

PE03-044
FORD
5/13/2005
APPENDIX I
BOOK 16 OF 28
PART 2 OF 4

**Advanced Product Quality Planning
Status Report**

Date: 05/30/00
Review No.: 2
Diamond Point

Supplier	Teleflex Automotive Inc.		
Location	Kendallville, IN		
Supplier Code	T0710		
Risk Assessment	New: Site <input checked="" type="checkbox"/> Technology <input checked="" type="checkbox"/> Process <input checked="" type="checkbox"/>		
Other Risks			

Program	U157 - Excursion
Model Year	2001
Lead Part No.	1C25-9F536-A
Part Name	Adjustable Pedal - Acetal Diesel (ETC)
Notice Level	
User Plant(s)	Kentucky Truck

Team Members	Company/Title	Phone/Fax
Elio Evangelista	Teleflex - Program Manager	(248) 818-3104 / (248) 818-3810
Alan Farrah	Teleflex - Product Engineer (AP8)	(248) 577-3245 / (248) 818-3810
Avtar Kaur	Teleflex - Engineering Manager (ETC)	(248) 818-3138 / (248) 818-3810
Rich Carles	Teleflex - Prototype Coordinator	(219) 349-1885 / (219) 349-1883
Bill Teller	Teleflex - Engineering Manager	(248) 818-3843 / (248) 818-3810
Larry Wyatt	Teleflex - Account Manager	(248) 818-3152 / (248) 818-3810
Mike Fontana	Teleflex - Manufacturing Engineer (AP8)	(219) 349-1885 / (219) 349-1883
Dave Brinkhoff	Teleflex - Manufacturing Engineering Manager	(219) 349-1885 / (219) 349-1883
Rob Mundroff	Teleflex - Quality Manager	(219) 349-1885 / (219) 349-
Bill Falero	Teleflex - Materials Manager	(219) 349-1886 / (219) 349-
Don Bassett	Teleflex - Manufacturing Molding Engineer (ETC)	(419) 823-7010 / (419) 823-
Nathan Schuler	Spectrol - Program Manager (ETC)	(248) 680-8070 / (248) 680-
Lisa Petruskas	Ford - Release Engineer	(313) 390-8070 / (313) 317-4576
Phil Beuckelecke	Ford - Engineering Supervisor	(313) 317-2345 / (313) 317-2348
Garth Boswell	Ford - Supplier Quality	(313) 248-3216 / (313) 317-4576

Build Level	Material Required Date	Quantity	Concurred		P.L.S.T %	P.I.P.C. %
			No. SCs	No. CCs		
CP	8/2/2000	25				
PPAP	12/31/00	300				
Job #1	02/01/01	TBD				

FERR-004 26487

APQP Elements	GYR Status	Focus Element Rating	Program Need Date	Supplier Timing Date	Closed Date	Completion Initials	Remarks or Assistance Required
1) Sourcing Decision	G					LW / JS	Signed BETA
2) Customer Input Requirements	G					AF / LP	
3) Design FMEA	R	2	05/15/00	05/15/00		AF / LP	Complete, need review and sign-off
4) Design Review(s)	G	2	On Going	On Going		AF / LP	
5) Design Verification Plan	R	2	05/15/00	05/25/00		AF / LP	Testing behind schedule and extended lit (5/18/00)
6) Subcontractor APQP Status	G		On Going	On Going		CDS	
7) Facilities, Tools, and Gages	G		10/18/00	10/18/00		MF / DB	
8) Prototype Build Control Plan	R	3	03/31/00	03/02/00		RC	Need review and sign-off
9) Prototype Build - CP MRD	R	3	03/31/00	03/02/00		RC	Behind schedule due to design change
10) Drawings and Specifications	G		04/16/00	04/15/00		AF / LP	
11) Team Feasibility Commitment	G		03/31/00	03/31/00		GPT	
12) Manufacturing Process Flow Chart	G	3	10/18/00	10/18/00		MF / DB	
13) Process FMEA	G	3	10/18/00	10/18/00		MF / DB	
14) Measurement Systems Evaluation	G		09/01/00	09/01/00		MF / DB	
15) Pre-Launch Control Plan	G		09/01/00	09/01/00		RC / RM	
16) Operator Process Instructions	G		10/19/00	10/19/00		RM / MF	
17) Packaging Specifications	G		08/25/00	08/25/00		MF / BF	
18) Production Trial Run	G		10/17/00	10/17/00		MF / RM	
19) Production Control Plan	G		10/17/00	10/17/00		RM	
20) Preliminary Process Capability Study	G		10/17/00	10/17/00		MF / RM	
21) Production Validation Testing	G		11/24/00	11/24/00		MF / AF / GR	
22) Production Part Approval (PSW) - Interim	G		11/01/00	11/01/00		RM	With an Alert - Less PV Testing
22) Production Part Approval (PSW) - Full	G		12/01/00	12/01/00		RM	
23) PSW Part Delivery at MRD (Interim)	G		11/01/00	11/01/00		RM / BF	With an Alert - Less PV Testing
23) PSW Part Delivery at MRD (Full)	G		12/01/00	12/01/00		RM / BF	

COMMENTS:

P03-04 2848

Advanced Product Quality Planning Status Report

Date: 05/10/00
 Review No.:
 Diamond Point:

Supplier	Teleflex Automotive Inc.		
Location	Kendallville, IN		
Supplier Code	T0710		
Risk Assessment			
New:	Site <input checked="" type="checkbox"/>	Technology <input checked="" type="checkbox"/>	Process <input checked="" type="checkbox"/>
Other Risks	<input type="checkbox"/>		

Program	U137 - Excursion
Model Year	2001
Lead Part No.	1C35-9F835-A
Part Name	Adjustable Pedal - Accel Diesel - ETC
Notice Level	
User Plant(s)	Kentucky Truck

Team Members	Company/Title	Phone/Fax
Elio Evangelista	Teleflex - Program Manager	(248) 818-3104 / (248) 818-3810
Alan Farish	Teleflex - Product Engineer (APS)	(248) 577-3245 / (248) 818-3810
Greg Peterson <i>LF/ETC</i>	Teleflex - Product Engineer (ETC)	(248) 818-3148 / (248) 818-3810
Rich Caruso	Teleflex - Prototype Coordinator	(218) 349-1885 / (218) 349-1883
Bill Tisher	Teleflex - Engineering Manager	(248) 818-3843 / (248) 818-3810
Larry Wyatt	Teleflex - Account Manager	(248) 818-3152 / (248) 818-3810
Mike Foreman	Teleflex - Manufacturing Engineer (APS)	(218) 349-1885 / (218) 349-1883
Dave Brinkoff	Teleflex - Manufacturing Engineering Manager	(218) 349-1885 / (218) 349-1883
Rob Mundroff	Teleflex - Quality Manager	(218) 349-1885 / (218) 349-1883
Bill Polano	Teleflex - Materials Manager	(218) 349-1885 / (218) 349-1883
Don Bassett	Teleflex - Manufacturing Molding Engineer (ETC)	(418) 823-7510 / (418) 823-7755
Stephen Ripper	Speedol - Program Manager (ETC)	(248) 588-8070 / (248) 588-8220
Les Petrusikow	Ford - Release Engineer	(313) 317-8070 / (313) 317-
Phil Bauckalaka	Ford - Engineering Supervisor	(313) 317-2345 / (313) 317-
Ranga Rajan	Ford - Supplier Quality	(313) 348-3276 / (313) 337-

Build Level	Material Required Data	Quantity	Concurred		P.I.S.T %	P.I.P.C. %
			No. SCs	No. CCs		
CP	3/31/2000	85				
PPAP	12/01/00	300				
Job #1	02/01/01	180				

P233-044 25488

APQP Elements	QYR Status	Focus Element Rating	Program Need Date	Supplier Timing Date	Closed Date	Champion Initials	Remarks or Assistance Required
1) Sourcing Decision	G					LW / JB	Signed CBTA
2) Customer Input Requirements	G					AF / LP	
3) Design FMEA	R	R	05/15/00	05/15/00		AF / LP	From CURL Review R-350
4) Design Review(s)	G		On Going	On Going		AF / LP	
5) Design Verification Plan	R	R	05/15/00	05/15/00		AF / LP	
6) Subcontractor APQP Status	G		On Going	On Going		CDB	
7) Facilities, Tools, and Gages	G		10/18/00	10/18/00		MF / DB	
8) Prototype Build Control Plan	R	R	03/31/00	03/31/00		RC	From CURL Review R-350
9) Prototype Builds - CP MRD	R	R	03/31/00	03/31/00	03/100	RC	
10) Drawings and Specifications	G		04/15/00	04/15/00		AF / LP	
11) Team Feasibility Commitment	G		03/31/00	03/31/00		CFT	
12) Manufacturing Process Flow Chart	G	0	10/18/00	10/18/00		MF / DB	
13) Process FMEA	G	0	10/18/00	10/18/00		MF / DB	
14) Measurement Systems Evaluation	G		09/01/00	09/01/00		MF / DB	
15) Pre-Launch Control Plan	G	0	09/01/00	09/01/00		RC / RM	
16) Operator Process Instructions	G	0	10/18/00	10/18/00		RM / MF	
17) Packaging Specifications	G		08/25/00	08/25/00		MF / BF	
18) Production Trial Run	G	0	10/17/00	10/17/00		MF / RM	
19) Production Control Plan	G		10/17/00	10/17/00		RM	
20) Preliminary Process Capability Study	G		10/17/00	10/17/00		MF / RM	
21) Production Validation Testing	G		11/24/00	11/24/00		MF / AF / GR	
22) Production Part Approval (PSW) - Interim	G		11/01/00	11/01/00		RM	With an Alert - Less PV Testing
22) Production Part Approval (PSW) - Full	G		12/01/00	12/01/00		RM	
23) PSW Part Delivery at MRD (Interim)	G		11/01/00	11/01/00		RM / BF	With an Alert - Less PV Testing
23) PSW Part Delivery at MRD (Full)	G		12/01/00	12/01/00		RM / BF	

COMMENTS:

#003-044 26598

Advanced Product Quality Planning Status Report

Date: 11/02/00
 Review No.: 7
 Diamond Point

Supplier	Teleflex Automotive Inc.		
Location	Kendallville, IN		
Supplier Code	T0710		
Risk Assessment			
New:	Site <input checked="" type="checkbox"/>	Technology <input checked="" type="checkbox"/>	Process <input type="checkbox"/>
Other Risks			

Program	U137 - Excursion
Model Year	2001
Lead Part No.	1C35-6P835-AD
Part Name	Adjustable Pedal - Aocol Diesel - (ETC)
Notice Level	
User Plant(s)	Kentucky Truck

Team Members	Company/Title	Phone/Fax
Elio Evangelista	Teleflex - Program Manager	(248) 616-3104 / (248) 616-3810
Lou Hudson	Teleflex - Product Engineer (APS)	(248) 677-3861 / (248) 616-3810
Rich Carls	Teleflex - Prototype Coordinator	(219) 349-1885 / (219) 349-1983
Bill Teller	Teleflex - Engineering Manager	(248) 616-3843 / (248) 616-3810
Conrad Niester	Teleflex - Account Manager	(248) 616-3135 / (248) 616-3810
Ben Franklin	Teleflex - Quality Engineer	(219) 349-1885 / (219) 349-1983
Mike Fortman	Teleflex - Manufacturing Engineer (APS)	(219) 349-1985 / (219) 349-1983
Dave Brinkhoff	Teleflex - Manufacturing Engineering Manager	(219) 349-1955 / (219) 349-1983
Bill Kirkland	Teleflex - Quality Manager	(219) 349-1955 / (219) 349-1983
Ed Boscarino	Teleflex - Materials Manager	(219) 349-1885 / (219) 349-1983
Lisa Fekauskis	Ford - Release Engineer	(313) 390-6070 / (313) 317-4876
Phil Bouckelepis	Ford - Engineering Supervisor	(313) 317-2845 / (313) 317-2349
Doug Volt	Ford - Supplier Quality	(313) 584-1679 / (313) 337-5662

Build Level	Material Required Date	Quantity	Concurred		F.I.S.T %	P.I.P.C. %
			No. SCs	No. CCs		
CP	3/31/2000	26	8	4		
PPAP	12/01/00	300	8	4		
Job #1	02/01/01	97	6	4		

PENG-844 28901

APQP Elements	GYR Status	Focus Element Rating	Program Need Date	Supplier Timing Date	Closed Date	Champion Initials	Remarks or Assistance Required
1) Sourcing Decision	G					LW / JS	Signed ESTA
2) Customer Input Requirements	G					LH / LP	
3) Design FMEA	G	2	05/15/00	05/15/00	05/15/00	LH / LP	
4) Design Review(s)	R		On Going	05/15/00		LH / LP	See Attached
5) Design Verification Plan	G	3	05/15/00	05/15/00	05/24/00	LH / LP	
6) Subcontractor APQP Status	G		On Going	On Going		EE	
7) Facilities, Tools, and Gages	Y		10/16/00	10/15/00		MF / DB	Accel bracket tool being revised due 12/5/00
8) Prototype Build Control Plan	Y		03/31/00	06/15/00	08/01/00	RC / LP	Need review and sign-off
9) Prototype Builds - CP MRD	G		03/31/00	07/28/00	08/01/00	RC	
10) Drawings and Specifications	Y		04/15/00	10/30/00		LH / LP	New drawing level per concern C11158105
11) Team Feasibility Commitment	G		03/31/00	03/31/00		CPT	
12) Manufacturing Process Flow Chart	G		10/19/00	09/12/00		MF / DB	Will review with Ford 11/3/00
13) Process FMEA	G		10/19/00	09/12/00		MF / DB	Will review with Ford 11/3/00
14) Measurement Systems Evaluation	G		09/01/00	09/12/00		MF / DB	Will review with Ford 11/3/00
15) Pre-Launch Control Plan	G		09/01/00	09/12/00		RC / RM	Will review with Ford 11/3/00
16) Operator Process Instructions	G		10/19/00	08/24/00		RM / MF	Will review with Ford 11/3/00
17) Packaging Specifications	G		08/25/00	11/15/00		MF / BF	Will review with Ford 11/3/00
18) Production Trial Run	G		10/17/00	10/17/00		MF / RM	Meeting held late Oct. 2000, underway
19) Production Control Plan	G		10/17/00	10/17/00		RM	
20) Preliminary Process Capability Study	G		10/17/00	10/17/00		MF / RM	Will review with Ford 11/3/00
21) Production Validation Testing	R		11/30/00	11/30/00		MF / LH	Current testing using modified brackets, therefore considered DV per Ford, see attached
22) Production Part Approval (PSW) - Full	R		12/01/00	12/01/00		RM	
23) PSW Part Delivery at MRD (Full)	R		12/01/00	12/01/00		RM / BF	

COMMENTS:

per Design Review meeting with Scott Van Dam, program moving to 2002 model year due to attached Design Issues.

PE03-044 28282

Advanced Product Quality Planning Status Report

Date: 05/00/00
Review No.: 2
Diamond Point:

Supplier	Teleflex Automotive Inc.		
Location	Kandallville, IN		
Supplier Code	T0710		
Risk Assessment			
New:	Site <input checked="" type="checkbox"/>	Technology <input type="checkbox"/>	Process <input type="checkbox"/>
Other Risks			

Program	U137 - Excursion
Model Year	2001
Lead Part No.	1C25-8725-A
Part Name	Adjustable Pedal - Accel Gas - (MTC)
Notice Level	
User Plant(s)	Kentucky Truck

Team Members	Company/Title	Phone/Fax
Edo Evangelista	Teleflex - Program Manager	(248) 615-3104 / (248) 615-3610
Alan Farnah	Teleflex - Product Engineer (APS)	(248) 577-3245 / (248) 615-3610
Rich Curies	Teleflex - Prototype Coordinator	(219) 348-1985 / (219) 348-1983
Bill Teller	Teleflex - Engineering Manager	(248) 615-3843 / (248) 615-3810
Larry Wyatt	Teleflex - Account Manager	(248) 615-3152 / (248) 615-3610
Mike Fomenau	Teleflex - Manufacturing Engineer (APS)	(219) 348-1985 / (219) 348-1983
Dave Brinkhoff	Teleflex - Manufacturing Engineering Manager	(219) 348-1985 / (219) 348-1983
Rob Murchioff	Teleflex - Quality Manager	(219) 348-1985 / (219) 348-1983
Bill Foleno	Teleflex - Materials Manager	(219) 348-1983 / (219) 348-1983
Uma Perusteus	Ford - Release Engineer	(313) 290-8070 / (313) 317-4876
Phil Bruckelmeier	Ford - Engineering Supervisor	(313) 317-2346 / (313) 317-2349
Garth Boswell	Ford - Supplier Quality	(313) 248-2276 / (313) 337-5383

Build Level	Material Required Date	Quantity	Consumed		P.I.S.T %	P.I.P.C. %
			No. SCs	No. CCs		
CP	3/31/2000	23				
PPAP	12/01/00	300				
Job #1	02/01/01	YBD				

PE03-844 28995

APQP Elements	GYR Status	Focus Element	Program Need Date	Supplier Timing Date	Closed Date	Completion Initials	Remarks or Assistance Required
1) Sourcing Decision	G					LW / JB	Signed ESTA
2) Customer Input Requirements	G					AF / LP	
3) Design FMEA	R		08/15/00	08/13/00		AF / LP	Complete, need review and sign-off
4) Design Review(s)	G		On Going	On Going		AF / LP	
5) Design Verification Plan	R		05/15/00	08/06/00		AF / LP	Testing behind schedule
6) Subcontractor APQP Status	G		On Going	On Going		CDS	
7) Facilities, Tools, and Gages	G		10/18/00	10/18/00		MF / DB	
8) Prototype Build Control Plan	R		03/31/00	08/02/00		RC	need review and sign-off
8) Prototype Builds - CP MRO	G		08/31/00	03/31/00		RC	
10) Drawings and Specifications	G		04/16/00	04/16/00		AF / LP	
11) Team Feasibility Commitment	G		03/31/00	03/31/00		CFT	
12) Manufacturing Process Flow Chart	G		10/19/00	10/19/00		MF / DB	
13) Process FMEA	G		10/19/00	10/19/00		MF / DB	
14) Measurement Systems Evaluation	G		09/01/00	09/01/00		MF / DB	
16) Pre-Launch Control Plan	G		08/01/00	08/01/00		RC / RM	
18) Operator Process Instructions	G		10/19/00	10/19/00		RM / MF	
17) Packaging Specifications	G		08/25/00	08/25/00		MF / BF	
18) Production Trial Run	G		10/17/00	10/17/00		MF / RM	
16) Production Control Plan	G		10/17/00	10/17/00		RM	
20) Preliminary Process Capability Study	G		10/17/00	10/17/00		MF / RM	
21) Production Validation Testing	G		11/24/00	11/24/00		MF / AF	
22) Production Part Approval (PSW) - Interim	G		11/01/00	11/01/00		RM	With an Alert - Less PV Testing
22) Production Part Approval (PSW) - Full	G		12/01/00	12/01/00		RM	
23) PSW Part Delivery at MRO (Interim)	G		11/01/00	11/01/00		RM / BF	With an Alert - Less PV Testing
23) PSW Part Delivery at MRO (Full)	G		12/01/00	12/01/00		RM / BF	

COMMENTS:

PWS-04 2/2000

Bauckelaers, Phillip (P.R.)

