

EA04-023

FORD

5/12/2005

BOOK 1 OF 2

PART 2 OF 4

| Ford | A/C | WERS # | Description | Notice # | Program Affected | Part Numbers | Status | Comment |
|-------------|-----|-----------|---|---------------------|----------------------------|---|--------------------------------------|---|
| \$3,668.67 | A | A11610467 | Allow Hermosillo to use modules for MY 2005 FEU build - MCR, Mabuchi and 4 pin | N/A | P1 modules P1 latches | 3S41-A/B219A84/5-AE/BD/CD 3S41-A264A27/6-AF/BF | Alert Approved Expires: 3/4/04 | Parts shipped under Alert already. No more parts need to be shipped. Need to collect monies from Ford. |
| \$12,000.12 | A | A11616411 | Allow Wayne & Hermosillo to use modules for MY 2005 IB build - MCR, Mabuchi and 4 pin | N/A | P1 modules P1 latches | 3S41-A/B219A84/5-AE/BD/CD 3S41-A264A27/6-AF/BF | Alert Approved Expires: 5/17/04 | Parts still need to be shipped. No more parts need to be shipped. Need to collect monies from Ford. |
| \$ | A | A11616343 | Allow Brose to ship modules at A level with reinforcements with white headed screws | N/A | P1 modules | 4S43-A/B219A84/5-AA/BA/CA 4S43-A264A27/6-AA/BA | Alert Approved Expires: 5/17/04 | In progress. |
| | A | A11646489 | Allow Brose to ship Frt CL in place of Men pre-lost motion latches | | P1 Latches Service Only | 2S4A-A21812/13-BB & XS4A-A21812/13-AA to replace 2S4Z-5421812/13-BA | Alert Approved Expires: 08-Aug-04 | In progress. |
| | A | A11646957 | Allow Brose to ship Rear CL in place of Men pre-lost motion latches | | P1 Latches Service Only | 2S4A-A26412/13-AB & 2S4A-A26412/13-DA to replace 2S4Z-6426412/13-AA | Alert Approved Expires: 08-Aug-04 | In progress. |
| | A | A11644734 | Allow Brose to ship Rear CL with new suffix level in place of older level suffix | | P1 Latches Service Only | 2S4A-A26412/13-DA to replace 2S4Z-5426412/13-BA | Alert Approved Expires: 22-Jul-04 | In progress. |
| | C | C11529019 | Hex Free coating -103 * | N800 E 11529019 000 | P1 Striker | 2M51-F21982-AA to 5S43-F21982-AA | Notice Approved | Need quote for NA P1 strikers. Need NA only Ford P/N - awaiting for Ford approval on new pricing. Need Ford PO - Mike Simpson |
| | C | C11637828 | I/S Handle - Front - Remove orange clip | | | 4S43-A/B219A84/5-AB/BB/CB I/S Handle - Front - LH/RH 1M51 F22800/1 AA | | add 22 points |
| | C | C11637556 | KC Rod - change supplier and material | | | 4S43-A/B219A84/5-AB/BB/CB KC Rod - Front - LH/RH XS41-A22134/5-AC | | add 22 points |
| | C | C11637688 | Remove hex chrome from latch components, reinforcements, I/S handles, and fasteners | N800 E 11637688 000 | | 4S43-A/B219A84/5-AB/BB/CB 4S43-A264A27/6-AB/BB | Notice Approved | Added Fasteners & ITM parts into this concern. |

| Ford | A/C | WERS # | Description | Notice # | Program Affected | Part Numbers | Status | Comment |
|------|-----|-----------|--|---|------------------|--|--------|--|
| | C | C11637685 | Manual Housing change | | | 4S43-A/B219A64/5-AB 4S43-A264A27/6-AB 4S4A-A21812/3-AB 4S4A-A21812/3-AA | | complete this Concern. Add 22 points |
| | A | SREA only | Rotor & pawl - change supplier and new tools | No pin or suffix bump required per Randy Ford | | 4S43-A/B219A64/5-AB/BB/CB 4S43-A264A27/6-AB/BB 4S4A-A21812/3-AB/BB/CB 4S4A-A21812/3-AA/BB | | Randy Ford has requested dimensional data from Chris Conely. Randy Ford and Scott Reeves have approved SREA. Need Tom Herline and Peter Kantz signature. Dick L. to send Tom travel and effort data of modules tested. |

E904-823 5984

| Ford | A/C | WERS # | Description | Notice # | Program Affected | Part Numbers | Status | Comment |
|------|-----|-----------|--|---------------------|-----------------------|--|-----------------|-----------------------------|
| N/A | C | C11821945 | MY 2005 Striker - hex chrome free | NB00-E-11821945-000 | MY 2005 Hood Strikers | 4S41-16K689-AB to 6S43-16K689-AA | Notice Approved | Timing to implement change. |
| N/A | C | C11838157 | MY 2005 & CP Hood Latch - change from plastisol dip to nylon dip | NB00-E-11838157-000 | Hood Latches | 5S4A-16700-AA to 5S4A-16700-AB 5S4A-16700-BA to 5S4A-16700-BB 4S4A-16700-CA to 4S4A-16700-CB 4S4A-16700-DA to 4S4A-16700-DB | | Type of Nylon |
| N/A | C | C11891292 | MY 2005 & CP Hood Latch - remove plastisol dip | | Hood Latches | 5S4A-16700-AA to 5S4A-16700-BA to 4S4A-16700-CA to 4S4A-16700-DA to | | |
| N/A | C | C11837817 | MY 2005 & CP Hood Latch - change to hex chrome free | | Hood Latches | 5S4A-16700-AA to 6S 5S4A-16700-BA to 4S4A-16700-CA to 4S4A-16700-DA to | Notice Approved | Timing to implement change. |
| N/A | C | C11831415 | CP Hood Striker - service only | | Hood Striker | XS41-16K689-AF | | |

5904-023 9805

| Ford | A/C | WERS # | Description | Notice # | Program Affected | Part Numbers | Status | Comment |
|------|-----|-----------|---|--|-------------------|---|-----------------------------------|---|
| N/A | C | C11557512 | Liftgate Latch - change prefix and suffix | AB00 E 11557512 000 NB00 E 11557512 000 | Liftgate Latches | YS4A-A43102-BE to 4S4A-A43102-BA YS4A-A43102-AE to 4S4A-A43102-CA YS4A-A43102-DK to 4S4A-A43102-DA YS4A-A43102-EL to 4S4A-A43102-EA 6S4A-N43102-BA to 4S4A-N43102-BA | R status-p/ns R status-no p/ns | Need to implement. Waiting for PSW of Liftgate Latches. Scheduled for ??? |
| N/A | A | A11628774 | Allow Brose to ship new part number liftgate latches under old part number releases | N/A | Liftgate Latches | YS4A-A43102-BE to 4S4A-A43102-BA YS4A-A43102-AE to 4S4A-A43102-CA YS4A-A43102-DK to 4S4A-A43102-DA | ? | Should be shipping currently under this alert. |
| N/A | C | C11831259 | Liftgate Latch - change to hex free chrome # of parts affected: | AB00 E 11831259 000 NB00 E 11831259 000 | Liftgate Latches | 4S4A-A43102-BA to 6S4A-A43102-B 4S4A-A43102-CA to 6S4A-A43102-C 4S4A-A43102-DA to 6S4A-A43102-D Serv 4S4A-A43102-EA to 6S4A-A43102-E Serv 4S4A-N43102-BA to 6S4A-N43102-B | Notice Approved | Timing to implement |
| N/A | C | C11831407 | Liftgate Striker - change to hex free chrome # of parts affected: | NB00 E 11831407 000 | Liftgate Strikers | YS4A-A404A12-AB | Notice Approved | Timing to implement |
| N/A | A | A11838286 | Allow Brose to ship new part number decklid latch under old part number releases - SERVICE ONLY | N/A | Decklid | YS4A-A43102-EL 4S4A-A43102-EA | ? | Approved by Randy Ford to ship. |

ERN4-023 0986

| Ford | A/C | WERS # | Description | Notice # | Program Affected | Part Numbers | Status | Comment |
|--|-----|-----------|--|---|--|---|---|---|
| \$0 cost | A | A11569244 | Allow use of reworked grease latches with green dot for production | NA | P1 modules P1 latches | 3S41-A/B219A84/5-AE/BD/CD 3S41-A264A27/8-AF/BF | Alert Approved Expired: 11/19/03 | CLOSED. |
| \$0 cost | A | A11571749 | Allow use of reworked grease latches with green dot for service | | | | Alert Approved Expired: 1/13/04 | CLOSED. |
| N/A | C | G14453100 | Change latches to Magni | AB00 E 11453190 000 EB00 E 11453190 000 EB00 E 11453190 001 | P1 modules P1 latches | 3S41-A/B219A84/5-AF/BE/CE 3S41-A264A27/8-AG/BG | Released- Status Released- Status Released- Status | Notices canceled, Reverted back to old rev levels. |
| N/A | C | C11453190 | Revert back to old levels prior to Magni | AB00 E 11453190 001 EB00 E 11453190 002 | P1 modules P1 latches | 3S41-A/B219A84/5-AE/BD/CD 3S41-A264A27/8-AF/BF | Released Status Preview Status | CLOSED. |
| N/A | C | C11553751 | Add grease to all NA side door latches | AB00 E 11553751 000 NB00 E 11553751 000 | P1 modules P1 latches | 4S43-A/B219A84/5-AA/BA/CA 4S43-A264A27/8-AA/BA | | Still need to get releases from Ford. |
| N/A | C | C11576444 | Add white paint to reinforcement screws, Mabuchi motor, and 4 pin connector | NB00 E 11576444 000 AB00 E 11576444 000 | P1 modules P1 latches | 4S43-A/B219A84/5-AB/BB/CB 4S43-A264A27/8-AB/BB | R status R status | Need updated PO's from Ford. Requested from Simpson on 2/23/2004. |
| N/A | C | C11495355 | MCR changes - Remove key cylinder | NB00 E 11576444 000 | P1 modules P1 latches | 4S43-A/B219A84/5-BB | R status | |
| GPIRS 865847 & 860394 CLOSED. | A | A11600043 | Allow Wayne to Trial Build 100 vehicle sets to try out key cylinder deletion and Mabuchi Motor | NA | P1 modules P1 latches | 4S43-A219A84/5-BB 4S43-A264A27/8-BB | CLOSED. | Line Trial Successful. |
| GPIRS 858409 & 865848 CLOSED. | A | A11600079 | Allow Hermosillo to Trial Build 30 vehicle sets to try out key cylinder deletion and Mabuchi Motor | NA | P1 modules P1 latches | 4S43-A219A84/5-BB 4S43-A264A27/8-BB | CLOSED. | GPIRS order closed. Line Trial Successful. |
| \$ | A | A11597300 | Put paint dot on CLA Modules as an identifier, manually | | | | Stopped on 1/29/2004 | CLOSED. |
| N/A | C | C11019095 | Update latch ES spec to add salt spray and dust to durability (life cycle) test spec | | P1 latches - C170 NA, Eu & CD132 | all P1 latches except Jag | | |

| Ford | A/C | WERS # | Description | Notice # | Program Affected | Part Numbers | Status | Comment |
|------|-----|-----------|--|-------------------|------------------|---|--------|-------------------------------|
| | C | C11637681 | Fasteners - make hex chrome free | | | 4S43-A/B219A64/5-AB/BB/CB 4S43-A264A27/6-AB/BB | | Cancelled, added to C11637688 |
| | C | C11637684 | Eliminate hex chrome from ITW parts - 1/S Handle and Reinforcement | Need to add p/n's | | 4S43-A/B219A64/5-AB/BB/CB 4S43-A264A27/6-AB/BB | | Cancelled, added to C11637688 |
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BR4-023 5908

| Ford | A/C | WERS # | Description | Notice # | Program Affected | Part Numbers | Status | Comment |
|----------|-----|-----------|---|--|-----------------------|--|------------------------------------|---|
| \$0 cost | A | A11502757 | Allow shipment of CP latches that do not meet >10N cable release pullback effort | SEE C11547738 which closes need for Alert | CP Hood Latches | 3S4A-16700-AA 3S4A-16700-BA | A status Expired: 11/24/2003 | Allows Brose to ship CP hood latches. CLOSED. |
| N/A | C | C11547738 | Change cable release pullback spring for CP Hood Latches | AB00 E 11547738 000 NB00 E 11547738 000 | CP Hood Latches | 3S4A-16700-AA to 4S4A-16700-CA 3S4A-16700-BA to 4S4A-16700-DA | R status R status | CLOSED. |
| \$0 cost | A | A11582771 | Allow shipment of CP latches with part number modified on backplate and material cart old for press | N/A | CP Hood Latches | 4S4A-16700-CA 4S4A-16700-DA | A status Expired: 2/22/2004 | 2/19/2004 finished shipping all old backplates. CLOSED. |
| N/A | C | C11530711 | Release striker with zinc yellow chromate coating | NB00 E 11530711 000 | MY 2005 Hood Strikers | 4S41-16K689-AA to 4S41-16K689-AB | R status | CLOSED. |
| GPIRS ?? | A | A11588017 | Allow use of MY 2005 Hood Strikers for 1PP build even though PV testing not completed. | N/A | MY 2005 Hood Strikers | 4S41-16K689-AB | A status Expired: 11/1/2003 | Parts shipped under Alert already. No more parts need to be shipped, therefore Alert can expire with no further action. |
| GPIRS ?? | A | A11587552 | Allow use of MY 2005 Hood Strikers for FEU build even though not fully PSW'd. Striker rivet diameter not capable | | MY 2005 Hood Strikers | 4S41-16K689-AB | A status Expired: 23Jan04 | Parts due to ship for FEU build by 11/26/2003. CLOSED. |
| N/A | C | C11556252 | Change the spring on the MY 2005 Hood Latches and change prefix on backplate to 5S4A | AB00 E 11556252 000 NB00 E 11556252 000 | MY 2005 Hood Latches | 4S4A-16700-AB to 5S4A-16700-AA 4S4A-16700-BB to 5S4A-16700-BA | R status R status | CLOSED. |
| \$0 cost | A | A11589310 | Allow use of MY 2005 Hood Latches for 1PP build even though PV testing not completed and scratch off 4S4A & make 5S4A | N/A | MY 2005 Hood Latches | 5S4A-16700-AA 5S4A-16700-BA | A status Expired: 11/16/2003 | Parts shipped under Alert already. No more parts need to be shipped, therefore Alert can expire with no further action. |

| Ford | A/C | WERS # | Description | Notice # | Program Affected | Part Numbers | Status | Comment |
|------|-----|--------|-------------|----------|------------------|--------------|--------|---------|
|------|-----|--------|-------------|----------|------------------|--------------|--------|---------|

8904-023 5900

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Tuesday, April 22, 2003 1:34 PM
To: Peshkopia, Stacy; Bartsch, Juergen; jerry.janisse@us.bosch.com;
allen.barnhart@us.bosch.com; sskiba@ford.com; tgoodchi@ford.com;
gerardo.nava@gearindustrial.com; icelaya@ford.com; morfebek@ford.com; jfloyd5@ford.com
Subject: Open Issues for Tuesday 2:30 Meeting
Importance: High



C170_P1_FORD_Is
sues.xls (320 K...

Here is the open issues list for today's 2:30 meeting.

CIRCULATION: TO: Brandon Goll, Stacy Peshkopia, Juergen Bartsch, Jerry Jarissa, Al Burnhart, Alex Williams, Stan Blöbe, Tim Goodchild, Gerardo Nava, Isabel Coleya, Michael Orlebek, Jill Floyd

CallIn:

CC: Jim Barberetta

Host:

CUSTOMER:

Participant:

PROJECT: C170 P1 SIDE DOOR LATCH MODULES

Author:

TIME: 2:50-3:30 Tuesday

Print Date:

Closed issues may be hidden. If you wish to view them, please unhide the rows.

| Issue ID | Summary | Assignee | Start Date | End Date | Resolution | Notes |
|----------|---|--|------------|-----------|------------|---|
| 01 | <p>C11428783 change to black striker guides</p> <p>A11470706 for use of CL-A latch inventory</p> <p>A11408850 use black striker guides before PGW</p> | Striker Guide Color Change and Higher Force Reinforcement Spring | Goll | 2/11/2003 | 2/1/2003 | <p>2/11 - Why should I need to be organ guide color change adhesive washer, determined for any 2021 - Alert A1147 modules. Stan on or 2/27. If function The correct imple Alert.</p> <p>3/25-Goll needs to changeover to blue will still have new black striker guide 3/28 - Hermasillo I and 15 CL car ask someone in new 4/1 - 2 car ask will complete before for May 1st.</p> <p>4/16 - Need line in 4/22 - Alert A1148 guides prior to PG use plastic sticker 2/11-Line trial nee 03. Timing needs 3/25-Manual stick module have blue 3/25 - Hermasillo I and 15 CL car ask</p> |
| 02 | <p>C11288000 (modules)</p> <p>C11408988 (latches)</p> | Removal of Manual Latch Sticker | Goll | 2/11/2003 | 2/1/2003 | <p>2/11-Line trial nee 03. Timing needs 3/25-Manual stick module have blue 3/25 - Hermasillo I and 15 CL car ask</p> |
| 03 | C11369009 | Removal of Adhesive Washer | Goll | 2/11/2003 | 2/1/2003 | <p>2/11-Line trial nee 03. Timing needs</p> |

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|----|--|-----------|---|------|-----------|------------|--|
| 05 | | | Reinforced Strap Fastener Assembly Issue | Goal | 2/11/2003 | 5/1/2003 | 2/11 - Need proper strap features. 2/21 - ITW to quote new tabs. 35 cars 4/1 - Samples (full) 22nd per GPRS 4/22 - Reinforcers Able to be built to what these will be |
| 09 | | | Magni Coating Change | Goal | 2/11/2003 | 10/30/2003 | 2/11 - Need Ford requirement for re 2/21 - Wait for a real Ford MY 2003 and 4P build data concrete timing of agreement for the 3/25 - Need update change will go thru 2/11 - Brose is high review potential of 2/21 - Goal to set u March. 3/25 - Goal/Label 4/2 - Goal to set up reduction actions. |
| 12 | | | High Outer Release Efforts | Goal | 4/1/2003 | Ongoing | 3/25 - Technicians to make clip tighter, 1 4/4 - Technicians will Samples with tele 4/15 - Still waiting Technicians tool was marked to disband 4/22 - Skiba has n in red. Samples w |
| 14 | | | Outer Release Rod / Clip Loose | Goal | 4/1/2003 | 4/30/2003 | 4/16 - Goal needs 1 Removes CLA from Use CL module Removes front right Removes front right Removes front right Removes lock/unlock Removes lock level 4/22 - Assembly is determined and p coordinated. |
| 15 | | 011458365 | MCR Cleanup - Removing CL Parts and CL+A PN from Front Passenger Door | Goal | 4/8/2003 | 3/15/2003 | 4/15 - Wu proposes Manual latches are required validation |
| 16 | | | 4-Pin Connector on Manual Latches instead of 6-Pin Connector. | Goal | 4/15/2003 | | |
| 17 | | | | | | | |
| 18 | | | | | | | |

1-800-367-3640

7888918

B. Goll

29-Oct-04

start building machines by 3/11. Line trial
cost. This line trial will include the strike
A, removal of manual strike, receipt of
and relief. PM change. Timing needs to be
determined.

UTOS allowed the use of CLVA machines in CL
of Tony C/Agnello to conduct functional trial
is OK, they will approve Alert A11470705.
transition date needs to be entered in the

Alert to cover operations during
of silver guides (i.e. - the manual modules
and strikes until all CL part numbers have
4).

Line Trial will consist of 10 manual car sets
s. Line trial will probably take place
April.

if be used for line trial due to the timing
parts are actually shipped. POW date out

to date for Wayne and Harrisville.

6580 written to allow use of black strike
W. Alert needs to be written to allow the
replaces other PMW

to be organized with Item 01 and Item
to be determined for implementation.
to stay on under Alert until all CL
3K strike guides.

Line Trial will consist of 10 manual car sets
s.

to be organized with Item 01 and Item
to be determined for implementation.

note from Slicks regarding shortening of

a retaining strip feature from one of the
set sample order to be quoted,
(included) set to be provided to Ford on April
order.

sets were shipped from ITW on 4/18 to
into modules. Need update from Albion for
shipped to Ford.

engineering input regarding STA's
engineering changes.
sent with Goodrich and Loshline. Need to
M JI site of 10/8/83. Need concrete 1 PP
a. Brode needs to provide Ford with
sa. Goodrich to pursue all-plastic
right.

from Goodrich on whether or not the
right.

then meeting to take place on 2/14 to
design changes.

up Ford design review meeting for mid-

to starting to look at design options.

meeting with Slicks to review effort

rolling into changing tolerance on rod-end to
preventing it from rotating.

I have 8,000 rods in inventory on 4/7.

since changed will be sent to Brode by 4/8.

for samples from Techlabs. On 4/11,

changed to new tolerance, Brode will be
dialing into parts.

requested Concern to track tolerance change
also provided to Wayne on 4/17.

to write Concern. Concern changes:

1 right module from BCM.

as on front right alarm vehicles

1 lock rod from front right CL modules.

1 lock clip from front right CL modules.

1 CLA latch from BCM.

ok switch from CL and CLA latches.

ok sum from CL and CLA latches.

1 from front right CL latches.

no change costs and timing need to be

at to Concern. Line total needs to be

to use a 4-pin connector housing on
stead of 8-pin connector. Need to know
1.7 buy-in.

CIRCULATION: TO: Brandon Goll, Stacy Peashkop, Juergen Berisch, Jerry Jurisse, Al Barnhart, Alex Williams, Stan Skiba, Tim Goodchild,
Gerardo Nava, Isabel Celaya
CC: Jim Barbarotta

Call-In: 1-800-387-3840

Host: ---

CUSTOMER: [REDACTED]
PROJECT: CT70 PT SIDE DOOR LATCH MODULES
TIME: 2:30-3:30 Tuesdays

Participant: 21282986#
Author: B. Goll
Print Date: 28-Oct-04

Closed issues may be hidden. If you wish to view them, please unhide the rows.

| Issue ID | Subject | Created By | Created Date | Last Modified | Resolution |
|----------|---|------------|--------------|---------------|--|
| 01 | Remove Adhesive Washer from Reinforcement C11388806 (module) | Goll | 7/24/2002 | 12/20/2002 | <p>724-Juergen will propose to Terry on 8/24 night shift. He will also check with Eric workers.</p> <p>725-Terry gave go-ahead to remove sticker. It is no longer needed since latch is now chartered.</p> <p>726-Need to write supplement to Notice</p> <p>825-Supplement can not be written after one month past original notice - new concern must be written.</p> <p>826-Concern will be completed after reinforcement spring change has been completed.</p> <p>827-Need latch concern from Tim to change housing color and manual sticker.</p> <p>828-This change will be done in conjunction with removing the manual latch sticker all in one concern.</p> <p>825-Notice created, need concern approved at August 19th Joint Approval Meeting</p> <p>829-Concern approved - need D.K. to tool drawings. Tim needs to get latch concern out.</p> <p>829-Add 21 pt authority into latch concern. Call latch concern into Joint Approval meeting on 8/1.</p> <p>824-Peashkop/Williams to call into Joint Approval on 8/5.</p> <p>8210-Everything is released. The date of this washer will be under alert with the reinforcement spring change. Line trial will be completed with one full container of right rear modules and one full container of left rear modules.</p> <p>8217-Bosch needs GPIR3 order. 4 containers for Wayne and 4 for Heimoello.</p> <p>107-Bosch / Wayne to determine need for adhesive washer on line. Bosch also to investigate possible other solutions for improved stability.</p> <p>1082-Bosch wishes to pursue removing stickers immediately.</p> <p>1277-This adhesive washer will be removed with P8W per C11428783 - sticker guide color change</p> <p>1214-Wupperal will be kicked off this week to start the sticker guide color change. The washer removal change will be implemented with the sticker guide change.</p> |

EM4-823 5997

| Lower Force Reinforcement Spring Change | | | | | | |
|---|---|--|----------------|-----------|-----------|---|
| 04 | <p>C1198852 6002YC0049 (Boach EC)</p> <p>A1140849 (Line Trial)</p> <p>C1140843 (Bezel Change)</p> | | Gall / Reinert | 7/23/2002 | 2/31/2003 | <p>reinforcement part numbers. Point to complete Ford drawings. 7/31-God to provide O.K. to tool drawings by 8/1 8/5-O.K. to tool drawings provided on Friday (8/5) 8/6-Alex needs new reinforcement drawings, then will call into John Approvals Meeting 8/7-Need to update changes with new part number prefixes. 8/8-Drawings (module and reinf) need to be updated with new reinf part numbers. New reinforcement parts will be at Bosch on August 15th. 8/9-New listing for hydrophone into plants to be provided by Bosch. Alert needs to be written for trials and GPRS order must be complete. 8/15-Ford to redo GPRS order for 61250 set-up fee. Parts to be shipped full containers, with top parts being new rev. level and bottom parts current production. Alert has been written. Bosch will not build parts until GPRS order is approved. 8/29-Ford does not want new spring in reinf, until bezel change is made. There is an interference between the handle and bezel that the new spring can not overcome. 9/28-Alert A1140800 created to use old reinforcements (old spring) until bezel change is made to accommodate new spring. 9/29-Alex will pull a CR and Stan will send marked-up bezel drawings to Keyart. 9/30-Trial run to be completed with modified bezels and reinforcement springs (full pallets). 10/4-Keyart has sent RPO to ITW, Keyart to re-work 5 car sets of bezels and Bosch will provide 5 car sets of lower spring force reinforcements. If this trial is OK, a larger trial will be run after bezel cavity change. If this trial is OK, all bezel cavities will be changed. 10/4-Slate to contact Keyart to find out when bezels will be ready. 9/10-Need listing for bezel change. Supposed to call Simpson on 8/11 with cost and timing. 8/17-Trial to be run on 10/1/02. 3 vehicle sets for preliminary line trial at Wayne. Need listing for bezel change. 10/1-Report to T. Kolar / P. Patel for actions pertaining to this change. Keyart to provide cost and timing for re-work of bezels. Bosch will pick 10/14-Radius call-out changed to R8mm. Need Update on line trial. 10/15-Slate has received bezels from Keyart. Proceeding with line trial. Juergens to OK Keyart re-worked bezels. 10/22-Problems with line trial - need to discuss further actions. 12/17-Bosch investigating possible changes to bezel gasket to eliminate interference with handle. 1/14-Gall/Bosch investigating design solutions to implement lower force spring.</p> |

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|----|--|---|---|------|-----------|-----------|--|
| 18 | | Striker Removal: C11380808 (module) C11402896 (latches) Striker Guide Color: C11428763 | Removal of Manual Striker & Striker Guide Color Change | Goal | 7/30/2002 | 1/31/2003 | 7/28-Steve to send module ID proposal to Alex with cost for Manual latch cap. 7/31-CL and CL+A latches back to black Plants may use latch codes for 82777 This would void gaskets over connector. 7/31-Plants will use latch codes for ID. Need concern from Goodrich. Digital pictures for Glen. 8/7-Waiting for Tim to do latch concern for striker guide color only. Decided to do on separate change. 8/16-Notes created, need concern approved at August 16th Joint Approval Meeting. Service sketch goes from AA level to AB level to go along with this change. 8/4-Peddie/Phil/Kim to call into John Approval on 8/6 for approval of latch concern. 8/17-Need GP/RS order to do the trial and Alex is needed. 12/17-Manual adder will be removed with P&W of C11428763 - striker guide color change. 1/20-Engineering approval / updates complete. Need updated Striker 8/5-Skiba to search for change history ITW will provide timing for change to new screw 8/8 created 8/6-Ford wants 2 week line trial after J1, Bosch to create timing. 8/7-Need to ask Glen if part numbers will up-suffix 8/18-Part numbers will up-suffix part and readability. ITW provided cost for sample parts. Sales to quote to Ford. ITW to provide production pricing for this change. Sample parts will be supplied in complete containers. Need GP/RS order from Ford for sample parts. 8/25-Peddie/Phil to do production quote. Bingham to provide PQ with 81250 on it. 8/15-GP/RS order received, line trial to take place. 8/20-Lab tests to be completed before line trial. Goal / Skiba to determine optimal screw torque for both nut and long reinforcement screw. 10/14-Need to sign determine current torque being used on the line. 10/25-Current torque running at 2.2Nm +/- 15% per S.S.M.A. Bosch now doing torque comparisons on current and thread cutting screws. 12/17-Goal to talk to Skiba on 12/19 regarding Ford test results. Bosch also investigating other potential design solutions. 12/20-Get/Phil agree to pursue security shield change to minimize deformation with higher screw torque. Want to stay with 2.2 Nm screw torque at plant. 1/14-Goal working on design change to security shield. |
| 29 | | Future EC | T-Nut Screw Assembly tests and Long Reinforcement Screw Torque | Goal | 8/5/2002 | 2/31/2003 | 8/5-Ford wants 2 week line trial after J1, Bosch to create timing. 8/7-Need to ask Glen if part numbers will up-suffix 8/18-Part numbers will up-suffix part and readability. ITW provided cost for sample parts. Sales to quote to Ford. ITW to provide production pricing for this change. Sample parts will be supplied in complete containers. Need GP/RS order from Ford for sample parts. 8/25-Peddie/Phil to do production quote. Bingham to provide PQ with 81250 on it. 8/15-GP/RS order received, line trial to take place. 8/20-Lab tests to be completed before line trial. Goal / Skiba to determine optimal screw torque for both nut and long reinforcement screw. 10/14-Need to sign determine current torque being used on the line. 10/25-Current torque running at 2.2Nm +/- 15% per S.S.M.A. Bosch now doing torque comparisons on current and thread cutting screws. 12/17-Goal to talk to Skiba on 12/19 regarding Ford test results. Bosch also investigating other potential design solutions. 12/20-Get/Phil agree to pursue security shield change to minimize deformation with higher screw torque. Want to stay with 2.2 Nm screw torque at plant. 1/14-Goal working on design change to security shield. |

E004-873 5899

| | | | | | | | |
|----|---|------------------------|---|-------------------|------------|------------|--|
| 24 | | | Reinforcement Strap Features Issue | Goil | 8/5/2002 | 1/31/2003 | <p>8/5-Right rear reinforcements are hard to install on door - ITW to provide measurements on strap features</p> <p>8/6-Strap features on all reinforcements from all tools show same dimensions.</p> <p>8/12-Right rear reinforcement dimensions do not vary from others. Look at sheet metal dimensions?</p> <p>8/14-Goil to put together request for sheet metal dimensions.</p> <p>8/25-Parts to print - no CR issued. Goil to request sheet metal dimensions.</p> <p>10/14-Need sheet metal dims from Wayne Assy.</p> <p>10/15-Measurements need to be taken by somebody at Wayne Assy.</p> <p>12/17-Bartsch has proposed design change to "sharpen" strap features. Need to obtain samples from ITW for one trial.</p> <p>1/14-Subs late requested coordination of parts to avoid breaking issue.</p> <p>1/20-Need update from Bartsch regarding changing profile of straps.</p> |
| 34 | C | | Packaging Drawing Completion | Goil / Goodchilid | 8/13/2002 | 10/31/2002 | <p>8/13-Packaging drawing ready to review.</p> <p>8/21-Goodchilid/Goil to review on 8/28 (also bring APG-E latches and add set of P1 latches)</p> <p>8/28-Wu to make noted changes to packaging drawing to complete drawing.</p> |
| 42 | | | Hard Electrical Connector Install | Goil / Bartsch | 8/27/2002 | | <p>8/20-It was found at Wayne Assy. that electrical connections were difficult to install into power levers - Bosch investigating root cause and potential solutions.</p> <p>10/2-Bosch wishes to try grease solution. The permanent solution would be to grease the wire harness (sample connector).</p> <p>12/14-Need Alert from Tony D'Agostino to do one trial with greased latch connectors.</p> <p>12/17-Tool issue which caused burn on latch connector started in Wu, and has been completed. Parts have been sorted in Albion. Bill need answer from Laser regarding greasing the electrical connector.</p> |
| 43 | | A11480787 C11468568 | Plastic Moulding Structural Material Change | Goil | 12/15/2002 | | <p>12/18 - Issue opened to use new polystyrene material. Current material is no longer commercially available.</p> <p>1/20 - Concern will be written for material change and fulling latch lever.</p> |
| 44 | | C11468568 | Latch Outer Release Lever Band Removal | Goil | 1/14/2003 | | <p>1/14-Issue opened to remove the band in the latch outer release lever. The band in this lever may cause the sliding clip to rotate. New Concern must be written.</p> |
| 45 | | | Magni Coating Change | Goil | 1/20/2003 | Ongoing | <p>1/20-P1 latch will use Magni coating. Vertical post increase was provided to T. Goodchilid on 1/17 as \$0.15 per latch assembly.</p> <p>Need APG-E test results from Wu for 2-M latches. Bruce is looking into getting latches with Magni for APG in February. Bruce to also provide possibility of having latches for all build events and J1 on 8/4/03.</p> |
| 46 | | | Lowest High Effort Failure | Goil | 1/20/2003 | | <p>1/20-Issue opened at LPG for high outer release efforts at 0 miles. Stefan Gaudkushier at LPG on 1/21 to review failure. Need report. Bruce to provide vehicle efforts at Wayne as well.</p> |
| 47 | | | | | | | |

EPR-04-023 0000

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Tuesday, March 25, 2003 1:33 PM
To: Goll, Brandon; Pashkopia, Stacy; Bartsch, Juergen; jerry.janisse@us.bosch.com;
allen.barnhart@us.bosch.com; sskiba@ford.com; lgoodchi@ford.com;
gerardo.nava@gearindustrial.com; icelaya@ford.com; morlebek@ford.com; jfloyd5@ford.com
Subject: C170_P1_FORD_Issues
Importance: High



C170_P1_FORD_Issues.xls (317 K...

