for DPFE 14D

Doreen,

I need your help in getting the volumes for each application listed below for 01 MY in all the states except the green states(Cal, NY, MA, VT, ME). In addition to that I need the volumes for the green states by application too.

2.0L Zetec Focus*
3.0L DOHC Escape*
2.0L Zetec Escape*
4.0L SOHC Expl Stripped Chassis
4.2 L OHV F-Series
4.0L SOHC Ranger
2.5L DOHC Cougar
4.8L SOHC F-Series*
3.0L DOHC Taurus/Sable*
3.8L OHV Mustang
4.6L SOHC Econoline
4.0L SOHC Explorer Sport Trac
4.6L SOHC Expedition
3.0 L OHV VULCAN RANGER
3.8 L OHV WINDSTAR
4.2 L OHV ECONOL
4.6L SOHC Town Car
3.0L OHV Vulcan Taurus/Sable
4.0L SOHC Explorer Sport
4.6L SOHC CV
4.6L SOHC GM
4.6L SOHC Explorer
4.0L SOHC Explorer

Just for the Taurus/Sable, would you send me the 00MY volumes too please.

Thanks

Best Regards

Mahmoud Awad

*Reliability Implementation Engineer
FMEI Department Support*

ENG2-827-D 14487

Phone: (313) 24-83869
e-mail: mawad@ford.com

-----Original Message-----

From: Maurer, James (J.B.)
Sent: Monday, September 16, 2002 12:57 PM
To: Awad, Mahmoud (M.I.)
Subject: RE: More warranty projections for DPFE 14D

Mahmoud,

The due date is today of course, so do them as soon as you can. Do only the year at this time, not by month of production, as long as the system will come up with the same answer on the number of failures.

Thanks.

Regards,

Jim Maurer

James B. Maurer
V-Engine 6-Sigma Team Leader
Fuel Metering Dept. V Engine Engineering
Phone (313) 390-3672, Fax (313) 390-4084
Text Page: (313) 795-5219
Email: jmaurer@Ford.com

-----Original Message-----

From: Awad, Mahmoud (M.I.)
Sent: Monday, September 16, 2002 12:42 PM
To: Maurer, James (J.B.)
Subject: RE: More warranty projections for DPFE 14D

Jim,

First when is the due date? Secondly it looks like that no one is interested in the MOP's, so is it OK to do the projections by MY instead.

Thanks
Mahmoud

-----Original Message-----

From: Maurer, James (J.B.)
Sent: Monday, September 16, 2002 12:29 PM
To: Awad, Mahmoud (M.I.)
Subject: More warranty projections for DPFE 14D

Mahmoud,

At Friday's tech review, it was proposed to do a warranty extension less than 10 years, 100K miles.

This morning, a meeting was held at FCSD and a 2 year/24,000 mile extension for warranty coverage was approved.

In effect, the 49S warranty will be extended from 3/36 to 5/60. California vehicles will have warranty extended from 3/50 to 5/74. Lincoln Town car will be extended from 4/50 to 6/74.

Now I need new projections for how many of each vehicle will fail within the new warranty period. Also, I need to know how many failures will occur between now and January, 2004.

Also, I will need to make a new estimate of the repeat repair percentage in the 14D, since the 15% was made from a 10/100K mile warranty.

The model years included in the analysis should be 2000 Taurus/Sable and the 21 carlines for 2001 MY.

Regards,

Jim Maurer

James B. Maurer

V-Engine 6-Sigma Team Leader

Fuel Metering Dept. V Engine Engineering

Phone (313) 390-3672, Fax (313) 390-4084

Text Page: (313) 795-5219

Email: jmaurer@Ford.com

EA02-027-D 14480

Marcier, Julie (J.A.)

From: Marcier, Julie (J.A.)
Sent: Tuesday, September 17, 2002 10:27 AM
To: Awad, Mahmoud (M.I.)
Cc: Maurer, James (J.B.); Muter, Doreen (D.J.); Marcier, Julie (J.A.)
Subject: RE: More warranty projections for DPFE 14D - 01Y34

Mahmoud,

Per discussions with Mahmoud, Gary Balint, Gordon Masura, and Jim Maurer, I have learned that the purpose of the requests below is to estimate the cost of for the 01Y34 dPDE 14D based on the Green States vs non-green states. I will provide total volume of non-green state and green state original owners and will not split it out by model and engine application. Mahmoud, from our conversation, can then apply a number/overall percentage to the two groups to come up with overall approximate failure rates so that an estimated cost be determined for the 14D for green vs. non-green.