From: Hudson, Lou - Troy [mailto:ludson@TFXAuto.com]
 Sent: Wednesday, September 27, 2000 7:48 AM
 To: 'Petrauskas, Lisa (L.E.); Evangelista, Elio - Troy; Hudson, Lou - Troy; Mays, Janlene - Troy
 Cc: Bauckelaers, Phillip (P.R.)
 Subject: RE: pmt meeting

Could we meet in the Atrium?

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

From: Petrauskas, Lisa (L.E.) [mailto:lpetra@ford.com]
 Sent: Wednesday, September 27, 2000 7:31 AM
 To: 'btailler@tfxauto.com'; 'evangelista@tfxauto.com';
 'ludson@tfxauto.com'; 'jmays@tfxauto.com'
 Cc: Bauckelaers, Phillip (P.R.)
 Subject: pmt meeting

Meeting at 9:30.
 We lost our conf. room so lets meet at my desk.
 I will look for a conf. room.

Agenda:

- Containment Plan for motor bracket
- Containment plan for memory sensor
- Timing for 2001 & 2002
- Status of 2003 parts - AP3 is 10/2

LATE -

Handwritten notes:
 PSW 12/11
 HTFB } members
 IPP
 4/1 - PGW New for 2001 aut.
 Bulk Trial Today
 100,000 parts
 PV Rev - 10/10 - 10/10
 RATE Rev 11/10
 IN THE PARTS
 PSW Hi Volume - 11/10/00

- NEED AUTHORIZATION BY FRIDAY -
- FINALIZE DESIGN - BULK INSTALLATION
- HTFB -

9/27/2000

PE83-844 28587

2001
12/1/00 PSW 1ST TOOL 2 BRACKS w/o MSOM
2 HCL62

2002
2 BRACKS w/MEMORY 2/12/01 FIRST TOOL

12/15/00. TRIAL

12/11/00 HTFB

12/20/01 ADDER STARTER
JOB #1

3/05/00 IPP

4/1/01
PSW
2ND TOOL

5/01 FEU

6/4/01 IB

7/01 CB

8/01 JOB #1

9/01 PSW
2ND TOOL

Design Review 3/8/01

Teleflex Automotive – U137/P131 Adjustable Pedals

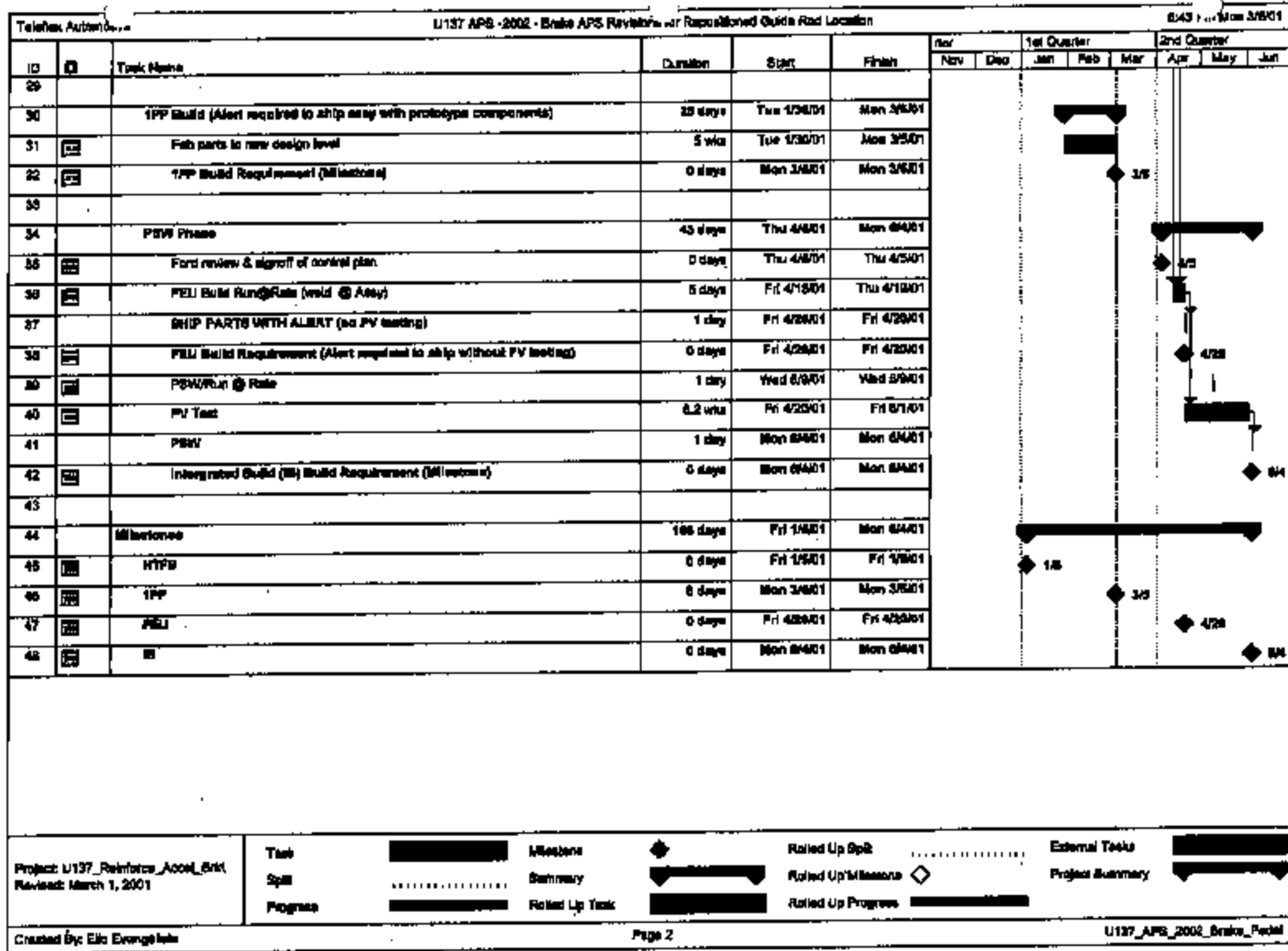
Timing

- ◆ **1PP parts built and ready for shipment. As of yesterday afternoon, the production releases were not correct and we are waiting for correction.**
- ◆ **FEU timing on track for 4/19/01 shipment (Program need date = 4/20/01).**
- ◆ **300 piece run at rate scheduled for FEU build on track.**
- ◆ **PSW timing of 6/4/01 on track.**

DV Testing

- ◆ **Life testing scheduled completion 3/30/01. Approximately 70% complete.**
- ◆ **Impact test (Drop) complete. Accelerator pedals met acceptance criteria.**
- ◆ **Accelerator Load/Deflection test complete. Accelerator pedals met acceptance criteria.**
- ◆ **Accelerator Overload test complete. Accelerator pedals met acceptance criteria.**
- ◆ **Brake Structural test complete. Brake pedals met acceptance criteria.**
- ◆ **Brake Spike Loading test complete. Brake pedals met acceptance criteria.**

ENTIRE PAGE
CONFIDENTIAL



FEB-04 2001



Lisa Petruskas
Release Engineer
Ford Motor Company
20901 Oakwood Blvd.
Dearborn, MI 48121

February 26, 2001

RE: Adjustable Pedals for the U137/P131 program
P/N's 2C34-9F836-BA, 2C34-9T26-AA, 2C34-2450-CA, 2C34-2450-DA,
2C34-9G664-AA & 2C34-9G664-BA

Teleflex Automotive Group will not meet the required PSW date of March 5, 2001 for the above part numbers because of issues raised in concerns C11157558 and C11157559. The issues raised in these concerns caused new tooling on several components thus requiring the PSW date to slip. The new PSW date established is June 4, 2001. Teleflex Automotive Group will support 1PP and FEU builds with temporary tooling and will ship under an alert. Specific details about this plan can be followed in the attached program time lines.

If you have any questions, please contact me at (248) 616 - 3104.

Best regards,

Elio Evangelista
Program Manager - Pedal Systems
Teleflex Automotive Group

Cc: Cory Chavis

700 Stephenson Hwy.
Troy, MI 48063-1122
(248) 616-3800
FAX (248) 616-3810 or 3820
www.tbauto.com

A Division of Teleflex Incorporated (USA)

PER3-044 26511

U137 APB 2002 - Accelerator Rods R&D for Drop Test Requirements

T:01 Tue 2/27/01

Table: Accelerator

ID	Task Name	Duration	Start	Finish	Pre	1st Quarter						2nd Quarter			
						Jan	Feb	Mar	Apr	May	Jun				
1	Revised Accelerator APB Unit for Drop Test	140 days	Tue 11/28/00	Mon 04/01											
2	Concept Phase	3 days	Tue 11/28/00	Fri 12/01/00											
3	Design Phase	30 days	Tue 12/05/00	Mon 2/19/01											
4	Design new support brkt & cable restainer	2 wks	Tue 11/28/00	Mon 12/11/00											
5	Prototype new Design	3.5 wks	Tue 12/12/00	Thu 1/4/01											
6	Perform Drop Test	1 day	Thu 1/4/01	Fri 1/5/01											
7	DV Testing (10 cycle, structural)	7 wks	Tue 1/02/01	Mon 3/19/01											
8	Production Tooling Phase	84 days	Tue 1/02/01	Fri 03/16/01											
9	Steel Reinforced Plate	33 days	Mon 01/08/01	Fri 02/16/01											
10	production tooling for bracket	18 wks	Mon 01/08/01	Fri 03/02/01											
11	Tool run@P&W tool shop	0 days	Fri 01/05/01	Fri 01/05/01											
12	P&W assl. retainer from Warren to KV	1 wk	Mon 01/01/01	Fri 01/12/01											
13	Steel Cable Restainer Plate	81.3 days	Tue 1/16/01	Wed 03/07/01											
14	production tooling for cable restainer	20 wks	Tue 1/16/01	Mon 03/05/01											
15	Part build at tool shop for P&W tool	0 days	Fri 01/19/01	Fri 01/19/01											
16	Tool run@P&W steel restainer to KV	1.5 wks	Tue 01/23/01	Wed 02/07/01											
17	Acetal Plastic Bracket	24.5 days	Tue 01/23/01	Mon 02/19/01											
18	Revise Plastic Accl bracket	3.5 wks	Tue 1/23/01	Fri 1/26/01											
19	Tool run@P&W to KV	3.1 wks	Mon 01/29/01	Mon 02/19/01											
20	Weld Equipment	78 days	Thu 02/01/01	Mon 03/26/01											
21	Revise existing Weld Equipment	13 wks	Tue 1/2/01	Mon 02/26/01											
22	Debug all assembly equipment in KV	1 wk	Tue 02/06/01	Mon 02/06/01											
23	Assembly Equipment	80.8 days	Fri 01/26/01	Thu 01/25/01											
24	Revise existing Assembly Equipment	11 wks	Fri 01/26/01	Fri 02/23/01											
25	Build new assembly equipment	11 wks	Fri 01/26/01	Fri 02/23/01											
26	Debug all assembly equipment in KV	1.3 wks	Thu 01/25/01	Thu 01/25/01											
27	HTFB	1 day	Thu 01/25/01	Fri 01/26/01											

Project: U137_Resubmit_Accel_Unit
 Revised: February 27, 2001

Task: Milestone: Rolled Up End: External Tests:
 Roll: Summary: Rolled Up Milestone: Project Summary:
 Progress: Rolled Up Task: Rolled Up Progress:

PER3-014 20012

Create by: Bill Everglate

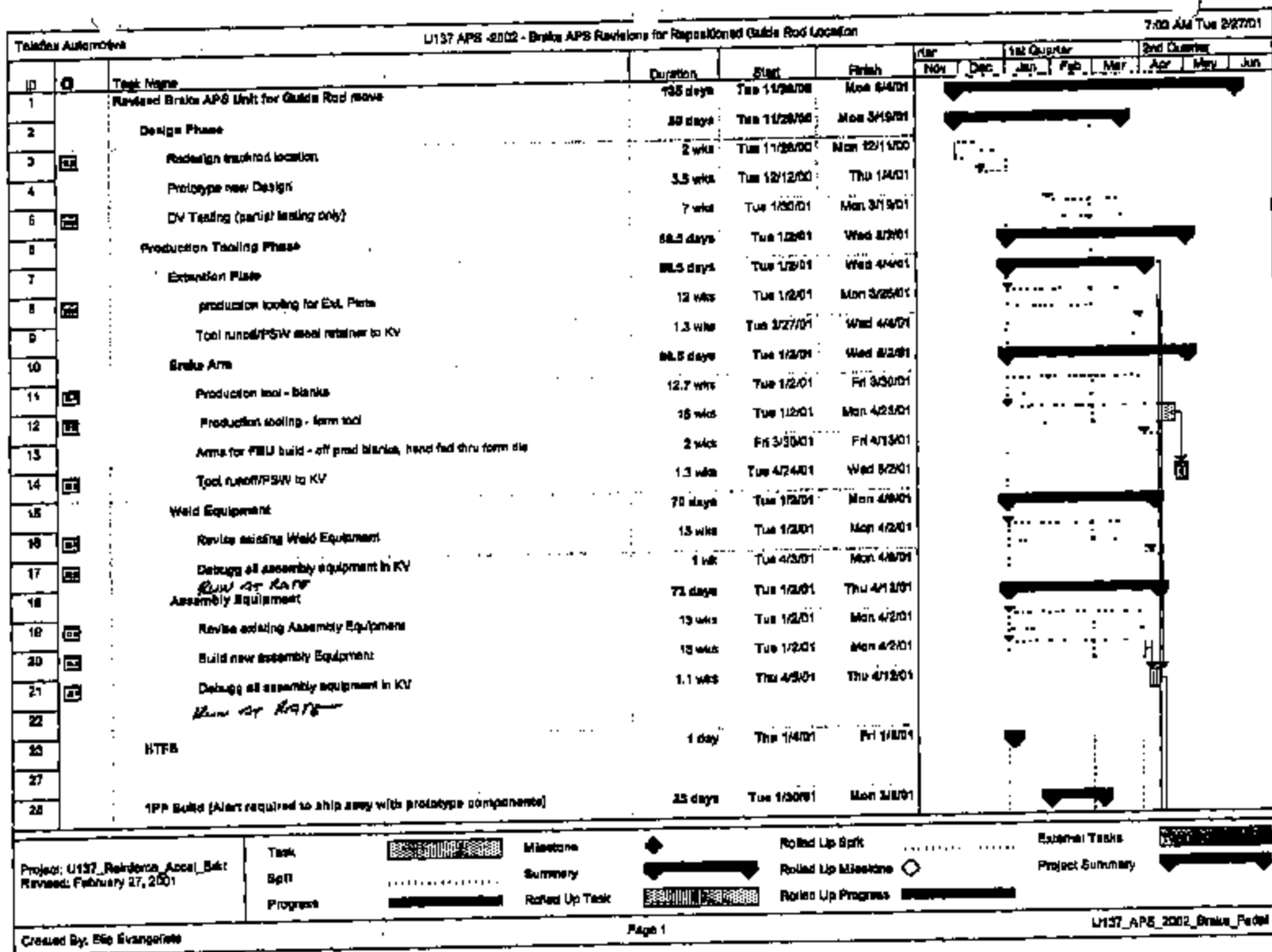
Task Name		Duration	Start	Finish	May	Jun	1st Quarter	2nd Quarter				
ID	Task Name	Duration	Start	Finish	May	Jun	Jan	Feb	Mar	Apr	May	Jun
36	1PP Build (Alert required to ship away with prototype components)	31 days	Mon 1/22/01	Mon 04/01								
38	Use new level plastic bracket (Item 30)	1 day	Mon 1/22/01	Mon 1/22/01								
37	Use parts to new design level (using prototype hardware & bria support)	8 days	Tue 1/30/01	Mon 3/26/01								
39	1PP Build Requirement (Milestone)	0 days	Mon 3/26/01	Mon 3/26/01								
40	1PP Build Phase (Alert required to ship away with prototype components)	17 days	Fri 4/13/01	Mon 04/01								
41	1PP Build Run (will require prototype steel reinforcement plate)	9 days	Fri 4/13/01	Thu 4/19/01								
42	SHIP PARTS WITH ALERT (no PV testing)	1 day	Fri 4/20/01	Fri 4/20/01								
43	1PP Build Requirement (Alert required to ship parts with PV testing)	0 days	Fri 4/20/01	Fri 4/20/01								
44	PVWRun @ Risk <i>IPD - 4/23/01</i>	0 days	Wed 3/28/01	Wed 3/28/01								
45	PV Test (w/ PV test plate)	0.2 wks	Fri 4/20/01	Fri 4/20/01								
46	PVW	1 day	Mon 04/01	Mon 04/01								
47	1PP Build Requirement (Milestone)	0 days	Mon 04/01	Mon 04/01								
48	Milestone	100 days	Fri 4/20/01	Mon 04/01								
49	1PP	0 days	Fri 1/26/01	Fri 1/26/01								
50	1PP	0 days	Mon 3/26/01	Mon 3/26/01								
51	1PP	0 days	Fri 4/20/01	Fri 4/20/01								
52	1PP	0 days	Mon 04/01	Mon 04/01								