Here is the open issues list for today's 2:30 meeting.

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Wednesday, January 21, 2004 4:38 PM
To: Reeves, Scott (S.C.); Goodchild, Tim (T.O.); Ford, Randy (R.); Peshkopia, Stacy; Gelaya, Isabel (I.)
Subject: Open Issues List



Issues Lists (76
KB)

Attached is the updated open issues list for tomorrow's 7:30 telecon.

Best Regards

Brose North America, Inc.
LK5 - Closure Systems

Brandon Goll

2630 Superior Court
Auburn Hills, MI 48326
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Type: T20 - E20 A.M. Reporting and Thursday
Location: Large Commercial Areas and Telephone
Call No: 1-800-347-4548
Reference: 1200400
Distribution: B. Hill, E. Pennington, E. Conley, B. Hanna, B. Ford, Y. Gonzalez, I. Ortega
Updated: January 21, 2004 *Enter update in end.*



| | | | | | | |
|---|------------------------------|--------------------|-----------------|-------------------|---------|--|
| 8 | Legal dining with TV testing | September 28, 2003 | October 6, 2003 | December 17, 2003 | B. Hill | <p>Testing to be reviewed to include on 12/17/03 Given meeting on updated dining to all March 2004 BCP Testing to be reviewed with Legal 545 dated 1/18/04 on or before efforts in BCP Testing to be reviewed using Legal 545, 1/18/04 (over info on page 15/04) Testing to be reviewed with Ford (J. Gonzalez) week of 1/18/04. T. 7 days to set up meeting Testing to be reviewed with T. Gonzalez on 1/18/04 Ford has requested implementation date of 1/18/04. Needs to review and respond on 1/18/04. Follow-up meeting to take place on 1/20/04 @ 10:00 AM with Ford Testing completed on 1/20/04 by BCP in November 2004. Ford has requested update 1/18/04 2004. Meeting to be set up for 1/18/04 with Legal/Marketing who are first priority 1/18/04</p> |
|---|------------------------------|--------------------|-----------------|-------------------|---------|--|

12004-0723 58934

Time: 7:30 - 5:30 a.m. Tuesdays and Thursdays
Location: Large Clearance Facility/Tulsa Powerco
Call No: 1-800-887-0842
Procedure: 1892542

Workstations: S, SW, S, Parkdale, G, Ocala, G, Rowan, R, Ford, T, Granddell, I, Dallas

Updated: January 21, 2004

Amstr updates to end

| | | | | | | |
|----|---|-------------------|-------------------|--|-------------|---|
| 20 | Re-design outer sleeve pilot assembly | November 8, 2003 | November 11, 2003 | | R. Choi | Final 2-charge inner sleeve pilot, machine receipts to Magni's description (moving to be used as 1892542 as there is no need of updates). Final on gas 189244 machine for sub-assembly. Since in last 189244 version for machine update by 1892 |
| 21 | Change to design | November 8, 2003 | December 14, 2003 | | R. Choi | Design improved for better die cast part structure/weight of (Design prepared for process developed in Fall Change in re-orientation, die cast, and metal legs from Fall to present Issue to provide 200 and being by 12/18 New steel for 200 and being added to be provided (1/18/04) with order on 12/28/03 Cost to die prepared change steel 8902, 8902 in having a red lead fig. Cost not feasible (1/18/04) to be brought in by purchasing department (1/18/04) current leading part provide comparable to L204 design. Meeting to be set up issue 1/27. |
| 22 | Design detail | November 12, 2003 | November 28, 2003 | | T. Clancy | Magni detail being developed for Magni 1892542. Equipment complete date of 12/18/03. T. Clancy to provide available implementation date by 1/28 |
| 23 | Visually inspect parts failure report/issue | January 14, 2004 | January 21, 2004 | | R. Choi | Provide P. Mark's and T. Fendley with failure report/issue information (see see report/issue failure and issue) |
| 24 | EDV testing section for Magni change | January 16, 2004 | | | T. Overholt | Issue 1892542 being updated with information to stop EDV testing and go straight to EDV pilot. T. Overholt to complete issue and site flow. |
| 25 | MP's testing with Magni 400 tooling | January 26, 2004 | | | R. Choi | Issue 1892542 in shop building 1/27 |
| 26 | Magni 1892542 tooling and pilot results | January 26, 2004 | | | R. Choi | Issue 1892542 in provided with tooling and pilot results for machine tool with 1892542. Tooling order received from supplier of tooling with 25, 1892542 M, 43 M, 50 M, 48 kg Final review completed for 1892542 tooling to be mailed out by 1/28/04 |

E004-0225 2928

Time: 7:00 - 8:30 a.m. Tuesdays and Thursdays
Location: Large Conference Room and Teleconference
Call-In: 1-800-263-0847
Facsimile: 1390440
Participants: E. Galt, A. Parbhoo, C. Corley, B. Pearson, R. Reed, T. Goodwin, J. Calkins
Updated: January 21, 2004 Action updated in red

| Item | Description | Start Date | End Date | Lead | Responsible | Notes |
|------|---|-------------------|-------------------|------|-------------|--|
| 3 | Label and website post-revamp update strategy | November 3, 2003 | December 10, 2003 | | E. Pearson | How will label and website be updated to keep current location in mind? Revised label (2004) and website application (2004/2005)? How performance goals function for on-line application (2004)? How performance goals function for on-line application (2004)? |
| 4 | Develop listing | November 9, 2003 | | | W. Velt | Develop listing plan, which to be provided |
| 5 | Develop | January 20, 2004 | January 26, 2004 | | E. Galt | Make the strategy to be completed by 2/11 Revised plan from Brose file to be used during |
| 1 | Order coding solution | December 11, 2003 | December 8, 2003 | | J. Parbhoo | 1.04 Order coding presented by Brose - 101 (submitted 2/04, 1/10/2004, 1/10/2004 and 1/10/2004) 1.04 (submitted 2/04) Order Coding (submitted 2/04) and 1.04 (submitted 2/04) 1.04 specifications in 200 for test spray and 1.04 specifications in 200 for test spray 1.04 - Ford 2000 requested label order for (1) program 1.04 - J. Parbhoo checking if supplier can do (1) coding in block (by 2/11) 1.04 - 1.04 coding cannot be done in block order. 200 parts to be shipped to Ford by 2/11 1.04 - Ford has requested 4 - 22 samples (by 2/11) (2) 2000-04. Will shipping samples by 2/11 1.04 - T. Goodwin to be provided order amount and on 1/10/2004 program |
| 4 | Testing | January 5, 2004 | April 9, 2004 | | E. Galt | APQC order 2004 to be issued for (1) shipment. Issues to provide order without account for testing round evaluation Customer will provide per request of L. DeCasper (request and route (104)) Issues to provide sample testing status for (1) and 100 product status for APQC 1.04 - 1.04 and 1.04 status order @ Brose HQ, ready for APQC testing 1.04 - 2000-04 in 201 and 202 testing @ Ford for APQC testing (due in 2 weeks) |
| 5 | Specification | January 21, 2004 | | | B. Galt | Issues for in provide specifications for (1) and (2) samples (1) specifications for (1) provided from Brose HQ, but the rest in English |

E084-023 5487

Topic: 2004 - 2005 A/R, Training and Turnover

Category: Large Customer Plans and Performance

Sub-Id: 1-000-007-0040

Package: 0000000

Contributors: E. Orl, S. Panchap, C. Dwyer, E. Hagan, E. Ford, T. O'Connell, L. O'Keefe

Updated: January 11, 2004

Content updated 01/01/04

| Item | Category | Start Date | End Date | Project Lead | Status | Notes |
|------|------------------|------------------|----------|--------------|--------|---|
| 1 | Training | January 10, 2004 | | | E. Orl | Final review requested for 2004 (right away) for the time with E. Orl review of all items back. Review to update members. FPOI sent to TPO on 1/10/04 1/10 - 2004/01/10 - sent to top of local 00 meetings Review Requesting 00/00/00 |
| 1 | Temporary Assign | January 12, 2004 | | | E. Orl | MIS - Review will review 01/12/04 meeting review 01/12/04 meeting change to meet MIS - E. Panchap in quote to M. Hagan and review will start upon receipt of new Plan MIS - CL, review part, shipping with white white red 01/12/04 E. Ford requests that white white be placed on review for ability to packaging 0000 01/12/04 (000000) 000000 with 01/12/04 on other side of meeting 01/12/04 000 - Review will temporarily put plan on an actually 01/12/04 white white in packaging - per request of E. Ford on 1/12/04. Review will provide quote for materials appropriate to the location by 01/12/04. |
| 1 | Plan Change | January 10, 2004 | | | E. Orl | 01/10 - E. Ford review the low-change summary by meeting up for review 01/10/04 01/10 - Meet to investigate returned parts for amount of failure |

EPO4-023 0000

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Wednesday, January 28, 2004 4:14 PM
To: Goodchild, Tim (T.O.); Ford, Randy (R.); Reeves, Scott (S.C.); Celaya, Isabel (I.); Peshkopia, Stacy
Subject: C170 P1 Issues List



Issues List.xls (78
KB)

Attached is the open issues list for tomorrow's 7:30 teleconference.

Best Regards

Brose North America, Inc.
LK5 - Closure Systems

Brandon Goll

2630 Superior Court
Auburn Hills, MI 48326
USA
Phone: +1 (248) 754 1825
Fax: +1 (248) 364 2306
Mobile: +1 (734) 693 4542
Email: Brandon.Goll@brose.net

Title: LHM - LHM-1000, Reporting and Technology

Location: Large-Capabilities Press and Information

Call No: 1-800-497-0840

Program: 1000000

Author(s): B. Galt, S. Pennington, M. Hocking, R. Henson, K. Ford, T. Knapik, I. Dalglish, T. Taylor, S. Schmitt

Approved: January 28, 1994

Laboratory Name

| | | | | | | |
|----|--|--------------------|-------------------|------------------|------------|--|
| 16 | Review data and the limited available modeling | September 04, 1993 | February 07, 1994 | | L. Schmitt | <p>Review to include but not limited to:</p> <ul style="list-style-type: none"> Model used in T. Schmitt on 1/20/94 Model used in T. Schmitt on 1/20/94 Model used in T. Schmitt on 1/20/94 Model used in T. Schmitt on 1/20/94 |
| 17 | LHM-1000 modeling with Large-Capabilities | November 1, 1993 | November 21, 1993 | | T. Schmitt | <p>Model update of LHM-1000 modeling with Large-Capabilities</p> <ul style="list-style-type: none"> Model update of LHM-1000 modeling with Large-Capabilities Model update of LHM-1000 modeling with Large-Capabilities Model update of LHM-1000 modeling with Large-Capabilities |
| 18 | Applied modeling of LHM-1000 and source modeling | November 1, 1993 | November 17, 1993 | January 14, 1994 | B. Galt | <p>Applied modeling of LHM-1000 and source modeling</p> <ul style="list-style-type: none"> Applied modeling of LHM-1000 and source modeling Applied modeling of LHM-1000 and source modeling Applied modeling of LHM-1000 and source modeling |
| 19 | Modeling data for LHM-1000 modeling | November 1, 1993 | November 11, 1993 | | B. Galt | <p>Modeling data for LHM-1000 modeling</p> <ul style="list-style-type: none"> Modeling data for LHM-1000 modeling Modeling data for LHM-1000 modeling Modeling data for LHM-1000 modeling |

2004-023 5849

| Year 2011 - 2012 Location Europe Country Germany Plant Mannheim Product ... Project ... | | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|-------------------------------------|------------------|--------------------|-------------------|--------|------|------|---|
| 01 | Change order | November 4, 2010 | September 18, 2011 | February 28, 2014 | 1. 001 | | | Change order for ... Design |
| 02 | Supply order price index adjustment | January 16, 2011 | January 16, 2011 | | 1. 001 | | | ... |
| 03 | CV Index Index for Supply Change | January 16, 2011 | | | 1. 001 | | | ... |
| 04 | Supply Order Price Index Adjustment | January 16, 2011 | January 16, 2011 | | 1. 001 | | | ... |

E004-023 5899

Team: 270 - EOP A&B, Technology and Strategy
Location: Lower Chesapeake Park and Transportation
Address: 1200 2nd St
Maneuver: 1200 A&B
Participants: E. Galt, R. Pennington, R. Conroy, R. Brown, R. Ford, T. Ghoshal, J. DeLuca, F. Fagan, R. Heston
Updated: January 24, 2024 **Last updated by:**

| | Start Date | End Date | Day | Time | Description |
|---|------------------|------------------|-----|-------|---|
| 1 | December 9, 2023 | | W | 9:00 | Updated Billing plan needs to be presented. LMS - Review to manage potential of implementing changes by 2024 Q1, as change continues to be for 2024. LMS and management to review and have before panel. |
| 2 | January 10, 2024 | January 21, 2024 | T | 10:00 | Review progress to be completed by LMS. Review status from Teams. We go to have before planning. |
| 3 | January 24, 2024 | January 24, 2024 | W | 10:00 | E. Pennington to take minutes on A station. Minutes of A station. |
| 4 | January 24, 2024 | January 24, 2024 | W | 10:00 | CAF - EOP A&B progress needs to be updated call by EOP A&B. |

| | | | | | |
|--------------------|--|--|--|--|--|
| [REDACTED SECTION] | | | | | |
|--------------------|--|--|--|--|--|

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|---|------------------|----------------|---|-------|---|
| 5 | January 9, 2024 | April 22, 2024 | F | 10:00 | A-P and other needs to be looked for 1/14 meeting. Review to provide strategy without discussion for strategy board evaluation. Discussion on details for proposed call. On the agenda for the next call. Review to provide sample strategy for 7/1 and 8/1 around strategy for 2024. P&G - EOP A&B (LMS) needs to be done by EOP A&B, ready for A-P&G meeting. P&G - Review with EOP A&B (LMS) meeting. EOP A&B (LMS) meeting 1/14 to be updated. |
| 6 | January 23, 2024 | | F | 10:00 | Review EOP to provide sample strategy for 7/1 and 8/1 meeting. 1/14 presentation on EOP presented from Teams. We, but do not do it right. |
| 7 | January 24, 2024 | | F | 10:00 | LMS - EOP A&B (LMS) meeting with EOP A&B (LMS) meeting, 1/14 to be updated on LMS. |

| | | | | | |
|---|------------------|--|---|-------|--|
| 8 | January 14, 2024 | | F | 10:00 | EOP A&B (LMS) meeting with EOP A&B (LMS) meeting, 1/14 to be updated on LMS. Review to provide sample strategy for 7/1 and 8/1 meeting. 1/14 presentation on EOP presented from Teams. We, but do not do it right. Review to provide sample strategy for 7/1 and 8/1 meeting. 1/14 presentation on EOP presented from Teams. We, but do not do it right. |
|---|------------------|--|---|-------|--|

EN04-023 5951

Wahl 2004 - 2005

Wahlkreis: 100 - 200 St. Wendel und Wörsch

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Wahlkreis: 100 - 200 St. Wendel und Wörsch

Wahlkreis: 100 - 200 St. Wendel und Wörsch

| Nr. | Beschreibung | Datum | Datum | Menge | Menge | Anmerkungen |
|-----|---|-----------------|-----------------|--------|--------|--|
| 2 | Small political party (political party) | January 2, 2004 | January 2, 2004 | 10.000 | | Small political party (political party) Change of 10 on each column |
| 1 | Small political party (political party) | January 2, 2004 | | 10.000 | 10.000 | Small political party (political party) Change of 10 on each column |
| 1 | Small political party (political party) | January 2, 2004 | | 10.000 | 10.000 | Small political party (political party) Change of 10 on each column |

ERN-023 5852

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Monday, February 02, 2004 11:11 AM
To: Goodchild, Tim (T.O.); Reeves, Scott (S.C.); Ford, Randy (R.); Celaya, Isabel (I.); Peshkopia, Stacy; Taylor, Tim
Subject: Open Issues List



Issues List.xls (85
KB)

Attached is the open issues list for tomorrow's 7:30 teleconference.

Best Regards

Brose North America, Inc.
LKS - Closure Systems

Brandon Goll

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USA
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Mobile: +1 (734) 693 4542
Email: Brandon.Goll@brose.net

Firm: TGI - 650 Park Technology and Services
Location: Long Beach/Orange/Redwood Valley
Call No: 1-800-877-8888
Passcode: 1000000
Project/Client: A. Galt, B. Potholakis, C. Chang, D. Farnon, E. Fink, T. Gaudin, J. Collins, T. Taylor, B. Schuman, B. Stitts
Updated: February 9, 2004 **Client address is not**

| Item | Description | Start Date | End Date | Project Manager | Client Name | Notes |
|------|---|------------------|-------------------|-------------------|-------------|--|
| 21 | Website redesign | November 4, 2003 | December 14, 2003 | February 23, 2004 | A. Galt | Website redesign for TGI's new corporate website. Design proposed for website submitted to client. Completed in November, the client had not made final F and G project. Initial site redesign and testing by TGI. Main body for main and menu already made completed (1/13/04). Had issues on 1/13/04. Client is in progress of design, 1/22/04 is going and testing. Client not available. TGI to be brought in to determine potential website design and layout and provide responses in 1/22/04 design. Meeting on 1/22/04 at client HQ. Meeting scheduled for 1/22/04 - 1/23/04 to discuss potential design and layout. TGI - 1/22/04 meeting not using 1/22/04 as start date on CTR. 1/22/04 meeting results to be reviewed 1/23/04. |
| 22 | Website redesign post launch implementation | January 14, 2004 | January 14, 2004 | | A. Galt | A. Galt to provide B. Schuman and T. Taylor with before implementation information from the implementation before and after. |
| 23 | CV writing related to TGI design | January 14, 2004 | | | T. Taylor | Initial CV in the implementation within implementation to TGI CV writing and go through CV/CP. T. Taylor to complete before and after. Must include the client's CV writing, with completed with pending response. |
| 24 | Design of 1/13/04 and other needs | January 14, 2004 | January 14, 2004 | | B. Galt | Initial CV in the implementation within implementation to TGI CV writing and go through CV/CP. T. Taylor to complete before and after. Must include the client's CV writing, with completed with pending response. Initial CV in the implementation within implementation to TGI CV writing and go through CV/CP. T. Taylor to complete before and after. Must include the client's CV writing, with completed with pending response. Initial CV in the implementation within implementation to TGI CV writing and go through CV/CP. T. Taylor to complete before and after. Must include the client's CV writing, with completed with pending response. |
| 25 | Final / Post Launch Website | February 1, 2004 | | | B. Galt | Design 1/13/04 meeting before implementation within implementation to TGI CV writing and go through CV/CP. T. Taylor to complete before and after. Must include the client's CV writing, with completed with pending response. |

ENR-823 5941

Time 7:00 - 8:00 A.M. Tuesday and Thursday

Location Lager/Chirurgie, Pflanzl. und Zahnklinik

Code: 100000-0000

Personnel: 1000000

Responsible: E. Graf, E. Fiedler, C. Grottel, H. Krenn, B. Pohl, T. Bredemeyer, I. Grottel, T. Kasper, B. Grottel, H. Krenn

Startdate: January 2, 2004

Label number is not

| | | | | | | | |
|---|----------------|------------------|------------------|--|---------|--|--|
| 6 | Monday Meeting | December 8, 2003 | | | W. Voth | | Approved liability claim results to be processed - Status by tomorrow, possibility of up-coming changes by the FDA bodies, as always - Items to be in the 2004/05 and also part of 2004/05 will have to be added |
| 7 | Monday | January 19, 2004 | January 19, 2004 | | H. Graf | | Monday Meeting in the afternoon by 1:30 - Items to be in the 2004/05 and also part of 2004/05 will have to be added - Status by tomorrow, possibility of up-coming changes by the FDA bodies, as always |
| 7 | Monday | January 19, 2004 | January 19, 2004 | | H. Graf | | H. Fiedler to add notes to H. Graf - Status by tomorrow, possibility of up-coming changes by the FDA bodies, as always |
| 8 | Monday Meeting | January 26, 2004 | February 2, 2004 | | H. Graf | | 2004/05 items to be added to the 2004/05 list - Status by tomorrow, possibility of up-coming changes by the FDA bodies, as always |

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|---|----------------|------------------|----------------|--|---------|--|--|
| 8 | Tuesday | January 2, 2004 | April 19, 2004 | | H. Graf | | 2004/05 items to be added to the 2004/05 list - Status by tomorrow, possibility of up-coming changes by the FDA bodies, as always |
| 9 | Wednesday | January 14, 2004 | | | H. Graf | | 2004/05 items to be added to the 2004/05 list - Status by tomorrow, possibility of up-coming changes by the FDA bodies, as always |
| 9 | Monday Meeting | January 19, 2004 | | | H. Graf | | 2004/05 items to be added to the 2004/05 list - Status by tomorrow, possibility of up-coming changes by the FDA bodies, as always |

| | | | | | | | |
|---|---------|------------------|--|--|---------|--|--|
| 9 | Tuesday | January 19, 2004 | | | H. Graf | | 2004/05 items to be added to the 2004/05 list - Status by tomorrow, possibility of up-coming changes by the FDA bodies, as always |
|---|---------|------------------|--|--|---------|--|--|

EPO4-023 1942

| Workplan to Use U204 Die Cast Parts for CT10 Reinforcement | | | 25-Jan | | | | 1-Feb | | | | | | | | |
|--|----------|--------------|--------|---|---|---|-------|---|---|---|---|---|---|---|---|
| Task | Company | Responsible | W | T | F | S | S | M | T | W | T | F | S | S | M |
| Tasks Established | All | | ■ | | | ■ | ■ | | | | | | ■ | ■ | |
| U204 Spring Drawing to Brose | ITW | M. Mikeris | | ■ | | ■ | ■ | | | | | | ■ | ■ | |
| Packaging Study | Ford | S. Reeves | ■ | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | |
| Die Cast Model / Drawing to Brose | ITW | M. Mikeris | | ■ | | ■ | ■ | | | | | | ■ | ■ | |
| New Rod Designs | Brose | B. Goll | | | | ■ | ■ | | | | | | ■ | ■ | |
| Front - Race Track Style | Brose | B. Goll | | ■ | | ■ | ■ | | | | | | ■ | ■ | |
| Front - Dumbbell Style | Brose | B. Goll | | | | ■ | ■ | | ■ | | | | ■ | ■ | |
| Rear - Using U204 Die Cast | Brose | B. Goll | | | | ■ | ■ | | | | ■ | | ■ | ■ | |
| Rear - Using New Die Cast Design | Brose | B. Goll | | | | ■ | ■ | | | | ■ | | ■ | ■ | |
| CAE with New Die Cast | Brose | T. Taylor | | | | ■ | ■ | | | | ■ | | ■ | ■ | |
| Send New Rod Designs to Techform for Quote | Brose | B. Goll | | | | ■ | ■ | | | | | | ■ | ■ | |
| Techform Quote New Rods | Techform | | | | | ■ | ■ | | | | | | ■ | ■ | |
| ITW Quote New Die Cast Tool (for increased Volume) | ITW | | | | | ■ | ■ | | | | | | ■ | ■ | |
| ITW Quote New Die Cast Tool (for New Rear Design) | ITW | | | | | ■ | ■ | | | | | | ■ | ■ | |
| Brose Quote New Rods and Die Casts | Brose | D. Davis | | | | ■ | ■ | | | | | | ■ | ■ | |
| P2 Latch Travels and Efforts | Ford | T. Goodchild | ■ | ■ | ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | ■ | |

 Confirmed Timing
 Unconfirmed Timing
 Task Completed

| 8-Feb | | | | | 15-Feb | | | | | 22-Feb | | | | | 29-Feb | | | | | 7-Mar | | | | | | | | | | | |
|-------|---|---|---|---|--------|---|---|---|---|--------|---|---|---|---|--------|---|---|---|---|-------|---|---|---|---|---|---|---|---|---|---|---|
| T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F |
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From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Wednesday, February 04, 2004 4:53 PM
To: Goodchild, Tim (T.O.); Sahutske, William (W.); Reeves, Scott (S.C.); Ford, Randy (R.); Celaya, Isabel (I.); Taylor, Tim; Peshkopia, Stacy
Subject: FW: Open Issues List



Issues List.xls (89
KB)

The attachment might be useful.

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

From: Goll, Brandon
Sent: Wednesday, February 04, 2004 4:43 PM
To: Tim Goodchild (tgoodchi@ford.com); Sahutske, William (W.); 'Reeves, Scott (S.C.)'; Ford, Randy (R.); 'icelaya@ford.com'; Taylor, Tim; Peshkopia, Stacy
Subject: Open Issues List

Attached is the open issues list for tomorrow's 7:30 telecon.

