

**RQ04-011**  
**FORD**  
**APRIL 26, 2005**  
**REQUEST 8**  
**PART 3 OF 4**  
**BOOKS 30 OF 43**

TRW SEAT BELT BUCKLE

TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

Item	Lead	Contact	Assignments	Start	End
2. Can TRW Europe engineering help US to resolve? Conduct a Frank Eyes Review.	Lorraine Morphis Charlie Sedlitz	LMORPH@TRW023-7876 CHARLIE.SEDLITZ@TRW.COM	European Trip Review complete. Receipt of trip report required.	6/25	TBD
4. Data Acquisition - Verify effectiveness of corrective actions for the 3 sub contacts. Before/After data required. When will parts be completely acceptable?	Chris Kalan	CKALAN@990-5133	-Next status of Before/After verification data, on 6/21 -Circle Kefauver to schedule meeting with Marty, Lorraine, Julie, Jim McGowan and Bob Ellis. Need to generate work plan. -Plan to start with 1-4B data supplied, and see what's missing. -WFI for trial to 4B and 4C.	6/21	TBD
5. TRW to Conduct DVA of Buckle	Ed Polcor	EDPOLCOR@TRW.COM	-TRW to conduct DVA. -Ed to contact Julie on 6/22 with data review date anticipated.	TBD	TBD
6. 30 Piece Lay out of Buckle Us and European Components	Lorraine Morphis TRW - T340	LMORPH@TRW023-7876	-Lead part and tool part by cost required. -Plan to discuss details at meeting called by Chris	TBD	TBD
7. Follow-up of Quality Actions Taken	Marty Vouklar Bill Lee	MVOKLER@990-5141 BLEE@98-4393 JIM.MCGOWAN@TRW.COM	Need to ensure processes and controls are being followed and adjusted to at TRW Reynolds plant.	7/1	TBD
9. LFD Paper	John Zychowicz	JZYCHOW@023-4096	Tech Review scheduled for 6/21.	6/21	On-Going
-Financials	Bob HMDing	BHLPOHDS@TRW.COM KHLDNQ@023-9264	Tech Review scheduled for 6/21	6/21	On-Going
-Quality Data	Devender Sidhu Rita Amicucci	DSIDHU@023-9252 RAMDEK@023-9436	Sorting required by early plant used by State or Region, to which chosen were made. Also requested TOW data and NETSA YOQ data. Waiting for volumes to start, to normalize data.	TBD	TBD
10. Buckle Inspection Procedure	Alb Phillip Ed Schlags Renee Pichler	APHELIP@994-1134 EDSCHLAGS@TRW.COM RPACHER@246-7610	-New tool and procedure reviewed and sign-off on 6/21. -Key Life Testing up and running. Report out 6/23.	6/21 6/23	TBD
11. Buckle Tool - Beta Error	Alb Phillip Ed Schlags	APHELIP@994-1134 EDSCHLAGS@TRW.COM	-TRW reviewed tool and gauge with Ford V.O. on 5/29. -Improved tool, with less beta error, required. -Need to determine effect of temperature on Beta error.	6/21	TBD
12. New Tools required for APG, MPG, DPO, etc., for Pre-Production vehicles.	Alb Phillip Ed Schlags	APHELIP@994-1134 EDSCHLAGS@TRW.COM	-Tools and procedures need to be shipped to APG, MPG and DPO. 1 tool per site. -James Schmidt is contact at MPG, X-28661. Eric Karcha is contact at APG, 8-1-753-2161. -Need to broadcast procedure details, e.g. insert quickly and firmly, etc.	6/20	6/21
13. Other Vehicles Affected -Capture Pre-Production Parts and Units, e.g. crash, durability	Bill Engen	WEAGAN@994-3614	-Bill contacted PVT Managers. -Need to broadcast procedure details, e.g. insert quickly and firmly, etc.	6/18	6/18
14. WERS Coordination	Mike Andrew Rita Sedlitz	MANDRUS@023-1187 RSULLIV@023-1168 DAVE.HINNESSEY@TRW.COM	-Will coordinate remaining for all buckles affected. -Engineers per carline identified. -Concepts words for all CE's, have been reviewed and approved. -Plan Sullivan to report out next week. -Dan Nelson offering help for coordination.	6/25	7/1
15. Statistical Analysis of Parts Returned from Ford Plants and	Gregory Riphie	GRUCREY@246-8599	Chart supplied on 6/18. Coord to summary on 6/18.	6/25	TBD

RQ04-011 10019

TRW SEAT BELT BUCKLE

TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

Task Description	Task Manager	Task Status	Task Start Date	Task End Date	Task Completion Date
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
1. STA to schedule FAS review	Ed Lee	BLUES-000-1103		Completed as part of Provent Active Closure procedure.	6/23 180