VISIT KENDRIVILLE - WEEK OF APRIL - 2
WEEKEND

PER-044 20013

Project: U137_Rainforest_Accel_Bria Revised: February 27, 2001	Task: [Bar]	Milestone: [Diamond]	Rollup Spill: [Dotted]	Essential Task: [Bar]
	Spill: [Dotted]	Summary: [Bar]	Rollup Milestone: [Diamond]	Project Summary: [Bar]
	Progress: [Bar]	Rollup Task: [Bar]	Rollup Progress: [Bar]	

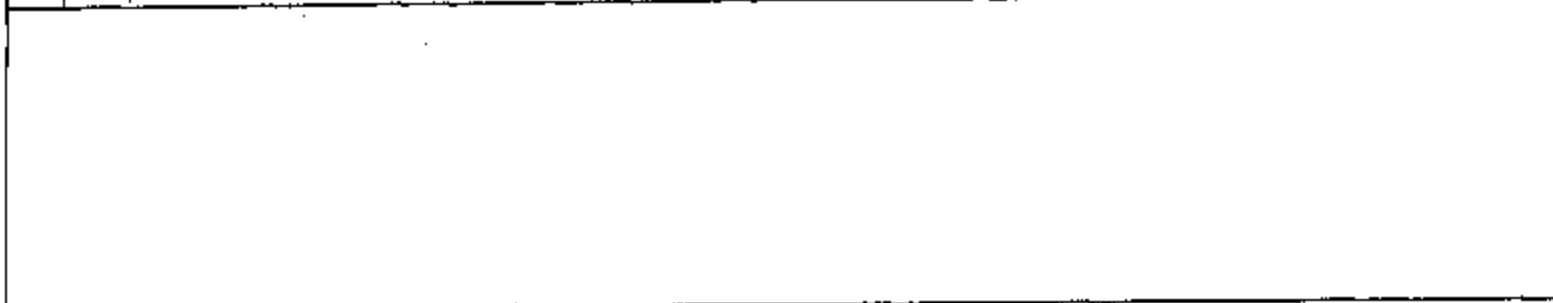
3



P003-044 2001A

Created By: Eric Evangelista

ID	Task Name	Duration	Start	Finish	Nov	Dec	1st Quarter			2nd Quarter		
							Jan	Feb	Mar	Apr	May	Jun
29	Fab parts to new design level	8 wks	Tue 1/30/01	Mon 3/5/01								
30	1PP Build Requirement (Milestone)	0 days	Mon 3/5/01	Mon 3/5/01								
31												
32	PSW Phase	27 days	Fri 4/13/01	Mon 5/14/01								
33	FEU SubRun	5 days	Fri 4/13/01	Thu 4/19/01								
34	SHIP PARTS WITH ALERT (no PV testing)	1 day	Fri 4/20/01	Fri 4/20/01								
35	FEU Build Requirement (Alert required to ship w/out PV testing)	0 days	Fri 4/20/01	Fri 4/20/01								
36	PSW Run @ Rate	1 day	Wed 5/2/01	Wed 5/2/01								
37	PV Test	0.2 wks	Fri 4/20/01	Fri 5/1/01								
38	PSW	1 day	Mon 5/14/01	Mon 5/14/01								
39	Integrated Build (B) Build Requirement (Milestone)	0 days	Mon 5/14/01	Mon 5/14/01								
40												
41	Milestone	108 days	Fri 1/5/01	Mon 5/14/01								
42	HTPB	0 days	Fri 1/5/01	Fri 1/5/01								
43	1PP	0 days	Mon 3/5/01	Mon 3/5/01								
44	FEU	8 days	Fri 4/20/01	Fri 4/20/01								
45	IS	0 days	Mon 5/14/01	Mon 5/14/01								



Project: U137_Reinforce_Azbel_Brtl
 Revised: February 27, 2001

Task: [Legend] Milestone: [Legend] Rolled Up Spth: [Legend] External Tasks: [Legend]
 50% Summary: [Legend] Rolled Up Milestone: [Legend] Project Summary: [Legend]
 Progress: [Legend] Rolled Up Task: [Legend] Rolled Up Progress: [Legend]

PERC-04 28315

Adjustable Pedals PMT Meeting

04/03/2001

IPP Issues:

Aims:

000399971: Difficulty installing foot heater duct. PDJB system, track rods, and wiring in the way.

Closed

00399974: Adj. Brake pedal spring needed to prevent brake flicker is blocking the site of the operator installing vertical fasteners. Blind Delta Fastener

00399980: Gas adj. Accelerator pedal was difficult to install. The pedal hangs down blocking right upper fastener from being installed.

Closed

00399996: Difficult to install pencil brace. Adj. Pedal track rod was blocking tool.

00400377: Adj. Brake pedal. Operator requests pedal delivered with chicken band to position pedal arm in carryover position.

- 00402205: KTP needs a different fastener to be delivered pia to adj. Pedal motor.

SD

00402834: Adj. Accelerator pedal drive cable was too short on Veh: 2EA00042. When the pedal was actuated the drive cable fell out of memory housing. This is memory pedal assembly only.

CABLE SHORT BY DESIGN - TRAIL BRD -

* Hand starting adjustable accelerator pedal is difficult

* Accelerator cable hard to install under the hood

Concerns:

C11202344: Fastener concern

C11215809: Accelerator Tie Concern

C11214998

4/3/2001 9:27 AM

FE83-844 26516

2003 Issues:

2003 MY Evidence Book Review: 1J-L62, PDC 11:00-12:00

4/6/01

Chassis reports out on April 11

Please bring to the meeting: your evidence book with DVP&R, FMEA, Test plans, Test Results, Status to deliverables, quality plan, key open issues and work plans to resolve, etc

Run at Rate: 4/13/01 - 4/19/01

MARK 2 on 18th to 19th

8D - Update for brake pivot

8D - Update for accel pedal binding

8D - Update on accelerator drive cable - memory pedal assembly

8D - 2003 AP3 pedal sticking - Need 8D - Why was there not any grease

Review timing - Is everything still on schedule - psw 6/4/01

Dunnage:

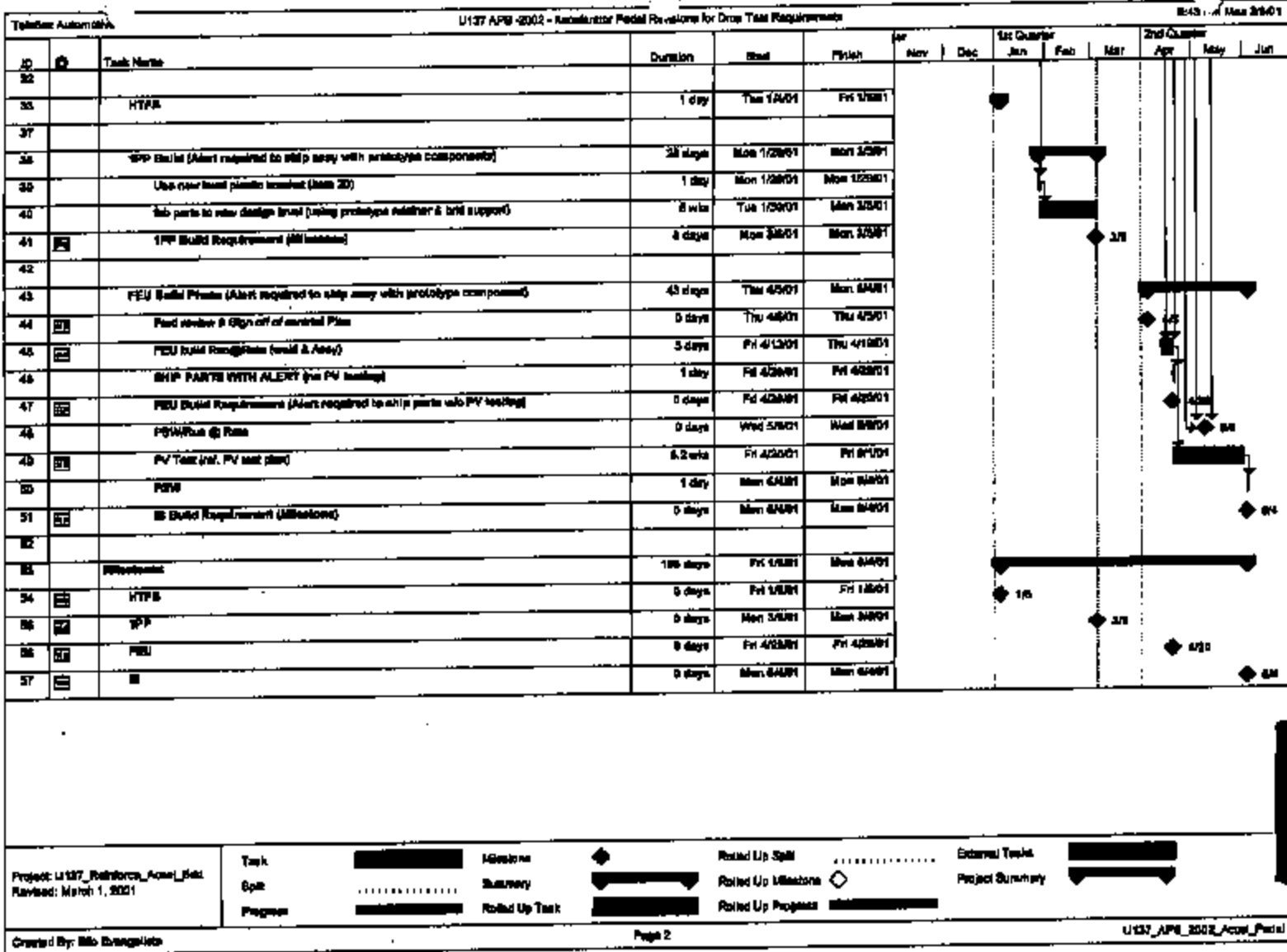
Status

- o Todd Chesna 313-323-9800
- o Peninsula Plastics

2003 Accelerator Pedal

- 2003 Concern - Tooling

What about tape for the "possible rattle"



PERC-044 2001B

ID	Task Name	Duration	Start	Finish	Year									
					Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
1	Revised Brake APB List for Guide Rod slots	196 days	Tue 11/28/00	Mon 6/24/01										
2	Design Phase	80 days	Tue 11/28/00	Mon 2/19/01										
3	Redesign trackload location	2 wks	Tue 11/28/00	Mon 12/11/00										
4	Prototype new Design	3.5 wks	Tue 12/12/00	Thu 1/4/01										
5	QV Testing (partial testing only)	7 wks	Tue 1/30/01	Mon 3/19/01										
6	Production Tooling Phase	88.6 days	Tue 1/30/01	Wed 6/20/01										
7	Extension Plate	68.8 days	Tue 1/30/01	Wed 6/20/01										
8	production tooling for Ext. Plate	12 wks	Tue 1/30/01	Mon 3/26/01										
9	Tool run@PSW steel resistor to KV	1.3 wks	Tue 3/27/01	Wed 4/4/01										
10	Brake Arm	88.6 days	Tue 1/30/01	Wed 6/20/01										
11	Production tool - blanks	12.7 wks	Tue 1/30/01	Fri 5/30/01										
12	Production tooling - form tool	16 wks	Tue 1/30/01	Mon 4/23/01										
13	Arms for FEU build - off prod blanks, hand fed thru form die	2 wks	Fri 3/30/01	Fri 4/13/01										
14	Tool run@PSW to KV	1.3 wks	Tue 4/24/01	Wed 5/2/01										
15	Weld Equipment	78 days	Tue 1/30/01	Mon 4/16/01										
16	Revise existing Weld Equipment	13 wks	Tue 1/30/01	Mon 4/2/01										
17	Debug all assembly equipment in KV	1 wk	Tue 4/3/01	Mon 4/9/01										
18	FEU Weld Run@Rate	5 days	Tue 4/10/01	Mon 4/16/01										
19	Assembly Equipment	78 days	Tue 1/30/01	Thu 4/19/01										
20	Revise existing Assembly Equipment	13 wks	Tue 1/30/01	Mon 4/2/01										
21	Build new assembly Equipment	13 wks	Tue 1/30/01	Mon 4/2/01										
22	Debug all assembly equipment in KV	1.1 wks	Thu 4/5/01	Thu 4/12/01										
23	FEU Assembly Run@Rate	3 days	Tue 4/17/01	Thu 4/19/01										
24														
25	HTNS	1 day	Thu 1/4/01	Fri 1/5/01										

Project: U137_Revisions_Accel_Brkt
 Revised: March 1, 2001

Task: [Symbol] Milestone
 Split: [Symbol] Summary
 Progress: [Symbol] Rolled Up Task

Rolled Up Split: [Symbol]
 Rolled Up Milestone: [Symbol]
 Rolled Up Progress: [Symbol]

External Tests: [Symbol]
 Project Summary: [Symbol]

P100-844 26528

• CONTACT RICHARD STANTON ON PENINSULA

Adjustable Pedals PMT Meeting

02/13/2001

Motor PSD DATE - 6/4/01 -
NEED ES ADDED
TO MOTOR DRAWING



Review timing - Is everything still on schedule - per 6/4/01

Open issues:

- Dunnage: Status
 - o Todd Chesna 313-323-9800
 - o Peninsula Plastics
- Illustrations for Richard Stanton Status:
- Ford fastener group status - Self-tapping hex head screw
- Run at Rate - What is the date? - Would like to revise note:
 - o Brake plan is good
 - o Accelerator pedal:
 - 300 pieces through sensor line
 - 300 pieces through welding operation
 - 300 motors
 - 200 diesel/100 gas through assembly line is ok.

TORQUE TEST PARTS
FOR TOMORROW

- Vehicle 310W330 Status: still having trouble with getting the memory pedals to function. Jerry McDaniel 313-248-1555

OTG - Open to Go - status - Elio

OPEN - TO - GO IS HELD DAILY FROM 8:30-9:30 IN ROOM 2A-B22 AFTER CHANGE CONTROL.

Noisy pedals

- Status of 6-Sigma
- Who is the new 6-sigma person
- New process for checking pedals

WHAT IS NOISE PERMIT? SAME AS WINDSTAR
CONTROL PLAN -

- 8D - Update for brake pivot
- 8D - Update for accel pedal binding

2003 Accelerator Pedal

- 2003 Concern - Tooling

HTFB: Trials needed before 1PP.

- Motor installation trial
- Foot warmer duct/wiring trial - Excursion is in Dearborn - Feb 14 - Feb 19

2/13/2001 9:00 AM

Adjustable Pedals PMT Meeting

11/21/2000

Issues:

Concerns:

- C11157559 - Accelerator pedal broke when dropped
- C11157558 - BOO switch wiring interferes with accel pedal
- C11159105 - Pedal are interfering with mounting bracket
- C11157564 - Clearance between heat duct & accel track rod
Demolish Tank Floor
- C11162259 - Accel pedal binds causing high idle speed
BRACKET ADD TO IP - DUCT CHANGE
- C11159112 - Brake arm loose Motor Pigtail
- Noisy pedals
- IP decking tool

- STEEL CABLE RESTRAINT

- 9/21/01 PSW

- ADD METAL RIBS
9/21/01 PSW -

- ADD RIBS FOR ETC

- 2/2/01

DV TESTING COMPLETE
JANUARY

CLOSE TO 7559

VERIFICATION IN DESIGN PHASE

CURRENT STACK

28 mm CLEARANCE

6 mm MINIMUM

CLEARANCE - STACK UP TO BE PROVIDED BY ELECTRIC

- Tolerance stack for BOO switch
- Set up weekly meetings ????
- 8D - Update for brake pivot - 11/16/00
- 8D - Update for accel pedal binding - 11/16/00
- Run at rate date - end of November
- 2001-2 drawing with cut out
- New pedal in design aid - motor pigtail length
- Memory pedals - status on parts
- Telex to support breadboard KTP (contact: Anne Marie Holmes) - 12/19/00 - 12/20/00
- HTFB - 1/8/01 - 1/13/01

NEW BUSHING 109 mm CLEARANCE

STACK .01 mm INT.