Best Regards

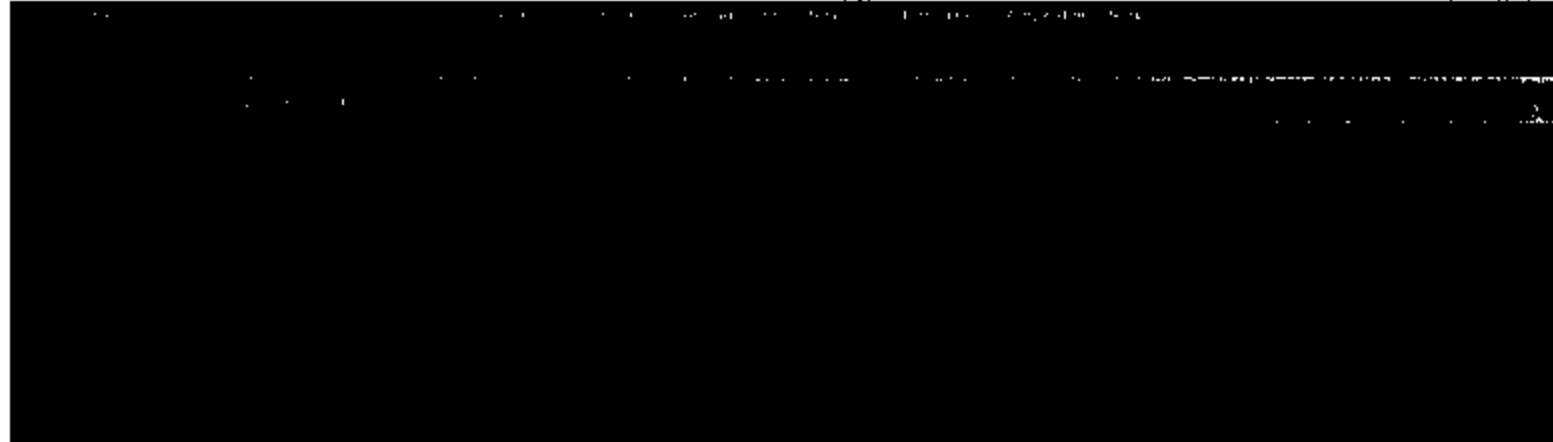
Brose North America, Inc.
LK5 - Closure Systems

Brandon Goll

2630 Superior Court
Auburn Hills, MI 48326
USA
Phone: +1 (248) 754 1825
Fax: +1 (248) 364 2306
Mobile: +1 (734) 693 4542
Email: Brandon.Goll@brose.net

Year: 2004 - 2005

Location: Large Conference Room and Teleconference
Client: 1-800-927-6642
Reference: 12001400
Distribution: B. Galt, B. Pennington, B. Powell, A. Post, T. Swartzel, J. O'Quinn, K. Taylor, B. Strubbe
Updated: February 4, 2004 L&L as updates in and



| | | | | | | |
|---|----------------------------------|--------------------|-----------------|------------------|----------|--|
| 6 | Magel during each hot TV meeting | September 28, 2003 | October 8, 2003 | January 20, 2004 | T. Gandy | <p>From an email received on 1/20/04 Steve vs Argy on updated meeting to be March 2004 2004 Timing in the re-estimated when Argy's ERM value held under advice to MN Timing in the re-estimated when Magel's ERM (E) from history available Timing in the re-estimated when Ford (T. Gandy's) work of 14-004 T. Taylor to set up meeting Meeting will be scheduled with T. Swartzel on 1/20/04 Ford has requested a meeting on 1/20/04 Steve to review and respond on 1/20/04 Follow-up meeting to take place on 1/20/04 @ 10:00 AM with Ford Timing presented on 1/20/04 to 1/20/04. Ford has requested a meeting on 1/20/04 July 2004. Meeting to be set up for local L&L with Magel/Wendell on 1/20/04 L&L status Information for L&L of 11:00 AM will be provided. Magel, Ford in discuss meeting process operations FY and full scheduled for 1/20/04 - 4/02 1:00 - This meeting appointment from Steve W's need to be reviewed with Ford GP - Steve W's @ Steve W's for work in memo meeting - set up memo work of 1/20/04 Ford 1:00 - Ford meeting, 1/20/04 1:00 PM meeting to discuss meeting</p> |
|---|----------------------------------|--------------------|-----------------|------------------|----------|--|

E084-023 5931

Time: 1.30 - 5.00 p.m., Tuesday and Wednesday

Location: Large Conference Room and Exhibition Area

Call no: 1-800-877-6645

Presented by: (BIB) Ltd

Chairman: H. Gell, H. Pennington, H. Penney, R. Povey, T. Woodhouse, I. Colgate, T. Thynne, C. Kinnear

Updated: February 4, 2004 Latest updates to mail

| | | | | | | |
|----|---|--------------------|-------------------|---------------|--------------|---|
| 16 | Cylinder stand for lab use with integral cooling | September 24, 2003 | February 17, 2004 | | B. Balthasar | <p>Stand to allow lab work done with compressed gas. Stand will be T-shaped and will be made of mild steel. Stand will be prepared and finished in black. Stand will be prepared to hold 10 cylinders. Stand will be prepared to hold 10 cylinders. Stand will be prepared to hold 10 cylinders. Stand will be prepared to hold 10 cylinders.</p> |
| 17 | APC-6 cooling unit integral BM cooling | November 9, 2003 | November 24, 2003 | | T. Woodhouse | <p>Stand to allow lab work done with compressed gas. Stand will be T-shaped and will be made of mild steel. Stand will be prepared and finished in black. Stand will be prepared to hold 10 cylinders. Stand will be prepared to hold 10 cylinders. Stand will be prepared to hold 10 cylinders. Stand will be prepared to hold 10 cylinders.</p> |
| 18 | Cylinder cooling unit, includes cool water supply | November 2, 2003 | November 10, 2003 | July 14, 2004 | H. Gell | <p>Stand to allow lab work done with compressed gas. Stand will be T-shaped and will be made of mild steel. Stand will be prepared and finished in black. Stand will be prepared to hold 10 cylinders. Stand will be prepared to hold 10 cylinders. Stand will be prepared to hold 10 cylinders. Stand will be prepared to hold 10 cylinders.</p> |

EM04-023 0902

Time: 7:01 - 8:20 A.M. Tuesday and Thursday
Location: Large Warehouse Parts and Telephones
Office: 1-800-227-1242
Form: 1288-001

Distribution: B. Hill, S. Potholke, R. Potholke, R. Ford, T. Goodrich, L. Camp, T. Taylor, S. Reynolds

Update: February 4, 2004 Label updated by me.

| | | | | | |
|----|---------------------------------|------------------|--|--------|---|
| | | | | | |
| 26 | Peter J Road Building Selection | February 8, 2004 | | A. Det | <p><small>Page 1 of 2 (2004) contains higher order information for all orders received in other than location 01000.</small></p> <p><small>20 - Action plan to be discussed with 2004 Management</small></p> <p><small>20 - Only action to be taken current release vehicle is available</small></p> <p><small>Some requests to confirm with available on site/road, location release only</small></p> |
| | | | | | |

E904-023 5934

Topic: 7:00 - 8:00 a.m. Feedback and Thursday

Location: Large Conference Room and Teleconference

Call-In: 1-800-423-9935

Facilitator: GMB/ML

Co-facilitator: R. Gail, E. Partridge, K. Reeves, R. Ford, T. DeWitt, G. Galpin, T. Taylor, E. Williams

Updated: February 4, 2004

(Subject to change)

| Item | Topic | Start Date | End Date | Facilitator | Notes |
|--------------------|---------------|------------------|------------------|--------------|---|
| 6 | Feedback | January 29, 2004 | February 4, 2004 | R. Gail | APQAC coverage to be completed by ML Please note from Steve W. that there is a meeting scheduled for Wednesday evening for submission to B2F1 Please note: Thursday AM meeting from T. DeWitt |
| 7 | Media | January 22, 2004 | January 23, 2004 | E. Partridge | E. Partridge to talk about A. Williams meeting in all of January |
| 8 | APQAC Report | January 28, 2004 | February 4, 2004 | R. Gail | APQAC will be with Steve W. in an effort to get from MA Steve W. to send the report for review through the process This report will E. Williams will send a report through the process, Steve W. will provide feedback |
| [REDACTED SECTION] | | | | | |
| 4 | Testing | January 21, 2004 | April 21, 2004 | R. Gail | APQAC team needs to be updated for the 2004 meeting. Steve to provide further feedback regarding the existing APQAC presentation. DeWitt will provide you request of L. DeChagny (request and team still) Steve to provide APQAC team status for 120 and 122 meeting status for APQAC 120 - 121 will 122 status report to Steve MA - study the APQAC meeting 122 - Steve will 121 and 122 meeting of Ford for APQAC meeting from 8-3 meeting |
| 5 | Specification | January 12, 2004 | TBD | R. Gail | Steve W. will provide specifications for 121 and 122 meeting 120 specification for 120 presented about Steve W., but the one in English. 120 report provided GMB 120 - Steve to be the 120: Steve, Steve for 120 meeting (20) |
| 8 | APQAC Report | January 28, 2004 | | R. Gail | 120 - Ford to provide Steve with status for 120 meeting, which is under on 120 Steve to provide meeting presentation to Steve 120 120 - Steve to provide status for Steve and Steve 120 - Steve and Steve to be presented by 12 120 - Steve to provide status for Steve W. 120 meeting - Steve Steve will provide Steve will provide Steve will provide |

E904-023 2935

Title: 201 - 2016 a.m. Tractor and Tractor
Location: Large Conference Room and Teleconferencing
Order: 1.0000000000
Part Number: 1.0000000000

Created by: S. Post, S. Post, S. Post, S. Post, T. Davidson, L. Camp, T. Taylor, E. Schmitt
Updated: February 4, 2016

| | | | | | | | |
|---|-----------|------------------|--|--|--|--|---|
| 1 | Tractor | January 13, 2016 | | | | | <p>Part not included in pricing sheet used for the 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> |
| 1 | Part name | January 13, 2016 | | | | | <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> |
| 1 | Tractor | January 13, 2016 | | | | | <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> |
| 1 | Tractor | February 3, 2016 | | | | | <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> |
| 1 | Tractor | February 4, 2016 | | | | | <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> <p>1000 - 2016 bid. It is an extra amount on your bid. Please see quote number 1000000000 for the 2016 bid. (1000000000)</p> |

2016-02-23 09:38

| | | | 26-Jan | | | | | 1-Feb | | | | | 8-Feb | | | | | 15-Feb | | | | | 22-Feb | | | | | 29-Feb | | | | | 7-Mar | | | | | | | | | | |
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| | | | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | | |
| Tasks Established | AL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IBM Spring Cleanup to Green | TYW | M. Alkhatib | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Packageing Study | Ford | D. Balyas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Die Cast Model / Drawing to Green | TYW | M. Alkhatib | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| New Part Design | Ernst | S. Goh | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part - Race Track Style | Ernst | S. Goh | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part - Dumbbell Style | Ernst | S. Goh | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part - Using USOH Die Cast | Ernst | S. Goh | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part - Using New Die Cast Design | Ernst | S. Goh | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHE with New Die Cast | Bach | T. Taylor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Send New Part Design to Thomson for Quote | Bach | S. Goh | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thomson Quote New Part | Thomson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TYW Quote New Die Cast Tool for Increased Volume | TYW | M. Alkhatib | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TYW Quote New Die Cast Tool for New Part Design | TYW | M. Alkhatib | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ernst Quote New Part and Die Cast | Ernst | D. Davis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PR Launch Tracks and Etcetera | Ford | S. Shylak | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Confirmed Timing
 Unconfirmed Timing
 Task Complete

From: Wirths, Rainer [Rainer.Wirths@brose.net]
Sent: Monday, March 01, 2004 4:16 PM
To: sreeves2@ford.com; washatsk@ford.com; Wilde, Andreas; Conley, Christopher; Giesey, Tony; Pashkopia, Stacy; ford17@ford.com; Rundell, David; Taylor, Tim
Subject: Open Issue List



Open-Issues List
Ford-BroseNA...

Hello,

I have updated the open issue list and will distribute it in future before the meeting starts.

Mit freundlichen Grüßen/Best Regards
LKS2-Konstruktion

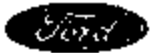
Rainer Wirths

German contact information:

Phone: +49 (202) 4667 504
Fax: +49 (202) 4667 517
Mobile: +49 (160) 742 3398

US contact information:

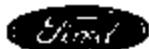
Phone: +1 (248) 754-1825
Fax: (248) 364-2306
Mobile: +1 (248) 535-7357
mailto:Rainer.Wirths@brose.net



Time: 7:30 - 8:30 a.m. Tuesdays and Thursdays
 Location: Large Conference Room and Teleconference
 Call-In: 1-800-552-3946
 Presentation: 10000430
 Distribution: W. Schumke, E. Reverts, R. Ford, L. Collins, T. Taylor, A. Bittler, Y. Joo, S. Potholke, B. Brandel, C. Corley, R. Wirth
 Updated: 03/22/04 by Brose MA/WRW
 Latest updates in blue | closed items in black | open items in red

| | | | | | | |
|----|---|-----------|-----------|----------|----------------------|---|
| 8 | Magnet string with test PV testing | 28-Sep-03 | 8-Oct-03 | 5-Mar-04 | R. Wirth A. Wirth | <p>Timing to be reviewed in detail on 10/16/03</p> <p>Brose working on updated timing to hit March 2004 SOP</p> <p>Timing to be re-established since Magni 695 units issued over previous efforts to date. Timing to be created using Magni 3005, 1ME (lower friction condition).</p> <p>Timing to be reviewed with Ford (T. Goodrich) week of 1/24/04. T. Taylor to set up meeting.</p> <p>Timing will be reviewed with T. Goodrich on 1/29/04.</p> <p>Ford has requested implementation date of latest July 2004. Brose to review and respond on 1/23/04.</p> <p>Follow-up meeting to take place on 1/29/04 in Rome Aft with Ford</p> <p>Timing presented on 1/23 for SOP in November 2004. Ford has requested again latest July 2004. Meeting to be set up for latest 1/23 with Magni/Potholke WU to find common date items.</p> <p>Teleconference for 1ME @ 11:00 am with Brose, Magni, Ford to discuss meeting process optimization</p> <p>PV test setup completed for 2/17 - 4/27</p> <p>1/24 - Time saving opportunities from Brose WU need to be reviewed with Ford</p> <p>2/22 - Brose MA @ Brose WU site visit to understand timing - set up review week of 2/8 with Ford</p> <p>2/23 - Ford requests timeline. After 2/23 teleconference to discuss timing</p> <p>2/11 - Ford/Brose teleconference to be held on 2/12</p> <p>After meeting on 2/12/04 new timing to be established as first priority late Feb structure meeting</p> <p>Goal is to create a schedule and to present to Ford</p> <p>Global and approval from FORD required</p> |
| 12 | Define dual test (or tested with Magni) testing | 24-Sep-03 | 27-Feb-04 | | W. Schumke | <p>Brose to define test with dual and increased</p> <p>Goal met on T. Goodrich on 10/27</p> <p>Send Ford input for proposed test</p> <p>Brose to review test method (2. Revolve)</p> <p>Goal test proposed review on T. Goodrich and E. Reverts on 1/23/04</p> <p>W. Schumke to investigate Magni</p> <p>2.2/2 test proposals for APQ on comparative test send to E. Schumke for updates with Ford present test</p> <p>Comments pulled on 2/23/04 in release updated B.S.C. 1118002</p> |
| 17 | APQ-E testing with Magni 695 torque | 24-Sep-03 | 21-Apr-03 | 7 | W. Schumke | <p>Need update in when torque test set picked up for 2/16 test phase</p> <p>1.1/16 test to be picked up by Brose for 7/02 testing</p> <p>1.1/16 test picked up and will be tested @ Brose WU</p> <p>Assembly test results from Brose WU for first samples</p> <p>Brose to provide samples ready date for BL19C (originally 2/16/04)</p> <p>Timeline with BL19C will be shipped from Brose WU on 1/21</p> <p>1.1 car sets of PV testing with BL19C @ Brose WU on 1/22 - need to know day and start date from Ford</p> <p>2 car sets provided to Ford on 1/28</p> <p>1.1/16 test after correct grade of Magni is received.</p> |

5984-023 4911



Time: 7:30 - 8:30 a.m., Tuesdays and Thursdays
Location: Large Conference Room and Teleconference
Cell-#: 1-800-367-9544
Passcode: 1329440
Distribution: W. Schulze, E. Reeves, R. Ford, J. Coffey, T. Taylor, A. White, T. Green, S. Pankrath, D. Rucial, C. Carley, R. Wirth
Updated: 29.02.2004 by Dross HAW/rlw

Last update in blue, stated issues in black, open issues in red.

| | | | | | | | |
|----|---|-----------|-----------|-----------|------------------------------------|-----------|--|
| 18 | Applied testing effort program cost estimate analysis | 3-Nov-03 | 17-Dec-03 | | R. Wirth | | <p>4 more hours with same program to be tested. Brose to provide start and end times of test. Latency will be evaluated every 1000 cycles after 2000 cycle mark.</p> <p>One hour pulled out of 17000 cycles and evaluated. Their release effort increased from 54N to 40N. Root cause analysis - note that panel cost now covers all effort increase.</p> <p>Maintaining 3 systems below 600 increased after 20000 cycles.</p> <p>One mistake @ 80N after 20000 cycles, will take this off for evaluation @ around 75N.</p> <p>By Q3/04 to create reports for testing by 1/14/04</p> <p>Results of test provided - comparison comparison plan being developed by Brose</p> |
| 20 | 0-charge over release effort program | 8-Nov-03 | hold | | T. Taylor / R. Wirth | | <p>0-charge over release effort reduction program is 14kg weight gain meaning to be held on 100000 at these to reduce all options.</p> <p>Goal to get USD4 reduction for benchmark.</p> <p>Brose to test USD4 reduction for possible action by 1/23</p> <p>USD4 CRE - PL - NA</p> <p>FR - 40.3, 48.4, 48.4, 43.9 PL - 56.4, 57.7, 52.2, 54.8 RR - 53.8, 58, 70.0, 58.5</p> <p>Brose test steps to set up 1000 with Drosser Ford to test more vehicles on LBS</p> <p>USD4 CRE tested on 120004 (3 vehicles)</p> <p>RF - Avg=41.5 Max=45.5 Min=37.5 LF - Avg=48.3 Min=50.0 Max=44.8 RL - Avg=42.5 Min=44.5 Max=39.5 LA - Avg=42.8 Max=45.5 Min=39.5</p> <p>Awaiting results of stress re-design to determine further actions</p> |
| 21 | Chassis re-design | 5-Nov-03 | 12-Dec-03 | 27-Feb-04 | R. Wirth D. Reeves T. Taylor | 27-Feb-04 | <p>Design proposal for higher the cost level mechanical advantage</p> <p>Design proposal for chassis submitted to Ford</p> <p>Changes to:</p> <ul style="list-style-type: none"> relocators, die cast, and Need input from Ford to proceed Brose to provide cost and timing by 12/10 Major risks for cost and timing needs to be provided (1/18/04) WJ review on 12/04 <p>Cost to do proposed changes about 2000,000 in testing and testing. Cost not feasible.</p> <p>ITV is not thought to be alternative proposed changes which current testing and provide comparison to USD4 design. Needing to be set up about 1/27.</p> <p>Timing scheduled for Wed. 1/28 with ITW to discuss potential changes which current testing</p> <p>WJ - Invoicing status stated the using USD4 die cast lever on C170 splines/mounts</p> <p>Workplan needs to be finalized (1/28)</p> <p>Analysis (12/20/03) shows only small advantages -8% potential here reduction</p> <p>Further steps to be discussed</p> |
| 22 | CV manufacturing for Magn change | 29-Jan-04 | | | W. Schulze R. Wirth | | <p>Steps WJ has requested written confirmation to stop CV testing and go straight to PV parts.</p> <p>Y. Completed to complete 4 for end distribution.</p> <p>Need to know from Brose WJ that CV testing was completed with previous samples.</p> <p>Data to be provided on 1/28/04</p> <p>204 - CV testing should be done with Andriose/Magn confirmation</p> <p>211 - Ford will supply CV test results from previous samples</p> |



Time: 7:00 - 8:30 a.m. Tuesdays and Thursdays
Location: Large Conference Room and Teleconference
Call-In: 1-800-807-8840
Passcode: 1288488
Distributors: W. Strabala, B. Reeves, R. Paul, L. Calvey, T. Taylor, A.W.Boh, T.Obenay, S. Pashkovic, D.Ferdal, C. Conley, R. Wirth
Updated: 02/02/2004 by Scott MANNWYR Latest updates in this e-mail have to reach open issues in red

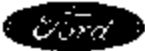
| | | | | | | |
|----|-------------------------------|-----------|-----------|-------------------------|---|---|
| 22 | Riser / Post Coating Solution | 22-Feb-04 | 24-Feb-04 | W. Strabala / R. Wirth | <p>Migra 200 APGE creates higher water content alarm due to friction coefficient @ 1000-psi interface (-10 NJ)</p> <p>223 - Action plan to be developed after 2nd APGE conference</p> <p>224 - Only option to maintain current release 2000 is Anti/foam</p> <p>Drawings proposed to covering using Anti/foam on riser/post, Migra on release plate</p> <p>Review all results of all tests with all latest drawings with W. Strabala</p> | |
| 6 | Overmold | 25-Jan-04 | 17-Feb-04 | R. Wirth | <p>Confirm drawings to be completed by 12/28</p> <p>Send data from Brose WU for base tech drawing</p> <p>Modulate drawings ready for submission to DCV1</p> <p>Send final drawing OK needed from T. Goodrich</p> <p>Send drawing submitted week of 2/1/04</p> <p>Modulate drawings to be submitted to DCV1 by 2/11 - still open?</p> <p>21-Base/tech-dwg for tool set sent to Ford to release two 14inch/2.00</p> | |
| 7 | Matrix | 22-Jan-04 | 15-Feb-04 | S. Pashkovic | <p>S. Pashkovic to take Matrix to A status</p> <p>Notes in at A status</p> <p>21ACTS scope needs to be completed</p> | |
| 8 | Dev-Pull Report | 22-Jan-04 | 2-Feb-04 | T | R. Wirth | <p>21-Pull for each change needs to be signed off by Paul NA</p> <p>Issue WU to start test reports for motor storage DV type</p> <p>Test reports sent</p> <p>21 - Solution requires a larger sample size for testing</p> <p>Issue WU to provide feedback regarding test results</p> <p>Accelerator durability test on further ... samples is ongoing in Wuppertal</p> |
| 4 | Testing | 5-Jan-04 | 23-Apr-04 | S. Pashkovic / R. Wirth | <p>APGE2 order needs to be issued for 12 100 samples</p> <p>Issue to provide order without overruling for closing around evaluation</p> <p>Overruling will remain per request of L. Calvey (request and update)</p> <p>Issue to provide sample-ready data for 101 and 100 based status for APGE</p> <p>W16 - 101 and 100 status now @ Issue NA - ready for APGE testing</p> <p>W17 - Status with 101 and 100 coming ok Ford for APGE testing (test in 2-3 months)</p> <p>204 - 101 order, 100 has 20 cycles out/plan showing some red and, acceptance criteria needs to be reviewed</p> | |
| 2 | Specification | 15-Jan-04 | TBD | B. Reeves / W. Strabala | <p>Issue WU to provide specifications for 101 and 100 coatings</p> <p>100 specifications for DC provided from Brose WU, but it's not in English</p> <p>100 spec. provided 12/28</p> <p>200 - Shows to be out spec. request form for 100 coating (2/2)</p> <p>210 - Specifications request sent out by B. Reeves</p> <p>2100 has proposals for APGE2 test positive test sent to B. Strabala for approve with Ford material lab</p> | |

EN04-823 4913



Time: 7:30 - 8:30 a.m. Teletype and Telecopy
Location: Large Conference Room and Teleconferencing
Call-In: 1-800-957-7000
Facsimile: 1385648
Distribution: W. Bahatka, S. Fawcett, R. Ford, L. Gotsch, T. Taylor, A. White, T. Gieseg, S. Piniello, D. Rumlal, C. Corvey, J. White
Updated: 29.02.2004 by Brose H/W/White Lines updated in blue closed issues in black open issues in red

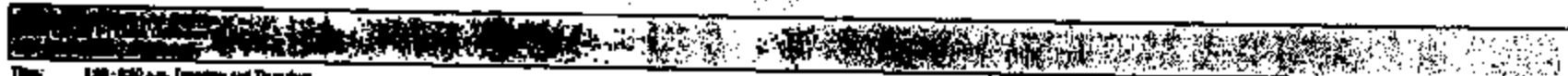
| | | | | | | |
|---|--|-----------|----------|---|----------------------|--|
| 7 | create and release new drawing | 21-Feb-04 | 5-Mar-04 | | R.White / S. Fawcett | After drawings created in CAD, Scott Fawcett to give n.a. on Brose and go on releasing |
| 1 | Testing | 15-Jan-04 | ? | ? | R.Ford | R.Ford has requested 50 pieces (right side) for Ave test with 4.2 mm shroud on inner hole, placed in same samples. RPO sent to ITM on 11/3 11/3 - 20000000 - used to buy at least 50 modules. Brose requesting SPURS order. 11/3 - Samples sent to sign. R. Ford to talk with ITM directly for potential improvements. |
| 1 | Block count | 13-Jan-04 | ? | ? | C.Corvey | 1/13 - R. Ford advised that the drawings currently in shrouding up for go-sign inquiry 1/13 - Fawcett to investigate returned parts for cause of failure 1/13 - Fawcett will remedy returned parts. 1/13 - 18 parts returned and listed for location 3 bags 1 returned 1 article spring broken not sure OK or showed signs of bad shroud mount part investigation to take place at Brose beginning 1/18 1/13 - Articles being sent back to Wipac for root cause analysis 50 to be provided to Ford |
| 1 | Provide design data to interior side for study | 12-Jan-04 | ? | ? | S. Fawcett | 1/12 - S. Fawcett to share relevant design data to GM (interior) intervention. Ford requests CAD data for 3 data cubic mating Released CAD only exists for 4 star application 1/12 - MEX working on design intervention, will be sent to interior team when complete so they can do their design study. |
| 1 | Part count | 5-Feb-04 | ? | ? | D.Rumlal / A.White | 1/5 - Goal to provide accurate handling plastic absorption info. to S. Fawcett 1/5 - Info. provided to S. Fawcett 1/5 - Labels to be attached to Brose MA on 2/10 for availability 1/5 - Labels removed from vehicle on 2/10 |



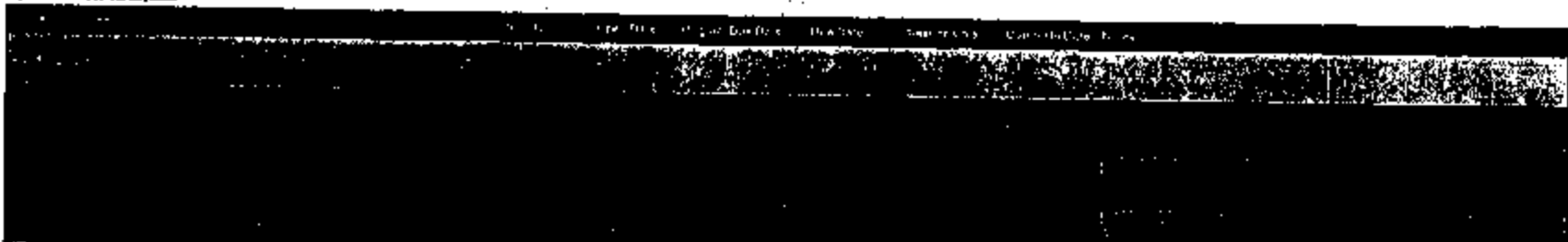
Time: 9:00 - 9:30 a.m. Tuesdays and Thursdays
Location: Large Conference Room 600
 Teleconference
Call No: 1-800-387-3940
Personnel: 1380940
Distribution: W. Salsedo, S. Ramirez, R. Ford, L. Gallego, T. Taylor, A. White, T. Olney, S. Paschke, D. Randall, C. Conroy, R. White
Updates: **3801384** by Brose N/A/Write Latest updates in blue closed issues in black open issues in red

| Item # | Description | Date | Priority | Status | Assignee | Notes |
|--------|-------------|-----------|----------|--------|------------|---|
| 1 | Testing | 4-Feb-04 | 7 | 7 | D. Randall | DM - Need original PV man from Ford Sherry to set up a review with Ford (Timing, Work plan) for week of 2/1/2004 |
| 1 | | 04-Feb-04 | 3 | 7 | S. Paschke | Sherry to set up a review with Ford (Timing, Work plan) for week of 2/1/2004 |
| 1 | | 04-Feb-04 | 7 | 7 | S. Paschke | Sherry to set up a review with Ford (Timing, Work plan) for week of 2/1/2004 |
| 1 | | 04-Feb-04 | | | S. Paschke | Sherry to set up a review with Ford (Timing, Work plan) for week of 2/1/2004 |

EM04-023 4915



Title: 180 - 1000 hrs. Assembly and Testings
 Location: Large Carخانه Room and Testcenter
 Order: 1-800-887-5840
 Parameter: 15480000
 Description: E. Oel, E. Schmitt, C. Rasmid, T. Goodrich, R. Font, E. Reeves, D. Rajan, A. Wiles, W. Vok, G. Pashkova, P. Akaya, C. Coonan
 Updated: October 23, 2023



| | | | | | | |
|----|--|--------------|------------------|------------------|--------------|--|
| 4 | Verify critical dimensions for 120-pint unit on LH side in boxes | PERFORMING | TOP | | C. Coonan | To be completed after all paint without testing has been completed Latches will be returned to NA for 4 PINT Test before being placed in rack Only one latch will be used back for a PINT Test, other ones to be cleaned and used |
| 5 | Final unit test on latches returned from Locomot with MPQ system | NOT ASSIGNED | October 10, 2023 | October 21, 2023 | C. Coonan | To be completed after vehicle parts have been introduced (Unit 2) Detail Latch unit received at 11 from 10/13 Latch unit test in line will be completed first PINT Test summary for displacement in 0.5 mm SOB to send my results with tests completed / tests to-be-completed |
| 16 | Verify critical dimensions for 120-pint unit on production parts | | October 7, 2023 | October 14, 2023 | S. Rasmussen | Quality data to be provided for vehicle integration, including 10 dimensions, some limitations, and surface coating |

E904-023 4891



Team: IBM - IBM a H. Tschopp and Thurnage
Location: Large Conference Room and Teleconferencing
Call No: 1-800-803-6340
Reference: 1329480
Distribution: B. Galt, H. Gschwend, D. Kuehnel, T. Gschwend, R. Fied, S. Kuehn, D. Seifert, A. Wirth, M. Vitz, S. Potholke, P. Amann, C. Grottel
Updated: October 23, 2002

| Item | Description | Start Date | End Date | Project | Responsible | Completion Date | Notes |
|------|--|------------------|------------------|------------------|-------------|-----------------|--|
| 11 | Ship Lurmes/Inteles back to NA for 4 Post Test | October 13, 2002 | October 22, 2002 | | C. Grottel | | After P/O testing is completed with new vehicle inputs (Item 5) Parts should return at Ford on 10/23 Only one part should be shipped back for 4 Post Test |
| 12 | 4 Post Test | October 13, 2002 | TBD | | T. Gschwend | | 4 Post testing to be completed with Inteles returned from Lurmes Testing will start after launch P/O tests are completed (Item 1) |
| 13 | Final validation test report for post launch testing with MPO inputs | October 14, 2002 | October 22, 2002 | | E. Chapuis | | Updates will be provided throughout testing Lower and final test pass will be completed first |
| | | | | | | | |
| 4 | Complete the entire process completed with post launch (011863784) | 0000000000000000 | October 3, 2002 | | B. Potholke | | Review date is a one-way change. Ford EU and Jaguar must also complete the review. Some labels drawing may not be updated until Ford EU has approved changes. Post EU is Grottel needs to be confirmed |
| | | | | | | | |
| 6 | Inteles testing with full PU testing | 0000000000000000 | October 8, 2002 | | A. Wirth | | Testing to be completed in detail on 10/16/02 Issues resolved in updated testing on 10/16/02 |
| 7 | Update label labels drawing of the new launch post numbers (011863784) | 0000000000000000 | October 7, 2002 | October 28, 2002 | A. Wirth | | Material part is 454A |
| 8 | Update Lurmes/Inteles specifications with new launch numbers | 0000000000000000 | October 7, 2002 | October 28, 2002 | A. Wirth | | |
| 9 | Update drawings updated with new part numbers (011863784) | 0000000000000000 | October 7, 2002 | October 28, 2002 | B. Grottel | | New sample price is 454-05 Some label drawing needs to be updated - see Item 4 Drawing is not-updated in Ford on 10/12 |

EMR-023 4692



Thema: BOM - 900 & W - Turnkey und Turnkey

Location: Large Conference Room and Teleconferencing

Call No: 1-800-007-0840

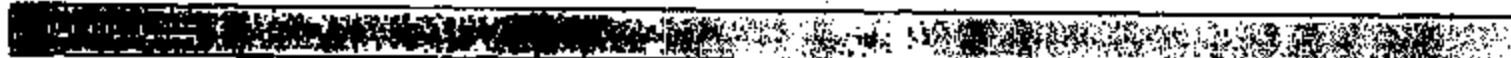
Project No: 13895400

Distribution: E. Cell, E. Puchner, D. Rausch, T. Gumbel, R. Fied, E. Rausch, G. Deibel, A. Witz, W. Voh, B. Puchner, P. Altmann, C. Cramer

Updated: October 26, 2002

| ID | Description | Start Date | End Date | Project No. | Responsible | Comments |
|----|---|------------------|------------------|-------------|------------------------|--|
| 12 | Define final list for release with large printing | October 17, 2002 | | | T. Gumbel E. Rausch | Issue to define map with final version |
| 15 | Define service part plan for re-work with main groups | October 9, 2002 | TBD | | E. Puchner | |
| 16 | Order release and DOE | October 14, 2002 | October 21, 2002 | | E. Cell | Meeting on 10/17 to find to discuss re-design of product DOE to be completed with new test parameters Tested 4 samples with new and hand fixtures - avg 2W reduction |