Jim, Gary and Gordon have all agreed to this method. Let me know if you do not think you can arrive at a good/reasonable estimate this way.

Thanks.

Best Regards

Julie Marcier
FSA Coordinator
FCSD/Recall & Service Programs
DSCII #775
(313) 317-9266 Fax: 845-1024
jmercier@ford.com

-----Original Message-----

From: Awad, Mahmoud (M.I.)
Sent: Tuesday, September 17, 2002 9:40 AM
To: Marcier, Julie (J.A.)
Cc: Maurer, James (J.B.)
Subject: RE: More warranty projections for DPFE 14D - 01Y34

Julie,

I know that it is a lot of work, sorry but since each vehicle line has a different failure rate, we need to do it by vehicle line please.

Thanks
Mahmoud

-----Original Message-----

From: Marcier, Julie (J.A.)
Sent: Tuesday, September 17, 2002 9:00 AM
To: Awad, Mahmoud (M.I.)
Cc: Maurer, James (J.B.); Muter, Doreen (D.J.)
Subject: RE: More warranty projections for DPFE 14D - 01Y34

Jim and Mahmoud, Doreen forwarded your request for Green State vs non-Green state volumes. I wonder if you just need total green vs-non-green, or if you really do need it by vehicle line and engine application. Adding on vehicle line and engine increases complexity/work a great deal. If you need this only for financials, I suggest we do this by green vs non-green only. Let me know what you decide, and contact me

if you do not agree so we can discuss the best way to provide you with the information you require.

Best Regards

Julie Mercier
FSA Coordinator
FCSD/Recall & Service Programs
DSCII #775
(313) 317-9266 Fax: 845-1024
jmercier@ford.com

---Original Message---

From: Muter, Doreen (D.J.)
Sent: Monday, September 16, 2002 3:48 PM
To: Awad, Mahmoud (M.I.); Mercier, Julie (J.A.)
Cc: Maurer, James (J.B.)
Subject: RE: More warranty projections for DPFE 14D

Julie, would you please pull the volumes for engineering per their note below.

Doreen J. Muter
Recall & Service Programs--FCSD
Diagnostic Service Center II, Cube 793
Phone #:313-323-0731
dmuter@ford.com

---Original Message---

From: Awad, Mahmoud (M.I.)
Sent: Monday, September 16, 2002 2:47 PM
To: Muter, Doreen (D.J.)
Cc: Maurer, James (J.B.)
Subject: FW: More warranty projections for DPFE 14D

Doreen,
I need your help in getting the volumes for each application listed below for 01 MY in all the states except the green states(Cal, NY, MA, VT, ME). In addition to that I need the volumes for the green states by application too.

2.0L Zetec Focus*
3.0L DOHC Escape*
2.0L Zetec Escape*
4.0L SOHC Expl Stripped Chassis
4.2 L OHV F-Series
4.0L SOHC Ranger
2.5L DOHC Cougar
4.6L SOHC F-Series*
3.0L DOHC Taurus/Sable*
3.8L OHV Mustang
4.6L SOHC Econoline
4.0L SOHC Explorer Sport Trac
4.6L SOHC Expedition
3.0 L OHV VULCAN RANGER
3.8 L OHV WINDSTAR
4.2 L OHV ECONOL
4.6L SOHC Town Car
3.0L OHV Vulcan Taurus/Sable
4.0L SOHC Explorer Sport
4.6L SOHC CV
4.6L SOHC GM

4.6L SOHC Explorer
4.0L SOHC Explorer

Just for the Taurus/Sable, would you send me the ODMY volumes too please.
Thanks

Best Regards
Mahmoud Awad
Reliability Implementation Engineer
FMEI Department Support
Phone: (313) 24-83868
e-mail: mawad@ford.com

---Original Message---

From: Maurer, James (J.B.)
Sent: Monday, September 16, 2002 12:57 PM
To: Awad, Mahmoud (M.I.)
Subject: RE: More warranty projections for DPFE 14D

Mahmoud,
The due date is today of course, so do them as soon as you can. Do only the year at this time, not by-month of production, as long as the system will come up with the same answer on the number of failures.

Thanks.