UN93 - 105 mm

STACK .10 mm INT.

FREE SWING AT END OF CABLE

AP3 - Parts update

Idea's drawing for diesel accelerator pedal? 11/16

NOTE TO PURCHASING / VON DOWN ON COST FOR DUCT

TEST

11/21/2000 11:11 PM

PER3-844 25525

Adjustable Pedals Issues Meeting

11/16/2000

Richard E. [Signature]

Issues:

Concerns:

- C11157559 - Accelerator pedal broke when dropped
FMEA meeting set up for Monday - 8:30 - 12:00 at FTDC.
- C11157558 - BOO switch wiring interferes with accel pedal
Review brake model. Glide-arm & switch have 6mm of clearance.
- C11162259 - Accelerator pedal binds causing high idle speed
Review 8D
- C11159112 - Brake arm loose
Review 8D
- C11157564 - Clearance between heat duct & accelerator track rod
Review clearances in design-aid.

OFF TIME DEX
MONDAY 2/27/00
DESIGN CHANGE REQUIRED
MONDAY
QUALITY NEED
ROOT CAUSE
PROTOTYPES
VERIFICATION
EXCESSIVE LASH
BUSHING CHANGES

Vehicle testing update:

308W836 (gas F250): LT10 testing in December.
302W149 (diesel F250): LT26 testing scheduled 11/27
LT10 testing in December

Durability Update:

2002 Trucks	
310W320 Excursion	25% complete
310W321 Excursion	17% complete
310W319 Excursion	25% complete
Cost Reduction Trucks	
516W059 F350	44% complete
516W720 F350	67% complete
516W721 F350	41% complete
516W687 Excursion	44% complete

SENSOR DURABILITY
-1

11/16/2000 9:53 AM

PE83-844 26529

2002 F121AJ137 DURABILITY VEHICLE TEST STATUS

VEHICLE	MODEL	TEST START	TEST COMPLETE	TEST PROCEDURE	% COMPLETE	REMARKS	PROGRAM CONTENT
2002 MY F121AJ137							
310W320	FORD SUPER CAR 187 402 S.E. 16,000	5/28/00	2/6/01	R318C, R319B, R320	38		ELECTRICAL & INTERIOR TRIM
310W321	FORD OLIVE CAB 170 402 S.E. AUTO 17,000	9/22/00	1/24/01	20A, R320, R318C, R319D	40	VEHICLE SCHEDULED TO RUN R320 FIRST TO PROVE OUT SLIDE CONVENTIONAL TRAILER TOW	ELECTRICAL & INTERIOR TRIM
310W322*	FORD SUPER CHARGE CAB 167 402 1.3L MS 17,000	6/28/00	2/11/01	R318C, R319B, R320	7		AIR SUSPENSION & NEW FUEL TANKS
310W323	FORD SUPER CHARGE CAB 167 402 S.E. MS 17,000	8/28/00	4/30/01	20A, R320, R318C, R320G, R319B	23	VEHICLE RUNNING R320 & R319B FIRST TO PROVE OUT S.E. WASH	S.E. WASH & SUPER CHARGE CAB
310W324*	FORD OLIVE CHARGE CAB 170 402 DASH S.E. MS 16,000	6/21/00	5/28/01	R318C, R319B, R320, R319B, R320J	2	VEHICLE HAS FORD PICKUP BOX & AIR SUSPENSION	AIR SUSPENSION & FORD PICKUP BOX
310W325	FORD WAGON 177 402 S.E. AUTO 16,000	8/28/00	1/24/01	20A, R320, R318C, R319B	33	VEHICLE RUNNING R320 FIRST PENDING APPROVAL OF "SMOKEHOUSE LAMP" & REVERSE DVD BRACKET FOR STRUCTURE PROVE OUT	SMOKE ENCLOSEMENT CONTENT DVD, SLID BUCKET SEATS, ... ETC
310W327	FORD SUPER CAR 187 402 S.E. MS	11/15/00	5/15/01	R318, R320, R318C, R320G	6	VEHICLE RUNNING TO PROVE OUT S.E. WASH	S.E. WASH MANUAL TRANSMISSION

TEST PROCEDURE IN BOLD INDICATES TEST PROCEDURE VEHICLE IS CURRENTLY RUNNING
 * INDICATES VEHICLE HAS AIR SUSPENSION
 1) Vehicle ran R320 with air suspension then it was converted to regular production rear leaf springs to run structure to prove out the design.
 2) Vehicle is scheduled to be completed with structure testing on 1/28/01

- TEST PROCEDURES**
- R318C STRUCTURES - CURB (402)
 - R319D STRUCTURES - DUVV (402)
 - R320G STRUCTURES - CURB (402)
 - R320J STRUCTURES - DUVV (402)
 - R320 TRAILER TOW
 - R319 POWERTRAIN
 - 20A ENGINE BREAK IN
 - R320 BENCH IMPINGEMENT
 - 20A PITCHOLE
 - P4-05 BRAKE SPACE STOP
 - P4-77 SLIDE FOR LIFE

LATEST MODEL BUT
LATEST
FSSD 7.3L AUTO
AUTO - 80% COMPLETE
- UPDATE 319 WITH APPROXIMATE EXTEND MILEAGE?
- COST REDUCTION STATUS

ELIUSKA
PANORAMA
DUNALL

PERC-044 285330

Adjustable Pedal
 Brite
 Mini-Trip at R/T 10/17/2000

Area/Issue	Current/Action	Issue with previous	Concern Ref	Cost	Phase Timing	Notes/Comments	Supplier	Vehicle	R/F/B
Accel - (Dashed)	Push down (working with securing bracket when pedal is adjusted in the full forward position and at INCT.		C11159508	0	YLS	Add cut-out to mounting bracket to allow full stroke of pedal. DV testing will be complete on 12/1/00.	Talbot	P131U132	Y
Accel - (Dashed)	Accelerator pedal (which when stepped from a height of approx. 3 feet. The outboard shock absorber was stepped when the accelerator was dropped. This would be the source of pedestrian's scrap in the plant. Also concern that damaged parts will get involved.		C11157640			Under investigation - Current pedal is 13% overglass. Pedals do not pass the drop test specified in the S&L. Talbot will report out on system failure modes which are required by impact damage which could result from mis-handling of pedals.	Talbot	P131U131	R
Brake Light Switch (BLS)	Switch wiring can contact brake pedal track rod. Wiring will not get chafed on track rod when adjusting pedal position or applying the brake.		C11167348	T&O	T&O	Under investigation - CAD shows wiring interference. Downstream team should maintain clearance 12 mm. Brain relief cap under investigation to provide wiring clearance.	AFL/Polab/Talbot	P131U137	R
Rest Seat (Dashed & Gas)	Clearance between rest seat and Accel. Track rod is tight when the pedal side is full depressed.	Difficult to install rest seat on metal grill with adjustable pedal installed. Duct was broken on mating assembly.	C11167349			New duct designed to fit with adjustable pedal. CAD shows that there is 17 mm between pedal-assembly and rest seat. Prototype duct provided for trial run.	Leary/Talbot	P131U137	Y
Brake - gas	Brake worn in lower 40% of pedal on brake assembly in vehicle. Some pedals are very solid and other pedals are loose. - (Rattle problem)		C11159412			Prototype duct provided for trial run.	Talbot	P131U137	Y
Noise, Vehicle	Noise testing conducted in vehicle by RVT Indicate system does not meet noise target. Samples will be 6 sec measurement in-vehicle and 0.10 buckets. P131U137 the maximum is between 8-11 cps and fluctuation is between 0.08 & 0.14.					6-sec project at Talbot. Computing time programs in P131U137. RVT to provide data on other vehicles for comparison to determine if improvements are required.	Talbot	P131U137	Y
Wiring - (Dashed & Gas)	Wiring for connecting the accel pedal motor signal wires, changed to composite F-buses and location and improve assembly and package.		C11137502	T&O	12 weeks	Review IP wiring and motor plug to allow 2-way connector in a new hole that was added for P215.	AFL	U137	0
IP wiring out		The upper and lower detail to right side cable upon access from the vehicle and to accelerator pedal.				A test on current IP wiring process to determine an alternative stop position for the shift cable will be performed.	VO	U137/P131	Y

16855

FRS-044 20004

ADA TRIAL USE ONLY
 (Restrict)

Date Created: 10/20/00
 Date Revised: 11/1/2000
 Time Printed: 3:27 PM

LAST LINE NO 5077

USING B-SPLINES >ON OFF

PRT=CP-F818-180102-14401STUDY ST DFLT5
PRT131 BRNDR MODAL SWING STUDY
PIC=WIRING

MODIFY MENU

MACRO OPTIONS

2200

2100

Z
X Y

View Center: X= 2202.256 Y= -545.594 Z= 2143.538
View: RV
Scale: X= 2.186 Y= 2.186 Z= 2.186
[ALSBRBY 0021120] 14:04:43

[SELECT LINE]

NO. LABEL LIST

[SELECT SURFACE]

NO. LABEL LIST

[SELECT SUB-PART]

NO. LABEL LIST

[SELECT SOLID]

NO. LABEL LIST

PICTURE OPERATIONS

PURGE FROM PART

ADD INTERSECTIONS

[CREATE]

LINE SURF SUBPRT

SOLID LIGHT

REORIENT DROP

CUT TRIM SPLIT LABEL

MULTI-LINE OPTS

PROCESS DATA

COLOR ENT ASSOC

GEOFIT MATERIAL

FORMAT OPERATIONS

DATA COLLECTOR

DATA I/O

APPL:

2.09 INTERFER.

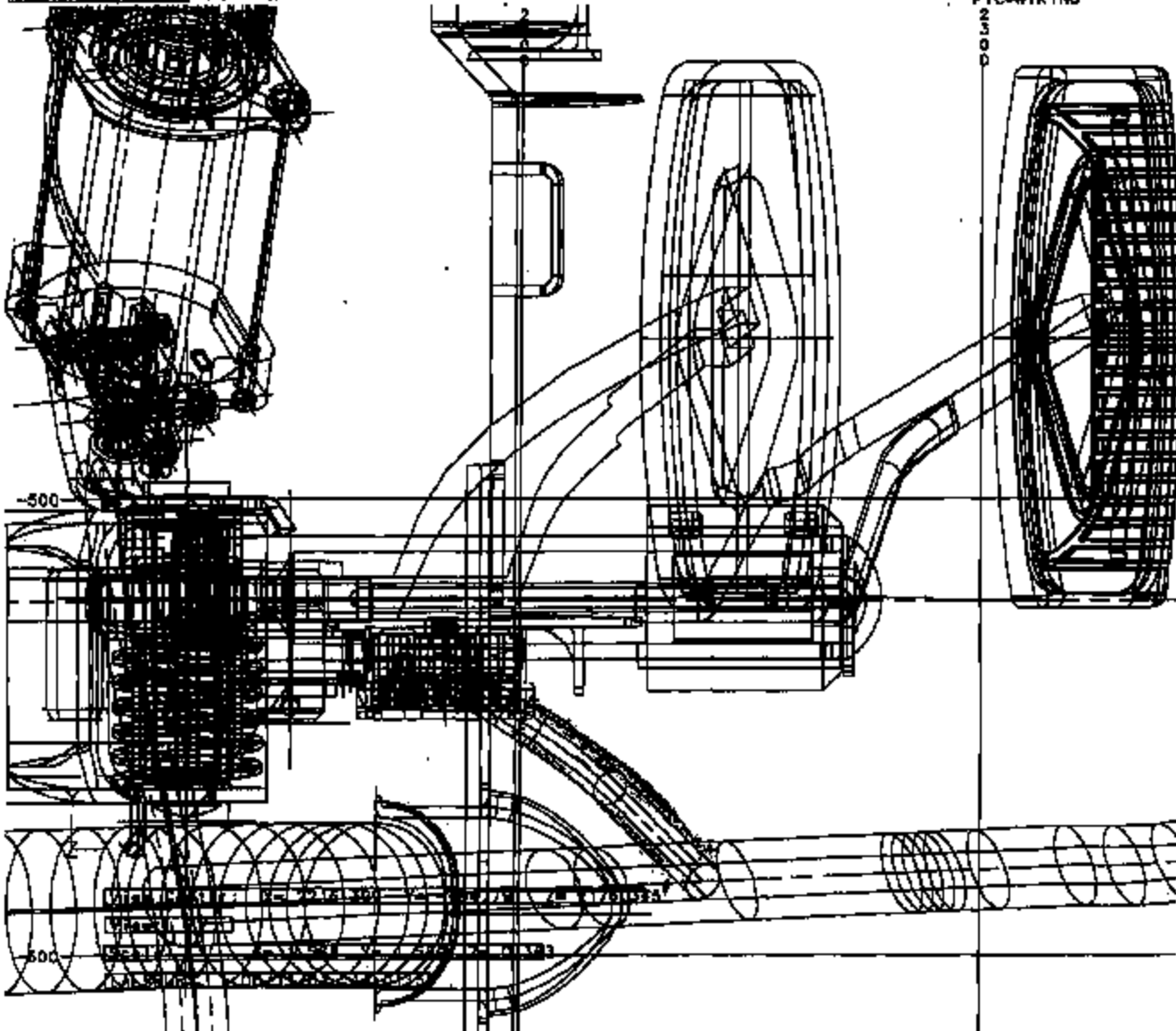
PEN-044 25035

LAST LINE NO. 5077

USING SPLIT >ON OFF

PRT=CP-FB1B-180102-14401STUDY S* DE DFLTS
PART31 BRAKE PEDAL BRING STUDY
PIC=WIRING MODIFY MENU

MACRO OPTIONS



- SELECT LINE
- NO. LABEL LIST
- SELECT SURFACE
- NO. LABEL LIST
- SELECT SUB-PART
- NO. LABEL LIST
- SELECT SOLID
- NO. LABEL LIST
- PICTURE OPERATIONS
- PURGE FROM PART
- ADD INTERSECTIONS
- CREATE
- LINE SURF SUBPRT
- SOLID LIGHT
- REORIENT DROP
- CUT TRIM SPLIT LABEL
- MULTI-LINE OPTS
- PROCESS DATA
- COLOR ENT ASSOC
- GEOFIT MATERIAL
- FORMAT OPERATIONS
- DATA COLLECTOR
- DATA I/O
- APPL:

-500

500

PED3-044 28238

LAST LINE NO. 5077

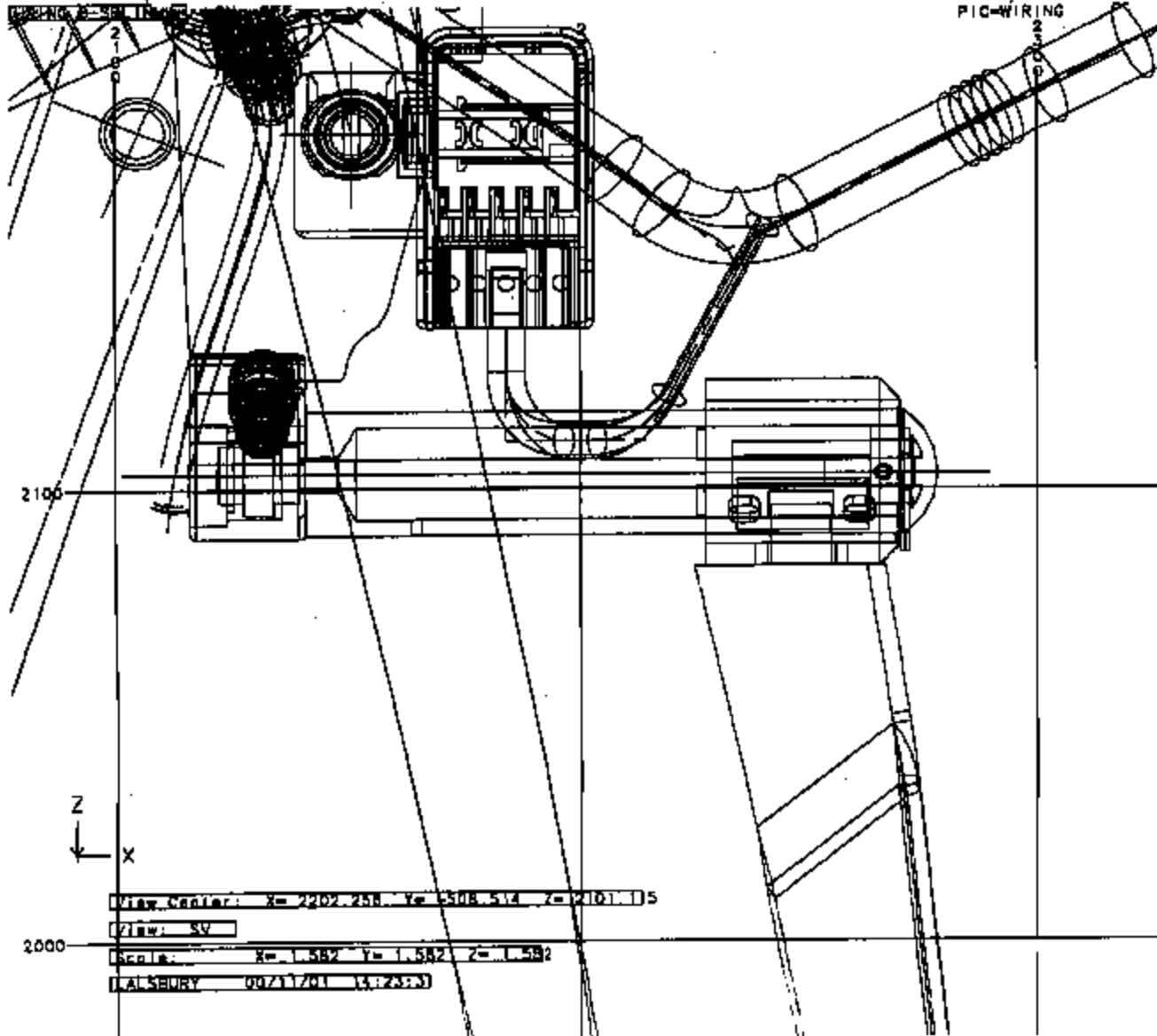
PRT=CP-FB1E-180102-14401STUDY ST: DFLTS

FR131 BRAKE PEDAL SWING STUDY

PIC=WIRING

MODIFY MENU

MACRO OPTIONS



SCREENING

NO. LABEL LIST

SELECT SURFACE

NO. LABEL LIST

SELECT SUBPART

NO. LABEL LIST

SELECT SOLID

NO. LABEL LIST

PICTURE OPERATIONS

PURGE FROM PART

ADD INTERSECTIONS

CREATE

LINE SURF SUBPRT

SOLID LIGHT

REORIENT DROP

CUT TRIM SPLIT LABEL

MULTI-LINE OPTS

PROCESS DATA

COLOR ENT ASSOC

GEFIT MATERIAL

FORMAT OPERATIONS

DATA COLLECTOR

DATA I/O

APPL:

2100

Z
X

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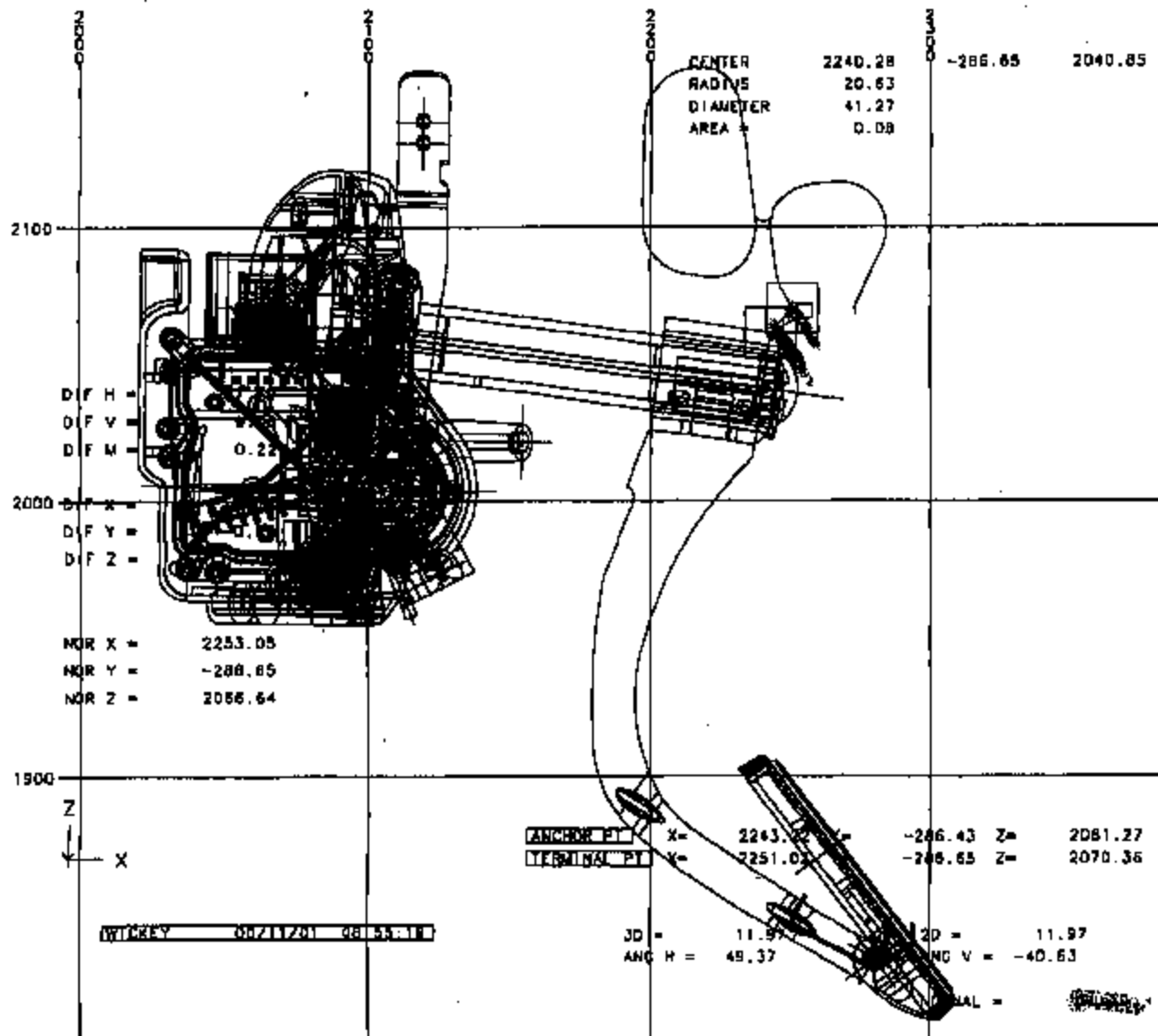
View: SV

2000

Scale: X=1.582 Y=1.582 Z=1.582

LALSHURY 04/11/91 11:23:00

PBR3-044 20837



WIFY MENU

MACRO OPTIONS

CENTER 2240.28
 RADIVS 20.63
 DIAMETER 41.27
 AREA 0.08

SELECT ANGLE POINT

FROM LINE

NO. LABEL LIST

FROM SUBPART

NO. LABEL LIST

DETECT

ANCHOR PT

TERMINAL PT

NEXT NORMAL

ANG. BTW. LINES

ABACUS

S1 = 0.00
 S2 = 0.00
 S3 = 0.00
 S4 = 0.00
 S5 = 0.00
 S8 = 0.00

DEC. ACCURACY

>? 3 4 5 6

ANGLE MODE

DEG/MIN/SEC >DEC

RETURN

MAIN OCT

PERS-944 28328

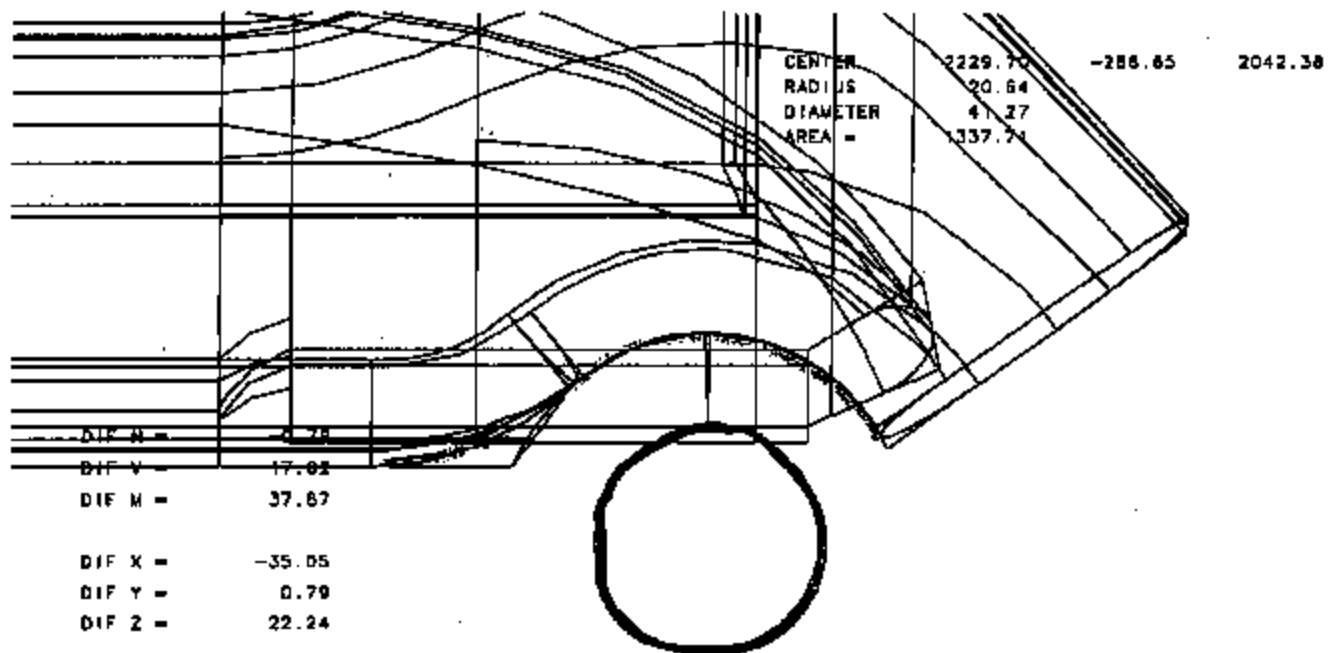
WIKKEY 00711701 08 53:10

END

ENTIRE PAGE
CONFIDENTIAL

MODIFY MENU

MACRO OPTIONS



SELECT TARGET LINE

DR

SELECT SUBPART

DIF H = 0.79
 DIF V = 17.02
 DIF M = 37.67
 DIF X = -35.05
 DIF Y = 0.79
 DIF Z = 22.24

NOR X = 2197.59
 NOR Y = -286.65
 NOR Z = 2085.02

0.00
 0.00
 0.00
 0.00
 0.00
 0.00



ANCHOR PT X= 2232.64 Y= -286.43 Z= 2082.80
 TERMINAL PT X= 2197.59 Y= -285.64 Z= 2085.04

ALSHURY 0021201 14-11-00

3D = 41.52
 ANG H = -87.35

2D = 17.03
 ANG V = 2.65

NORMAL =

RETURN MAIN

PERI-BAK 28530

Syde wants chassis recommended

Approved by: ALMA LIM
Date: 10/17/2000

on what to do next.

#	Brake/Act	Issue with part	Issue with process	Concern Nbr	Cost	Timing	Containment Plan	Supplier	Vehicle
1	Accel - Gas/Clutch	Pedal arm interfering with mounting bracket when pedal is adjusted to the full forward position.		C11158105	7	0	0.5 hrs Add offset to mounting bracket to allow full range of motion.	Teleflex	P131A/P137
2	ACCEL - Clutch	Accelerator pedal housing out on the dash panel in forward position. When pedal is actuated it hits the freewheel, carpet & plastic bracket below it for the stop guard on the bracket. Pedal does not have full range of motion.	<i>- Continuous with fixed pedal</i>	C11187587	7	TBD	1. Add pivot in the bracket so pedal will stop correctly on pedal stop. 2. Investigate correct routing. 3. Investigate modifying pedal stop guard design.	Teleflex	P131A/P137
3	Accel - Gas/Clutch	Accelerator pedal broke when dropped from a height of under 3 feet. The outboard mount attachment was damaged when the accelerator was dropped. This would be the source of production defect in the plant.	<i>- Need to invest prod test</i>	C11187388	7	7	Under investigation - Current pedal is 15% stronger	Teleflex	P131A/P137
4	Accel - Gas	Pedal arm weak not blocking the upper tab-rod hole.	Making it difficult to install the bolt in the pedal going down the line.	C11187388	7	7	Under investigation - Tissue felt this could be solved with the use of a yardline. Or, have top inboard hole same size to the assembly.	Teleflex/VO	P131A/P137
5	ACCEL - Clutch		Shocking if pedal inner bearings more difficult with adjustable pedals due to track-rod interference.	C11187388	7	7	Issue could be resolved with the proper extension on the pedal.	VO	U137
6	Brake - Wiring (Dash & ECU)	Motor signal is tight on U137. The 2-way connector is located on the right side of the pedal base.		C11187682	7	7	Locate 2-way connector in a different location. AFL discovered a hole that was implemented by H215 in the dash and seen by electrical. AFL is investigating to see if self. Pedals program can use the hole.	AFL	U137
7	Brake - Wiring (Dash & ECU)	Motor signal is loose on P131. The 2-way connector is located on the left side of the pedal-base. There is some slack in the wiring. On the closed vehicle the motor wire breaks the ETC connector wire.		C11187682	7	7	Locate 2-way connector in a different location. AFL discovered a hole that was implemented by H215 in the dash and seen by electrical. AFL is investigating to see if self. Pedals program can use the hole.	AFL	P131
8	Brake - Problems	Brake eye is loose at pivot point. Some pedals are very tight and other pedals are loose. - Rattle pedals	<i>ED FOR YARD AS THE BEARING</i>	C11188112	7	7	Under investigation	Teleflex	P131A/P137
9	Brake (Clutch & Gas)		When installing brake pedal the operator is showing in the motor-eye upside-down 676 376.	C11187688	7	7	"Right the current process." Except the track and stay side control eye is this operation.	VO	U137
10	Brake Light System (ECC)	Switch wiring is very close to track rod arm. When the track rod arm travels past the connector the wiring it touches.		C11187688	7	7	Under investigation - Need to change connector so wiring can be re-routed.	AFL/Teleflex	P131A/P137
11	IF mounting		The new end effector detail caught the shift cable upon a grease from the vehicle and hit accelerator pedal	C11187688	7	7	A trial on current IF dialing process to determine an alternative slow pedal for the shift cable will be performed.	VO	U129P131
12	Brake		Switch actuated if when operator uses to install a U137E-6066.	C11187688	7	7	Under investigation	VO	U137
13	Heat Cover (Vehicle) - (Dash & Gas)	Clearance is tight in a small area when track rod arm is full retracted. Difficult to install an OEM unit. End was broken @ steering assembly.		C11187684	7	7	CAD stud looks good. Tolerance study needs to be done.	Luert	P131A/P137
14	AS Air Pedals	Brake and Accelerator pedal are noisy		C11187684	7	7	Engine protect at Teleflex	Teleflex	P131A/P137
15	Track Rod		Long Electrical Check - Taking between 6-10 seconds for setup for to cycle pedal in forward position.	C11187684	7	7	Under investigation	VO	P131
16	Clutch Slave	Need to determine length of Adj. Pedal master signal.		C11187684	7	7	Under investigation	Teleflex/AFL	P131A/P137

FEED-044 2000

ADJ_TRIAL_ISSUES.xls
(internal)

Date Created: 10/20/2000
Date Revised: 10/20/2000
Time Printed: 3:30 PM

Petrauskas, Lisa (L.E.)

From: Buss, Stephen (S.D.)
Sent: Saturday, October 21, 2000 9:18 PM
To: Petrauskas, Lisa (L.E.); Bouckelaere, Philip (P.R.); Reed, Bill (B.P.); Patel, Tej (.); Patel, Bharat (B.C.); Ickes, Bill (B.K.); McCraery, Buster (B.C.); Wagner, Jesse (J.E.); Roberts, George (G.); Coates, Sharon (S.A.); Stanton, Richard (R.A.); Shaw, Richard (R.F.); Stahley, Steve (S.T.); Wendel, Rod (R.H.); Pellus, Terence (T.E.); Charland, Alex (A.J.); Walsh, Thomas (T.J.); Rank, John (J.A.); Kobus, Jack (J.M.)
Subject: Adjustable Pedal Trials

On Tuesday and Wednesday 10/17-10/18 an adjustable pedal trial was conducted at KTP. The trial consisted of four vehicles, two P131s and two Excursions. Each vehicle was built on line and sent through the plant system.

Several issues were observed and captured, here is a brief summary of what issues were found: (note P=Process and D=design)

1. (P/D) Difficult to hand start accelerator screw. Team felt this could be solved with the use of a yankee. An alternative solution would be to have the top inboard bolt come via to the assembly.
2. (D) CR C11157559 Accelerator pedal broke when dropped from a height of under 3 feet. The outboard most attachment was snapped when the accelerator was dropped. This would be the source of production scrap in the plant.
3. (P) The new end affector detail caught the shift cable upon egress from the vehicle and hit accelerator pedal. A trial on current IP decking process to determine an alternative stow position for the shift cable will be performed.
4. (P) Shooting IP pencil brace becomes more difficult with adjustable pedals. The team felt that this issue could be resolved with the proper extension on the socket.
5. (D) CR C11157564 Foot warmer difficult to install on diesel units. Foot warmer broken during assembly.
6. (D) CR C11157562 Assembly access to connect 2-pin motor take out difficult. AFL reviewing alternative routing.
7. (D) CR C11157557 Accelerator pedal on diesel units bottoms out on dash insulator, not reaching its full range of travel.
8. (D) CR C11157556 Boo lp wire is in hard contact with adjustable brake pedal shaft.

4P for the adjustable pedal program was scheduled for 12/12. In light of the issues brought forward this date is in serious jeopardy. The next step is to resolve the above CRs and then reevaluate the program timing.

Thanks to all that participated in this trial.