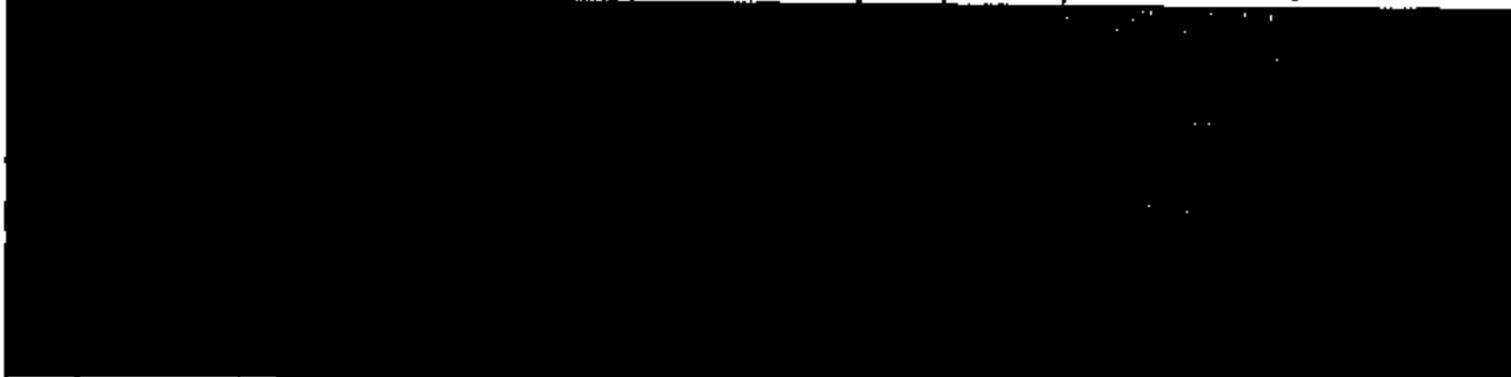
E004-023 1893



Title: 1-01 - 1-01 - 1-01 - 1-01 - 1-01
Location: Large Commercial Areas All Teleconference
Callin: 1-800-247-2800
Accession: 1200402
Meeting: November 3, 2001



| | | | | | | | |
|---|--|---|--------------------|-----|--|-------------|--|
| 4 | Study adding information for and paid without my personal notes. | C | September 25, 2001 | TRD | | TD, Chicago | In the completed after all paid submitted meeting has been approved Attached will be sent back for 90 days if they find before being disseminated Only one date will be provided for a paid back, unless you to be disseminated with notes will be sent back for 4 Paid meeting |
|---|--|---|--------------------|-----|--|-------------|--|



| | | | | | | | |
|----|--|--|-----------------|------------------|------------------|------------|--|
| 10 | Study adding documents for and paid without my personal notes. | | October 7, 2001 | October 18, 2001 | November 5, 2001 | S. Scriver | Study data to be provided for meeting disseminated, to all attendees, more facilities, and meeting/making These reports to provide additional notes Study data disseminated data to be disseminated |
|----|--|--|-----------------|------------------|------------------|------------|--|

E9104-023 4004

Model: ACP 1000 as Turnover and Turnover

Location: Lager Maschinen Rotten and Tübingen

Order: 1-200-0000

Part number: 1200430

Workshop: H. Wolf, H. Schneider, G. Kramel, T. Grottel, B. Fied, B. Boman, A. Witz, W. Voh, E. Pöschke, P. Amann, C. Geyer

Update: November 3, 2002

| | | | | | | | |
|----|--|--------------------|------------------|------------------|------------|--|---|
| 10 | 4 Fuel Tank | October 14, 2002 | 190 | | T. Grottel | | 4 Fuel Tank to be equipped with sensor situated from Lateral Tanking will start when engine PMO level has decreased from 5; engine consumption of 1 or 0 l/hour will be shown (D)M level will be shown |
| 11 | Fuel sensor, not used for fuel control testing with MPD update | October 14, 2002 | October 22, 2002 | November 3, 2002 | B. Boman | | Update will be processed during fuel testing Sensor level fuel tank will be equipped with Fuel sensor to be provided by Bosch but not MPD Lateral fuel sensor to be provided |
| 4 | Problems for some games completed with game system (C11 00270) | September 24, 2002 | October 2, 2002 | | S. Pöschke | | Update will be processed during fuel testing Game level fuel tank will be equipped with Fuel sensor to be provided by Bosch but not MPD Lateral fuel sensor to be provided |
| 6 | Major testing with fuel PV testing | September 24, 2002 | October 2, 2002 | | A. Witz | | Update will be processed during fuel testing Game level fuel tank will be equipped with Fuel sensor to be provided by Bosch but not MPD Lateral fuel sensor to be provided |
| 7 | Update level fuel testing with new fuel gas sensor (M V 2024) | September 24, 2002 | October 7, 2002 | October 20, 2002 | A. Witz | | Update will be processed during fuel testing Game level fuel tank will be equipped with Fuel sensor to be provided by Bosch but not MPD Lateral fuel sensor to be provided |
| 8 | Update software specifications with new game system | September 24, 2002 | October 7, 2002 | October 20, 2002 | A. Witz | | Update will be processed during fuel testing Game level fuel tank will be equipped with Fuel sensor to be provided by Bosch but not MPD Lateral fuel sensor to be provided |
| 9 | Update software specifications with new fuel gas sensor (M V 2024) | September 24, 2002 | October 7, 2002 | November 4, 2002 | B. Boman | | Update will be processed during fuel testing Game level fuel tank will be equipped with Fuel sensor to be provided by Bosch but not MPD Lateral fuel sensor to be provided |

ES04-023 4895



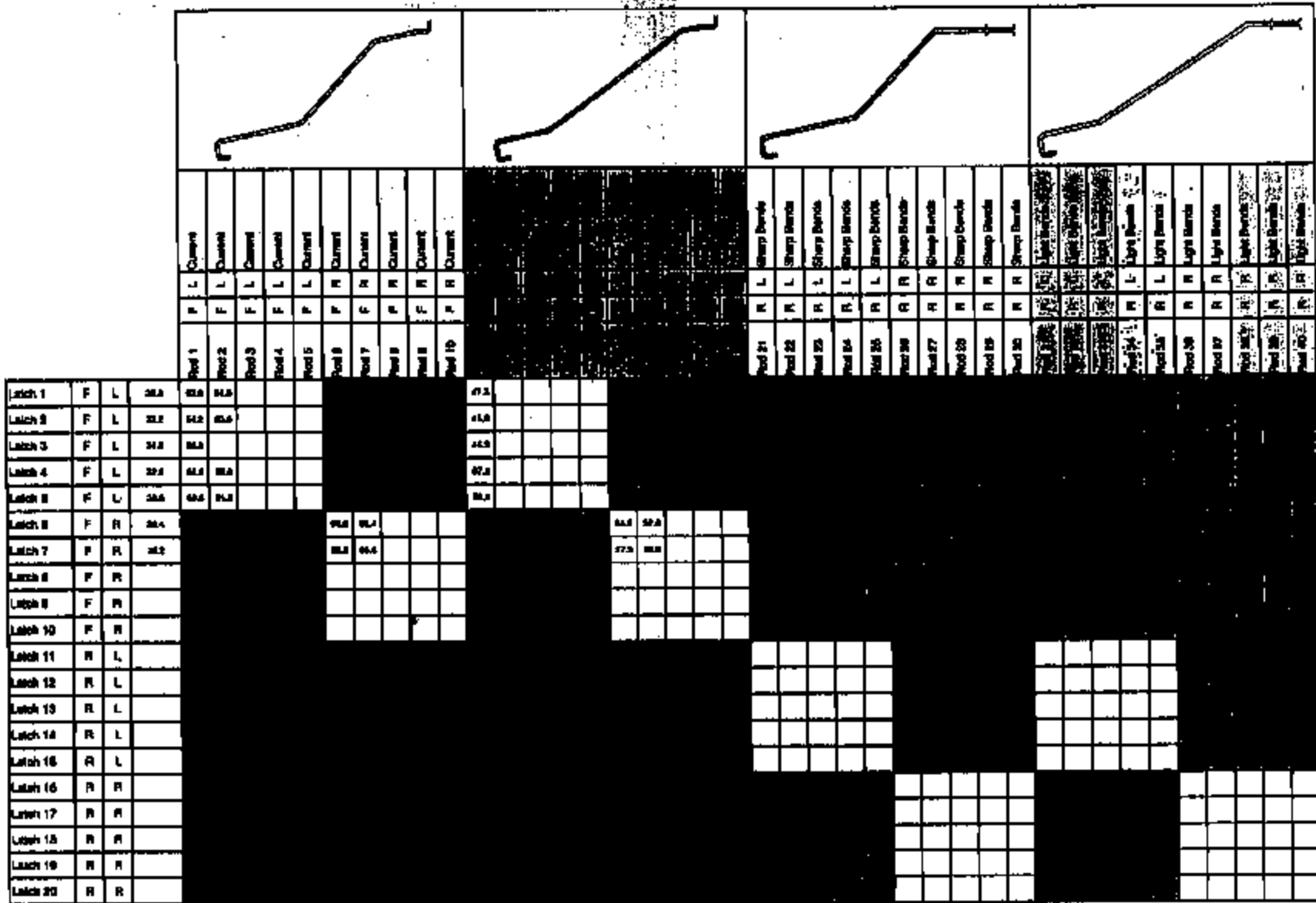
Team: 8:00 - 8:00 a.m. Technology and Planning
Location: Large Computer Pavilion and Teleconference
Call-In: 1-800-393-0888
Facsimile: 1-202-418-1100

Participants: S. Ovi, S. Swanson, D. Karpel, T. Dantshel, R. Paul, S. Rasmussen, A. Miller, W. Webb, R. Potholke, P. Ashby, C. Green

Subject: November 3, 1993

| | | | | | | |
|----|--|-------------------|-------------------|--|-----------------------------|--|
| 13 | Deliver final test benchmarks with (agreed) meeting | November 24, 1993 | December 17, 1993 | | T. Dantshel S. Rasmussen | Meeting to discuss test results and agreed meeting Date: Nov 17, 1993 (10:00 AM) |
| 15 | Deliver vehicle part plans for re-work with some general | October 5, 1993 | 1993 | | R. Potholke | |
| 16 | Deliver vehicle test POE | October 14, 1993 | November 21, 1993 | | S. Ovi | Meeting on 10/17 at Ford to discuss test results of vehicle OOE to be completed with some test procedures T. Dantshel & Rasmussen with test results (see page 7) submitted |
| 17 | JPC-E meeting with Mgrs. M.F. Swanson | November 3, 1993 | | | T. Swanson | |
| 18 | PT 1 tests R, T, also, average run times | November 3, 1993 | | | | |
| 1 | Law Test | November 3, 1993 | November 18, 1993 | | R. Paul | Meeting with Mgrs. M.F. Swanson, M.F. Paul, and Mgrs. M.F. Swanson Review to provide quote for test part plans for a 1993 EPA |
| 2 | Vehicle part number/specs meeting | November 3, 1993 | | | T. Swanson | Review test part numbers to be updated in large motor/vehicle for motor? |

EP04-023 4896



E784-023 4097

From: Wirths, Rainer [Rainer.Wirths@brose.net]
Sent: Wednesday, March 10, 2004 8:18 PM
To: Reeves, Scott (S.C.); Sahutske, William (W.); Wilde, Andreas; Conley, Christopher; Glessey, Tony; Celaya, Isabel (I.); "Persbach, Jürgen"; Peshkopia, Stacy; Ford, Randy (R.); Rundell, David; Taylor, Tim
Subject: Updated list



Open-Issues List
Ford-BroseNA...

fyi

Mit freundlichen Grüßen/Best Regards
LKS2-Konstruktion

Rainer Wirths

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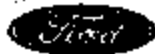
Mobile: +1 (248) 535-7357

mailto:Rainer.Wirths@brose.net



Time: 12:30 - 12:30 a.m. Tuesdays and Thursdays
Location: Large Conference Room and Thronsaal
Call-by: 1-800-387-3840
Passcode: 1388430
Distribution: W. Schulte, B. Raabe, R. Ford, L. Coates, T. Taylor, A. Hill, T. Grogan, J. Patricola, D. Randall, C. Corley, R. Wahn
Updated: 08.03.2004 by Brose MA/Write Latest update in blue colored letters in black open letters in red

| | | | | | | | |
|----|---|-----------|------------------------|---------------|--|--|---|
| | | | | | | | <p>Tiring to be reviewed in April on 10/10/03 Brose working on updated firing to 1st March 2004 BOP Tiring to be established since Magni 565 raise called outer release affects to BOP. Tiring to be changed using Magni 565B1.0E (lower friction coefficient). Tiring to be reviewed with Ford (T. Goodchild) week of 14/04. T. Taylor is set up meeting. Tiring will be reviewed with T. Goodchild on 17/04 Ford has requested implementation date of 1st July 2004. Agree to review and comment on 14/04 After meeting on 14/04 new firing to be established as first priority has the chromium removal needs to make a scenario with 5004 and to present to Ford at week 11/04 Proposed scenario shows implementation in three steps: 1. Global cost approval from FORD required until 18-March-04 to start change process at Brose 2. First implementation step (magnite, inner release lever, locking lever in Magni, all parts listed chromium plated) -> BOP-Waymouth/Horncliffe 6 August 04 (if proposed DVP is agreed) 3. Second implementation step (steel plate, lower release lever, locking lever, key cylinder lever, new locking lever, outer release lever, steel plate in Magni BOP, all other parts listed in chromium) -> BOP-Waymouth/Horncliffe 12 December 04 (if proposed DVP is agreed) 4. Third implementation step all parts in Magni BOP -> BOP-Waymouth/Horncliffe 22 May 04 (if proposed DVP is agreed) Scenario to be reviewed with W. Schulte on 09/04 BOP/MA review with W. Schulte on DVP test for first implementation step -> BOP-Waymouth/Horncliffe 2 August 04 BOP to send BOP/Waymouth description for coating 101 to Ford until 12/03/04 BOP/Ford to check and compare APQs data for the P1 test</p> |
| 8 | Magni firing with Ad PV testing | 08-Sep-03 | 18-Mar-04 | | | W. Schulte Ford Purchasing R. Wahn | |
| 12 | Optimise test tool for tests with Magni loading | 24-Sep-03 | 27.02.2004 18.03.04 | 7 18.02.04 | | W. Schulte R. Wahn | <p>Broses in 2004 test with dual and correction Dual test to T. Goodchild on 10/07 Need Ford input for proposed test Dual to be used for method (D. Randall) Dual test proposal to be sent to T. Goodchild and B. Raabe on 1/03/04 W. Schulte to change test DVP test proposals for APQs comparison a test used to W. Schulte for DVP tests with Ford material lab Meeting with Ford to be scheduled (George Kovacs) Concern raised on 02/04 to release updated BOP 01/01/005 W. Schulte to be contacted to release on system - Release not? Meeting with Lab on 4/03/04 -> fixtures are clipped in all tests without regards to my position -> leads to certain different results (pushed outwards) - other way to apply the self solution is a kind of a shock/abused (not self spray). Dual is applied by a stroke brush and a stop chamber -> BOP will add update internal proposals for this to have a APQs comparison test</p> |



| | | | | | | | |
|----|--|-----------|-----------|--|--------------------------|-----------|--|
| 17 | APG-II testing with Magni ball latches | 3-Nov-03 | 21-Feb-03 | on hold | B. Sahuaka | | <p>Headquarters of which latches will be picked up for Jig test plates</p> <p>Latches need to be picked up by Brose for TAE testing</p> <p>Latches picked up and will be tested @ Brose Wu</p> <p>Standing test results from Brose Wu for first samples</p> <p>Results to provide average steady state for BL18E (originaly 25004)</p> <p>Latches with BL18E will be shipped from Brose Wu on 1/21</p> <p>11 car sets of PV latching with BL18E @ Brose Wu on 1/22 - need to know qty and exact date from Ford</p> <p>Car sets provided to Ford on 1/28</p> <p>WV run after correct grade of Magni is finalized.</p> |
| 18 | Ambient cycling effort increased root cause analysis | 3-Nov-03 | 17-Dec-03 | 18-Mar-04 | R. Wirth | 10-Mar-04 | <p>4 more latches with more points to be tested. Needs to provide SAM and serial date of Latch. Latches will be evaluated every 1000 cycles over 25000 cycle mark.</p> <p>One latch pulled off at 17000 cycles and evaluated. Outer release effort increased from 34N to 40N. Root cause analysis - rotor and post and seal gauge of effort however.</p> <p>Remaining 3 latches have not increased after 25000 cycles.</p> <p>One module @ 60N after 35000 cycles. WV take this off for evaluation @ around 75N.</p> <p>IL Split to create reports for testing by 1/14/04</p> <p>Results of test provided - comparison comparison plate being developed by Brose</p> <p>Present all tests and results that has been done and show opportunities</p> <p>Test results of all durability tests presented to BR Sahuaka on 1/23/04</p> |
| 20 | SH-4000 outer release effort workplan | 5-Nov-03 | 27-Feb-04 | 15-03-04 (Initial work investigation) | R. Wirth | | <p>Add O-ringage outer release effort reduction workplan to Magni workplan</p> <p>Meeting to be held on 1/20/04 at Brose to review all options</p> <p>Ford to get U224 modules for benchmark</p> <p>Plan to test U224 vehicles for outside effort by 1/23</p> <p>U224 CRE - FL - NA</p> <p>FR - 45.3, 45.6, 46.4, 45.8</p> <p>FL - 36.4, 37.7, 32.2, 34.3</p> <p>FR - 65.8, 66, 70.8, 68.8</p> <p>Brose 1st dept. to set up appl. with Daimler Ford to test these vehicles on 1/22</p> <p>U224 CRE tested on 1/22/04 (8 vehicles)</p> <p>RF - Avg.=41.5 Max.=43.5 Min.=37.5</p> <p>LF - Avg.=45.3 Max.=50.0 Min.=41.0</p> <p>RR - Avg.=42.0 Max.=45.5 Min.=39.5</p> <p>LR - Avg.=48.5 Max.=51.5 Min.=39.5</p> <p>Awaiting results of chassis re-design to determine further options</p> <p>Results of chassis re-design shows only small advantages, all Brose has to work out other proposals</p> <p>Meeting with Tom Harter 2/2/04 -> Brose to investigate to modify outer release handle, as more travel can be given to dropped lever -> Check SPS if more travel is available -> Brose to check if surplus outer handle C170 would be available and filing for US service parts -> Information from Scott Fuesler that same approach has been already done and was cancelled due to cost.</p> <p>Alternativ solution modification to latch / rod / outer handle interfaces to be worked out and to be presented</p> |
| 21 | DV testing decline for Magni change | 20-Jan-04 | 12-Mar-04 | | W. Sahuaka R. Wirth | 10-Mar-04 | <p>Brose Wu has requested written confirmation to stop DV testing and go straight to PV parts.</p> <p>T. Goodhall to compose letter and distribute.</p> <p>Need to know from Brose Wu what DV testing was completed with previous samples</p> <p>Date to be provided as 2/10/04</p> <p>24 - DV testing should be done with Austin/Magni combination</p> <p>2/11 - Ford still needs DV test results from previous samples</p> <p>10-Mar-04 Data send to BR Sahuaka</p> |
| 24 | Rotor / Pin Coating Selection | 2-Feb-04 | 12-Mar-04 | | W. Sahuaka / R. Wirth | 10-Mar-04 | <p>Magni SPS S295 creates higher outer release effort due to friction conditions @ road-pedal interface (-13 N).</p> <p>2/3 - Action plan to be discussed after SPS installation</p> <p>2/4 - Only option to maintain current release effort is Anilox</p> <p>Brose proposal to continue using Anilox on road-pedal, Magni on release chain</p> <p>Review all results of all tests with different coatings with W. Sahuaka</p> <p>Test results of all durability tests presented to BR Sahuaka on 1/23/04</p> |



| | | | | | | | |
|---|---|-----------|-----------|-----------|-------------------------|----------|---|
| 6 | Drawings | 20-Jan-04 | 11-Feb-04 | | R. Witte | | <p>Include drawings to be completed by 20th</p> <p>Need data from Bruce Wu for base latch drawing</p> <p>Include drawings ready for submission to BEV</p> <p>Base latch drawing OK needed from T. Goodchild</p> <p>Latch drawing submitted week of 01/04</p> <p>Include drawings to be submitted to BEV by 27/1</p> <p>PI - launch-day for top del send to Ford to release Jan Mississippi</p> <p>Cylix released</p> |
| 7 | Notes | 25-Jan-04 | 13-Feb-04 | | B. Pothmann | | <p>B. Pothmann to issue NOLCH to A status</p> <p>Notice to M. A. status</p> <p>WACTS problem distributed</p> |
| 4 | Testing | 8-Jan-04 | 23-Apr-04 | on hold | B. Reeves R. Witte | | <p>CR-100 order needs to be issued for 12 101 samples.</p> <p>Need to provide either sample material for coating source evaluation.</p> <p>Overhead will receive per request of L. DaDoppa (request and note right)</p> <p>Need to provide sample-ready plates for 101 and 103 coated at base for APGE</p> <p>1/15 - 101 and 103 plates now @ Brose NA - ready for APGE testing</p> <p>1/17 - 101 and 103 plates @ Ford for APGE testing (test is 2-3 months)</p> <p>2/04 - 101 test, 103 test 25 cycles complete showing some red rust, encourage criteria needs to be reviewed.</p> |
| 5 | Specification | 15-Jan-04 | 4-Mar-04 | on hold | B. Reeves W. Sakuma | | <p>Need Wu to provide specifications for 101 and 103 coatings.</p> <p>103 specification for DC provided from Bruce Wu, but it's not in English.</p> <p>103 spec provided 1/20</p> <p>2/3 - Bruce to RI out spec request from for 103 coating (2/9)</p> <p>2/8 - Specification request sent out by B. Reeves</p> <p>2/25 two proposals for APG's compressive test sent to B. Sakuma for approve with Ford material lab</p> |
| 7 | create new drawing | 21-Feb-04 | 3-Mar-04 | 8-Mar-04 | R. Witte / S. Reeves | 8-Mar-04 | <p>New drawings created in ICEAS. Good Reeves to give out so Brose can go on releasing</p> <p>Put stamp on drawing until clarification of coating spec.</p> <p>Good Reeves agreed on drawing</p> |
| 8 | Ford stops asking a due to cost reasons. Scott Reeves to clarify how to go on | 6-Mar-04 | 12-Mar-04 | 13-Mar-04 | B. Reeves | | Target is May 04 SOP |
| 1 | Testing | 15-Jan-04 | ? | ? | R. Ford | | <p>Ford has requested 50 pieces (101, rear) for line trial with CL2 per shroud off lower bars.</p> <p>Need to quote samples. RFQ sent to ITW on 1/13</p> <p>1/20 - 100/100 - need to buy at least 60 months.</p> <p>Need acquiring OPEB order.</p> <p>1/22 - Sample still too high. R. Ford to talk with ITW directly for potential improvements.</p> <p>ITW will send 200 sample parts to Brose (top A-tool (lower tolerance situation)) -> Brose to build up stocks for line try out</p> |

2/12/2004
WU/QU2-Quality and Environment / Manfred
Graupe
Tel (49) 202 4667 429
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manfred_graue@brose.net

Distribution

Visit Report

Barth at Oberursel, Germany concerning Magni-coating process

Participants

- Mr Dietz, Barth
- Mr Rybka, Magni Europe
- Mr Brembs, Magni Europe
- Mr Straill, Brose Wuppertal Quality
- Mr Jacobs, Brose Wuppertal Purchasing
- Mr Evels, Brose Wuppertal Manufacturing
- Mr Graupe, Brose Wuppertal Supplier Quality

1. Intention of the visit
Evaluation of the Magni process at Barth (coater).
The main focus of investigation was:
 - Layer thickness
 - Damage of parts or the surface
 - Abrasion in cause of friction
 - Tear drops on the varnish
 - Parts, that sticking together
2. Course of actions
Barth presented the Magni process by coating several charges of different latch parts. The results of this process have been much better than the results of the laboratory test from Magni-Paris. The coating process at Barth seems to be more robust, but needs further optimization. The surfaces at most of the parts are corresponding with the specification. The layer thickness has been measured between 8 and 11µm (today's specification: 9+4 µm).

The tested batches did not show damaged parts. But there are some parts of the latch, that have not been tested yet and will cause problems in the barrel coating process. This has to be checked. We expect additional marks on the coated parts, due to handling and transport damages.

Abrasion is very less, but the impact on the sequencing process has to be checked (assembly, coating with plastic, etc).
Tear drops of the Magni-varnish have not being found (compared to the Paris results) and we do not expect any further problems.

Approx. 10% of all flat parts sticking together temporarily while the

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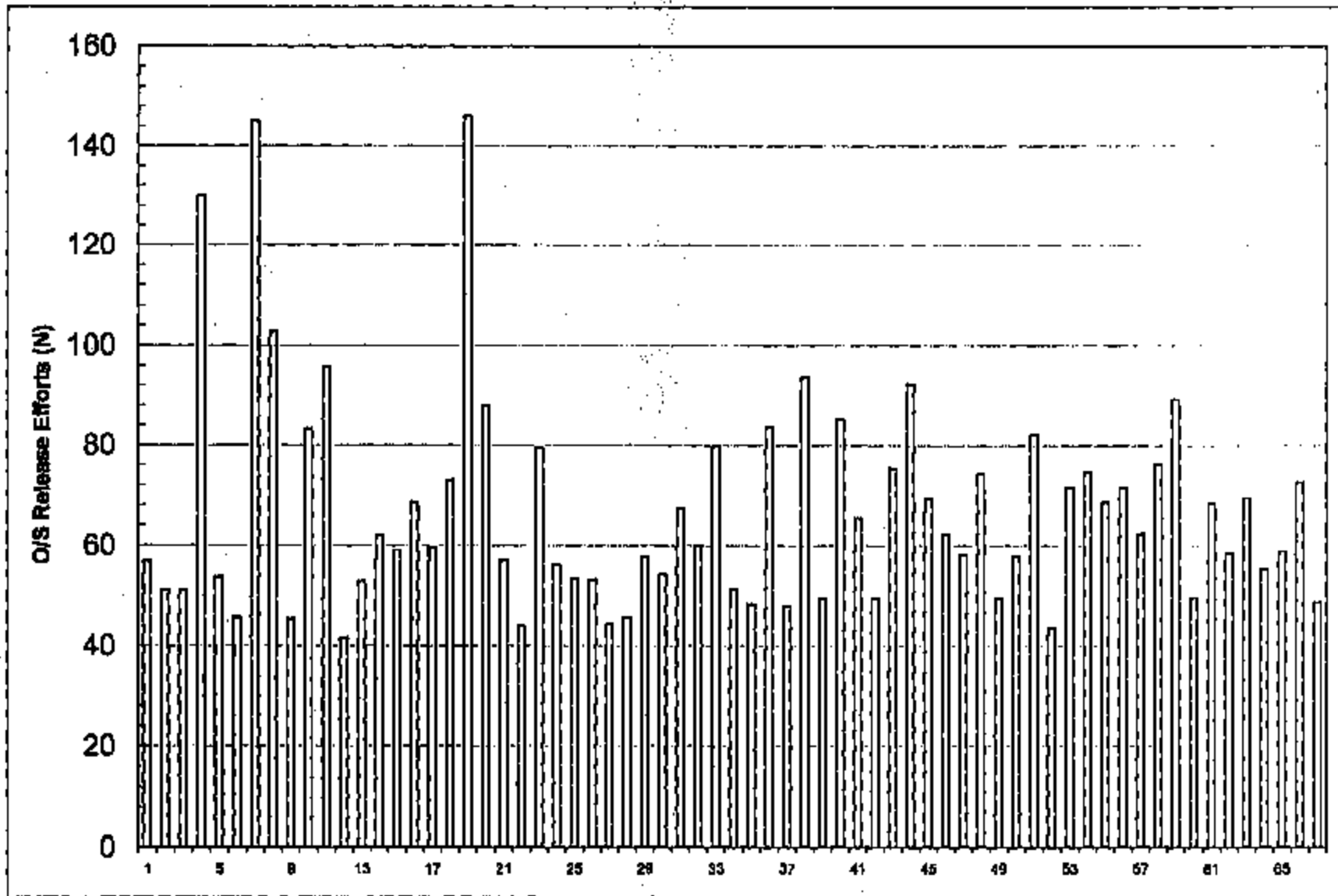
coating process. Due to this, they show up with marks on their surfaces. The impact on corrosion resistance and assembly process has to be investigated.

Further steps:

1. To specify the Magni coating on every component within the drawing
2. additional trial run for process optimization with components for 9,000 latch sets
3. Corrosion check and (if test result ok) Ford release on blistering of Magni coating: After bending, riveting and thread forming
4. Release of rust on edges (appearance only, corrosion tests running)
5. More process trials needed to overcome:
 - a) sticking parts
 - b) blistering, due to bending process (assembly)
 - c) surface damages because of temporary sticking parts
6. Update FMEA
7. Define alternative Magni coatings, to avoid sticking parts, and blistering.

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12.02.2004
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Distribution

Visit Report

Fa. Barth in Oberursel concerning Magni-process

11.02.04

Participants

| | |
|------------|------------------------|
| Mr. Dietz | Fa. Barth |
| Mr. Rybka | MAGNI Europe |
| Mr. Brembs | MAGNI Europe |
| Mr. Strahl | Brose Quality |
| Mr. Jacobs | Brose Purchasing |
| Mr. Eweis | Brose Production |
| Mr. Graupe | Brose Supplier-quality |

1. intention of the visit

Evaluation of the Magni process at Fa. Barth.

The main focus of the investigations was:

- Layer thickness
- Damage of parts or the surface
- Abrasion in cause of friction
- Tears and drops of the varnish
- Marks on the surface caused by sticking together parts

2. Course of actions

Fa. Barth showed the Magni process by coating several charges of different P1-parts. The results of this process has been much better than the results of the laboratory test from MAGNI-Paris.

The coating process at Fa. Barth seems to be robust, because in each step the parts are moved carefully. The surface of the most parts corresponded with the specifications. The layer thickness has been measured between 8 and 11 μ .

There are still some risks.

The tested batches did not show damaged parts.

But there are a number of parts of the latch, which has not been tested yet and will cause problems in the barrel coating process.

This has to be checked.

There will also be parts with friction marks and scratches on the surface due to handling and transport.

Abrasion is very less, but the influence of the following process has to be checked (assembly, coating with plastic, etc.)

Tears and drops of the MAGNI-varnish has not been found and it can be expected that will not have any problems in cause of them. But it is not

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possible to avoid them completely.
"Sticking together marks" have been found in about 10% of the parts, mainly at flat parts. It has to be checked if there is some influence for the following process.

The following activities have to be made as next steps:

Specification of magni coating on every part to be defined and fixed on drawings.

Spernteile, sofern nötig, ummanteln lassen und Reaktion im Werkzeug beobachten

Großversuch mit 9.000 Schlössern in KW 8/9 (s.P. 3)

Freigabe der Ablätzungen durch den Kunden: nach dem Biegen, Taumeln und Gewindeformen

Freigabe des möglichen Karlenrostes durch den Kunden, möglich durch Zuführung im Wendelförderer (Versuch mit Teilen nach 0,5 Stunden, 1 Stunde und 2 Stunden laufen zur Zeit im Salzsprühnebeltest).

Führungshülse zu ca 20 % zusammenklebend

Schließhebel aus 2.Serie geringfügig verbesserungswürdig

Lagerachse gebrauchsfähig.

Rückblech: Optik i.O., Biegeversuch n.i.O., Korrosionstest durchführen

Drehriegel s.o.

Sperriinke s.o.

Mehr Teile lagen für den Beschichtungsversuch leider nicht vor, wie z.B.: Platte, DR- und SK-Dorn, Betätigungshebel, sodaß eine Kraftmessung nicht möglich ist.

3. Further activities

We have immediately to make further tests with a greater number of all parts of the latch. All single steps of the hole process has to be observed and investigated. (update FMEA).

Elektrolytische Verträglichkeit der Bauteile nachweisen mit anderen Oberflächen, wie z.B. 101 oder 21 durch Fa. MAGNI

Auswahl anderer MAGNI-Oberflächen für Rückbleche (Biegeprozess evtl. D20), Platten und Hülsen (Reduzieren der Verklebung) und Spernteile (Kräfte).