RQ04-011 10820

## TRW SEAT BELT BUCKLE

### TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

NO.	DESCRIPTION	CONTACT	PHONE NUMBER	STATUS	START DATE	COMPLETION DATE
1.	Production/Service Policy - Policy required to support repairs. Support from TRW U.S. and TRW Europe.  What prevents us from using European parts? Can TRW Europe engineering, help US to resolve? Frank Pyle	Norm Carter - PCSD Derek Mitchell - Purchasing  Lorraine Morpino	NCARVEN/265-9916 EMITCN23/845-0734 TRW??  LMORPHEW/322-7876 TRW??	Will supply part availability information for 100% replacement and 100% replacement.  <b>REQUIRE TOOL MODIFICATION</b>	6/18	6/18
2.	Data Acquisition - Verify effectiveness of corrective actions for the 3 root causes. Before/After data required. When will parts be completely acceptable?	Carole Adams WWWW	CKALINA/996-3158 TRW??	Will report out weekly - Need independent source to conduct DVA and layout of European vs US design. Comparison is an outside vendor in U.S. that can be used.	6/18	TR1
3.	149 Paper  -Repeatability  -Quality Data	John Zyzanski  Bob Hilding  Devinder Kalia Rita Anderson	JYZANSKI/323-8096 B.HILDING@TRW.COM RHILDING/323-9164  DKALIA/323-8203 RANDERS/323-9436	Reported 6/14. Next report is 6/15.  Reported 6/14. Need updated repair sites.  Spring required by sury plant and by Sisk or Region, in which claims occur most. Also requested TRW data and NHTSA VOO data.	6/18	On-Going
4.	Buckle Inspection Procedures NHTSA 812 816 NDS BUREAU	Ala Pelti	APHELI/594-3134 TRW??	-Performed audits of NHTSA 812 816 -Rpt of NHTSA 812 816	6/18	TBD
5.	WERS Coordination	Mike Adair Rita Salazar	MAADAIR/523-1187 RSALAZAR/323-1160 TRW??	-Will coordinate releases for all trucks affected. -Need engineer from each CSO to participate. -Supervisors to identify which engineers.	6/18	7/2
6.	Follow-up of Quality Actions Taken	Marty VonDer Bill Lee	MVONDER/340-3141 BLEE/390-3393 TRW?? JIM MCGOWAN?	Need to ensure processes and controls are being followed and adhered to at TRW European plant	7/13	TBD
8.	Statistical Analysis of Parts Returned from Post Plants and Seat Suppliers	Geoffie Rieble Jim McGowan	GRICHIE/488 JIM.MCGOWAN@TRW.COM	Charts supplied on 6/18. Geoffie to review on 6/18.	6/18	TBD
11.	Previous 8-DIGIT from TRW for Computer Post review 6/10/03 2.6	Lorraine Morpino	LMORPHEW/322-7876 TRW??			TBD
12.	8-DIGIT to schedule FMEA review 6/10/03 2.6	Bill Lee	BLEE/390-3393		6/18	TBD