Stephen Buss
Kentucky Truck Plant PVT
Manufacturing Chassis Engineer
Phone: 502-429-2290
Fax: 502-429-2941

LAST LINE NO. 15230

USING B-SPLINE ON >OFF

PRT= 1055- 8FB36-AC-FF

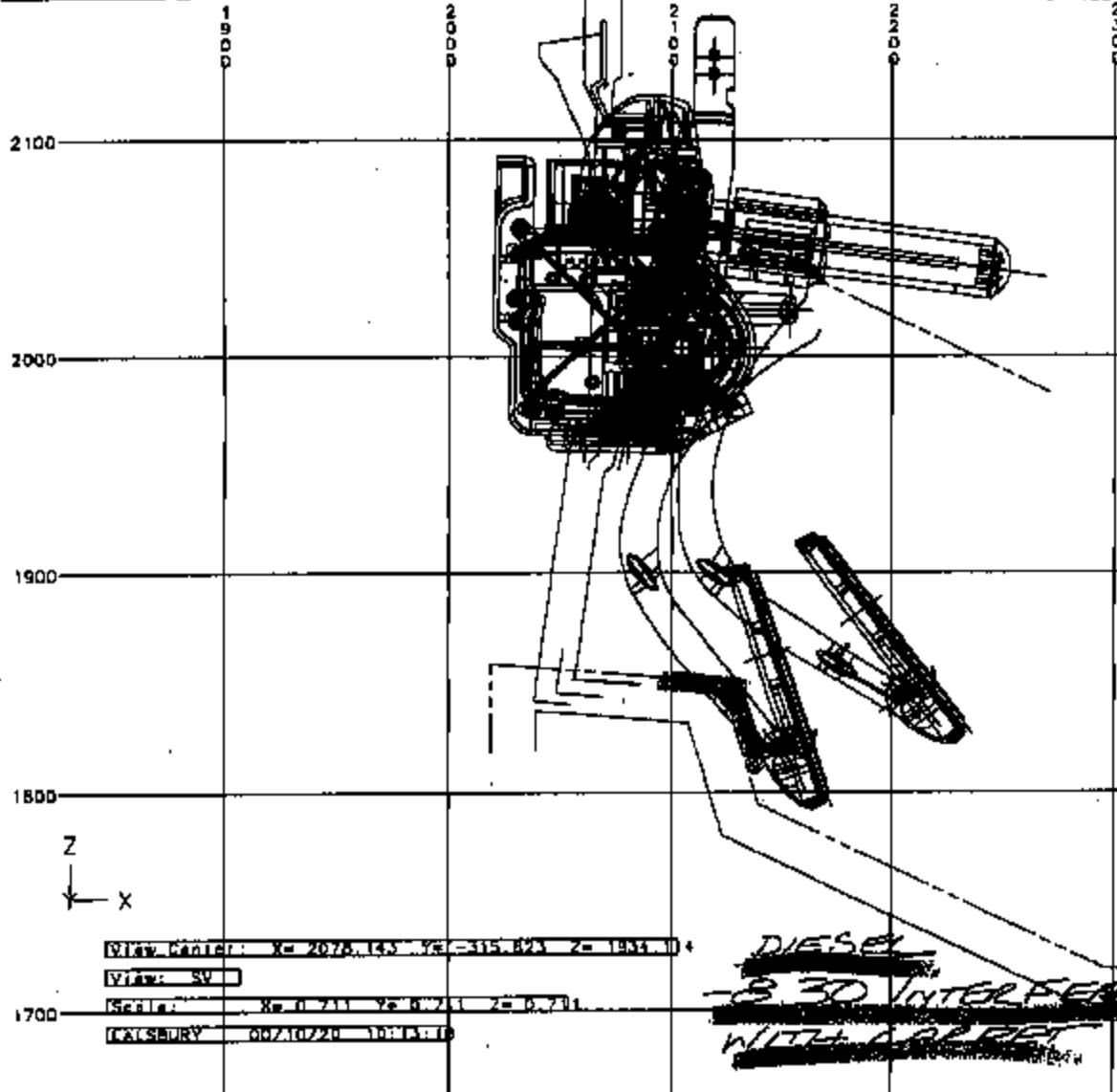
1117MODEL PEDAL/DIESEL/HRB BOOST

PID=FULL FORWARD

STOP FLTS

MOD. MENU

MACRO OPTIONS



SELECT LINE

NO. LABEL LIST

SELECT SURFACE

NO. LABEL LIST

SELECT SUB-PART

NO. LABEL LIST

SELECT SOLID

NO. LABEL LIST

PICTURE OPERATIONS

PURGE FROM PART

ADD INTERSECTIONS

CREATE

LINE SURF SUBPRT

SOLID LIGHT

REORIENT DROP

CUT TRIM SPLIT LABEL

MULTI-LINE OPTS

PROCESS DATA

COLOR ENT ASSOC

GEOFIT MATERIAL

FORMAT OPERATIONS

DATA COLLECTOR

DATA I/O

APPL:

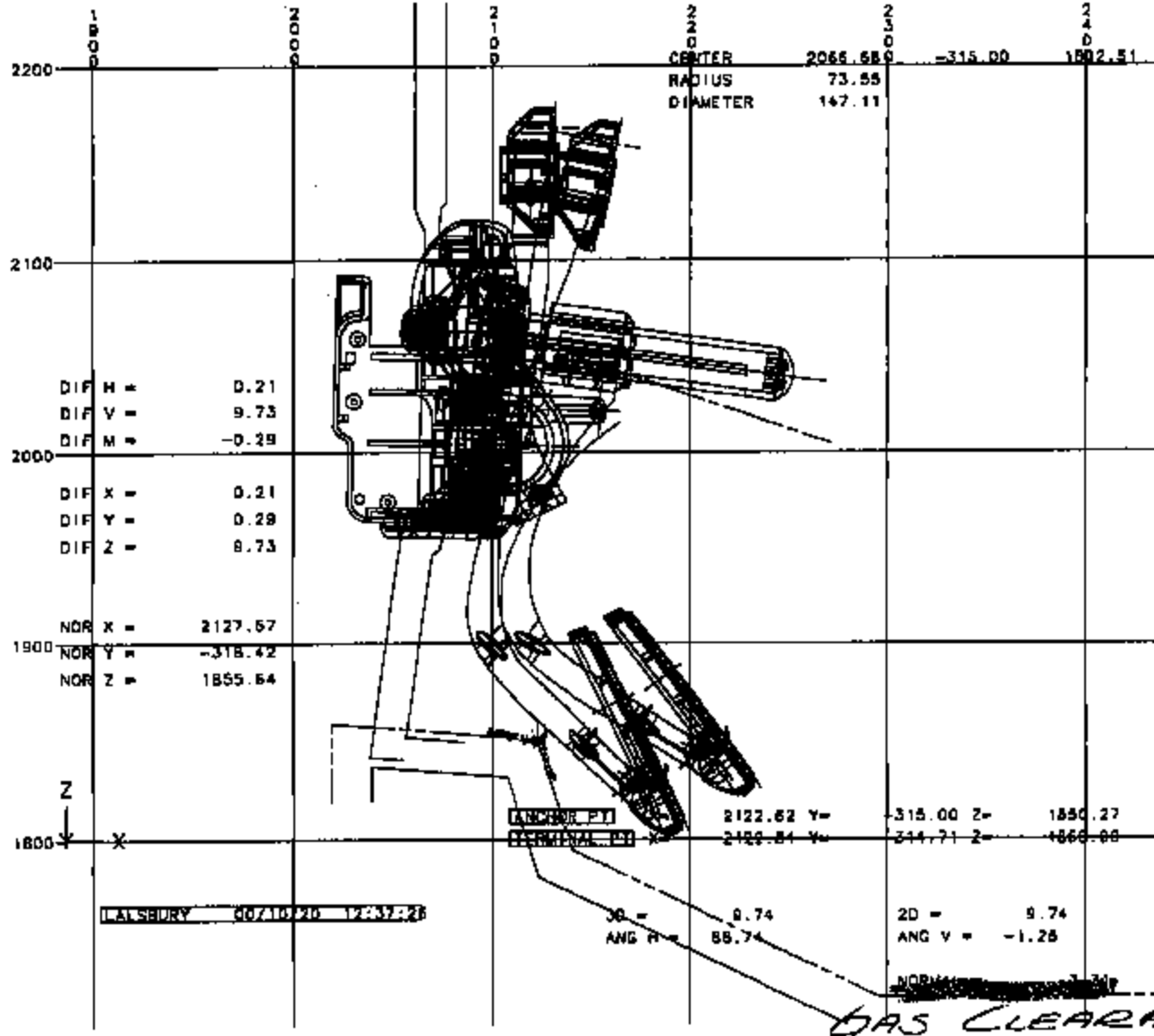
PERI-844 28248

DET

**DIESEL
- 3D INTERFERENCE
WITH CARPET**

MODIFY MENU

MACRO OPTIONS



2 2 0
 2 3 0
 2 4 0
 CENTER 2066.68 0 -315.00 1802.51
 RADIUS 73.55
 DIAMETER 147.11

DIF H = 0.21
 DIF V = 9.73
 DIF M = -0.29

DIF X = 0.21
 DIF Y = 0.29
 DIF Z = 8.73

NOR X = 2127.57
 NOR Y = -318.42
 NOR Z = 1855.64

ANCHOR PT 2122.62 Y= -315.00 Z= 1850.27
 TERMINAL PT 2122.61 Y= 244.71 Z= 1860.00
 JO = 9.74
 ANG R = 88.74
 2D = 9.74
 ANG V = -1.28

SELECT ANGLE POINT
 FROM LINE
 NO. LABEL LIST
 FROM SUBPART
 NO. LABEL LIST

REPTICK
 ANCHOR PT
 TERMINAL PT
 NEXT NORMAL
 ANG. BTW. LINES

ABACUS

S1 = 0.00
 S2 = 0.00
 S3 = 0.00
 S4 = 0.00
 S5 = 0.00
 S6 = 0.00

DEC ANGLE V

>2 3 4 5 6
 ANGLE MODE
 DEG/MIN/SEC >DEC

RETURN MAIN DET

FIG-014 28549

2002 Issues:

C11150577: Motor mount bracket & accelerator cable length change.

Changes consist of modifying motor mount bracket to change the position of the motor

Direction & increase the motor cable that connects to the adjustable accelerator pedal.

This change will reduce pull on the drive cable on the drive cable with the accelerator pedal is actuated. Current motor position results in interference to the accelerator pedal lever assembly.