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Trade: 1200 - 1200 AM, Tuesdays and Thursdays

Location: Large Conference Room and Teleconferencing

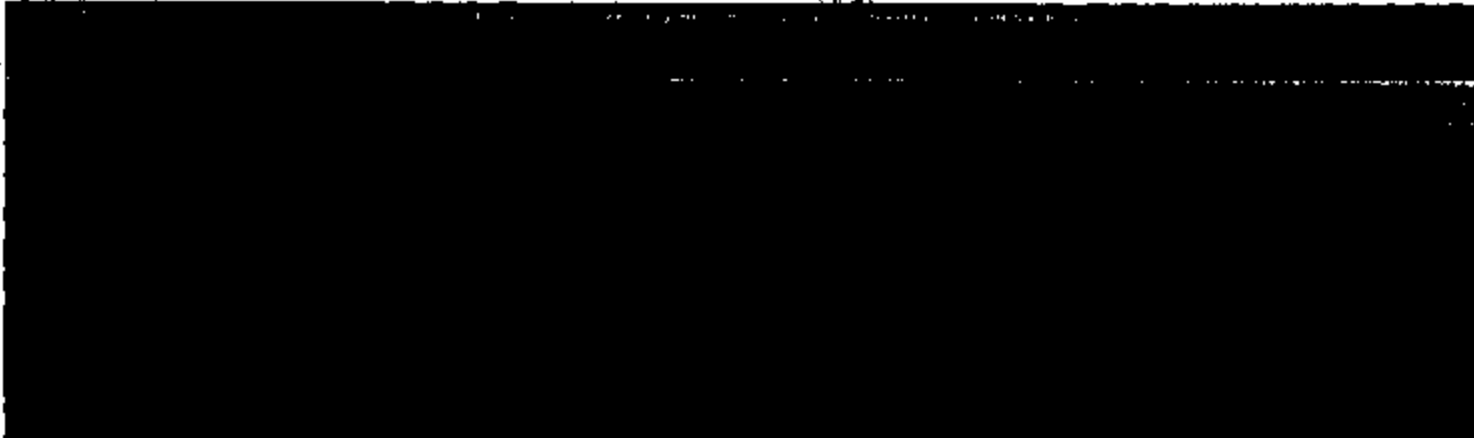
Market: 1-800-857-6999

Attendance: 1200-1200

Distributors: S. Goh, S. Partridge, B. Farnon, A. Fara, T. Gosselin, L. Colson, T. Taylor, B. Sweeney

Uptick: Monday 08, 2004

Label options in use



| | | | | | | |
|---|-------------------------------|-------|------------------|------------------|------------|--|
| 6 | Major Study with LA PV buying | ***** | Contract 6, 2004 | January 20, 2004 | T. Sweeney | <p>(To be reviewed in detail on 04/01/04)</p> <p>Overall meeting on special buying to 1st time on 04/04 2004</p> <p>Meeting to be re-organized given longer, 2004 issues related under delivery efforts in 2004.</p> <p>Meeting to be reviewed using longer 2004, 2004 (more factors involved)</p> <p>Meeting to be reviewed over Pass (T. Gosselin) same of 1/20/04. T. Taylor is set up</p> <p>meeting.</p> <p>Meeting to be reviewed with T. Gosselin on 1/20/04</p> <p>First set requires re-organization that of about July 2004. Brose is to be set up</p> <p>based on 1/1/04</p> <p>Follow-up meeting to take place on 1/20/04 @ 11:00 AM with Pass</p> <p>Meeting reviewed on 1/20/04 @ 11:00 AM in November 2004. First set requires special 2004</p> <p>July 2004. Meeting to be set up for longer 2004, 2004 (more factors involved)</p> <p>2004 2004 edition</p> <p>Telephone review for 1/20 @ 11:00 AM @ Brose, Brose, Pass to conduct delivery and set</p> <p>up meeting</p> <p>PV pass table scheduled for 2007 - 0727</p> <p>1/20 - First set requires special 2004, 2004. First set requires special 2004</p> <p>2004 - 2004 (2) 2004 2004 (2) 2004 2004 (2) 2004 2004 (2) 2004 2004 (2) 2004 2004 (2)</p> |
|---|-------------------------------|-------|------------------|------------------|------------|--|

EM04-023 4876

Topic: 700 - 825 km Technology and Training
Location: Large Conference Room and Teleconference
Topic: 1-800-267-9642
Partners: 1889428

Supporting: F. Dall, S. Rostkopf, S. Rostko, R. Pohl, T. Genschel, I. Hays, T. Taylor, S. Schulte
Updated: February 14, 2004 Label updated 2/14/04

| | | | | | |
|----|--|-------------------|------------------|-------------|--|
| 16 | Dodge and test for issues with Magni testing | February 17, 2004 | | S. Schulte | <p>Review of Dodge test with April test summary Draft sent to T. Genschel on 02/17 (March) Draft sent for approval test Review to be sent test protocol (S. Schulte) Draft test protocol re-sent to T. Genschel and S. Rostko on 02/24 S. Schulte to complete report</p> |
| 17 | APC-8 testing with Magni 266 testbed | November 9, 2003 | | T. Genschel | <p>Review report of power elements used for power up for test with power Loaders used to be picked up by 10 min for T&E testing Loaders used by test bed for better @ Drive flow Auditing test results from Magni WU for test program Review to power element testing of test bed for T&E (originally 2/16/04) Loaders both 10, 120 and 18000 rpm from Magni WU on 1/17 1.1 test results of 18000 rpm with 10, 120 @ 10 min WU on 1/17 - added in table of test results 2.1 test results provided to Feb 2 on 1/21</p> |
| 18 | Review testing effort because test results stopped | November 9, 2003 | January 14, 2004 | B. Goh | <p>4 more testbeds with more power to be tested. In use in private lab and one of them in test Lab will be available every 1000 rpm for test 2000 rpm test. One batch pulled out of 18000 rpm test bed. Other release after confirmed to be 2000 rpm. More power program - more test bed for test results of other elements. Reviewing 3 element test and element after 2000 rpm test. One testbed @ 1800 rpm after 12000 rpm test. Will take the test results @ current 180 @ 180 to review reports for testing by 1/14/04 Results of test effort - 18000 rpm testbed with test bed's developed by Magni</p> |

EP84-025 4877

Topic: T34 - E28 air, bumpers and trimmings

Location: Large Customer Room and Warehouse

Ref No: 1-897-977-0000

Partno: 1499492

Developed by: S. Ott, G. Pothoff, S. Klotz, R. Piss, T. Gindl, S. Bopp, T. Taylor, D. Gindl

Updated: February 18, 2004

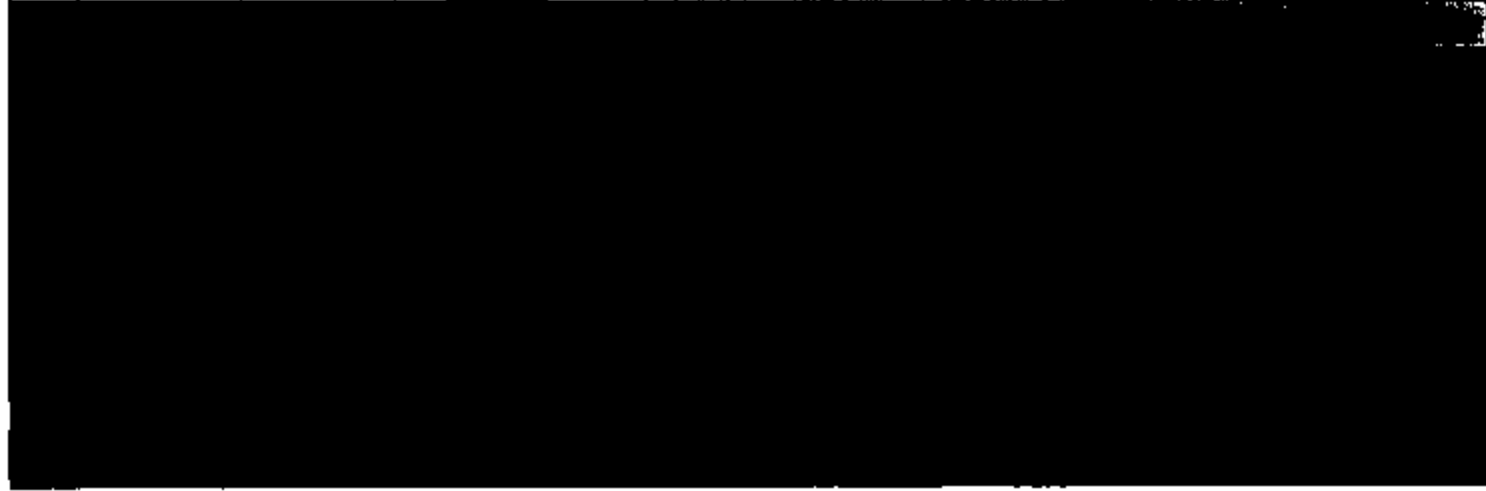
| Item | Description | Start Date | Original Est. Cost | Actual Cost | Progress | Remarks/Status |
|------|---------------------------------------|------------------|--------------------|-------------------|---------------------------------|--|
| 20 | Dashboard and interior trimmings | November 6, 2003 | 1499 | | 25% Est | <p>Final drawings still require client information on design complete. Missing is the hold on L2204 at Brose to order all systems.</p> <p>Part is per L2204, material for accessories.</p> <p>Status is hold L2204 pending for available efforts by L2204 L2204 CDF - P. - Est</p> <p>PL - 443, 439, 424, 419 RL - 564, 577, 563, 561 RR - 551, 552, 70 A, 553</p> <p>Shows that part is not up until with Daimler Ford to test new vehicles on L2204 L2204 CDF tested on L2204 (2 vehicle) LP - Aug 14 2003 Min 400 g Max 437.5 LP - Aug 14 2003 Min 400 g Max 418 LR - Aug 14 2003 Min 400 g Max 420 g LR - Aug 14 2003 Min 400 g Max 420 g</p> <p>Check for needs of revised design to determine if parts require</p> |
| 21 | Dashboard design | November 8, 2003 | | February 13, 2004 | 25% Est K. Kasper, T. Taylor | <p>Design proposal for front end and lower instrumented dashboard.</p> <p>Design proposal for chrome submitted to Ford.</p> <p>Change in:</p> <p>revisions on 1204 100</p> <p>Need final from Ford to proceed.</p> <p>Status is pending and pending by L2204.</p> <p>Need final for cost and timing needs to be provided (L2204).</p> <p>Cost is in instrumented design 1204 100 in timing and timing. Cost not known.</p> <p>Part is in progress to determine potential changes with current timing and provide information to L2204 of sign. Missing to get on up until L2204.</p> <p>Missing information for cost - 1204 - 1204 to proceed instrumented design.</p> <p>L2204 - instrumented design cost using L2204 the cost based on C170 instrumented.</p> <p>Weighting needs to be provided (L2204).</p> <p>23 - See cost part on L2204.</p> |
| 24 | UV testing studies for design changes | January 20, 2004 | | | T. Gindl, R. Galt | <p>Some UVs has requested earlier information to stop UV testing and get brought to UV parts.</p> <p>T. Gindl to progress better and distribute.</p> <p>Need to have from Brose UVs and UV testing to be completed with various variables.</p> <p>Data to be provided on L2204.</p> <p>CA - UV testing studies for design changes.</p> |

E984-023 4676



Titel: 794 - 834 A/A, Reparatur Workshop
Location: Edge Conference Room and Teleconference
Code: 1488-817-864g
Partnumber: 1488-817-864g
Abstraktion: B. OHL, R. Pothmann, G. Rosen, R. Pohl, T. Sandrock, L. Schaper, T. Tjap, B. Schöppel
Updated: February 16, 2011 Label 13/01/11 01:00

| | | | | | |
|----|--------------------------------|------------------|--------|--------|--|
| | | | | | |
| 11 | Refer / Post Closing Situation | February 5, 2011 | B. OHL | B. OHL | Original 1488-817-864g contains original master address which does not contain product ID information (part 1). 01 - Address plan to be discussed after 2011 development. 02 - Only address to be discussed after 2011 development. 03 - Only address to be discussed after 2011 development. |



E984-023 4879

Titel: 200 - 2.0 Liter, Benzol und Turbodiesel

Level: 1000 Automobiles, Benzol und Turbodiesel

Code: 1-000-000-0000

Projekt: 1000000

Autoren: H. Hilt, B. Pothmann, S. Pothmann, H. Fiedl, T. Grottel, I. Grottel, T. Topp, B. Schmitt

Update: Februar 06, 2004

Level: 1000000

| Item | Start | End | Category | Notes |
|------|------------------|-------------------|-------------|---|
| 6 | January 26, 2004 | February 11, 2004 | H. Hilt | Include drawings to be completed by 02/11/04 Check with Hans Hilt for items left to do Check drawings ready for intervention by 02/11/04 Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do |
| 7 | January 22, 2004 | February 13, 2004 | B. Pothmann | Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do |
| 8 | January 26, 2004 | February 11, 2004 | H. Hilt | Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do |
| 4 | January 6, 2004 | April 26, 2004 | H. Hilt | Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do |
| 5 | January 17, 2004 | 1999 | H. Hilt | Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do Check with Hans Hilt for items left to do |

ENG-023 4989

Theme: T30 - 8:30 AM. Training and Workshop
Location: Lager-Optik/Fahrer/Reise und Telekommunikation
Call-in: 1-800-307-5568
Participant: 1M25448
Speakers: H. Göt, R. Pischke, S. Wimmer, R. Paul, T. Gornitzki, I. Oetzel, T. Taylor, E. Schwabe
Update: February 10, 2004 Label 14/10/04 01:00

| | | | | | | | |
|---|-------------|------------------|--|--|--|--|--|
| 1 | Training | January 25, 2004 | | | | | <p>1.1.1 - 1.1.2, 1.1.3, 1.1.4, 1.1.5, 1.1.6, 1.1.7, 1.1.8, 1.1.9, 1.1.10, 1.1.11, 1.1.12, 1.1.13, 1.1.14, 1.1.15, 1.1.16, 1.1.17, 1.1.18, 1.1.19, 1.1.20, 1.1.21, 1.1.22, 1.1.23, 1.1.24, 1.1.25, 1.1.26, 1.1.27, 1.1.28, 1.1.29, 1.1.30, 1.1.31, 1.1.32, 1.1.33, 1.1.34, 1.1.35, 1.1.36, 1.1.37, 1.1.38, 1.1.39, 1.1.40, 1.1.41, 1.1.42, 1.1.43, 1.1.44, 1.1.45, 1.1.46, 1.1.47, 1.1.48, 1.1.49, 1.1.50, 1.1.51, 1.1.52, 1.1.53, 1.1.54, 1.1.55, 1.1.56, 1.1.57, 1.1.58, 1.1.59, 1.1.60, 1.1.61, 1.1.62, 1.1.63, 1.1.64, 1.1.65, 1.1.66, 1.1.67, 1.1.68, 1.1.69, 1.1.70, 1.1.71, 1.1.72, 1.1.73, 1.1.74, 1.1.75, 1.1.76, 1.1.77, 1.1.78, 1.1.79, 1.1.80, 1.1.81, 1.1.82, 1.1.83, 1.1.84, 1.1.85, 1.1.86, 1.1.87, 1.1.88, 1.1.89, 1.1.90, 1.1.91, 1.1.92, 1.1.93, 1.1.94, 1.1.95, 1.1.96, 1.1.97, 1.1.98, 1.1.99, 1.1.100</p> |
| 1 | Real course | January 12, 2004 | | | | | <p>1.1.1 - 1.1.2, 1.1.3, 1.1.4, 1.1.5, 1.1.6, 1.1.7, 1.1.8, 1.1.9, 1.1.10, 1.1.11, 1.1.12, 1.1.13, 1.1.14, 1.1.15, 1.1.16, 1.1.17, 1.1.18, 1.1.19, 1.1.20, 1.1.21, 1.1.22, 1.1.23, 1.1.24, 1.1.25, 1.1.26, 1.1.27, 1.1.28, 1.1.29, 1.1.30, 1.1.31, 1.1.32, 1.1.33, 1.1.34, 1.1.35, 1.1.36, 1.1.37, 1.1.38, 1.1.39, 1.1.40, 1.1.41, 1.1.42, 1.1.43, 1.1.44, 1.1.45, 1.1.46, 1.1.47, 1.1.48, 1.1.49, 1.1.50, 1.1.51, 1.1.52, 1.1.53, 1.1.54, 1.1.55, 1.1.56, 1.1.57, 1.1.58, 1.1.59, 1.1.60, 1.1.61, 1.1.62, 1.1.63, 1.1.64, 1.1.65, 1.1.66, 1.1.67, 1.1.68, 1.1.69, 1.1.70, 1.1.71, 1.1.72, 1.1.73, 1.1.74, 1.1.75, 1.1.76, 1.1.77, 1.1.78, 1.1.79, 1.1.80, 1.1.81, 1.1.82, 1.1.83, 1.1.84, 1.1.85, 1.1.86, 1.1.87, 1.1.88, 1.1.89, 1.1.90, 1.1.91, 1.1.92, 1.1.93, 1.1.94, 1.1.95, 1.1.96, 1.1.97, 1.1.98, 1.1.99, 1.1.100</p> |
| 1 | Real course | January 2, 2004 | | | | | <p>1.1.1 - 1.1.2, 1.1.3, 1.1.4, 1.1.5, 1.1.6, 1.1.7, 1.1.8, 1.1.9, 1.1.10, 1.1.11, 1.1.12, 1.1.13, 1.1.14, 1.1.15, 1.1.16, 1.1.17, 1.1.18, 1.1.19, 1.1.20, 1.1.21, 1.1.22, 1.1.23, 1.1.24, 1.1.25, 1.1.26, 1.1.27, 1.1.28, 1.1.29, 1.1.30, 1.1.31, 1.1.32, 1.1.33, 1.1.34, 1.1.35, 1.1.36, 1.1.37, 1.1.38, 1.1.39, 1.1.40, 1.1.41, 1.1.42, 1.1.43, 1.1.44, 1.1.45, 1.1.46, 1.1.47, 1.1.48, 1.1.49, 1.1.50, 1.1.51, 1.1.52, 1.1.53, 1.1.54, 1.1.55, 1.1.56, 1.1.57, 1.1.58, 1.1.59, 1.1.60, 1.1.61, 1.1.62, 1.1.63, 1.1.64, 1.1.65, 1.1.66, 1.1.67, 1.1.68, 1.1.69, 1.1.70, 1.1.71, 1.1.72, 1.1.73, 1.1.74, 1.1.75, 1.1.76, 1.1.77, 1.1.78, 1.1.79, 1.1.80, 1.1.81, 1.1.82, 1.1.83, 1.1.84, 1.1.85, 1.1.86, 1.1.87, 1.1.88, 1.1.89, 1.1.90, 1.1.91, 1.1.92, 1.1.93, 1.1.94, 1.1.95, 1.1.96, 1.1.97, 1.1.98, 1.1.99, 1.1.100</p> |
| 1 | Training | January 4, 2004 | | | | | <p>1.1.1 - 1.1.2, 1.1.3, 1.1.4, 1.1.5, 1.1.6, 1.1.7, 1.1.8, 1.1.9, 1.1.10, 1.1.11, 1.1.12, 1.1.13, 1.1.14, 1.1.15, 1.1.16, 1.1.17, 1.1.18, 1.1.19, 1.1.20, 1.1.21, 1.1.22, 1.1.23, 1.1.24, 1.1.25, 1.1.26, 1.1.27, 1.1.28, 1.1.29, 1.1.30, 1.1.31, 1.1.32, 1.1.33, 1.1.34, 1.1.35, 1.1.36, 1.1.37, 1.1.38, 1.1.39, 1.1.40, 1.1.41, 1.1.42, 1.1.43, 1.1.44, 1.1.45, 1.1.46, 1.1.47, 1.1.48, 1.1.49, 1.1.50, 1.1.51, 1.1.52, 1.1.53, 1.1.54, 1.1.55, 1.1.56, 1.1.57, 1.1.58, 1.1.59, 1.1.60, 1.1.61, 1.1.62, 1.1.63, 1.1.64, 1.1.65, 1.1.66, 1.1.67, 1.1.68, 1.1.69, 1.1.70, 1.1.71, 1.1.72, 1.1.73, 1.1.74, 1.1.75, 1.1.76, 1.1.77, 1.1.78, 1.1.79, 1.1.80, 1.1.81, 1.1.82, 1.1.83, 1.1.84, 1.1.85, 1.1.86, 1.1.87, 1.1.88, 1.1.89, 1.1.90, 1.1.91, 1.1.92, 1.1.93, 1.1.94, 1.1.95, 1.1.96, 1.1.97, 1.1.98, 1.1.99, 1.1.100</p> |

E904-023 4081

From: Bejune, Daniel (D.C.)
Sent: Monday, October 06, 2003 7:29 AM
To: Muderrisoglu, Attila (A.); Herline, Thomas (T.M.)
Cc: Goodchild, Tim (T.O.)
Subject: Updated issues list

Tom and Attila,

Please excuse me for sending you a two week old issues list. Here is the file that I should have sent you on Thursday. I updated the list with the activities from this weekend (vehicle instrumented on Thurs, data collected on Saturday at MPG).

I will be in Hermosillo for Tuesday, Wednesday, and Thursday of this week. Tim would you please keep this list updated daily and submitted to Tom and Attila? The general agreement is that if we are progressing to plan, submit the matrix to Attila. Once we get 2 or more days straying from schedule, we need to provide a verbal at Mr. Sideko's 5:00 PM meeting.



10-6-2003 Issues
List.xls (65 ...)

Dan Bejune
Mechanisms Campaign Prevention Specialist
Ford Motor Company
+1-313-323-9218
DBEJUNE@FORD.COM

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Tuesday, October 07, 2003 7:30 AM
To: Rundell, David; Athalye, Parag; Peshkopia, Stacy; Volz, Wolfgang; tgoodchi@ford.com; Reeves, Scott (S.C.); Ford, Randy (R.); dbejune@ford.com
Subject: Open Issues List
Importance: High



Issues List.xls (51 KB)

Here's the open issues list for the 8:00 teleconference.

Best Regards

Brose North America, Inc.
LK5 - Closure Systems

Brandon Goll

2630 Superior Court
Auburn Hills, MI 48326
USA
Phone: +1 (248) 754 1825
Fax: +1 (248) 364 2306
Mobile: +1 (734) 693 4542
Email: Brandon.Goll@brose.net

Time: 8:00 - 5:00 A.M. Tuesday and Wednesday
 Location: Large Conference Room and Teleconferencing
 Call No: 1-800-647-6646
 Fax No: 1-800-647-6646
 Distributors: S. Ode, E. Schmitt, D. Rowell, T. O'Connell, P. Ford, E. Brown, D. DeJure, A. Wills, W. Voss
 Updated: September 26, 2002

| | | | | | | |
|---|---|--------------------|--------------------|------------------|-------------------------|--|
| 1 | Intercept vehicle for MPD testing | September 26, 2002 | October 1, 2002 | | D. DeJure | To be completed after vehicle registration (Item 1) |
| 2 | Test vehicle at MPD for equipment and seal test | September 26, 2002 | October 4, 2002 | | D. DeJure | To be completed after MPD testing (Item 2) |
| 3 | Check processing after MPD test results | September 26, 2002 | October 7, 2002 | | D. DeJure | To be completed after all seal related testing has been completed |
| 4 | Verify vehicle dimensions of vehicle released from Lennar | September 26, 2002 | TBD | | A. Wills | To be completed after vehicle input into (Item 3) |
| 5 | Final vehicle seal inspection required from Lennar after vehicle input | September 26, 2002 | October 10, 2002 | | A. Wills | To be completed after vehicle input into (Item 3) |
| 6 | Complete parts of seal with order to T. O'Connell at all districts, meeting, and assembly | September 26, 2002 | October 10, 2002 | | B. Ford | Complete from items 1 to 5 to verify parts on 10/10/02 Parts at Brose AB as 10/2 |
| 7 | Final inspection measurements on order and parts of Lennar Hubs | September 26, 2002 | October 17, 2002 | | A. Wills | To be completed after all parts related testing has been completed |
| 8 | Test report for all seal related testing completed | September 26, 2002 | 10/10/02 (10/2/02) | October 30, 2002 | B. Ford | Complete from items 1 to 7 meeting 10/2/02 |
| 1 | MPD vehicle availability testing for order process | September 24, 2002 | October 7, 2002 | | D. Rowell | MPD test to be meeting with EIA, T. O'Connell, and N. Ford to review vehicle process. Final arrangements to be present at beginning of process |
| 2 | Setup order process vehicle status | September 26, 2002 | October 7, 2002 | | W. Voss | Final testing with N.D. Huber |
| 3 | Production input changes completed | September 26, 2002 | October 8, 2002 | | E. Brown | Final testing with N.D. Huber |
| 4 | Complete for order process completed with part numbers (CI 100041) | September 26, 2002 | October 1, 2002 | | B. Ford T. O'Connell | Final testing with N.D. Huber |

EN94-923 2882

Title: ESD - ESD s.u. Tumbler and Standby

Location: Large Conference Room and Tumbler room

Call No: 1-888-367-3888

Part No: 1288-800

Distributors: B. Oet, S. Schmitt, S. Ruedel, T. Gombold, R. Fied, E. Kasper, G. Ege, A. Wille, M. Voss

Updated: September 26, 2005

| Item | Description | Start Date | End Date | Category | Material | Comments |
|------|--|--------------------|-----------------|----------|--------------|---|
| 6 | Lead for extra glasses re-work kitchen cabinet | September 26, 2005 | October 8, 2005 | | B Oak | |
| 8 | Magal dining table for PV meeting | September 26, 2005 | October 8, 2005 | | A White | |
| 7 | Update kitchen bench drawing with new bench post numbers (BY 2004) | September 26, 2005 | October 7, 2005 | | A White | New bench post is 4574 |
| 6 | Update kitchen bench drawing with new glass panel | September 26, 2005 | October 7, 2005 | | A White | |
| 9 | Kitchen drawings updated with new post numbers (BY 2004) | September 26, 2005 | October 7, 2005 | | B Oak | New bench post is 4574 |
| 10 | Lead review re. new bar stools over kitchen table/dining table | September 26, 2005 | October 2, 2005 | | B Oak | B. Oak to sit up directly in front of (1000) is shown in design drawing |
| 11 | PV plan for Magal dining completed and approved | September 26, 2005 | TBD | | B Oak | |
| 12 | Define chair set for kitchen with Magal meeting | September 26, 2005 | TBD | | T. Green oak | Chair to sit on bench with glass top |
| 12 | Sample plans for glass bar stools to F&G table | October 6, 2005 | October 8, 2005 | | B Oak | Sample for 4 chairs, 2 chairs and post base. new kitchen, 1000 kitchen, kitchen table kitchen |

E904-823 3888

Time: 8:00 - 8:00 p.m., Tuesdays and Thursdays
Location: Large Conference Room and Teleconferencing
Call-In: 1-800-375-3100
Facsimile: (800) 444-4444

Distributors: B. Goh, S. Bhandari, D. Ruzicki, T. Goodrich, R. Ford, B. Frazier, G. DeJong, A. White, W. Valt

Updated: December 26, 2002

| Item | Start Date | End Date | Responsible Party | Completion Date | Notes | |
|---|--------------------|--------------------|-------------------|------------------------|-----------------|--|
| 1. Intermittent vehicle for MPQ testing | September 30, 2002 | October 1, 2002 | D. DeJong | October 2, 2002 | | |
| 2. Test vehicle at MPQ for displacement and seal test | September 24, 2002 | October 2, 2002 | October 3, 2002 | D. DeJong | October 4, 2002 | |
| 3. Do a preliminary trial MPQ test results | September 30, 2002 | October 5, 2002 | October 8, 2002 | D. DeJong | | To be completed after MPQ testing (Item 2) |
| 4. Study initial observations of factors related from L20000 | September 30, 2002 | TBD | A. White | | | To be completed after 1 panel vehicle leaving for a better arrangement |
| 5. Panel without test on vehicle as tested from L20000 with new vehicle inputs | September 03, 2002 | October 10, 2002 | | A. White | | To be completed after vehicle inputs have been determined (Item 2) |
| 6. Sample parts of panel and test in T. Goodrich's test facility, cooling, and controls | September 23, 2002 | October 10, 2002 | | R. Ford | | D. DeJong from L20000 to test vehicle 10/10/02 |
| 7. Diagnostic measurements on vehicle and panel of L20000 vehicle | September 26, 2002 | October 17, 2002 | | A. White | | To be completed after 10 panel vehicles testing has been completed |
| 8. Test report for all panel without testing completed | September 28, 2002 | September 28, 2002 | October 18, 2002 | R. Ford | | C. DeJong from L20000 via handling test reports |
| 9. MPQ critical stability testing for extra groove process | September 24, 2002 | October 7, 2002 | | D. Ruzicki | | |
| 10. Study extra groove test results | September 23, 2002 | October 7, 2002 | | W. Valt | | W. Valt to set up meeting with EYA, T. Goodrich, and R. Ford to review test results process. Ford responsible to be present at beginning of process. |
| 11. Previous Magal Closure completed | September 23, 2002 | October 6, 2002 | | R. Frazier | | R. Frazier meeting with D. DeJong |
| 12. Closure for extra groove completed with panel without (in 10/10/02) | September 20, 2002 | October 3, 2002 | | R. Ford T. Goodrich | | Extra groove is a no-cost change. Ford to give report on test results in Closure |

8004-023 3804

Time: 8:30 - 10:30 a.m. Tuesdays and Thursdays

Location: Legal Conference Room and Teleconferencing

Call-In: 1-800-687-3843

Facsimile: 13996480

Directors: R. Bell, S. Brinkman, D. Randal, T. Dandridge, R. Ford, G. Givens, D. Hester, A. White, W. Vitz

Updated: September 20, 2003

| Item | Description | Start Date | End Date | Lead | Responsible Party | Notes |
|------|--|--------------------|-----------------|------|-------------------|---|
| 6 | Alert for audit process to work to bring within | September 24, 2003 | October 6, 2003 | | R. Bell | |
| 8 | Legal Briefing with full PV meeting | September 25, 2003 | October 6, 2003 | | A. White | |
| 7 | Update lease lease strategy with new lease (not working) (NY 2004) | September 26, 2003 | October 7, 2003 | | A. White | May need to work in 4/04 |
| 8 | Update laborative opportunities with new process (rework) | September 29, 2003 | October 7, 2003 | | A. White | |
| 9 | Meeting (strategy update) with new part members (NY 2004) | September 30, 2003 | October 7, 2003 | | R. Bell | New meeting part in 4/04 |
| 10 | Lease analysis vs. new lease analysis (member) schedule completion | September 30, 2003 | October 9, 2003 | | R. Bell | R. Bell to set up meeting at Ford on 10/03 to review all of major studies |
| 11 | PV plan for legal change completed and approved | September 24, 2003 | YES | | R. Bell | |
| 12 | Delta deal not for litigation with legal meeting | September 24, 2003 | YES | | T. Dandridge | |

EQM-023 3885

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Wednesday, October 08, 2003 3:19 PM
To: Peshkopia, Stacy; Rundell, David; Athalye, Parag; Volz, Wolfgang; tgoodchl@ford.com; Reeves, Scott (S.C.); Ford, Randy (R.); dbejune@ford.com
Subject: Issues List.xls



Issues List.xls (55
KB)

Here is the open issues list for the 10/9 8:00 teleconference. <<Issues
List.xls>>

Title: ESD-7700 S&T Timings and Timings
Location: Large Electronic Room and Teleconferencing
Call No: 1-828-697-3942
Page No: 1000440
Author(s): B. Oul, E. Scholtz, D. Furdal, T. Goodrich, R. Ford, B. Kessen, D. Batura, A. Wink, W. Volk, S. Farnham, P. Alspaugh
Update: October 7, 2003

| | | | | | | |
|----|---|--------------------|------------------|------------------|-----------|--|
| 4 | Verify critical dimensions of latch on control lever Latched | September 23, 2003 | TBD | | A. Wink | To be completed after all parts ordered. Testing has been completed. |
| 5 | Final review and on-site recheck items Latched with new voltage inputs | September 30, 2003 | October 10, 2003 | October 16, 2003 | A. Wink | to be completed after voltage inputs have been checked and (see 3) |
| 6 | Complete parts of panel and cover by T. Goodrich after firebrick, masonry, and concrete | September 21, 2003 | October 30, 2003 | | B. Oul | E. Cooper from ESDS WU to help parts on 10/1/03. Parts of ESDS A&I on 10/1 Tasks provided to T. Goodrich on 10/1 |
| 7 | Finalize measurements of face and panel of control station | September 30, 2003 | October 15, 2003 | | A. Wink | to be completed after all parts without testing has been completed |
| 8 | Final report for all panel without testing completed | September 26, 2003 | Final 10/1/03 | October 15, 2003 | B. Oul | E. Cooper from ESDS WU to help with the report will complete after Latched inputs are tested on 10/1 |
| 9 | Finalize panel surface quality data results completed | October 7, 2003 | | | | Quality data to be provided for surface inspection. Contact for review, cost for 10/1/03, and final cost coming |
| 10 | Finalize design drawings completed | September 23, 2003 | October 6, 2003 | | B. Kessen | B. Kessen working with D. Furdal |

EM04-023 3887

Times: 8:30 - 5:00 p.m. Tuesdays and Thursdays
Location: Large Conference Room and Teleconferencing
Call-In: 1-800-897-9648
Passcode: 1200488
Distribution: E. Hill, E. Robinson, D. Purcell, T. Gwynedd, R. Ford, J. Rowan, D. Balfour, A. White, W. Vair, J. Pennington, P. Attridge
Updated: October 7, 2003

| Item | Description | Start Date | Complete Date | Lead | Responsible | Notes |
|------|--|--------------------|-----------------|------|--------------------------|--|
| 4 | Consent for entry granted (completed) site post analysis (C11442754) | September 29, 2003 | October 2, 2003 | | E. Hill T. Gwynedd | Entry into site is pending clearance. Post site visit report email to be completed. Consents have been obtained and will be updated with Post site visit approval changes. |
| 5 | Final Review with lead PV meeting | September 29, 2003 | October 6, 2003 | | A. White | |
| 7 | Update base address ring with new base post analysis (0773287) | September 29, 2003 | October 7, 2003 | | A. White | New base post is 4264 |
| 8 | Update latitude specifications with new ground output | September 29, 2003 | October 7, 2003 | | A. White | |
| 9 | Monitor coverage updates with new post numbers (477000) | September 29, 2003 | October 7, 2003 | | E. Hill | New number points to 4264 Base data clearing needs to be updated - see Item 4 |
| 10 | Test coverage vs. new base station mechanical clearance compliance | September 29, 2003 | October 6, 2003 | | E. Hill | E. Hill to set up tracking at Post on 10/03 to verify all station coverage PV to start after 4:00 approximately on Thursday (10/09) |
| 11 | PV plan for design change completed and approved | September 29, 2003 | 10/03 | | E. Hill | Prep for PV to start Item 12 |
| 12 | Get into start test for testing with design update | September 29, 2003 | 10/03 | | T. Gwynedd D. Purcell | Post to start test with design and correction |
| 13 | Example plans for custom installation to Post site | October 6, 2003 | October 6, 2003 | | E. Hill | Plans to deliver station and post being reviewed, both designs, layout and site to verify Plans will be provided to E. Robinson on 10/06 |
| 14 | Approve Adet for release re-worked with new ground | October 7, 2003 | October 6, 2003 | | Post | |

EN04-023 3004

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Monday, October 13, 2003 2:29 PM
To: tgcodchi@ford.com; Reeves, Scott (S.C.); Ford, Randy (R.); Peshkopia, Stacy; Athalya, Parag; Rundell, David; dbejune@ford.com
Subject: PWO and High Efforts Issues List



Issues List.xls (56
KB)

Here is the open issues list for the Tuesday 8:00 teleconference.