(PROCESS/DESIGN DIFF (JIM CARENE)  
 BETWEEN US & EUROPE → LESSONS LEARNED  
 \*TRIP REPORT ED FELCAR 1 WEEK

REVIEW  
UPDATED PROCEDURE  
TEST  
30-OLD  
30-NEW

STEVE MARKINS  
ABE PHILP

TRW SEAT head T BUCKLE

TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

DESCRIPTION	PERSONS	PHONE NUMBER	STATUS	START DATE	END DATE
1. Production Service Parts - Parts required to support repairs. Support from TRW U.S. and TRW Europe.  What prevents us from using European parts? Can TRW Europe engineering help US to react? Peak Eyes!	Norm Carver - PCSB Derrick Mitchell - Purchasing  Lorraine Morshaw	NCAEV 82216-9116 DMITC H22445-0734  LMORPHEW/322-7876	Will supply part availability information for 10% replacement and 100% replacement.	6/18	TBD
2. Process Overview - Best Practices - Legal Implications - Communications - Dealer Letters	Elag Oczalk Ray Nacawec	GOSWALD/398-1180 ENACEWIC/323-1657	Lorraine to contact TRW Europe. Meeting Scheduled for 6/13, 2:00pm.	6/18 N/A	TBD 6/15
3. Data Acquisition - Verify effectiveness of corrective actions for the 5 most causes. Failure/Air data required. When will parts be completely acceptable?	Corie Kalina	EKALINA/380-8134	-Will report and verify -Need independent Source to conduct DVA and part layout of European vs US design. Cooperation is an outside supplier in Lorraine that can be used.	6/18	TBD
4. History of Lessons Learned - TRW intro of top mounted release buckle	Michelle Ozzie	MOUZZO/244-6441	-Reviewed history with small group on 6/14. Need White paper for details. -Submitted a list of items to Corie, to verify effectiveness of corrective actions.		6/14
5. 14D Paper -Financials -Quality Data	John Zychewski Bob Hildig Deviner Sillis Rita Anderson	JZYCHOW/323-8086 RHILDING/323-9264 DSILLIS/322-4253 RANDER/302-3-9436	Reported 6/14. Next report in 6/15  Reported 6/14. Need updated repair rates.  Survey required by any plant and by 50ms or Region, in which claims were made. Also requested TGW data and MTRSA, VDO data.	6/18 6/18 6/18	On-Going On-Going TBD
6. Buckle Inspection Procedure	Abe Philip	APHELIP/314-1134	-Performed audits at NADPC. <i>John: Top 3</i> -Reviewed by Boundary release. <i>W/complete</i> revised Buckle reflecting 3 items	6/18	TBD
7. WEBS Coordinator	Mike Arnold Rita Sullivan	MARNOLD/323-1181 RSULLIV/253-1160	-Will coordinate releases for all buckles affected. -Need engineer from each CBG to participate. -Supervisors to identify which supplier.	6/18	<i>7/8</i>
8. Follow-up of Quality Actions Taken	Mary Veecker Bill Lee	MVEECKER/398-3141 BLLEE/390-5181	Need to ensure processes and controls are being followed and referred to at TRW Keyport plant.	7/15	TBD
9. Statistical Analysis of Parts Returned from Ford Plants and Seat Suppliers (1) Other Vehicle Analysis -Capture Pre-Production Parts and Costs, e.g. crash, durability	Gordon Roblin	GROBLIN/241-8898		6/18	TBD
10. Other Vehicle Analysis -Capture Pre-Production Parts and Costs, e.g. crash, durability	Bill Egan	WEAGAN/394-3814	Bill to contact PVT Manager and Platform CPBT.	6/18	TBD
11. Another issue identified by a supplier???					
12. <i>How many 2-D and 3-D models?</i>					
13. <i>Showing CAPS data?</i>					

*What about Delete List from each plant?  
Tom Maxwell assignment for 6/18*

RD04-011 10082

## TRW SEAT BELT BUCKLE

### TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

ASSIGNMENTS	RESPONSIBLE	PHONE AND MAIL	STATUS	CLASS
1. Production/Service Parts - Parts required to support repairs Support from TRW US, and TRW Europe.  What prevents us from using European parts? Can TRW Europe engineering help US to resolve? Frank Ryan	Mimi Cauer - PCRD Derrick Mitchell - Purchasing  Lorraine Marjano	RCARVER/554-4914 DMITCHE2/915-8734  LMAORPHEW03-7876	Have not agreed to accept  Lorraine to contact TRW Europe.	TBD  TBD
2. Process Overview - Root Problems - Legal Implications - Communications - Dealer Letters	Greg Orent Roy Macosky	GRSWAL/298-1188 RMAACEW0323-1607	Will schedule an org to explain actual production	TBD
3. Data Acquisition - Verify effectiveness of corrective action for the 5 most critical. Before/After data required. When will parts be completely acceptable?	Curtis Kahan	CKALINA/998-5281	Will report out weekly  Need VSA curves	TBD
4. History of Lessons Learned - TRW info of any successful release inside	Michelle Garcia	MGARCIA/298-6441	-Reviewed history with small group on 6/14. Need White paper for details. -Submitted a list of items to Curtis, to verify effectiveness of corrective actions.	TBD
5. IAD Paper  -Financials  -Quality Data	John Zychowicz  Bob Fleming  Dwaine Miller	JYZCHOW/13-8696  RFLEMM/0323-8264  DSIDFM/032-8132	Reported 6/14. Next report is 6/15.  Reported 6/14. Need updated repair sheet.  Serious required by early plant and by State or Region, in which claims were made.	6/15  6/15  TBD
6. Buckle Inspection Procedures	Alb Phipp	APPHIP/594-1154	-Reviewed status in TRW/DC. -Will prepare "Go Boundary" vehicles	6/15 6/15
7. WERS Conclusion	Mike Andrus Elin Sullivan	MANDR/0323-1187 ESULLIV/0323-1183	-Will coordinate release for all facilities affected. -Need signature from each CEO to participate. Supervisors to identify which engineer.	??  6/15
8. Follow-up of Quality Action Taken	Mary Vailor Bill Lee	MVAILOR/594-1141 BLLEE/594-3393	Need to ensure processes and controls are being followed and referred to at TRW Region plant.	TBD
9. Statistical Analysis of Returned Parts	Tom Howard	THANWHL/594-6913		
10. Other Vehicles Affected - Capable Pre-Production Parts and Units, e.g. crash, durability	SUPERVISORS??			
11. Another issue identified by a manager???				