HTFB

12/11/00

PV Testing

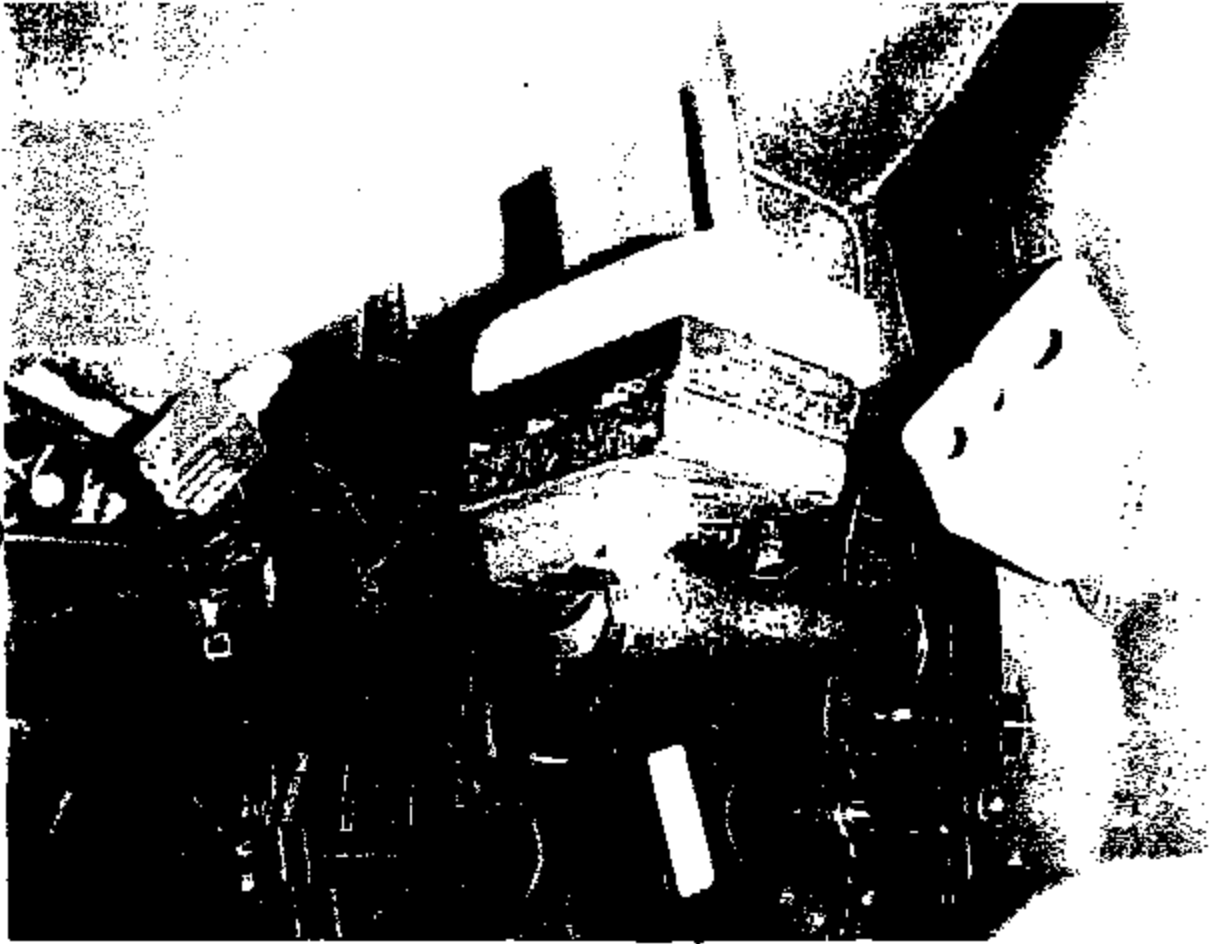
12/12/00 - 02/05/01

Testing to qualify motor bracket off tool 2

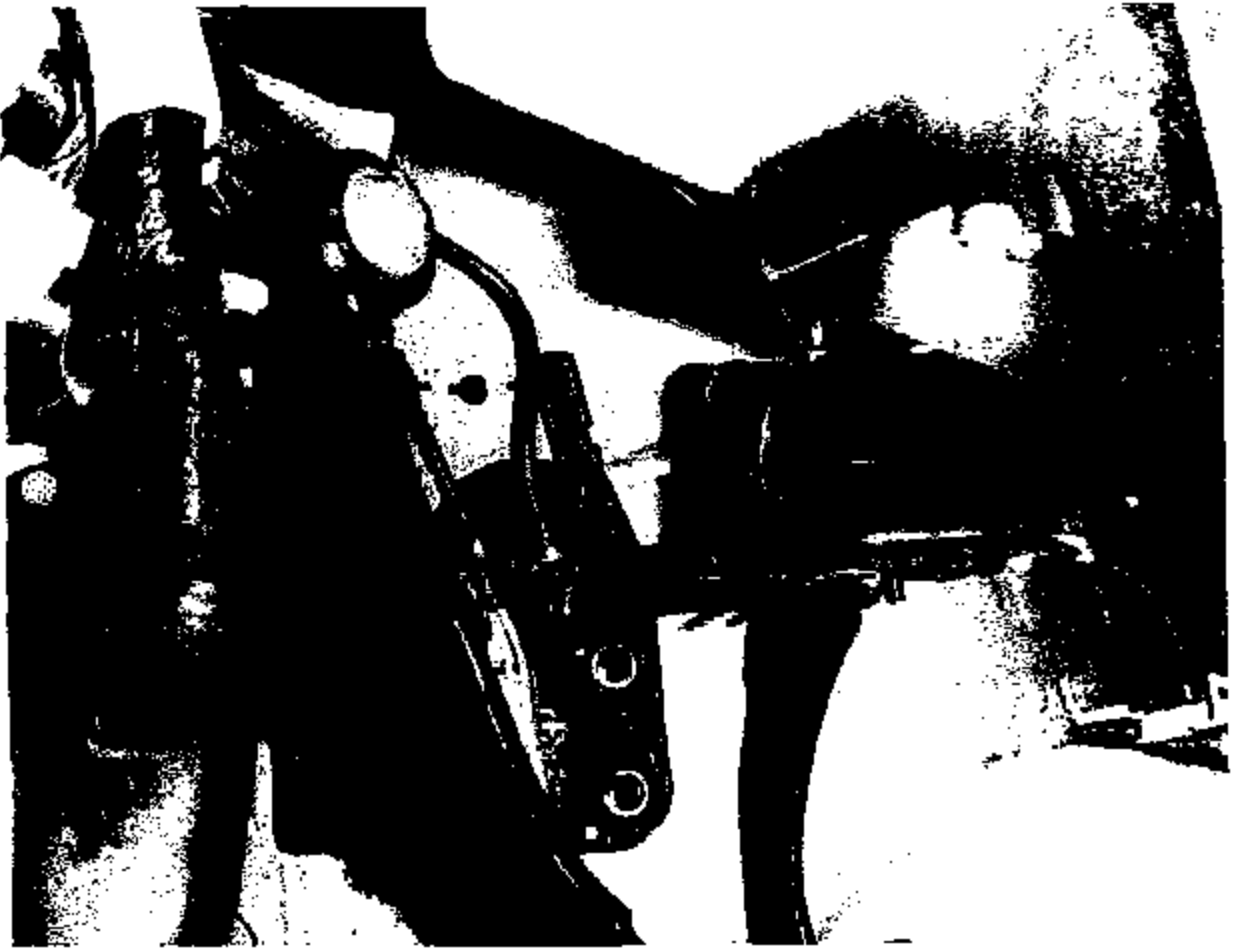
01/10/01 - 01/29/01

PSW

02/12/01



PE83-844 26552



FE63-844 28553

E NO. = 1811

SPLINES

PRT- 1C35- 2450-STUDY-RB STORE DFLT5
PIC-ALL
WORD OPTIONS
MODIFY MENU

FE83-944 28554

COMPARE PICTURES
PRIMARY LINES/SURFS
ON OFF

SELECT SECONDARY

PICTURE THIS PART

PICTURE DIFF PART

SECONDARY PART/PIC

CLIC35000738M1

U137 ADJUSTABLE BR--

K & ACCL PEDAL PKG

R118-2501805-B

SECONDARY LINES/SURFS

ON OFF BLINK

MIRROR IMAGE

NO YES

DISREGARD FONTS

NO YES

COMPARE METHODS

BY POINTS BY SHAPE

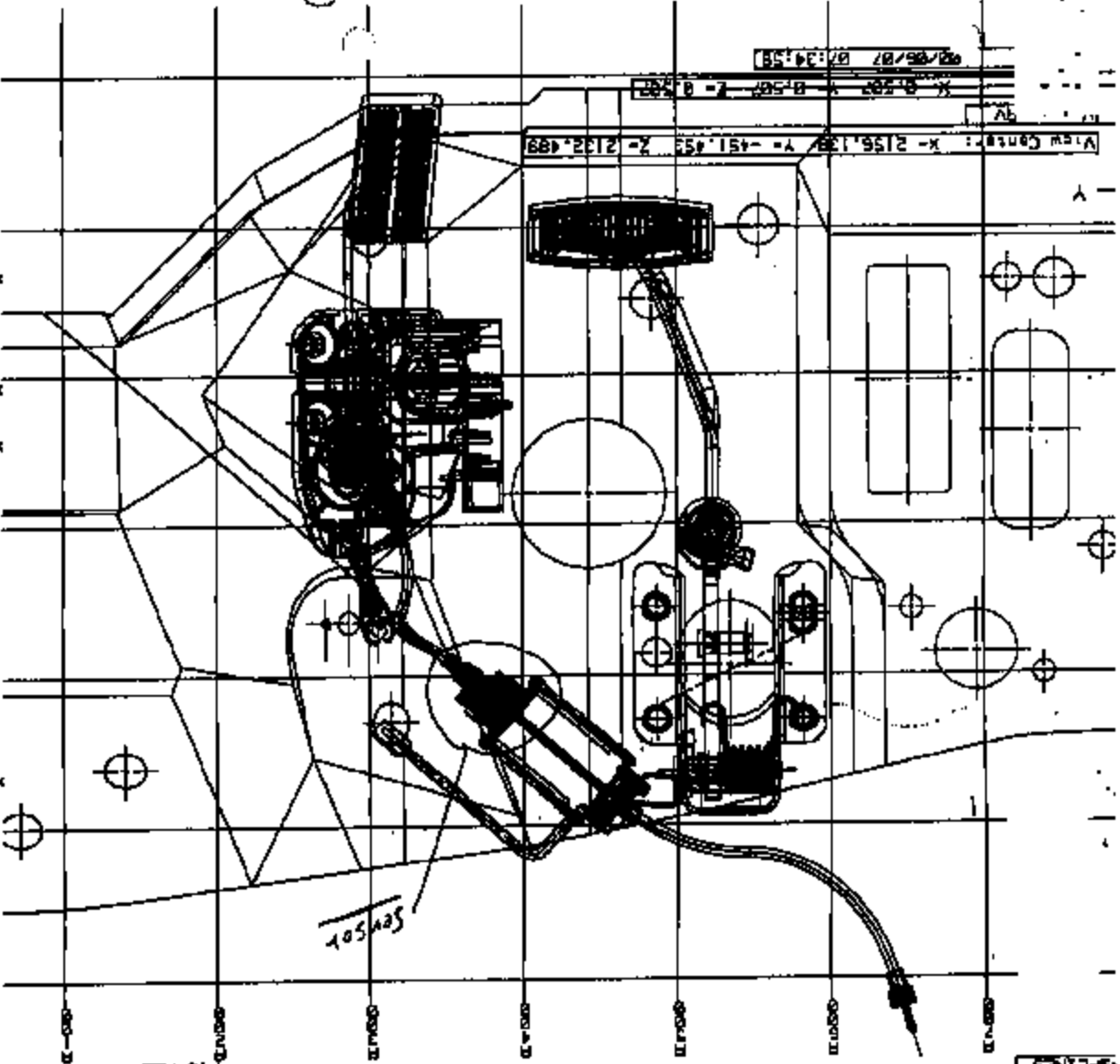
BY SHAPE AND SAVE

MIN. TOL. = .03

EXECUTE COMPARE

RETURN

MAIN



|||||

|||||

PERI-044 28833

PRIMATOR STUDY 100
ACTION LOCATION REVISED 08/82
PIC=IC33-2450-REV.MTR
MACRO OPTIONS
STORE DFLT'S
MODIFY MENU

COMPARE PICTURES
PRIMARY LINES/SURFS
ON OFF

SELECT SECONDARY
PICTURE THIS-PART
PICTURE DIFF-PART

SECONDARY PART/PLG
10351FX 2450NEW MTR
U137 BRAKE PEDAL/D

1ESEL/HYD BOOST
1033-2450-REV.MTR

SECONDARY LINES/SURFS
ON OFF BLINK
MIRROR IMAGE
NO YES

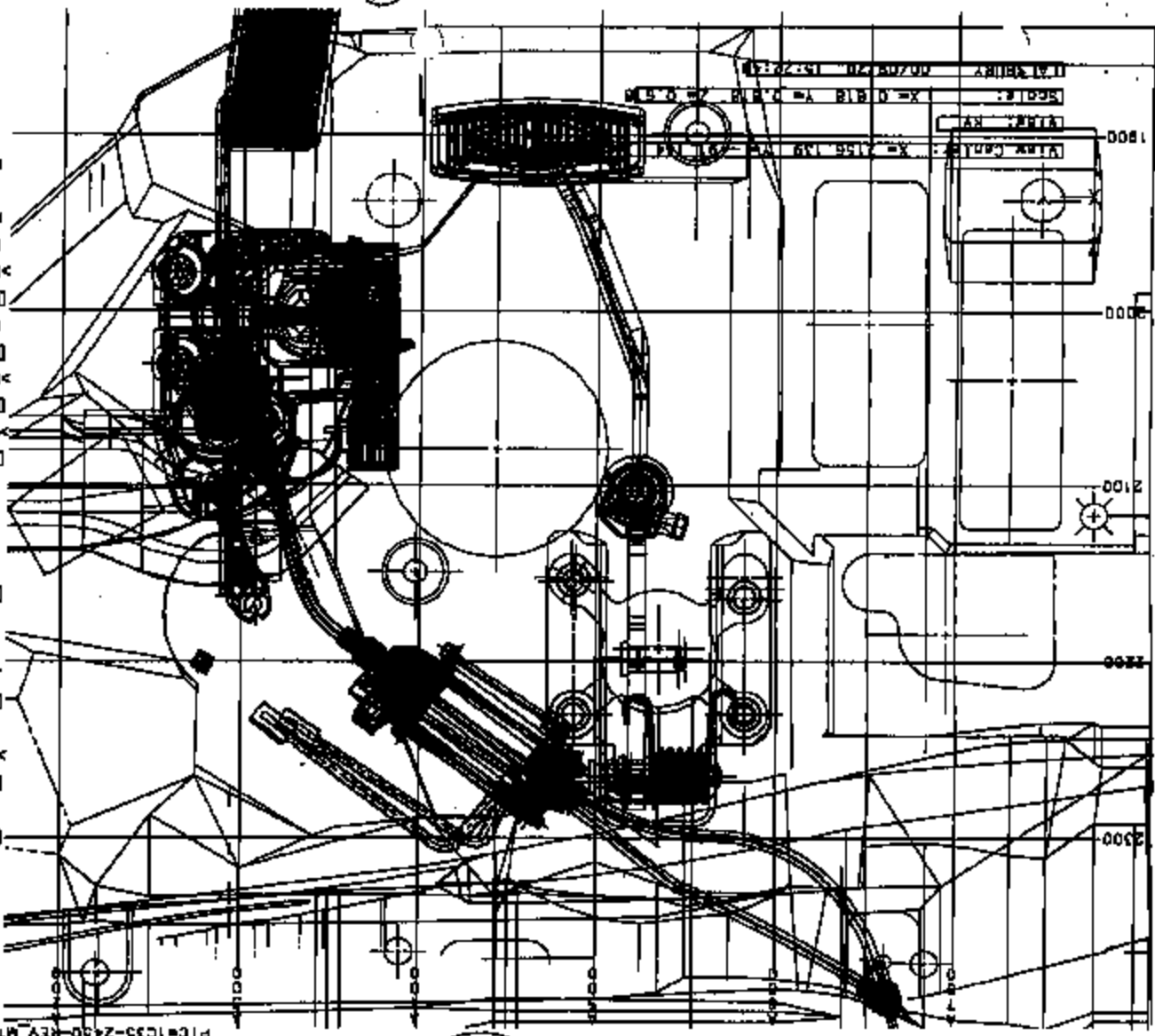
MISSEGAN PARTS

COMPARE METHODS
BY POINTS BY SHAPE

BY SHAPE AND SAVE
MIN. TOL. = 0.03

EXECUTE COMPARE

RETURN MAIN



LAST LINE NO. = 16349

2001 P131/U137 Complexity Matrix- Adjustable Pedals System

#	Part Number	Part Name	Part Availability Date: 11/2000	PSW DATE	New or Replacement	Company	Lead on RPS/GPRS	CDS	Phone Number	Web	Line Complexity	Description of Part
1	1C3T-14401-AA1	Wire Assembly	C11132711 in progress	11/16/2000	1 for 1 added complexity	AFL	Li Moleen/ Nayesma Rahman	nitman3	313-240-5141/32420	131	Need to connect the motor & SW	Gas with Adj. Pedal content
2	1C3T-14401-JA1	Wire Assembly	C11132711 in progress	11/16/2000	1 for 1 added complexity	AFL	Li Moleen/ Nayesma Rahman	nitman3	313-240-5141/32420	131	Need to connect motor, SW, ETC	Diesel Adj. Pedal content
3	1C3T-14401-AA1	Wire Assembly	C11132711 in progress	11/16/2000	1 for 1 added complexity	AFL	Li Moleen/ Nayesma Rahman	nitman3	313-240-5141/32420	131	Need to connect the motor & SW	Gas with Adj. Pedal content, less RSS
4	1C3T-14401-PA1	Wire Assembly	C11132711 in progress	11/16/2000	1 for 1 added complexity	AFL	Li Moleen/ Nayesma Rahman	nitman3	313-240-5141/32420	131	Need to connect motor, SW, ETC	Diesel Adj. Pedal content, less RSS
1	1C7T-14401-AA1	Wire Assembly	C11132711 in progress	11/16/2000	1 for 1 added complexity	AFL	Li Moleen/ Nayesma Rahman	nitman3	313-240-5141/32420	137	Need to connect motor and SW	Gas W/ ADJ PEDAL, RAC, CDX8, PRETENSIONER
2	1C7T-14401-BA1	Wire Assembly	C11132711 in progress	11/16/2000	1 for 1 added complexity	AFL	Li Moleen/ Nayesma Rahman	nitman3	313-240-5141/32420	137	Need to connect motor and SW	Gas W/ ADJ PEDAL, CDX8, PRETENSIONER
3	1C7T-14401-CA1	Wire Assembly	C11132711 in progress	11/16/2000	1 for 1 added complexity	AFL	Li Moleen/ Nayesma Rahman	nitman3	313-240-5141/32420	137	Need to connect motor and SW	Gas W/ ADJ PEDAL, CDX8, DRL, PRETENSIONER
4	1C7T-14401-DA1	Wire Assembly	C11132711 in progress	11/16/2000	1 for 1 added complexity	AFL	Li Moleen/ Nayesma Rahman	nitman3	313-240-5141/32420	137	Need to connect motor and SW	Gas W/ ADJ PEDAL, CDX8, RAC, PRE, AERO TRN, FOG, W/O DRL
5	1C7T-14401-EA1	Wire Assembly	C11132711 in progress	11/16/2000	1 for 1 added complexity	AFL	Li Moleen/ Nayesma Rahman	nitman3	313-240-5141/32420	137	Need to connect motor and SW	Gas W/ ADJ PEDAL, CDX8, DRL, RAC, PRE, AERO TRN, FOG
6	1C7T-14401-FA1	Wire Assembly	C11132711 in progress	11/16/2000	1 for 1 added complexity	AFL	Li Moleen/ Nayesma Rahman	nitman3	313-240-5141/32420	137	Need to connect motor, SW, ETC	Diesel W/ ADJ PEDAL, CDX8, PRETENSIONER
7	1C7T-14401-GA1	Wire Assembly	C11132711 in progress	11/16/2000	1 for 1 added complexity	AFL	Li Moleen/ Nayesma Rahman	nitman3	313-240-5141/32420	137	Need to connect motor, SW, ETC	Diesel W/ ADJ PEDAL, CDX8, RAC, PRE, FOG AERO TRN, W/O DRL
8	1C3B-0725-AC	SHFT ASY - ACCEL	C1108862 in progress	12/1/2000	New Part (2)	Teleflex	Lisa Petruskas/ Bill Teller	LPETRAUS	313-39-06070	P131, U137	Need to add Pedal to the line	Adj Accelerator Pedal - Gas
9	1C3B-0408-AC	PDL & Brd	C11168777 in progress	12/1/2000	New Part (2)	Teleflex	Lisa Petruskas/ Bill Teller	LPETRAUS	313-39-06070	P131, U137	Need to add Pedal to the line	Adj. Brake Pedal - Gas
10	1C3B-0408-BC	PDL & Brd	C11168777 in progress	12/1/2000	New Part (2)	Teleflex	Lisa Petruskas/ Bill Teller	LPETRAUS	313-39-06070	P131, U137	Need to add Pedal to the line	Adj Brake Pedal - Diesel
11	1C3B-0408-AC	PDL & SNS	C1108862 in progress	12/1/2000	New Part (2)	Teleflex	Lisa Petruskas/ Bill Teller	LPETRAUS	313-39-06070	P131, U137	Need to add Pedal to the line	Adj. Accelerator Pedal - Diesel

PERC-044 2/20/00

adj_complex_mtx_3.xls
(petraus)

Date Created: 8/16/00
Date Revised: 10/2/2000
Time Printed: 1:45 PM

2001 P131/U137 Complexity Matrix- Adjustable Pedals System

12	1C34-2501870-AC	INS ASY DASH	Released	12/1/2000	Replacement	Collins & Alkms	Jerry Heas	GHESS	313-84-50740	P131	No Additional	Interior Dash Insulator
13	1C34-701870-AC	INS ASY DASH	Released	12/1/2000	Replacement	Collins & Alkms	Jerry Heas	GHESS	313-84-50740	U137 Lariat LE	No Additional	Interior Dash Insulator
15	1C34-3604884-BAW	MAT - IPNL	Released	8/18/2000	Replacement	Summit Polymers/Visteon	Andrew Schafer	ASCHAFFER	313-755-2006	P131, U137	No Additional	Mat Insert for base
16	1C34-2504004-ALW	PNL Asy - In	Released	11/17/2000	Replacement	Visteon	Andrew Schafer	ASCHAFFER	313-755-2006	P131, U137	No Additional	Instrument Panel
17	1C34-2504004-ALW	PNL Asy - In	Released	11/17/2000	Replacement	Visteon	Andrew Schafer	ASCHAFFER	313-755-2006	P131, U137	No Additional	2 - tone instrument panel for Lariat & Exc limited
18	1L27-03404-AC	Sw ACEL	Released		New Part	Kostal of America	Jhammel Montee	JMONTEE	313-32-27583	P131, U137	Need to add switch to line	Toggle switch for adjustable pedals.
19	1C74-78130A8-BAW	Kit Mat Asy	Released 6/20	Incorp. 7/19	Replaced Part	Lear Corporation	Dan Rudolf	drudolf@lear.com	313-253-5195	U137	No Additional	Excursion only mats
20	1C74-78130A8-BAW	Kit Mat Asy	Released 6/20	Incorp. 7/19	Replaced Part	Lear Corporation	Dan Rudolf	drudolf@lear.com	313-253-5195	U137	No Additional	Excursion only mats
21	1C34-16C433-AA	Duct Asy - H	PSW'd 8/15/2000	10/08/00	Replacement Part	Lear Corporation	Dan Rudolf	drudolf@lear.com	313-253-5195	P131, U137	No Additional	
22	1C34-18323-BAW	Kit Mat Asy	Released 6/20	Incorp. 7/19	Replacement	Lear Corporation	Dan Rudolf	drudolf@lear.com/GH ESS	313-253-5195	P131	No additional	Reg Cab - 2 piece mats
23	1C34-18323-BAW	Kit Mat Asy	Released 6/20	Incorp. 7/19	Replacement	Lear Corporation	Dan Rudolf	drudolf@lear.com/GH ESS	313-253-5195	P131	No additional	Supercab/crew - 4 piece mats
24	1C34-18323-CAW	Kit Mat Asy	Released 6/20	Incorp. 7/19	Replacement	Lear Corporation	Dan Rudolf	drudolf@lear.com/GH ESS	313-253-5195	P131	No additional	Higher grad mats - 2 piece only - Lariat
25	1C34-18323-DAW	Kit Mat Asy	Released 6/20	Incorp. 7/19	Replacement	Lear Corporation	Dan Rudolf	drudolf@lear.com/GH ESS	313-253-5195	P131	No additional	Higher grad mats - 4 piece only - Lariat
26	1C74-78130A8-BAW	Kit Mat Asy	Released	Incorp. 7/19	Replacement	Lear Corporation	Dan Rudolf	GHESS	313-84-50740	U137 Limate d	No additional	Throw-in mat