Best Regards

Brose North America, Inc.
LK5 - Closure Systems

Brandon Goll

2630 Superior Court
Auburn Hills, MI 48326
USA
Phone: +1 (248) 754 1825
Fax: +1 (248) 364 2306
Mobile: +1 (734) 693 4542
Email: Brandon.Goll@brose.net

Time: 8:00 - 5:00 p.m. Tuesdays and Thursdays
 Location: Large Conference Room and Teleconference
 DWH-IC: 1-800-367-2840
 Password: 12345678

Participants: S. Goh, S. Schmitt, D. Pineda, T. Orosinski, R. Foss, B. Powers, B. Wajana, A. White, M. Vela, G. Potholakis, P. Amey

Agenda: October 7, 2003

| | | | | | | |
|----|---|--------------------|--------------------|-----|--------------|---|
| 4 | Verify critical dimensions of Lateral Lathes | September 26, 2003 | TUE | TUE | A. White | To be completed after all final vehicle testing has been completed (testing will be returned to MA for 4 Post Test before being discontinued) |
| 5 | Final vehicle test on lathes started from Lateral with new vehicle lathes | September 26, 2003 | October 10, 2003 | TUE | A. White | To be completed if final vehicle lathes have been determined (Item 5). Final local and replacement data needed of Date 1/2/12 |
| 7 | Final test measurements on core and part of Lateral lathes | September 26, 2003 | October 17, 2003 | TUE | A. White | To be completed after all final vehicle testing has been completed (testing will be returned to MA for 4 Post Test before being discontinued) |
| 8 | Test report for oil pool without testing complete | September 26, 2003 | September 26, 2003 | TUE | S. Goh | To be completed after all final vehicle testing has been completed (testing will be returned to MA for 4 Post Test before being discontinued) |
| 10 | Final test pool surface quality data report completed | October 7, 2003 | TUE | | S. Schmitt | Quality data to be provided to customer (surface roughness, total texture, and surface area etc) |
| 11 | Ship Lateral lathes back to MA for 4 Post Test | October 13, 2003 | TUE | | A. White | After FWD testing is completed with the vehicle lathes (Item 6) |
| 12 | 4 Post testing | October 13, 2003 | TUE | | T. Orosinski | 4 Post testing to be completed with lathes returned from Lateral. Testing will start after final FWD tests are completed (Item 6) |
| 3 | Final test report completed | September 26, 2003 | October 7, 2003 | | B. Powers | A. White working with D. Pineda |

E004-023 3610

Title: EIR - EIS AM Turnkey and Turnkey

Location: Long Beach Area and Wilmington

Subject: 1-800-367-6646

Number: 1000426

Distribution: B. Wolf, S. Schuman, D. Kuntz, T. Donohue, R. Ford, S. Kuntz, D. Sipes, A. White, W. Vog, S. Pashley, P. Araya

Updated: October 7, 2003

| ID | Description | Start Date | End Date | Lead | Comments |
|----|--|--------------------|------------------|------------------------|--|
| 4 | Comments for entry graphics completed with post members (C-11002701) | September 26, 2003 | October 2, 2003 | B. Wolf T. Donohue | Insert file in a new-ent change. Find file and approved are complete. Comments. Please back drawing and not be updated until Post Eir has approved change. |
| 6 | Magni being only full PV loading | September 26, 2003 | October 6, 2003 | A. White | |
| 7 | Update to have both drawing with new both post members (607 5004) | September 26, 2003 | October 7, 2003 | A. White | New title page to 607A. Need approval from A. Locke |
| 8 | Update to have both drawing with new both post members (607 5004) | September 26, 2003 | October 7, 2003 | A. White | A. Locke needs to see this print (607-2) |
| 9 | Magnis drawings updated with new post members (6075004) | September 26, 2003 | October 7, 2003 | B. Wolf | New magnis prints in 607A. Please both drawing needs to be updated - see item 4. Drawing needs-upo provided in Part on 10712 |
| 10 | Update sheet test for drawings with Magni and 607 | September 24, 2003 | October 17, 2003 | T. Donohue D. Kuntz | Same in sheet 101 with sheet and correction |
| 11 | Update drawing post plan for re-work with new 607A | October 6, 2003 | | S. Pashley | |

EIR-823 2611

From: Goll, Brandon (Brandon.Goll@brase.net)
Sent: Thursday, October 23, 2003 7:49 AM
To: tgoodchi@ford.com; Ford, Randy (R.); Reeves, Scott (S.C.)
Subject: Issues List.xls

Importance: High



Issues List.xls (58
KB)

Issues list for 8:00 teleconference
<<Issues List.xls>>

Title: 8:00 - 9:30 a.m. Taskforce and Testforce
Location: Large Conference Room and Teleconference
Call-In: 1-800-387-3648
Fax: 1-800-480

Participants: B. Dal, B. Sawyers, D. Riedel, T. Goodrich, R. Ford, S. Remy, D. Ely, A. Wild, W. Nix, S. Postigo, P. Araya, C. Green

Meeting: October 23, 2002

| Item | Description | Start Date | End Date | Lead | Notes | |
|------|--|--------------------|------------------|------------------|---|---|
| 4 | Verify critical discussions for test plan without test formal review | September 30, 2002 | TBD | C. Coates | TO BE COMPLETED PRIOR TO TEST WITHOUT TESTING HAS BEEN COMPLETED Testplan will be submitted to PSA for 4 Post Test. Be here testing all test needed Only one batch will be sent back for 4 Post Test, other one to be delivered later | |
| 5 | Final without test on critical returned from formal with MPD input | September 30, 2002 | October 10, 2002 | October 21, 2002 | C. Coates | TO BE COMPLETED PRIOR TO TEST INPUT HAVE BEEN OBSERVED (Item 3) Final Load data received at PSA (Item 4) Order of test load data will be completed first PMD input provided for displacement by 2.5 mm Q&A send out matrix with test completed / test 100% complete |
| 10 | Verify critical discussions for test plan without test formal review | October 7, 2002 | October 16, 2002 | S. Schwartz | Quality data to be provided for critical roughness, surface finish, core hardness, and surface coating | |
| 11 | Ship formal test plan back to PSA for 4 Post Test | October 13, 2002 | October 22, 2002 | C. Coates | After PMO testing is completed with test results inputs (Item 8) Parts should arrive at PSA on 10/27 Only one part should be shipped back for 4 Post Test | |
| 12 | 4 Post Test | October 16, 2002 | TBD | T. Goodrich | 4 Post testing to be completed with critical returned from PSA Testing will start after launch PMO tests are completed (Item 5) | |

EP04-023 3813

Item: 020 - 1000 s.m. Turnbuckle and Threaders
 Location: Large Conference Room and Teleconferencing
 Call No: 1-800-367-3548
 Forecast: 12000480

Distribution: E. Goff, S. Robinson, D. Rasmussen, T. Goodrich, R. Ford, B. Finkler, D. DeJure, A. White, M. Vohr, S. Finkbeiner, P. Alway, C. Coates

Updated: October 21, 2003

| Item | Description | Start Date | End Date | Priority | Responsible | Comments |
|------|--|--------------------|------------------|------------------|--------------------------|--|
| 13 | Pool without test report for pool without testing with MPCL report | October 14, 2003 | October 21, 2003 | | C. Coates | Updates will be provided throughout testing. Lower level test items will be completed first. |
| 4 | Changes for auto grease components with part numbers (C11943297) | September 26, 2003 | October 2, 2003 | | S. Finkbeiner | Change this is a no-cost change. Ford has approved and also complete. Ensure that drawing can not be updated with Ford's new approval change. Parts list in Outlook needs to be updated. |
| 6 | Major testing with test PV testing | September 26, 2003 | October 6, 2003 | | A. White | Testing to be completed in parallel on 10/15/03. Issues working on equipment during 10/16/03. 2004 SDP. |
| 7 | Update base tech drawing of 6 new track part numbers (JY 2004) | September 26, 2003 | October 7, 2003 | October 20, 2003 | A. White | New track part is 454A. |
| 8 | Update lubrication specific of oil with new grease amount | September 26, 2003 | October 7, 2003 | October 23, 2003 | A. White | |
| 9 | Substrate drawings updated with new part numbers (JY 2004) | September 30, 2003 | October 7, 2003 | October 29, 2003 | S. Goff | New track part is 454A. Base track drawing needs to be updated - see item 4. Drawing sheet-set provided to Ford on 10/15. |
| 12 | Order start test for rollers with Major testing | September 26, 2003 | October 17, 2003 | | T. Goodrich C. Coates | Order to ship test with shaft and bearing. |

0304-023 3814

Title: 8:30 - 9:30 a.m. Tuesday and Thursday
Location: Large Conference Room and Teleconferencing
Call-In: 1-800-607-4549
Passcode: 1234567

Distribution: B. Ed, S. Robinson, U. Funchak, T. Beodanis, R. Paul, A. Harves, D. Sejvar, A. White, W. Vah, S. Pankovic, P. Ahuja, C. Cooper

Agenda: October 14, 2023

| | | | | | | |
|----|--|------------------|------------------|--|-------------|---|
| 16 | Deliver service plan plan for R-100, with extra capacity | October 8, 2023 | TBD | | S. Pankovic | |
| 18 | Order materials and DOE | October 14, 2023 | October 31, 2023 | | B. Ed | Meeting on 10/17 at Ford to discuss re-design of module DOE to be completed with new test protocols Target 4 sheets, all minor bug locations - avg 7M reduction |

EP04-023 3015

From: Goff, Brandon [Brandon.Goff@brose.net]
Sent: Monday, November 03, 2003 2:54 PM
To: Reeves, Scott (S.C.); Ford, Randy (R.); Goodchild, Tim (T.O.); Peshkopia, Stacy
Subject: Issues List.xls



Issues List.xls (323
KB)

Attached is the issues list for tomorrow's meeting. Also, I have attached our DOE so far with modified rod bends. <<Issues List.xls>>

Title: 630 - 639 mm Tapered and Flanged
Location: Large Cannons, Guns and Firearms
Dist. No.: 1-482-261-0249
Part No.: 1870624

Buy Order: S. Oul, E. Eriksson, E. Junttila, I. Chantrel, R. Pout, E. Peltola, A. Hilt, W. Lind, E. Penttinen, P. Aalaja, T. Chantrel
Update: November 9, 2002

| | | | | | | |
|----|--|---|--------------------|------------------|------------------|--|
| | | | | | | |
| 4 | Verify initial dimensions in accordance with L&L drawing | Q | September 26, 2002 | TED | T. Oksanen | It is to be completed after all post material testing has been completed. L&L has to be returned to SA in a Post Test before being decommissioned. Only one item will be sent from the A Post Test, when one is to be decommissioned. This implies will be sent back for A Post testing. |
| | | | | | | |
| 1A | Verify initial dimensions for post-test samples in accordance with | | October 7, 2002 | October 19, 2002 | November 1, 2002 | E. Eriksson |
| | | | | | | |

EM04-823 3817

Topic: 829 - 829 A.S. Turnage and Turnage
Location: Logo Conference Room at Turnage
Call No: 1-888-827-0468
Precedence: MRP-101
Participants: E. Col, B. Blumstein, E. Pharis, T. Sandoval, A. Pev, B. Brown, A. V'N, W. White, S. Pankaj, P. Anshy, C. Dossan
Updated: November 4, 2003

| | | | | | | |
|----|---|--------------------|------------------|------------------|-------------|--|
| 12 | 1 Prod Test | October 13, 2003 | 700 | | T. Sandoval | 1 Prod testing to be completed with testing returned from Leonard Testing will start after 12:00 PM on 10/13/03 and completed (Plan B) based on completion of 1 in 2 batches will be called MCRN testing have returned to be called |
| 13 | Prod returned test report for prod outdoor testing with MPO report | October 14, 2003 | October 16, 2003 | November 4, 2003 | C. Dossan | Updates will be provided throughout testing Lower material costs will be recognized for Test report to be provided on Tuesday, 10/14/03 Turnaround time report to be provided |
| 4 | Process for solar glasses acceptance with your equipment (CPI 1 10/17/03) | September 26, 2003 | October 6, 2003 | | E. Pharis | Updates will be provided throughout testing Lower material costs will be recognized for Test report to be provided on Tuesday, 10/14/03 Turnaround time report to be provided |
| 5 | Final testing with LE PV testing | September 26, 2003 | October 6, 2003 | | A. White | Testing to be completed in final with 1 PV 10/26 MCRN testing on updated drawing to be March 2004 BCP |
| 7 | Updates have been ongoing with your latest part numbers (BY MPO) | September 26, 2003 | October 7, 2003 | October 23, 2003 | A. White | After MCRN part is at 100% Both batch drawings updated on 10/23, all results to be submitted |
| 8 | Updates have been ongoing with your latest part numbers | September 26, 2003 | October 7, 2003 | October 23, 2003 | A. White | |
| 8 | Material drawings updated with new part numbers per drawing | September 26, 2003 | October 7, 2003 | November 4, 2003 | S. Pankaj | New material part # 1002 Same last drawing needs to be updated - see part # Drawing multi-use junction in Part on file E Drawing to go in Excel format on 10/23, all updated part numbers |

ENG-823 3518

Titel: 8228 - 009 A.M. Trolley für Beauftragte
Leistung: Lager (Drehstuhl) Platte und Tastermechanik
Zeichner: 1-000-001-0000
Prozessor: 1/20/00
Entwickler: H. Wolf, B. Schwan, E. Frenzel, T. Grottel, H. Fied, G. Frenzel, A. Mitter, M. Velt, S. Pothmann, F. Ameln, G. Grottel
Revisions: November 3, 2000

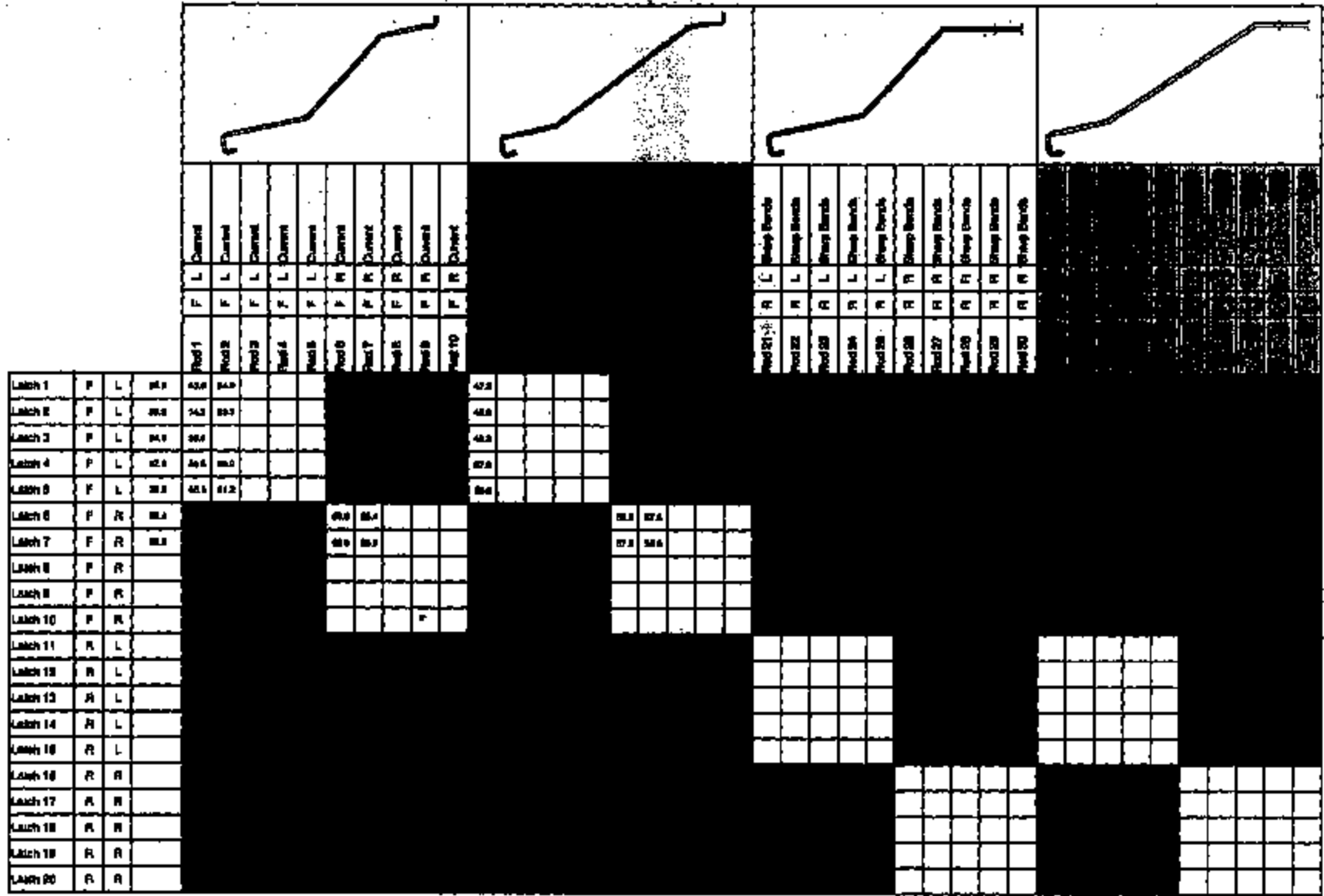
| | | | | | | |
|----|--|--------------------|-------------------|--|--------------------------|--|
| 12 | Einbau des Lagers für die Achse mit Montageanleitung | September 24, 2000 | October 17, 2000 | | S. Grottel G. Frenzel | Änderung des Lagers mit dem neuen Drehstuhl Drehstuhl zu T. Grottel im LGS |
| 13 | Einbau des Lagers für die Achse mit Montageanleitung | October 1, 2000 | YES | | S. Pothmann | |
| 14 | Einbau des Lagers für die Achse mit Montageanleitung | October 14, 2000 | October 17, 2000 | | S. Fied | Montage im LGS in Form in einem 20-Grad-Winkel LGS für die Achse mit dem neuen Drehstuhl LGS 4. Änderung mit dem neuen Drehstuhl - bei der Montage |
| 15 | Einbau des Lagers für die Achse mit Montageanleitung | November 2, 2000 | | | T. Grottel | |
| 16 | Einbau des Lagers für die Achse mit Montageanleitung | November 2, 2000 | | | | |
| 1 | Einbau des Lagers für die Achse mit Montageanleitung | November 2, 2000 | November 14, 2000 | | H. Fied | Änderung des Lagers mit dem neuen Drehstuhl LGS für die Achse mit dem neuen Drehstuhl LGS 4. Änderung mit dem neuen Drehstuhl - bei der Montage |
| 2 | Einbau des Lagers für die Achse mit Montageanleitung | November 2, 2000 | | | T. Grottel | Änderung des Lagers mit dem neuen Drehstuhl LGS für die Achse mit dem neuen Drehstuhl LGS 4. Änderung mit dem neuen Drehstuhl - bei der Montage |

EM04-023 3819

Artikel 128
 Entwickelt durch den Technischen Dienst
 Datum: 11.01.01

Projektleiter: H. Fied
 Projektschreiber: G. Frenzel

8228/001 LGS
 21.01.01 10:00:00



E904-023 3828

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Wednesday, November 05, 2003 3:12 PM
To: Reeves, Scott (S.C.); tgoodchi@ford.com; rford17@ford.com; Peshkopia, Stacy



Issues List.xls (325
KB)

Here is the updated open issues list for tomorrow's 8:00 teleconference.

Best Regards

Brose North America, Inc.
LKS - Closure Systems

Brandon Goll

2630 Superior Court
Auburn Hills, MI 48326
USA
Phone: +1 (248) 754 1825
Fax: +1 (248) 364 2306
Mobile: +1 (734) 693 4542
Email: Brandon.Goll@brose.net

Time: 8:00 - 9:00 a.m. Tuesdays and Thursdays

Location: Large Conference Room and Teleconference

Call-In: 1-800-327-0880

Presented: 13000490

Coordinators: B. Cox, K. Schaffner, D. Russell, T. Goodrich, R. Ford, R. Harvey, A. Vajda, W. Votr, S. Pankajic, P. Ahlby, C. Corcoran

Updated: November 6, 2003



| | | | | | | | |
|---|--|---|--------------------|-----|--|-------------|--|
| 4 | Vertical dimensions for sub-panel labels on Lowered labels | C | September 30, 2003 | TRC | | C. Corcoran | To be completed after all other vehicle labeling has been completed. Labels will be returned to MA for 4 Post Test before being disseminated. Only one label will be sent back for 4 Post Test, after any to be disseminated. Blank labels will be sent back for 4 Post testing. |
|---|--|---|--------------------|-----|--|-------------|--|



ENR-023 3022

Time: 8:30 - 8:45 a.m. Tuesdays and Thursdays
Location: Large Conference Room and Teleconference
Code: 1-800-833-3648
Phone: 1325490
Distribution: S. Gölz, B. Gieseler, D. Riedel, T. Grottel, R. Fiedl, B. Pöschel, A. Witz, W. Voh, B. Pöschel, F. Alkaya, C. Coenen
Updated: November 5, 2003

| Item | Description | Start Date | End Date | Responsible | Comments | |
|------|---|--------------------|------------------|------------------|-------------|---|
| 14 | Final release drawings for sub-panels on production parts | October 7, 2003 | October 15, 2003 | November 5, 2003 | B. Schwilke | Delivery date to be provided for surface application, surface treatment, color matching, and surface coating. Brosse needs to provide completed parts. Weighted dimension data to be submitted. |
| 13 | 4 Pin Test | October 13, 2003 | TBD | | T. Grottel | 4 Pin testing to be completed with intercom allowed level lowered. Testing will start after bench, PWD tests are completed (item 10). Final confirmation II I or II failure will be tested. BOTH intercom tests lowered to be tested. Last module to be B. Pöschel I 149. |
| 15 | Final release test report for panel without testing with APD inputs | October 14, 2003 | October 28, 2003 | November 5, 2003 | C. Coenen | APD test will be provided throughout testing. Lower APD test levels will be completed first. Test report to be provided to Brose NA on 10/21. Transmitted test report to be provided. |
| 4 | Concern for cable release completed with part numbers (C111487101) | September 26, 2003 | October 1, 2003 | | B. Pöschel | Before this is a sub-plate change, PWD test will require PWD test complete. Concerns. Once test is completed can not be updated until PWD test is approved change. PWS test is Concern report to be submitted. All drawings approved. |

E004-023 3823

Time: 8:00 - 8:30 a.m. Tooling and Tooling

Location: Large Conference Room and Teleconference

Call-in: 1-800-827-3640

Participant: 12/26/03

Participants: B. Got, E. Schmitt, G. Burch, T. Goodrich, R. Ford, S. Harvey, A. Wild, W. Metz, S. Penning, F. Adams, C. Conrad

Updated: November 3, 2003

| Item # | Description | Start Date | End Date | Lead | Owner | Notes |
|--------|--|--------------------|------------------|------------------|--------------------------|---|
| 6 | Design Study with Bill PV meeting | September 29, 2003 | October 6, 2003 | XXXXXXXXXXXX | E. Schmitt | Timing to be confirmed in 2003 on 10/15/03 Starts working on updated design to fit March 2004 spec |
| 8 | Update lubrication specification with new design element | September 29, 2003 | October 7, 2003 | October 28, 2003 | A. Wild | |
| 12 | Define final test for rollers with design meeting | September 29, 2003 | October 17, 2003 | | T. Goodrich G. Conrad | Update in design spec with final test execution Draft sent to T. Goodrich on 10/27 |
| 13 | Define release part plan for re-work with sales process | October 8, 2003 | YTD | | A. Penning | |
| 16 | Order release two DCE | October 14, 2003 | October 21, 2003 | XXXXXXXXXXXX | B. Got | Meeting on 10/17 at Ford to discuss re-design of module DCE to be completed with new tool geometries Testing 4 samples with new tool geometries - Proj 214 reduction Tests to be completed on 1/2/04 |
| 17 | APG-E testing with design 528 fixtures | November 3, 2003 | XXXXXX | | T. Goodrich | Need update of when fixtures can be picked up for final test phase |

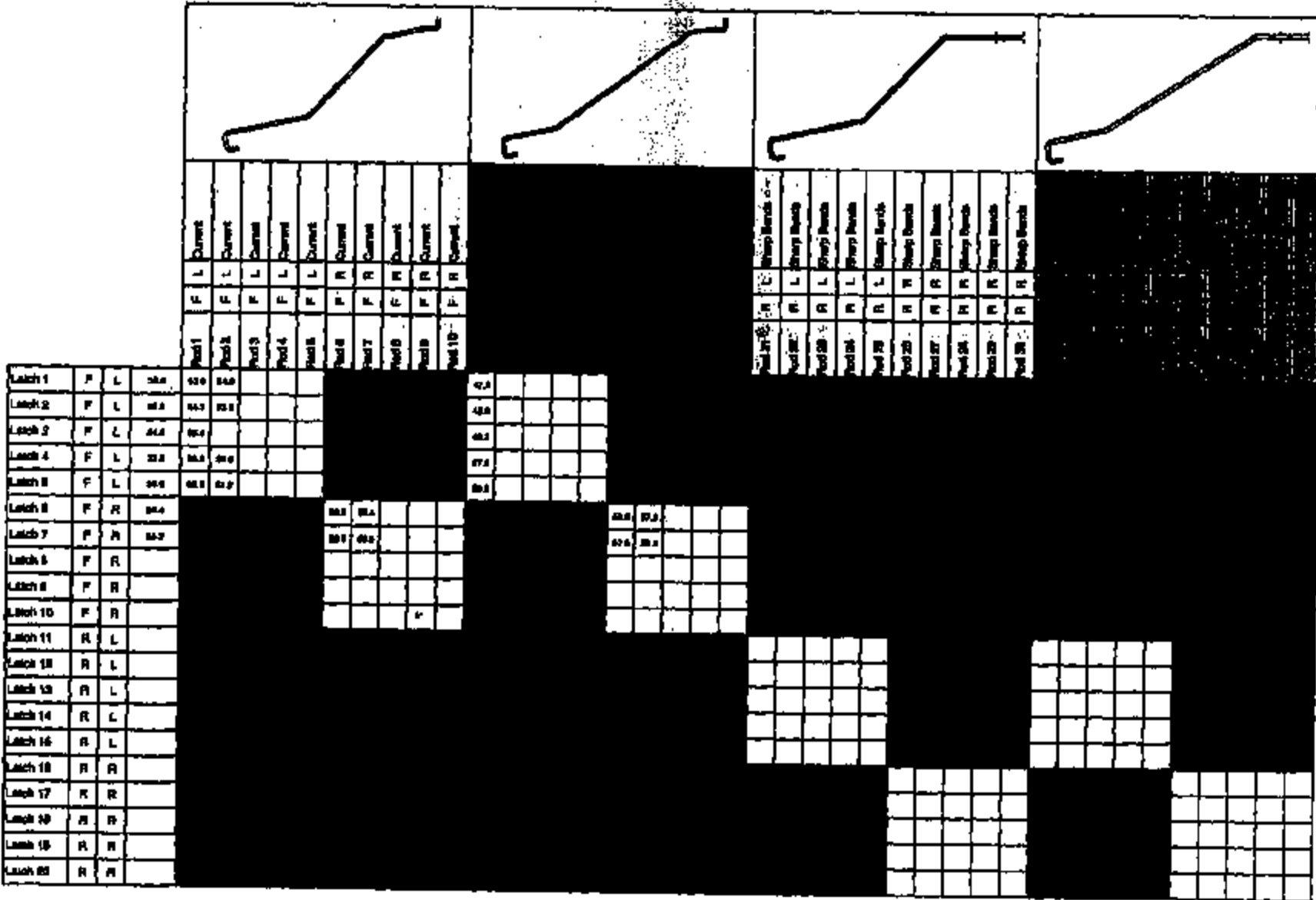
E004-823 3824

Time: 09:00 - 02:00 h.m. Tuesdays and Thursdays
Location: Large Conference Room and Thaleslaboratory
Call no: 1-800-367-0840
Personnel: (308848)
Responsible: R. Ebel, R. Spelmann, D. Strohbl, T. Gumbold, R. Ford, S. Roesler, A. Maida, W. Vahl, B. Fiedler, P. Altrays, D. Conrad

Updated: November 5, 2003

| Item | Description | Start Date | End Date | Project Lead | Responsible | Comments |
|------|--|------------------|------------------|--------------|-------------|---|
| 18 | P-1 Switch IOLT effort to prevent rework | November 3, 2003 | TBD | | R. Ebel | 4 more machines will need program to be verified. Switch in production start and 4761 dates of test. Latencies will be evaluated every 1000 cycles until 20000 cycles work. |
| 19 | Major BSC problem durability testing | November 5, 2003 | November 7, 2003 | | R. Ebel | Completed test results in the form of an IUT |
| 20 | D-tiltage auto machine effort completion | November 8, 2003 | ASAP completion | | R. Gell | ASG D-tiltage auto machine effort reduction completed in Major production |
| 1 | Line Title | November 3, 2003 | pre-shipment | | R. Ford | Desktop line title is to verify the IPD with test not deployed before to provide quote for line test parts for IUTS IPD |
| 2 | Latex case number update strategy | November 3, 2003 | | | T. Gumbold | How will latex case numbers be updated to support current location for service? |

ENR-623 3625



6296-823 3626

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Monday, January 05, 2004 3:44 PM
To: Reeves, Scott (S.C.); Ford, Randy (R.); Celaya, Isabel (I.); Peshkopia, Stacy; Goodchild, Tim (T.O.)
Subject: Open Issues List



Issues List.xls (63 KB)

Attached is the open issues list for tomorrow's 7:30-8:30 meeting.