Regards,

Jim Maurer

James B. Maurer
V-Engine 6-Sigma Team Leader
Fuel Metering Dept. V Engine Engineering
Phone (313) 390-3672, Fax (313) 390-4084
Text Page: (313) 795-5218
Email: jmaurer@Ford.com

---Original Message---

From: Awad, Mahmoud (M.I.)
Sent: Monday, September 16, 2002 12:42 PM
To: Maurer, James (J.B.)
Subject: RE: More warranty projections for DPFE 14D

Jim,

First when is the due date? Secondly it looks like that no one is interested in the MOP's, so is it OK to do the projections by MY instead.

Thanks

Mahmoud

---Original Message---

From: Maurer, James (J.B.)
Sent: Monday, September 16, 2002 12:29 PM
To: Awad, Mahmoud (M.I.)
Subject: More warranty projections for DPFE 14D

Mahmoud,

At Friday's tech review, it was proposed to do a warranty extension less than 10 years, 100K miles.

This morning, a meeting was held at FCSD and a 2 year/24,000 mile extension for warranty coverage was approved.

In effect, the 49S warranty will be extended from 3/36 to 5/60. California vehicles will have warranty extended from 3/60 to 5/74. Lincoln Town car will be extended from 4/50 to 6/74.

Now i need new projections for how many of each vehicle will fall within the new warranty period. Also, I need to know how many failures will occur between now and January, 2004.

Also, I will need to make a new estimate of the repeat repair percentage in the 14D, since the 15% was made from a 10/100K mile warranty.

The model years included in the analysis should be 2000 Taurus/Sable and the 21 carlines for 2001 MY.

Regards,

Jim Maurer

James B. Maurer

V-Engine 6-Sigma Team Leader

Fuel Metering Dept. V Engine Engineering

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Email: jmaurer@Ford.com

Mercier, Julie (J.A.)

From: Mercier, Julie (J.A.)
Sent: Thursday, September 26, 2002 10:39 AM
To: Verner, Carol (C.J.); Muter, Doreen (D.J.); Goebel, Ken (K.M.)
Cc: Mercier, Julie (J.A.)
Subject: 01Y34 dPFE Escape Court Issue - Explanation from systems on why counts went down over a couple of months.

Carol, We had reported higher numbers for the Escape vehicles for this issue, and then they went down. Below is an explanation from my systems group. While they are not absolutely sure what happened, they have verified that the present counts match with NAVIS. So we should be OK

Best Regards

Julie Mercier
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FCSD/Recall & Service Programs
DSCII #775
(313) 317-9266 Fax: 845-1024
jmercier@ford.com

---Original Message---

From: Reku, Sandra (S.A.)
Sent: Wednesday, September 25, 2002 10:59 AM
To: Mercier, Julie (J.A.)
Cc: Molloy, Kevin (K.)
Subject: Escape Issue

Julie.....

I am sorry this took so long, but I have finally figured this out. Unfortunately, a VIN list was not saved of all vehicles eliminated from the VDM, but I did find an incomplete list of the re-serialized VIN's, which was able to prove my point. The bulk of the VIN's eliminated were 2001 & 2002 Escapes, all built late 2000 and in 2001. I did not believe that the re-serialized VIN issue was our problem, because Duane Karvonen from NAVIS guaranteed that the original VIN's that were re-serialized only had a status code of 200 or 220 (serialized status) and CTS does not count status codes less than 400 (produced).

SAVE retrieves a NAVIS record via the NAVIS finder by the first 2 positions and last 8 positions of the VIN and not by the entire 17 position VIN structure which we store in the SAVE database. Therefore, an original VIN picked up re-serialized VIN information giving the original VIN status codes greater than 400 (produced). SAVE eliminated all VIN's in the VDM this past year with 1) status code less than 400, and 2) the original VIN if re-serialized.

I regret that I do not have a VIN list or a totals report to prove these numbers. I was able to prove this fact by looking at several re-serialized VIN production dates. I am confident that today's counts are accurate in the VDM because they match to the NAVIS counts of 400 status or greater. Any variance in data content in the VDM between SAVE and NAVIS (which I do not expect), will be taken care of during our VIN refresh expected by year end for our later model years. We will see that an accurate report will be kept in the future concerning database enhancements.

Sorry for your inconvenience.

Sandy Rehu

EA82-827-D 14533

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