PERC-DAY 25981

mdl_complex_mtx_3.xls
(patrius)

2001 P131/U137 Complexity matrix-Adjustable Pedals System

25	1C34-18323-01W	Kit Mat Assy	Released	Incorp. 7/19	Replacement	Lear Corporation	Don Rudolf	GHESS	313-84-50740	P131 Lariat	No additional	Throw-in-mat
30	1C34-82130A5-AW	Kit Mat Assy	Released	Incorp. 7/19	Replacement	Lear Corporation	Don Rudolf	GHESS	313-84-50740	P131 Lariat LE	No additional	Throw-in-mat

PC03-014 20002

ad_complex_mtr_3.xls
(petrus)

Date Created: 8/16/00
Date Revised: 10/2/2000
Time Printed: 1:48 PM

Teleflex**U137 ADJUSTABLE PEDAL / ETC
FORD OPEN ISSUES**

REVISION DATE: Thursday, July 20, 2000

REVISED BY: ALAN FARRAH

ITEM NO.	ISSUE DESCRIPTION	ISSUE STATUS	RESPONSIBILITY	DATE DUE	DATE COMPLETED
***** 2001 PMT ISSUES *****					
		<ul style="list-style-type: none"> 7-11-00 Jim Choo is no longer the brake assembly engineer. Contact Harry McCain 620-753-7323 7-14-00 Earl M. from Teleflex will be flying out to APG on 7-17-00 to monitor the installation of the pedal sensor kits 7-17-00 This has been placed on hold due to no ETC components at APG. 			
2	MEMORY SENSOR REVIEW / PRESENTATION <ul style="list-style-type: none"> describe Teleflexes existing two sensors and why they don't work describe the new sensor and the reasoning behind it's design explain how the sensor works 	<ul style="list-style-type: none"> 7-11-00 Needs to set-up meeting. 7-14-00 If meeting can't be arranged then AF will attempt to put together an informational package on the sensor and forward. 7-19-00 AF to review with Lisa on 7-21-00. 	BT / LP	7-14-00 7-19-00 7-21-00 TBD	
3	UPDATE AND CONTINUE DFMEA REVIEW	<ul style="list-style-type: none"> 7-11-00 AF to update DFMEA per reviews 7-11-00 LP and AF to set-up meeting to finish DFMEA. 7-20-00 DFMEA updated and signed by Avtar and Alan, Lisa needs to sign Lori to provide to Teleflex 8-4 	LP	7-19-00 7-21-00 8-4-00	
		<ul style="list-style-type: none"> 7-11-00 dvpr will be updated once the two additional test are complete (hub rotation test and accel cable retainer test). 			
5	2001 PRODUCTION DVPR <ul style="list-style-type: none"> review with Ford 	<ul style="list-style-type: none"> 7-11-00 AF and AK to review with Ford Lori to provide feedback 	LP	7-19-00 8-4-00	
6	PROGRAM MANAGEMENT REVIEW MEETING	<ul style="list-style-type: none"> 7-11-00 Elio in the process of scheduling. 7-18-00 Elio set meeting for 7-26-00 	EE	7-19-00 7-26-00 TBD	
7	NOISE TESTING OF U137 ASSEMBLIES <ul style="list-style-type: none"> determine procedure, cost and timing to test 	<ul style="list-style-type: none"> 7-11-00 Discuss parameters with Adam Bertola. 7-14-00 Per Adam B. The Windstar program is 	BT	TBD	

PERS-044 26573

U137 FORD OPEN ISSUES

1 of 4

Teleflex

**U137 ADJUSTABLE PEDAL / ETC
FORD OPEN ISSUES**

REVISION DATE: Thursday, July 20, 2000

REVISED BY: ALAN FARRAH

TRIM NO.	ISSUE DESCRIPTION	ISSUE STATUS	RESPONSIBILITY	DATE DUE:	DATE Completed:
	assemblies at Kendallville	<p>under going full-blown DV testing due to the changes being made to the worm and drive gear. These are comment components to all AP's, and therefore the Windstar DV data can be used as surrogated data. The U137 should only undergo noise testing, which will involve fabricating fixtures for the sound chamber and then testing in the chamber.</p> <ul style="list-style-type: none"> When components are available, noise test U137 pedals in Kendallville 			
8	PHIL TO TALK WITH JIM CONRAD TO DETERMINE IF FORD ASSISTANCE IS AVAILABLE IN COMPLETING DVP TESTING		LP	??	
[REDACTED]					
12	<p>NEED TO MODIFY ASSY PRINTS TO HAVE LATEST CHANGES</p> <ul style="list-style-type: none"> brake mounting brake wiring harness hole brake mounting brake mounting hole locations motor wiring harness with 6 additional inches accel bracket with inserts see marked up prints 	<ul style="list-style-type: none"> 7-14-00 Need to ensure correct concerns are with each issue. 7-20-00 Need concern to correct ETC pin out on the drawing. Assembly drawings complete. They will be transferred upon closure of post issues. 	BT/AK	8-4-00	
13	<p>FMVSS124</p> <ul style="list-style-type: none"> Need to perform this test on vehicle ASAP with a gas version accel pedal 	<ul style="list-style-type: none"> Use to schedule 	LP	8-11-00	
14	<p>Crash</p> <ul style="list-style-type: none"> Feedback required on crash tests 	<ul style="list-style-type: none"> Crash tests thus far (with no crash dummies) indicate no crash issues with the pedal. 	LP	8-11-00	

FORD-044 28574

U137 FORD OPEN ISSUES

Teleflex**U137 ADJUSTABLE PEDAL / ETC
FORD OPEN ISSUES**

REVISION DATE: Thursday, July 20, 2000

REVISED BY: ALAN FARRAH

ITEM NO.	ISSUE DESCRIPTION	ISSUE STATUS	RESPONSIBILITY	DATE DUE:	DATE Completed:
		♦ Additional testing required with crash dummies. Timing?			
16	ENSURE PROTOTYPES HAVE THE ADDITIONAL 6 INCHES OF WIRING HARNESS.	<ul style="list-style-type: none"> 7-11-00 AF submitted e-mail to Teleflex prototype supervisor with the 6 inch requirement. Will confirm during next prototype build All drawings changed 8-7-00 	RC / BT	TBD	
***** 2002 PMT ISSUES *****					
4	2002 DFMEA TO FORD <ul style="list-style-type: none"> once reviews and sign off of the 2001 dfmas happens the 2002 will be updated 	<ul style="list-style-type: none"> Need 2001 DFMEA approved by Lisa 	LP	8-9-00	
5	COST RESOLUTION NEEDED FOR MEMORY SENSORY	<ul style="list-style-type: none"> 7-11-00 Larry Wyatt has meeting with Cory Charis on 7-12-00 at 2 pm to review cost breakdown. 7-14-00 Another meeting scheduled for Monday 7-17-00. 7-20-00 Status update?? 	LW	7-12-00 7-17-00 TBD	
8	PROTOTYPES ON HOLD DUE TO COST ISSUES	<ul style="list-style-type: none"> 7-11-00 Elio place prototypes on hold per Phil on 7-7-00. 	EE / PB	TBD	

PERS-044 26375

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TRIM NO.	ISSUE DESCRIPTION	ISSUE STATUS	RESPONSIBILITY	DATE DUE	DATE Completed
1	2002 ASSEMBLY PRINT • add note indicating exception to the impact test for the agrisor	7-20-00 Need to add • Drawing complete. Transfer upon conclusion of pricing discussions.	BT	8-4-00 8-11-00	
2003 PMT ISSUES					
2	PIN OUT STRATEGY NEEDS TO BE RESOLVED BETWEEN FORD, TELEFLEX AND WILLIAMS.	• 7-14-00 The design transmittal will be completed and forwarded to Barb Roemen once the pin out strategy is determined • Don to create and send to Teleflex for concurrence	AK / DS	7-18-00 8-11-00	
3	ASSEMBLY DRAWING- UPDATED		BT	8-11-00	
4	Interface Diagram		LP		
7	Functional Targets		LP		
8	Containment Plan	• Timing and signoff required	EE	8-11-00	
9	Quote	• Quote required for prototype and production piece price and tooling • Prototype and production tooling quoted 7-26-00. • Production piece price quoted 7-14-00. • Prototype piece price required	LW	8-4-00	

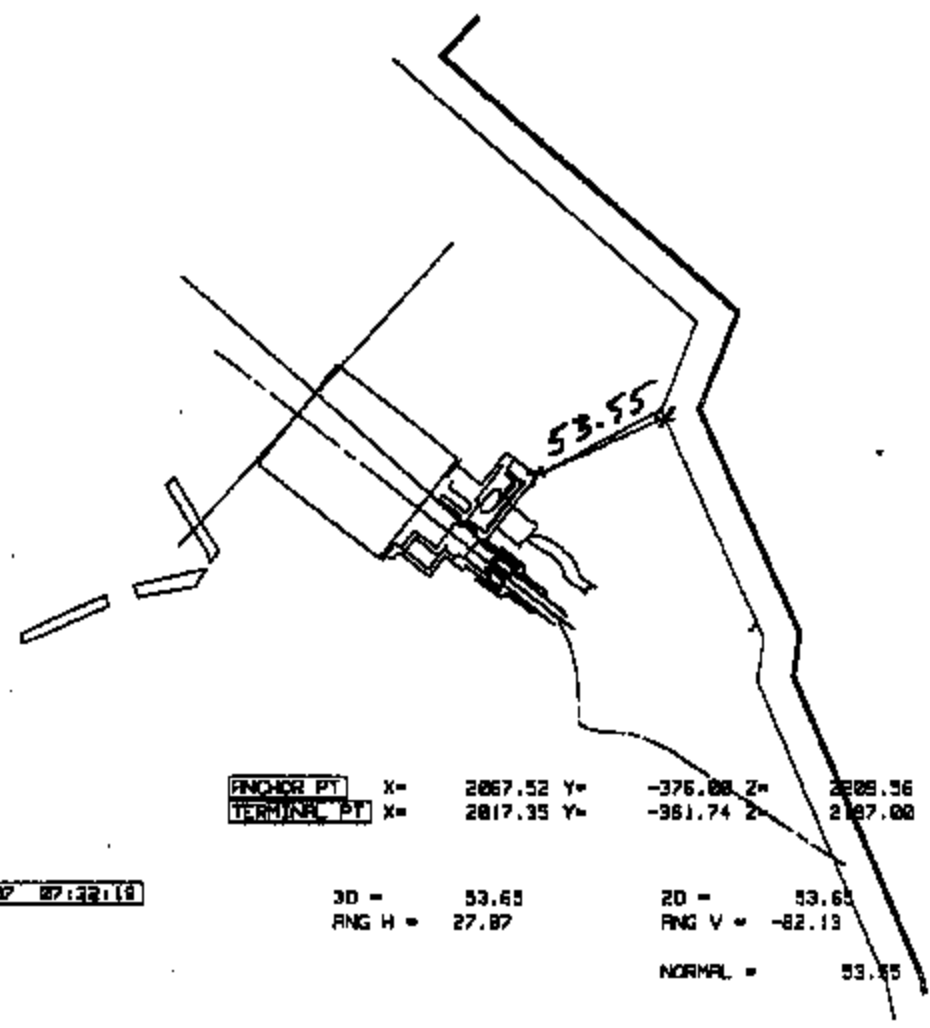
PE03-044 205716

MOD. MENU
 MICRO OPTIONS

DIF H = 47.43
 DIF V = 25.87
 DIF M = .88

 DIF X = -58.17
 DIF Y = 14.25
 DIF Z = -12.56

 NOR X = 2818.71
 NOR Y = -359.49
 NOR Z = 2189.81



SELECT ANGLE POINT
 FROM LINE
 NO. LABEL LIST
 FROM SURFACE
 NO. LABEL LIST

REPICK
 ANCHOR PT
 TERMINAL PT
 NEXT NORMAL
 ANG. BTW. LINES

ABRACS

 S1 = .00
 S2 = .00
 S3 = .00
 S4 = .00
 S5 = .00
 S6 = .00

DEC. ACCURACY
 >2 3 4 5 6

ANGLE MODE
 DEG/MIN/SEC >DEC

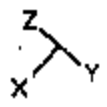
RETURN MAIN DET

ANCHOR PT X= 2867.52 Y= -376.88 Z= 2888.56
 TERMINAL PT X= 2817.35 Y= -361.74 Z= 2187.00

3D = 53.65 2D = 53.65
 ANG H = 27.87 ANG V = -82.13
 NORMAL = 53.55

REVOLVER 02/05/87 07:32:18

PERC-044 28587



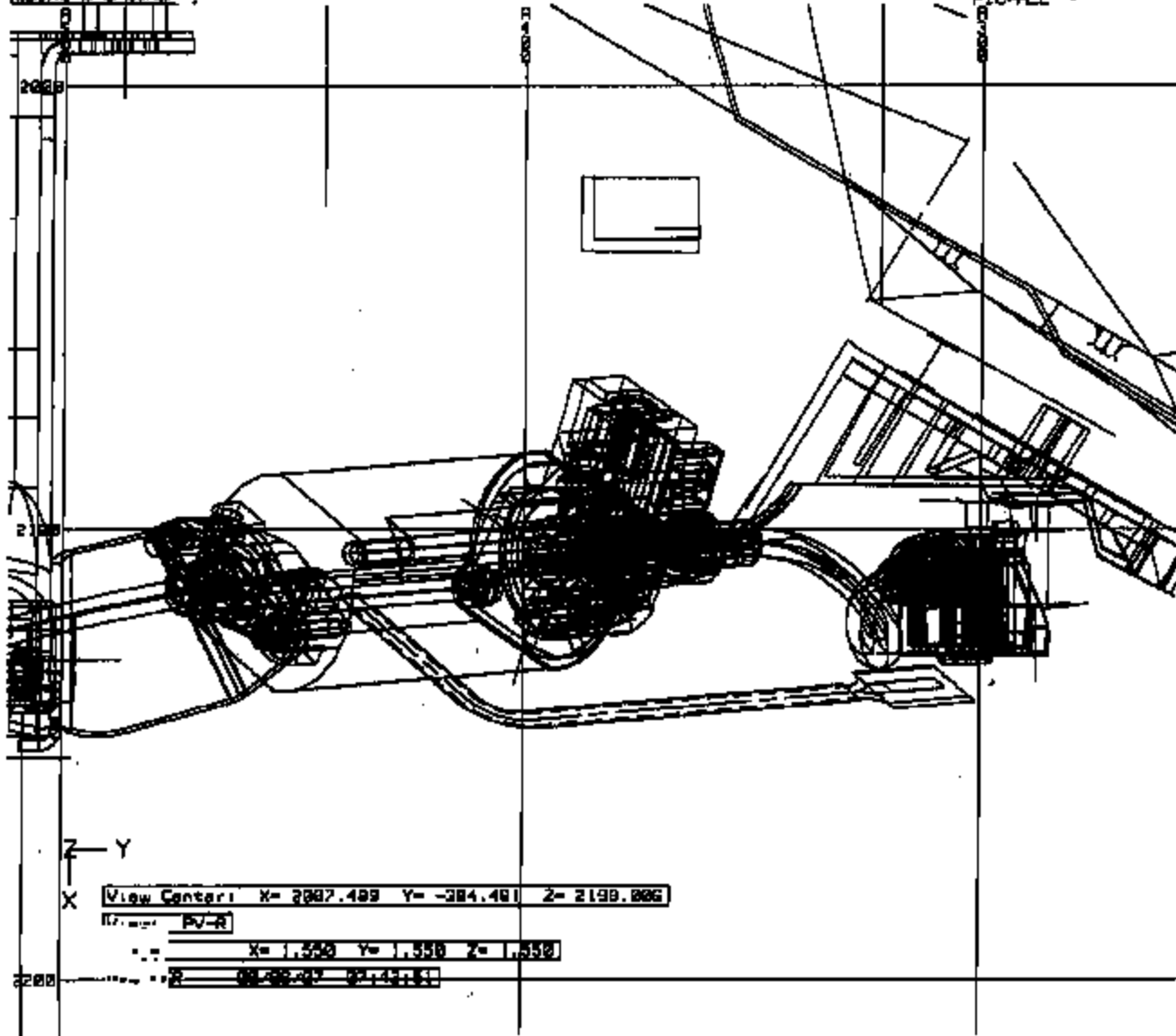
LAST LINE NO. = 16811

LISTING B-SPLINE

PRT= IC35- 245B-STUDY-RR STORF-DFTS
U137 BRK REPL/DRIVE 3007 MODI MENU

PIC-ALL --

MACRO OPTIONS



COMPARE PICTURES

PRIMARY LINES/SURFS

>ON OFF

SELECT SECONDARY

PICTURE THIS-PART

PICTURE DIFF-PART

SECONDARY PART/PIC

CLIC35000073001

U137 ADJUSTABLE BR--

K & ACEL PEDAL PKG

FB18-2501600-B

SECONDARY LINES/SURFS

>ON OFF BLINK

MIRROR IMAGE

>NO YES

STEREOPHO FONTS

NO >YES

COMPARE METHODS

>BY POINTS BY SHAPE

BY SHAPE AND SAVE

MIN. TOL. = .03

EXECLTE COMPARE

RETURN MAIN

Z
Y
X

View Center: X= 2007.489 Y= -384.481 Z= 2198.806

U137 BRK REPL/DRIVE 3007

X= 1.550 Y= 1.550 Z= 1.550

00:00:00 00:00:00

FIGS-044 28585