Best Regards

Brose North America, Inc.
LK5 - Closure Systems

Brandon Goll

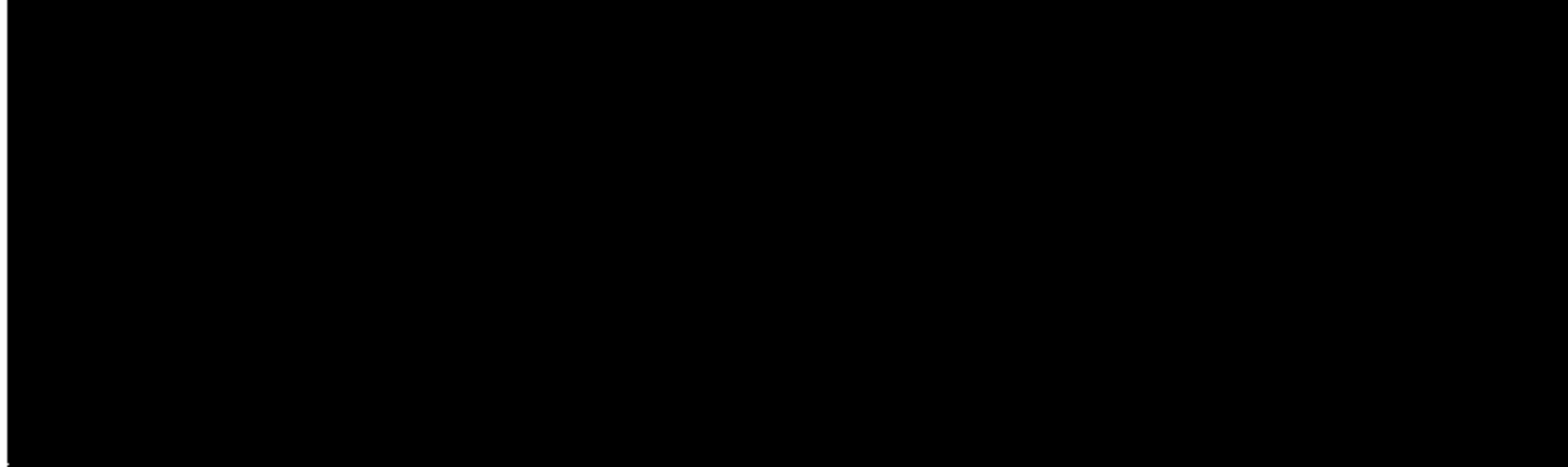
2630 Superior Court
Auburn Hills, MI 48326
USA
Phone: +1 (248) 754 1825
Fax: +1 (248) 364 2306
Mobile: +1 (734) 693 4542
Email: Brandon.Goll@brose.net

Time: 8:00 - 8:30 a.m. Tuesdays and Thursdays
 Location: Large Conference Room and Teleconferencing
 Call-In: 1-800-827-0840
 Fax number: 208-333-4300

Webmasters: R. Cook, S. DeWalt, D. Hensel, T. Scoville, R. Ford, S. Reeves, A. White, W. Voh, K. Woodruff
 Updated: January 8, 2004



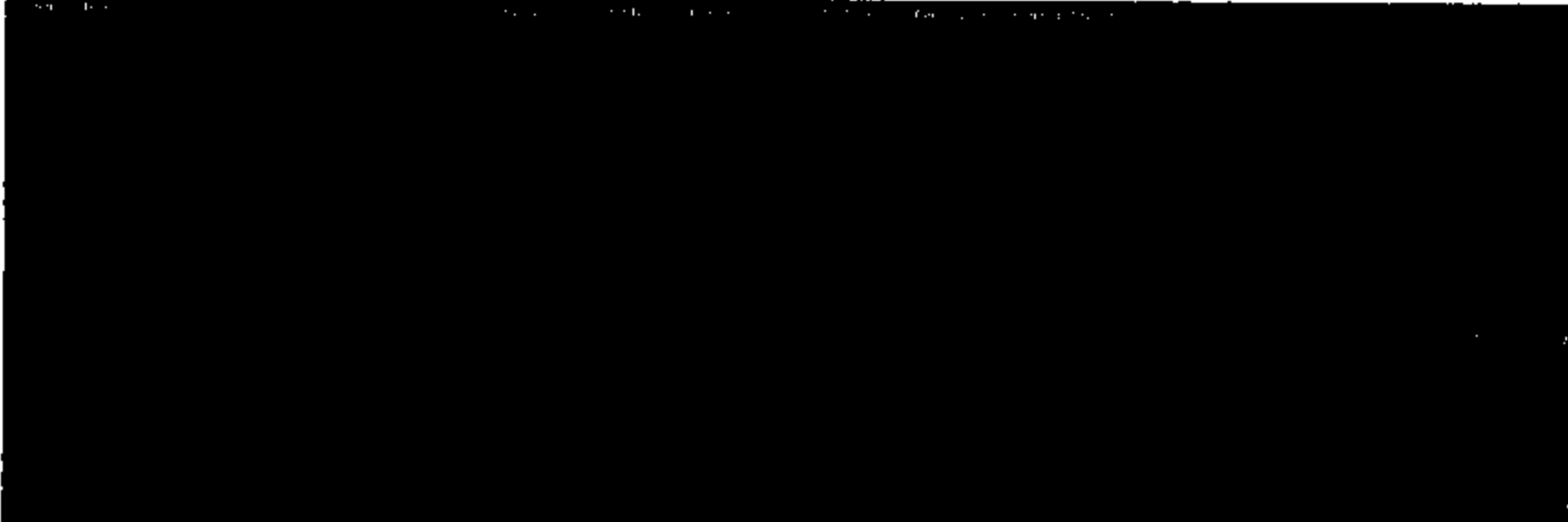
| | | | | | | |
|---|---|--------------------|-----|--|-----------|--|
| 4 | Weekly official statements for anti-trust violation on Laramie National | September 30, 2003 | TRD | | C. Conner | <p>To be completed after all oral witness testimony has been completed. Latches will be returned to NR for 4 Post Test before being decommissioned. Only one batch will be sent back for 4 Post Test, other one to be decommissioned. Some latches will be sent back for 4 Post testing. 4 Post testing completely finished. Latched @ 8:00 waiting for Ford decision as to latches.</p> |
|---|---|--------------------|-----|--|-----------|--|



E904-023 3828

Name: EPC - 200 L.V. Technology and Technology
Location: Large Commercial Floor and Subcontractors
Call No: 1-800-387-6888
Package: 1000000

Manufacturer: E. Dell, G. Schwilke, D. Fawcett, T. Goulet, R. Ford, S. Fawcett, A. West, M. Vitz, B. Penelope
Updated: January 5, 2004



| | | | | | | |
|---|--|--------------------|-----------------|--------------|-------------|--|
| 4 | Change in work order completed with past meeting (CI 150755) | September 28, 2003 | October 2, 2003 | | B. Penelope | Allow this to be a normal change. Ford (R) and Jacques (R) also completed documents. Make sure drawing can not be updated with Ford (R) has approved change. Ford (R) in Cancun needs to be notified. All drawings submitted. Need PMU and plug this color. |
| 5 | Change drawing with MEPV meeting | September 28, 2003 | October 2, 2003 | JANUARY 2004 | E. Dell | Meeting to be reviewed in solution. L2-100 EPC meeting on updated going to be done EPC BCP Drawing to be re-established along with all other work order release all out to EPC. Drawing to be reviewed using Magni (R) (R) Power Station (R) (R). Meeting to be reviewed with Ford (T. Goulet) with all (R) (R). T. Taylor to set up |

EPC-023 1823

Year: 200 - 206 a.m. Tuesdays and Thursdays
Location: Large Conference Room and Teleconferencing
Call In: 1-800-857-3446
Facsimile: 1-800-857-3446
Webmaster: S. Ovi, S. Schmitt, D. Kuchel, T. Gaudin, R. Ford, S. Hayes, A. Wiles, M. Vets, S. Penelope
Updated: January 8, 2004

| | | | | | |
|----|---|--------------------|------------------|------------------------|---|
| 16 | Define test log for battery with Mega cycling | September 24, 2003 | October 17, 2003 | T. Gaudin C. Oshiro | Update to define test with day and hours Draft sent to T. Gaudin on 10/17 Need Ford input for proposed test |
| 17 | AFQ-E testing with Mega 160 latches | November 3, 2003 | 1/4/04 review | T. Gaudin | Need update of when latches are to be picked up for EOL test phase Latches need to be picked up by Bruce for T&E testing Latches picked up and will be tested @ Bruce site Awaiting test results from Bruce site |
| 18 | F1 latch NLT short increase test campaign | November 3, 2003 | 1/4/04 review | S. Ovi | 4 more latches with pins present to be tested. Bruce to provide test and end cause of test. Latches will be returned every 1000 cycles after 20000 cycle test. One latch pulled out at 17000 cycles and replaced. Outer release stroke increased from 24N to 40N. Root cause analysis - refer and paid for root cause of other increases. Remaining 3 latches have not increased after 25000 cycles. One latch @ 20000 cycles after 20000 cycles. Will take this off for inspection @ Bruce. |

EN04-023 2630

Time: 8:00 - 8:30 a.m. Tuesdays and Thursdays
 Location: Large Conference Room and Teleconference
 Call-In: 1-800-387-3448
 Facsimile: 13828420
 Mailings: E. Cole, S. Gendreau, G. Randall, T. Sautchik, R. Ford, S. Reeves, A. White, W. Vitz, B. Pankopf
 Update: January 6, 2004

| Item | Topic | Date | Facilitator | Location | Presenters | Comments |
|------|------------------------------------|-------------------|------------------|-----------------|------------|--|
| 20 | Develop customer support program | November 3, 2003 | RESEARCH/REVIEW | | R. Cole | Final Design/Design clear release of final production workshop to design workshop |
| 21 | Customer re-design | November 5, 2003 | RESEARCH/REVIEW | | R. Cole | Design proposal for better design and better mechanical advantage Design proposal for changes submitted to Ford Changes to: reinforcement, die cast and need input from Ford to proceed Brian to provide cost and timing by 12/18 |
| 22 | Legal work | November 12, 2003 | ANALYSIS/REVIEW | | B. Pankopf | Legal work being developed for Model 900 B.C.T.M. Estimated complete date of 12/18/03. |
| 1 | Line trial | November 3, 2003 | PERFORMANCE | January 8, 2004 | R. Ford | Develop line trial in 10 minutes per 700 will look and compare make to provide guide for line trial for 1/18/04 Line trial to take place 2nd week of January |
| 2 | Launch part number update strategy | November 5, 2003 | RESEARCH/REVIEW | | S. Reeves | How will this part numbers be updated to keep customer in check for services? Need input from Ford - Part number applications (40/70/80) How will this part numbers be updated for re-configuration? |
| 3 | Review parts in Common | November 7, 2003 | RESEARCH/REVIEW | | S. Pankopf | |
| 4 | Build stock in Common | November 1, 2003 | RESEARCH/REVIEW | | B. Pankopf | |
| 5 | Develop timing | November 3, 2003 | | | W. Vitz | |
| 1 | Detail building solution | December 11, 2003 | December 9, 2003 | | J. Pankopf | Very similar content proposed by Brian - 104 (Exhausted 200, Performance 200) and 102 (Exhausted 200 Model Truck Performance and 100) 101 specification is 200 for all spray and 102 specification is 700 for all spray 101/12 - Ford has sequence build order for 101 proposed 101/10 - J. Pankopf changing if sequence order of 101 changing to black by 12/10 |
| 2 | Timing | December 11, 2003 | | | B. Pankopf | |

ERRA-023 3831

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Monday, October 13, 2003 2:29 PM
To: tgoodchi@ford.com; Reeves, Scott (S.C.); Ford, Randy (R.); Pashkopa, Stacy; Athalye, Parag; Rundell, David; dbejuna@ford.com
Subject: PWC and High Efforts Issues List



Issues List.xls (53
KB)

Here is the open issues list for the Tuesday 8:00 teleconference.

Best Regards

Brose North America, Inc.
LK5 - Closure Systems

Brandon Goll

2630 Superior Court
Auburn Hills, MI 48326
USA
Phone: +1 (248) 754 1825
Fax: +1 (248) 364 2306
Mobile: +1 (734) 693 4542
Email: Brandon.Goll@brose.net

Time: 8:30 - 9:00 a.m. Tuesdays and Thursdays
 Location: Large Conference Room and Teleconferencing
 Subject: 1-400-877-9999
 Presenters: 18999400

Participants: H. Gull, H. Schneider, G. Ranzler, T. Grottel, R. Paul, R. Raman, D. Rapp, A. Wink, W. Wolf, R. Fiedler, P. Arzberger

Updated: October 7, 2003

| | | | | | | |
|----|--|--------------------|------------------------|-----|--------------|--|
| 4 | Verify critical dimensions of Laminat inputs | September 29, 2003 | TBD | TBD | A. White | In the completed after all parts received starting this week completed Laminat will be returned to NA for 4 Post Test before being decommissioned |
| 5 | Final without hold on laminat returned from Laminat with new update inputs | September 29, 2003 | October 16, 2003 | TBD | A. White | In the completed after all parts received from the customer (part 3) Final Laminat and play-downs then received in House (MVI) |
| 7 | Finalness performance on jobs and part of Laminat laminat | September 29, 2003 | October 17, 2003 | TBD | A. White | In the completed after all parts received starting this week completed Laminat will be returned to NA for 4 Post Test before being decommissioned |
| 9 | Test report for all parts without testing completed | September 29, 2003 | As needed based on MVI | TBD | H. Gull | 0. Covered from House MVI remaining test reports MVI complete after Laminat inputs are used up (MVI) |
| 10 | Final test report without quality data will be completed | October 7, 2003 | TBD | | H. Schneider | Quality data will be provided for surface roughness, surface finish, hole location, etc. Laminat quality |
| 11 | Ship Laminat laminat back to NA for 4 Post Test | October 13, 2003 | TBD | | A. White | All 4 Post Test testing is completed with all test reports (part 3) |
| 12 | 4 Post testing | October 13, 2003 | TBD | | T. Dandridge | 4 Post testing will be completed with all test reports (part 3) Testing will start once House MVI parts are completed (part 3) |

EM04-023 4855

Time: 090 - 1130 a.m. Tuesdays and Thursdays

Location: Large Conference Room and Teleconferencing

Office: 1-442-387-2848

Phone: 1-800-430

Participants: B. Galt, G. Brantley, G. Funchell, T. Gumbrell, R. Ford, B. Farrow, D. Hagan, A. Wynn, W. Vela, S. Pankajya, P. Alford

Agenda: October 7, 2002

| | | | | | | |
|----|--|--------------------|------------------|--|----------------------------|---|
| 3 | Review legal issues resolved | September 24, 2002 | October 8, 2002 | | B. Farrow | B. Farrow meeting with G. Funchell |
| 4 | Changes for other groups example of calls past numbers (C11 82278) | September 26, 2002 | October 8, 2002 | | B. Galt T. Gumbrell | Verify that it is a correct change. If not the pro. group must take complete ownership. Some other groups may not be up-to-date and I need to have approved change. |
| 5 | Legal review with tel. PV meeting | September 26, 2002 | October 8, 2002 | | A. White | |
| 7 | Update home base drawing with new legal past numbers (M7 2854) | September 26, 2002 | October 7, 2002 | | A. White | Have legal review of 4343 Need approval from A. Lortie |
| 8 | Update administrative specifications with other groups approval | September 26, 2002 | October 7, 2002 | | A. White | A. Lortie review for use last groups (12/02) |
| 9 | Mobile drawings updated with new past numbers (M7 2854) | September 27, 2002 | October 7, 2002 | | B. Galt | Have mobile review of 4343 Some home drawing needs to be updated - and have a drawing made-up provided to Ford on 10/8 |
| 12 | Review about how the business will be legal meeting | September 26, 2002 | October 17, 2002 | | T. Gumbrell B. Funchell | Meeting in Atlanta last with them and everyone. |
| 15 | Define mobile past plan for 10-08-02, with other groups | October 8, 2002 | | | B. Pankajya | |

EM04-0223 4029

brose
Brose North America, Inc.

TEST SPECIFICATION
Prüfvorschrift

Document No.
Preliminary

Page 1 of 5

| | | |
|--------------------------------------|---|--|
| Object: <i>Gegenstand:</i> | Test Specification for APG-E Testing of Side Door Latch and Striker | Dev.-No. Preliminary <i>Entw.-Nr.:</i> |
| Remark: Be-merkung: | This is a proposed spec to include Ford BI 123-01 (Laboratory-Simulated Arizona Proving Ground Test) method and relate it to latches and strikers.. | Customer No.: XXXXX <i>Kunde Nr.:</i> |

| | | | | |
|---|-------------|--|--|---|
| Customer: <i>Kunde:</i> | | Spec.-No.: <i>Spez.-Nr.:</i> | Version: 0.2 <i>Ausgabe:</i> | Date: 06May2004 <i>Datum:</i> |
| Vehicle: <i>Fahrzeug:</i> | C170 P1 | | | |
| Department: <i>Abteilung:</i> | Development | Testing | Quality / Manufacturing | Customer |
| Signature: <i>Unterschrift:</i> | | | | |
| Date: <i>Datum:</i> | | | | |

| No. Nr. | Change Änderung | Changed text Änderungstext | Change by geändert | Date Valid gültig | Checked Geprüft |
|---------|-----------------|--|--------------------|-------------------|-----------------|
| 0.1 | | Original - Preliminary Draft | | | |
| 0.2 | | Updated with specifics for testing, evaluation and analysis of the P1 latch. | D. Rundell | | |
| | | | | | |
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| | | | | | |

Date: 06May2004 **Dept.:** LK5 **Name:** Rundell **Original:** LK5

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| 1.4 | Test Samples |
| 1.5 | Conditioning and Test Conditions |
| 1.6 | Procedure |
| 1.7 | Evaluation |
| 2.0 | Analysis and Report |

Date: 06May2004

Dept.: LK5

Name: Rundell

Original: LK5

1.0 General Information

This test specification is written with reference to the defined test method from Ford Motor Company for Ford Laboratory Test Method BI 123-01. Modifications are made in this specification so that it relates to the corrosion testing of side door latches and strikers. The current Ford method is used to evaluate and rank the capability of paint coating systems to prevent corrosive attack at intact painted areas, mechanically-damaged or scribed location and dissimilar metal joints. The modifications from the Ford Laboratory Test Method include removal of the scribing process and removal of the immersion process so that it only includes the fine spray of salt solution. The Ford procedure simulates the corrosive conditions of the APG Vehicle Accelerated Corrosion Test (CETP 00.00-R-311) conducted on vehicles at the Ford Arizona Proving Grounds (APG) and produces coating failure modes that are the same as those observed on the interior and exterior areas of vehicles tested at APG.

1.1 General Description

This test procedure is used to evaluate the relative corrosion performance of latches and strikers. It is designed to simulate the corrosive conditions of the Arizona Proving Ground (APG) Vehicle Accelerated Corrosion Test (CETP 00.00-R-311).

1.2 Apparatus Required**Humidity Cabinet**

Blue M Engineering Company, Model AC-7502HA-1, Thermocon ACT-30, or equivalent, with forced air circulation, temperature control of $\pm 2^{\circ}\text{C}$ to 65°C and relative humidity control of $\pm 2\%$ up to 80 %.

Brush

Camel hair brush, flat style (VWR Catalog No. 17215-067, or equivalent).

1.3 Materials Required**Towels**

Paper or cloth.

Sodium Chloride

Reagent grade.

Hydrochloric Acid

Reagent grade.

Sodium Hydroxide

Reagent grade.

Distilled or Deionized Water

10 ppm max dissolved solids per ASTM D 1888.

Keofin or ATD

Powder, N.F. grade, or ATD (ISO Arizona Test Dust)

1.4 Test Samples

Test samples are to represent design and process intent for evaluation of corrosive effects.

1.5 Conditioning and Test Conditions

All test values indicated herein are based on material conditioned in a controlled atmosphere of $23 \pm 2^\circ\text{C}$ and $50 \pm 5\%$ relative humidity for not less than 24 h prior to testing and tested under the same conditions unless otherwise specified.

1.6 Procedure**1. Prepare a 5% salt solution as follows:**

Dissolve 53g of sodium chloride per liter of distilled or deionized water. Sufficient test solution should be prepared to allow samples to be completely sprayed.

Adjust the solution pH to 8.0 - 8.0 by the addition of hydrochloric acid or sodium hydroxide.

2. In order to simulate dust contamination, load a camel hair brush with a small amount of dry kaolin powder or ATD (ISO Arizona Test Dust) and lightly brush it on the coated surfaces to obtain a uniform, thin, dry coating on the outside of the sample.

3. Spray the samples with the 5% sodium chloride solution at room temperature ($23 \pm 2^\circ\text{C}$) with a fine spray. Recommendation is 40-60 ml/day sprayed for 45 seconds.

4. Allow the samples to drain and dry at room temperature for 1.2 - 1.3 hours.

5. Wipe the bottom edge of the samples with a towel to remove excess salt which accumulates during the drain-and-dry period. Use care not to remove the kaolin from the remainder of the sample.

6. Place the samples in the temperature/humidity cabinet operating at $50 \pm 2^\circ\text{C}$ and 85 - 90% relative humidity for 22.4 - 22.6 hours.

Samples shall be suspended in as close to body position as possible from rods on insulated hooks.

(The intent is to prevent galvanic corrosion resulting from contact with a bare hook.

The use of slotted racks, such as employed in salt spray testing, can result in the transfer of an excessive amount of sodium chloride into the humidity chamber. The use of rods and insulated hooks will prevent early corrosion-induced equipment failure and premature corrosion of the bottom portion of the samples.)

7. Repeat Steps 3 through 6 every 24 hours, Monday through Friday. During weekends and holidays leave the specimens in the humidity cabinet (which continues to operate).

Note: One test cycle is completed after performing Steps 3 through 6. A maximum of five test cycles shall be run each week.

1.7 Evaluation

Visually examine samples every test cycle for blisters, rust and other evidence of deterioration of the coating system and log the results. Check functional operation by locking/unlocking, closing and releasing latch. Measure and record release efforts and travel every five (5) test cycles for reference, but not as test acceptance criteria.

Note: To facilitate inspection, the kaolin or ATD coating may be removed by gently wiping the sample surface with a soft towel under running tap water. If testing is to be continued, dry the sample at room temperature and coat the painted surface with kaolin powder or ATD as described in Step 2 of the Procedure.

2.0 Analysis and Report

The visual acceptance criteria is defined as no red rust corrosion in the latch striker opening after 20 test cycles. (as would be seen through sheetmetal door fishmouth)

The functional acceptance criteria is defined as locking/unlocking, closing and opening by the release levers after the completion of 30 test cycles.

A test log of visual and operational findings are to be included in the test report along with release efforts and travels at zero cycles, 5 test cycle increments and test termination.

From: Goll, Brandon [Brandon.Goll@bross.net]
Sent: Thursday, October 23, 2003 7:49 AM
To: tgoodchi@ford.com; Ford, Randy (R.); Reeves, Scott (S.C.)
Subject: Issues List.xls

Importance: High



Issues List.xls (55
KB)

Issues list for 8:00 teleconference

<<Issues List.xls>>

Time: 8:30 - 9:00 a.m. Tuesdays and Thursdays

Location: Large Conference Room and Telepresence

Call-In: 1-800-367-2640

Passcode: 1302980

Attendees: B. Giel, B. Gierstler, D. Fuschel, T. Goodrich, R. Fong, S. Fowles, D. Hefner, A. White, W. Vitor, S. Pothmann, P. Alkaya, C. Casner

Updated: October 28, 2009

| Item | Description | Item No. | Quantity | Unit | Material | Responsible | Comments |
|------|---|----------|----------|------|------------------|--------------|---|
| 4 | Verify critical dimensions for end-panel attached on Lateral Inboard | 83000 | 180 | | | C. Casner | To be completed after all post-release testing has been completed. Samples will be released to QA by 4 PM on Tues before being dispatched. Only one batch will be sent back for 4 PCBs Test, other one to be dispatched. |
| 5 | Final release test on Inboard released into Lateral with MPC inputs | 80000 | 107000 | | October 21, 2009 | C. Casner | To be completed after vehicle inputs have been determined (Item 3). Send final data captured to Brose 10/15. Ramp up test items will be completed first. MPC sensor accuracy for displacement is still in test. Test to be completed after final completed / tests to be completed. |
| 10 | Verify critical dimensions for end-panel attached on production parts | 18740 | 10000 | | | S. Schellert | Quality test to be provided for surface roughness, surface hardness, total roundness, and surface coating. |

BROS-023 4894

Time: 0900 - 1130 a.m. Tuesdays and Thursdays

Location: Large Conference Room and Teleconference

Chair: 1-800-387-0940

Participants: 13/22/03

Presentations: G. Gull, G. Schmitt, G. Purnell, T. Goodrich, R. Ford, B. Reeves, D. Dejnozka, A. White, W. Van, S. Paschke, P. Ahlert, C. Conner

Updated: October 22, 2003

| Item # | Task | Open Date | Close Date | Due Date | Requester | Complete Date | Status |
|--------|--|-----------|------------|------------------|--------------|---------------|---|
| 11 | Strip Laminated battery leads in NA for 4 Post Test | 10/15/03 | 10/25/03 | | C. Conner | | After PMAC testing is completed with new vehicle inputs (Item 1) Parts should arrive at Ford on 10/22. Only one part should be shipped back for 4 Post Test |
| 12 | 4 Post Test | 10/15/03 | 7/03 | | T. Goodrich | | 4 Post testing to be completed with inputs released from Laminated Testing and start after bench PMAC tests are completed (Item 1) |
| 13 | Post analysis test report for post without testing with MPPE inputs | 10/14/03 | 10/22/03 | | C. Conner | | Reports will be provided throughout testing. Report and test data will be completed later |
| 4 | Coordinate for auto grease application with part numbers (211520751) | 9/30/03 | 10/03/03 | | B. Paschke's | | Current visit is a no-cost change. Ford is the department who controls. Current. These batch drawings are not to be updated until Ford has approved change. Part list in Conner needs to be confirmed |
| 6 | Model drawing with lat PV testing | 09/29/03 | 10/04/03 | | A. White | | Timing to be reviewed in detail on 10/15/03. Items working on updated drawing is on March 2004 250P |
| 7 | Update basic batch drawing with appropriate part numbers (JTY 2904) | 9/29/03 | 10/07/03 | October 29, 2003 | A. White | | New batch parts in 4244 |
| 8 | Update lubrication specification with new grease product | 09/29/03 | 10/07/03 | October 26, 2003 | A. White | | |
| 9 | Minolta drawings updated with new part numbers (8972094) | 09/29/03 | 10/07/03 | October 13, 2003 | B. Gull | | New minolta part is 4943. These batch drawings needs to be updated - also list in drawing package provided to Ford on 10/12 |

EM04-823 4895



Titel: ESD - ESD s.a. Termine und Termine
Location: Large Conference Room and Teleconference
Ref. Nr.: 1-400-017-0040
Generator: 1389480
Distribution: E. EM, S. Repollet, O. Herold, T. Grotzsch, R. Fong, S. Reuss, D. Bajani, A. Wild, W. Volz, S. Pankovic, P. Alway, C. Coenen
System: Outlook PD. 2003



| | | | | | | |
|----|---|--------|--------|--|--------------------------|--|
| 12 | Define start and end for release with illegal working | 82403 | 101703 | | T. Grotzsch D. Coenen | Close to release and end date for definition |
| 13 | Define service part plan for AI-work with Acid projects | 104903 | YBO | | J. Pankovic | |
| 14 | Clear release and date | 101405 | 100703 | | D. Coe | Meeting on 10/17 at Ford to discuss re-charge of machine DOB to be completed with new and generation Tactical 4 examples with repair and hand. Specimens - see TN relation |

EM04-023 4/2006

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Monday, October 20, 2003 3:40 PM
To: Reeves, Scott (S.C.); Ford, Randy (R.); Peshkopia, Stacy; Athalya, Parag; Rundell, David
Subject: High Efforts / PWO Issues List



Issues List.xls (62
KB)

Here is the issues list for tomorrow morning's open issues meeting.

Best Regards

Brose North America, Inc.
LRS - Closure Systems

Brandon Goll

2630 Superior Court
Auburn Hills, MI 48326
USA
Phone: +1 (248) 754 1825
Fax: +1 (248) 364 2306
Mobile: +1 (734) 693 4542
Email: Brandon.Goll@brose.net

Time: 8:30 - 3:30 P.M. Tuesdays and Thursdays

Location: Large Conference Room and Teleconference

Phone: 1-800-367-3840

Reference: 1800440

Distributors: K. Dall, S. Schaller, U. Rindler, T. Gendrich, R. Ford, G. Reeves, D. Rajani, A. Witz, W. Vain, E. Patschka, P. Jansky, C. Cooper

Update: October 30, 2003

[REDACTED]

| | | | | | | | |
|----|--|------------|--------------------|------------------|-------------------|-------------|---|
| 4 | Verify critical dimensions for post-paint method on L-shaped brackets | [REDACTED] | September 30, 2003 | TBD | | D. Cooper | To be completed when all post method drawing has been completed. Lathings will be required to NA for 4 Post Test before being demonstrated |
| 5 | Final validation test on rollers returned from Lathings with APPO system | [REDACTED] | September 30, 2003 | October 10, 2003 | December 31, 2003 | C. Cooper | To be completed after all critical inputs have been demonstrated (line 3) Send Lath data analysis to Rayco 10/15 Lath data test reports will be completed first |
| 10 | Verify critical dimensions for post-paint rollers on post-paint parts | [REDACTED] | October 7, 2003 | October 14, 2003 | | S. Schaller | Quality data to be provided for surface roughness, surface hardness, core hardness, and surface coating |
| 11 | Ship Lathings Method back to NA for 4 Post Test | [REDACTED] | October 13, 2003 | October 22, 2003 | | C. Cooper | After PAPO testing is completed with no variable inputs (line 3) Parts should arrive at Ford on 10/27 Only one (1) should be shipped back. |

ENR-023 4850

Time: 8:00 - 8:00 p.m., Tuesdays and Thursdays

Location: Large Conference Room and Teleconference

Call-In: 1-800-587-2640

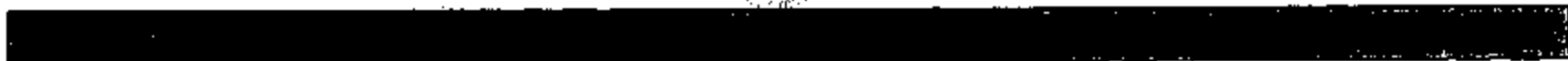
Facsimile: 33022609

Participants: E. Gell, S. Gervais, D. Kitchell, T. Goodchild, R. Ford, S. Reeves, D. Bujars, A. White, W. Vogt, S. Panzicchi, P. Alshay, D. Gibson

Updated: October 28, 2003

| Item | Description | Start Date | Completion Date | Responsible | Comments | |
|------|--|--------------------|------------------|------------------|---|--|
| 12 | 4 Post meeting | October 13, 2003 | TBD | T. Goodchild | 4 Post meeting to be completed with minutes returned from Lorenzo. Testing will start after Danish PWD tests are completed (Item 5) | |
| 13 | Final technical test report for post without testing with MPD inputs | October 14, 2003 | October 22, 2003 | C. Charan | Updates will be provided throughout testing. Lower post load tests will be completed first. | |
| 3 | Previous MPD concerns corrected | September 28, 2003 | October 6, 2003 | October 13, 2003 | S. Reeves | S. Reeves working with J. Nistor |
| 4 | Concern for delta grams completed with part numbers (011553751) | September 30, 2003 | October 3, 2003 | | S. Gell T. Goodchild | Because this is a no-cost change, Ford EU and Jaguar must also complete changes. Once left-hand drawing can be updated with Ford EU first approved change. |
| 6 | Meeting testing with full PV testing | September 26, 2003 | October 8, 2003 | | A. White | Testing is to be finished in detail on 10/14/03 |
| 7 | Update seat belt labeling with new latch part numbers (JW 2004) | September 26, 2003 | October 7, 2003 | October 12, 2003 | A. White | New latch part # 454A |
| 8 | Update wire harness specification with star grades manual | September 25, 2003 | October 7, 2003 | October 17, 2003 | A. White | |
| 9 | Vehicle drawings update with star part numbers (HY9804) | September 24, 2003 | October 7, 2003 | October 17, 2003 | E. Gell | New seatbelt grade is 4543. Once latch drawing needs to be updated - see note 4. Drawing work-ups provided to Ford on 10/12 |

EPP-023 4851



Time: 9:00 - 9:00 a.m. Tuesdays and Thursdays
 Location: Large Conference Room and Teleconference
 Call-In: 1-800-887-3643
 Fax/Email: 1-800-418

Distributors: E. Dell, S. Schweitzer, D. Renschel, T. Gostowski, R. Ford, S. Reeves, G. Sakana, A. White, M. Vozz, S. Puchalski, R. Abmayr, C. Doonan

Updated: October 28, 2003

| ID | Description | Start Date | End Date | Lead | Notes |
|----|--|--------------------|------------------|---------------------------|--|
| 12 | Callus that left by holding with magnet coating | September 24, 2003 | October 17, 2003 | T. Gostowski C. Doonan | Group is holding that with start and completion |
| 15 | Callus service past plus for re-work with extra grease | October 8, 2003 | TBD | S. Puchalski | |
| 16 | Include re-design | October 14, 2003 | TBD | E. Dell | Missing on 11077 at Ford to stimulate re-assembly of module DOE to be completed with new rod geometry - waiting for Tech team quote |

EMR-823 4852

From: Goll, Brandon [Brandon.Goll@bross.net]
Sent: Monday, November 03, 2003 2:54 PM
To: Reeves, Scott (S.C.); Ford, Randy (R.); Goodchild, Tim (T.O.); Peshkopia, Stacy
Subject: Issues List.xls



Issues List.xls (323
KB)

Attached is the issues list for tomorrow's meeting. Also, I have attached our DOE so far with modified rod bands. <<Issues List.xls>>

Title: 070 - 200 a.m. Management Meeting
Location: Large Conference Room and Teleconference
City: (300-927-4945)
Personnel: 1288943
Distribution: B. Oak, S. Schmitt, G. Rensch, T. Grotzsch, A. Fied, E. Buehl, A. Witz, W. Jock, G. Fiedler, P. Ahlke, G. Casper
Updated: November 1, 2002

| | | | | | | | |
|---|--|---|--------------------|------------------|------------------|------------|---|
| 4 | Daily e-Mail circulation for national meeting on Learning Initiative | G | September 20, 2002 | TRG | | G. Casper | <p>It is anticipated that all post national meeting has been completed. Address will be submitted to HQ by 4 PM. Post-Event follow-up information. Only one team will be most likely to 4 PM. Post-Event follow-up will be in discussion. Both meeting will be 4 PM, both for 4 PM meeting.</p> |
| 5 | Daily e-Mail circulation for national meeting on Learning Initiative | | October 7, 2002 | October 16, 2002 | November 8, 2002 | S. Schmitt | <p>Meeting will be provided for national meeting, national agreement, new agreement, and national meeting. Please contact in person or telephone. Meeting information will be in discussion.</p> |

ENR-823 4845



Title: ESM - EGS s.m. Technology and Standards
Location: High Performance Power and Transportation
Office: 1-800-957-8888
Responsible: ESM-002
Contributors: B. Choi, B. Bhatnagar, D. Bhandal, T. Choudhury, R. Fied, S. Thomas, A. Wicks, W. Vaj, S. Parthasarathy, P. Anaya, G. Chakravarty
Update: November 13, 2008

| | | | | | | |
|----|---|--------------------|------------------|-------------------|------------------|---|
| 11 | 4 Feed Feed | October 01, 2008 | TBD | | T. Choudhury | 4 Feed testing to be completed with limited equipment. Limited testing will occur until power PMO more are completed (see #). Wind measurements 2 x 4 x 4 towers will be used. SCADA limited testing, power to be tested. |
| 12 | Feed voltage feed system for power system testing with MPD system | October 14, 2008 | October 20, 2008 | November 10, 2008 | A. Wicks | Systems will be prepared for testing. Issues and test data will be completed. Test report to be provided to Power Lab on 11/10. Performance test report to be provided. |
| 4 | Connect to other power equipment with feed numbers (2) (M2000) | September 20, 2008 | October 2, 2008 | | S. Parthasarathy | Issues with it is to connect. Feed 21 and 22. System will also complete Connect. Some test data may not be updated and Feed 20 has appeared change. Feed 21 to Connect needs to be completed. |
| 6 | Signal testing with PV testing | September 26, 2008 | October 1, 2008 | | A. Wicks | Testing to be completed in detail with MPD. Data working on updated theory to 10 March 2004 SOP. |
| 7 | System tests with drawing with test data feed numbers (2) (M2000) | September 26, 2008 | October 7, 2008 | October 26, 2008 | A. Wicks | Test data from 2008. Data which drawing updated on 10/26, will report to be submitted. |
| 8 | System tests with drawing with test data feed numbers (2) (M2000) | September 26, 2008 | October 7, 2008 | October 26, 2008 | A. Wicks | |
| 1 | System tests with drawing with test data feed numbers (2) (M2000) | September 26, 2008 | October 7, 2008 | November 4, 2008 | B. Choi | Test data from 2008. Some test drawing needs to be updated - test data. Drawing work was provided to Power Lab on 10/13. Drawing to go to Day and Services on 11/10 and update into Feed system. |

EPO4-023 4946

Title: ECR - 225 S.A. Technology and Technology

Location: Large Computer Room and Technology

Call No: 1-800-367-2842

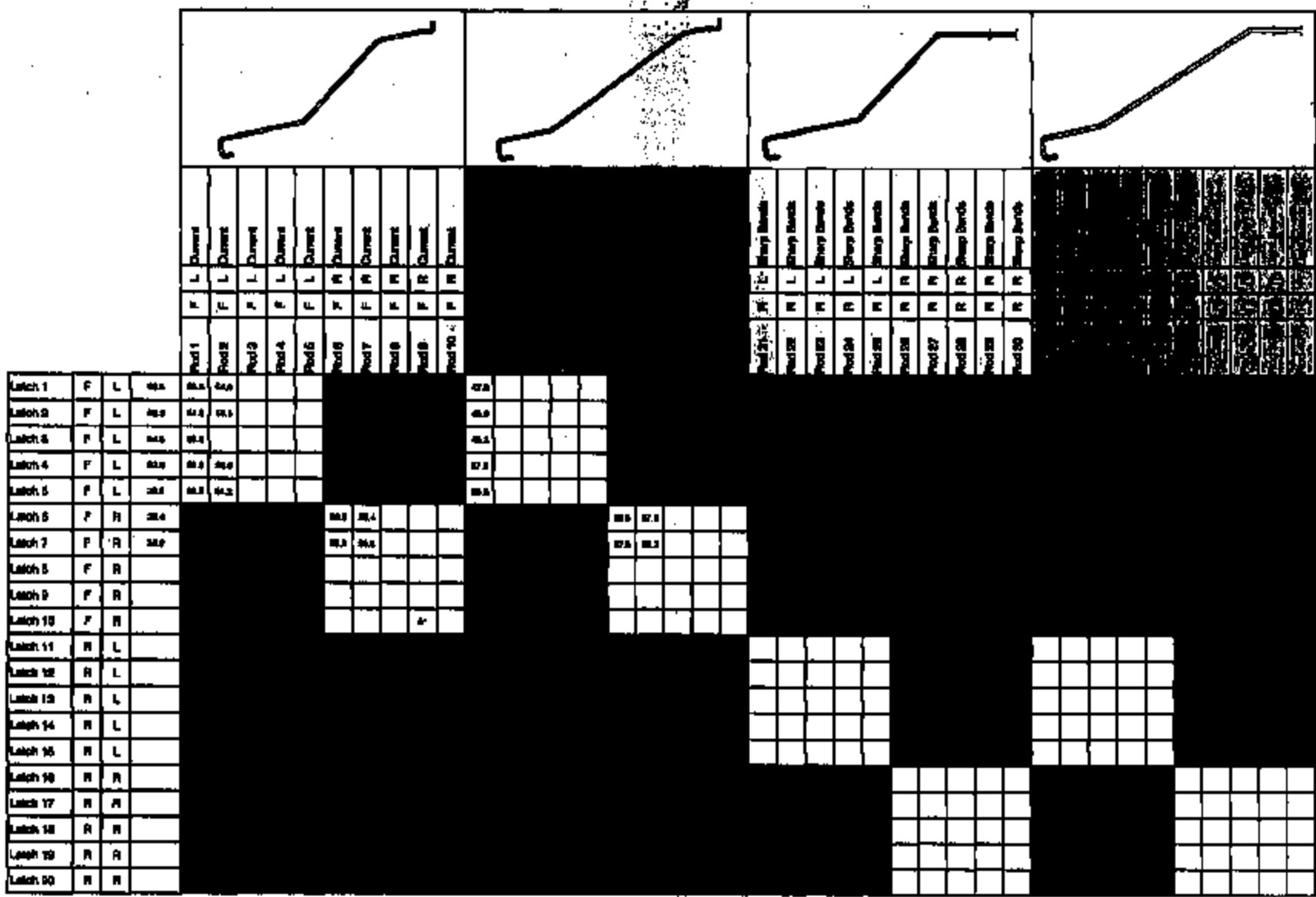
Keywords: ECR-225

Abstractors: B. Bell, B. Baskin, B. Baskin, T. Baskin, R. Bell, R. Bell, A. Bell, W. Bell, B. Bell, P. Bell, C. Bell

Update: November 1, 2000

| | | | | | | |
|----|---|--------------------|-------------------|--|------------------------|---|
| 12 | Public-Use and not subject with legal writing | September 24, 2000 | October 17, 2000 | | T. Baskin E. Baskin | Search in abstract with title data and keywords Date used in T. Baskin on 10/17 |
| 13 | Public-Use and not subject with legal writing | October 1, 2000 | TBD | | J. Postupalski | |
| 14 | Clear release for DOE | October 14, 2000 | October 21, 2000 | | B. Bell | Working on 2017 in Ford on clearing re-design of reactor DOE to be completed with paper and presentation Federal 4 complete with new and legal concerns - see 7/14 resolution |
| 15 | AFO-S testing with legal MLR issues | November 8, 2000 | | | T. Baskin | |
| 16 | P-1 test MLR after (process was revised) | November 8, 2000 | | | | |
| 1 | Site T-10 | November 8, 2000 | November 14, 2000 | | R. Ford | Working on 2017 in Ford on clearing re-design of reactor DOE to be completed with paper and presentation Federal 4 complete with new and legal concerns - see 7/14 resolution |
| 2 | LACR-618 Service Update Meeting | November 8, 2000 | | | T. Baskin | File on MLR, just finished on updates to LACR-618 Service Update on 10/17/00 |

ENR4-023 4017



2004-0223 4/04/05

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Thursday, January 08, 2004 2:51 PM
To: Peshkopia, Stacy; Goodchild, Tim (T.O.); Reeves, Scott (S.C.); Ford, Randy (R.); Celaya, Isabel (I.)
Subject: Updated Issues List



Issues Lists (71
KB)

Attached is the updated C170 side door latch open issues list.

Best Regards

Brose North America, Inc.
LKS - Closure Systems

Brandon Goll

2630 Superior Court
Auburn Hills, MI 48326
USA
Phone: +1 (248) 754 1825
Fax: +1 (248) 364 2306
Mobile: +1 (734) 693 4542
Email: Brandon.Goll@brose.net

From: Goll, Brandon [Brandon.Goll@brose.net]
Sent: Wednesday, November 05, 2003 3:12 PM
To: Reeves, Scott (S.C.); tgoodchi@ford.com; rford17@ford.com; Peshkopia, Stacy



Issues List.xls (325
KB)

Here is the updated open issues list for tomorrow's 8:00 teleconference.

Best Regards

Brose North America, Inc.
LK5 - Closure Systems

Brandon Goll

2630 Superior Court
Auburn Hills, MI 48326
USA
Phone: +1 (248) 754 1825
Fax: +1 (248) 364 2306
Mobile: +1 (734) 693 4542
Email: Brandon.Goll@brose.net



Time: 8:30 - 8:45 a.m. Tuesdays and Thursdays

Location: Large Conference Room and Telecon/Meeting

Call-In: 1-800-877-3348

Reference: 15008428

Distribution: D. Galt, S. Samalins, C. Ruchel, T. Goodblatt, R. Ford, S. Reeves, A. White, W. Veltz, R. Paskopis, P. Amitye, C. Casanova

Updated: November 5, 2003



| | | | | | | | |
|---|---|---|--------------------|-----|--|-----------|---|
| 6 | Verify critical dimensions for anti-poll validation of Luvonni system | C | September 30, 2003 | TED | | D. Colman | To be completed prior to post validation testing has been completed Luvonni will be returned to HQ for 4 Post Test before being decommissioned Only one test will be conducted for 4 Post Test, other one to be at all times Book tickets will be used back for 4 Post testing |
|---|---|---|--------------------|-----|--|-----------|---|



E2004-0223 4638

Time: 8:00 - 9:30 a.m. Thursday and Thursdays

Location: Large Conference Room and Teleconferencing

Call-In: 1-800-833-3640

Reference: 1803438

Participants: S. Goff, B. Schellberg, D. Rendon, T. Gotschall, R. Ford, S. Kolesar, A. White, W. Vohs, B. Passaglia, P. Ahalya, C. Conner

Updated: November 5, 2003

| Item # | Description | Current Date | Original Date | Priority | Responsible | Comments/Status |
|--------|---|--------------------|------------------|------------------|---------------|---|
| 10 | Verify critical dimensions for seal panel without DR production parts | October 7, 2003 | October 14, 2003 | November 3, 2003 | B. Schellberg | Quality will be provided for surface roughness, surface hardness, core hardness, and surface coating. Please update to provide completed tasks. Complete dimensions data to be summarized. |
| 12 | 4 Post Test | October 13, 2003 | TBD | | T. Goodchild | 4 Post testing to be completed with highest required strength. Lubricant testing will start after launch PWD issue is resolved (item 11). Head confirmation # 1 or 2 (which will be issued). BOTH inches from launch to be tested. Launch schedule to be in PDR on 11th. |
| 13 | Final technical test report for post-launch testing with MPQ inputs | October 14, 2003 | October 28, 2003 | November 5, 2003 | C. Conner | Expenses will be provided throughout testing. Lower seal test report will be completed first. Test report to be provided to Brass MA on 10/28. Translated MA report to be provided. |
| 4 | Changes for extra ground completed with part number 011643701 | September 30, 2003 | October 2, 2003 | | G. Passaglia | Crash MA is a no-cost change. Ford EU and MAQdr report also complete. Concerns. Brass with quantity can not be updated with Ford EU has approved change. Parts list in Concern needs to be provided. All drawings submitted. |

ENR-823 4849

Time: 8:30 - 8:50 a.m. Tuesdays and Thursdays

Location: Large Conference Room and Teleconference

Call No: 1-800-887-0843

Passcode: 12829488

Participants: B. Goll, B. Schneider, D. Rindler, T. Gombakis, R. Ford, S. Rasmus, A. Voth, W. Voth, S. Fathigola, P. Amaty, C. Conway

Updated: November 2, 2003

| Item | Description | Start Date | End Date | Responsible Party | Status | Comments |
|------|--|--------------------|------------------|-------------------|--------------------------|--|
| 4 | Magnet testing with full PV testing | September 26, 2003 | October 6, 2003 | STEPHAN RINDLER | B. Schneider | Timing to be reviewed in detail in 10/1/03 Brose working on updated timing in H8 March 2004 SOP |
| 8 | Update Lubrication Application with new grease amount | September 26, 2003 | October 7, 2003 | October 28, 2003 | A. Voth | |
| 10 | Define test test for torque with Magnet coating | September 24, 2003 | October 17, 2003 | | T. Gombakis D. Chasen | Issue in defining test with BSR and standard Data sent to T. Gombakis on 10/27 |
| 10 | Define service job plan for assembly with entry grease | October 3, 2003 | TBD | | S. Fathigola | |
| 10 | Order release and DOE | October 14, 2003 | October 21, 2003 | STEPHAN RINDLER | B. Goll | Making an 10/17 of POE to discuss re-design of module DOE to be completed with alternate geometries Tried 4 samples with same test locations - avg 2N reduction Time to be completed on 11/14 |
| 17 | APG-E testing with Magnet film testing | November 2, 2003 | STEPHAN RINDLER | T. Gombakis | | Need update of when BSR can be pulled up for test plan photos |

EMG-023 4941

Team: BRG - BRG Sales, Tuesdays and Thursdays

Location: Large Customer Sales and Telepresence

Call-by: 1-800-367-0648

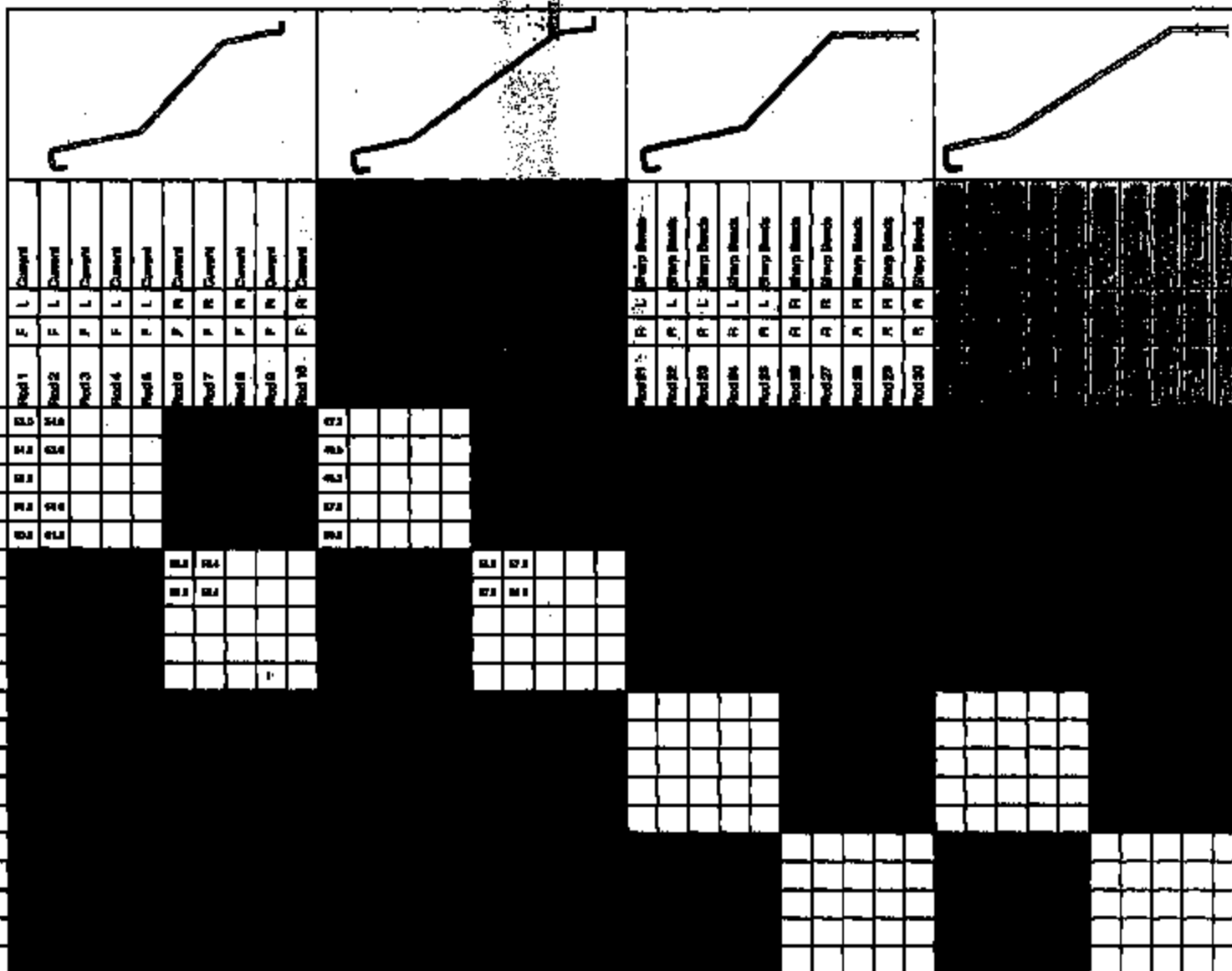
Personnel: T266480

Responsible: R. Ode, S. Schmitt, G. Ruedel, T. Gotschall, R. Fort, S. Reyer, A. WMA, W. Metz, S. Philipp, P. Altmeyer, C. Conrad

Updated: November 9, 2003

| ID | Project Description | Start Date | Original Duration | On Track | Responsible | Current Status | Comments / Next Steps |
|----|---|------------------|----------------------|----------|--------------|----------------|--|
| 1A | PI trial RLT after parameter spot queries | November 3, 2003 | TBD | | B. Goll | | 4 more vehicles with PI RLT planned to be tested. BRG to provide alert and end status of test. Logging will be evaluated every 1000 cycles near 3000 cycle mark. |
| 1B | Legal BRG addend monthly meeting | November 6, 2003 | November 7, 2003 | | B. Goll | | Completed BRG addend to be sent out on 1/7 |
| 2D | 6-Minute order release effort selection | November 5, 2003 | 11/05 to 11/05 | | B. Goll | | Add 6-minute order release effort selection workshop to MIGHT workshop |
| 1 | Log TRM | November 3, 2003 | 11/03/03 to 11/03/03 | | R. Fort | | Added the trial in the timeline (50 PM) with date and deleted BRG as possible space for the trial parts for 1/1/04 IPD |
| 2 | Launch part number update strategy | November 3, 2003 | | | T. Gotschall | | How will trial part numbers be updated to keep current, useful for service? |

E084-023 4942



| | | | | | | | | | | | | | | | | | | | | |
|----------|---|---|------|------|------|------|------|--|--|--|------|------|--|--|--|--|--|--|--|--|
| Latch 1 | F | L | 36.3 | 33.0 | 34.0 | | | | | | | | | | | | | | | |
| Latch 2 | F | L | 33.3 | 34.3 | 33.4 | | | | | | | | | | | | | | | |
| Latch 3 | F | L | 34.4 | 33.3 | | | | | | | | | | | | | | | | |
| Latch 4 | F | L | 33.4 | 34.3 | 31.0 | | | | | | | | | | | | | | | |
| Latch 5 | F | L | 34.3 | 33.3 | 31.3 | | | | | | | | | | | | | | | |
| Latch 6 | F | R | 34.4 | | | 34.3 | 34.4 | | | | 34.3 | 37.3 | | | | | | | | |
| Latch 7 | F | R | 34.2 | | | 34.3 | 34.4 | | | | 37.3 | 34.3 | | | | | | | | |
| Latch 8 | F | R | | | | | | | | | | | | | | | | | | |
| Latch 9 | F | R | | | | | | | | | | | | | | | | | | |
| Latch 10 | F | R | | | | | | | | | | | | | | | | | | |
| Latch 11 | R | L | | | | | | | | | | | | | | | | | | |
| Latch 12 | R | L | | | | | | | | | | | | | | | | | | |
| Latch 13 | R | L | | | | | | | | | | | | | | | | | | |
| Latch 14 | R | L | | | | | | | | | | | | | | | | | | |
| Latch 15 | R | L | | | | | | | | | | | | | | | | | | |
| Latch 16 | R | R | | | | | | | | | | | | | | | | | | |
| Latch 17 | R | R | | | | | | | | | | | | | | | | | | |
| Latch 18 | R | R | | | | | | | | | | | | | | | | | | |
| Latch 19 | R | R | | | | | | | | | | | | | | | | | | |
| Latch 20 | R | R | | | | | | | | | | | | | | | | | | |

E004-823 4843

From: Schwitters, Stefan [Stefan.Schwitters@brose.net]
Sent: Friday, September 19, 2003 12:22 PM
To: Fredal, Joseph (J.G.)
Cc: Goodchild, Tim (T.O.); Reeves, Scott (S.C.); Ford, Randy (R.); Didley, Diona
Subject: C170 NA Side door latch "High opening efforts"



C170 NA S/D latch Team.xls (19 KB)
field claim ...

Joe,

Please take some time and review the attached information. You find an overview about the teams, working on that issue and the board, we reporting to (PDQOR). Action control at Ford is with Tim Goodchild (Hardware Engineering), on Brose side it's with me.

We are reporting once a week on Wednesday to PDQOR, headed by Nancy Gioia, and have conference calls with the Problem Solution Team members every Tuesday and Thursday. This is completed by one or two meetings at Ford Dearborn Engineering (working status, task follow-up's, decision making) and Deep Dives with Car Line Director Nancy Gioia. In addition to this we did and are still doing mutual test drives at MPG together with Ford Scott Reeves or Ford Alex Williams several times a week. Because we are fitting the test cars and doing the result study in our facility in Auburn Hills, we meet with Ford Engineering on or two times a week in our plant.

Ford Wayne is represented in all of this meetings by Randy Ford.

Our headquarter in Wuppertal/Germany is doing chamber tests in parallel. They have sent over a quality manager - Stefan Sandkuehler - who controls Wuppertal activities and communication with Brose NA. These chamber tests, that will complete the drive test studies on MPG, will be finished today, and we are going to forward our containment proposal on Monday (latest) to Ford.

Best Regards

Brose North America, Inc.
Closure Systems
Customer Team Director

Stefan Schwitters

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| Vin | FRT\DRV | RR\DRV | FRT\PASS | RR\PASS | Notes |
|--------|---------|--------|----------|---------|-------------------|
| 4991 | 63.5 | 56.0 | 50.0 | 51.5 | |
| | | 55.5 | 51.5 | 48.0 | MIA |
| 4732 | 65.0 | 65.0 | 55.5 | 55.0 | |
| | | | | | 1FAPP34323W |
| 5912 | 62.5 | 61.5 | 54.5 | 48.0 | |
| 5969 | | 62.0 | 54.5 | 47.0 | |
| 5987 | 53.5 | 57.5 | 56.0 | 51.0 | |
| 5917 | 63.5 | 56.5 | 61.0 | 51.5 | |
| 5982 | | 60.0 | 52.0 | 50.5 | |
| 5983 | 62.0 | | 46.5 | 56.0 | |
| 5400 | 59.5 | 60.0 | 62.5 | 61.5 | |
| 5400 | 56.0 | 56.0 | 57.0 | 53.0 | |
| 5400 | 56.5 | 55.5 | | | |
| 5948 | 60.0 | 51.5 | 58.0 | 54.5 | |
| 5971 | 64.0 | 62.5 | 60.5 | 63.5 | |
| 5296 | 64.5 | 64.5 | 65.5 | 61.0 | |
| 5923 | 63.5 | 52.0 | 64.5 | 58.5 | |
| 5307 | 64.5 | 53.5 | 61.5 | 62.0 | |
| 5345 | | 64.0 | 63.0 | 54.0 | |
| 5911 | 58.5 | 58.0 | 54.5 | 64.0 | |
| | | | 57.0 | 64.0 | 1FAHP3631W |
| | 64.5 | 55.5 | 64.0 | | 1FAFP34393V |
| 3486 | | 54.5 | | 66.5 | |
| 5901 | 62.0 | 58.5 | | 62.0 | |
| 5905 | 58.5 | 60.5 | 59.0 | | |
| 5996 | 59.0 | 59.0 | 67.0 | 64.5 | |
| 5903 | 61.0 | | | 65.5 | |
| | | | | | ar passenger Door |
| 4637 | 59.0 | 58.5 | 58.5 | 63.5 | |
| 6038 | | | | 63.0 | |
| | | 64.5 | | | 1FAFP34313 |
| | | | | | // |
| 6032.0 | 26.0 | 20 | 26.0 | 21 | |
| 6041.0 | 20.5 | 21 | 22.0 | 21.5 | |
| 6017.0 | 23.0 | 21.5 | 27.0 | 22 | |
| 5993.0 | 22.0 | 20.5 | 22.0 | 20.5 | |
| 6052.0 | 22.0 | 22 | 16.0 | 22 | |