---

**From:** Castleberry, Brett (B.A.)  
**Sent:** Tuesday, June 26, 2001 8:48 AM  
**To:** Philip, Abraham (A.G.)  
**Subject:** TRW seat belt tech instructions

Abg,

Here is the current version of the tech instruction for the TRW seat belt program.

  
9th Draft.pdf (67  
KB)

***Brett A. Castleberry***

Recall & Service Programs Analyst  
Ford Motor Company-FCSD  
Recall and Service Programs  
Diagnostic Service Center II  
[bcastleb@ford.com](mailto:bcastleb@ford.com) - [abg@ford.com](mailto:abg@ford.com)  
313-32-72888 Fax: 313-64-61024  
Pager - 313-758-8788 Text - [abg@ford.com](mailto:abg@ford.com)



**SEAT BELT BUCKLE INSPECTION AND/OR REPLACEMENT PROCEDURE**

**AFFECTED VEHICLES:** CERTAIN 2001 MODEL YEAR CROWN VICTORIA, EXCURSION, EXPEDITION, F-150, F-250 THROUGH 550, GRAND MARQUIS, NAVIGATOR, RANGER, TOWN CAR AND WINDSTAR

**OVERVIEW**

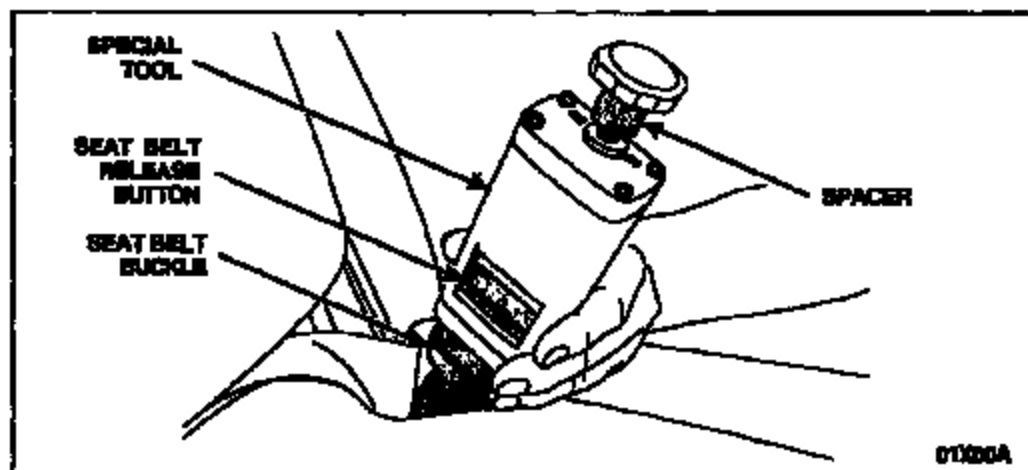
Less than 2% of the affected vehicles are expected to need seat belt buckle replacement. This document contains the necessary information for inspecting and, if necessary, replacing the driver and/or passenger seat belt buckle assembly(s) on the affected vehicles. Center seat belt buckles are not affected. A special tool has been developed to identify faulty buckles and make sure the inspection of the buckle mechanism is consistent each time it is performed. Although the special tool has been developed to identify 100% of the potentially faulty buckles, it can identify good buckles as faulty. This is an acceptable issue. If the tool identifies any buckle as faulty, it must be replaced. This document also contains amendments to the Workshop Manual sections related to buckle replacement. Be sure to read this document before attempting to replace the seat belt buckles.

**INSPECTION**

**⚠ WARNING: CYCLE THE GAUGE COMPLETELY FOR EACH TEST. FAILURE TO FULLY CYCLE THE GAUGE BY LEAVING IT IN THE FULLY EXTENDED POSITION (ROTATED CLOCKWISE TO THE STOP) AND MANUALLY INSERTING THE TOOL INTO THE BUCKLE CAN RESULT IN ACCEPTING BAD BUCKLES AS GOOD BUCKLES. FOLLOW THESE INSTRUCTIONS TO PREVENT ACCEPTING ANY BAD BUCKLES AS GOOD.**

1. **NOTE:** Make sure that the knob on the special tool is fully extended (unscrewed) before installing it on the buckle.

**⚠** Press and release the red seat belt release button located on the driver side seat belt buckle. Then, install the special tool onto the driver side seat belt buckle and hold it in place. See Figure 1.

**FIGURE 1**

*Ford Motor Company*

CP1 © 2001 FORD MOTOR COMPANY  
DEARBORN, MICHIGAN 48121  
08/01

2. **WARNING: MAKE SURE YOU TURN THE KNOB ON THE SPECIAL TOOL SLOWLY IN THIS STEP. FAILURE TO DO SO MAY RESULT IN A FAULTY BUCKLE PASSING INSPECTION.**

**NOTE:** When the gauge tongue is near the end of its travel, the buckle is likely to make a "click" sound. Do not stop turning the knob at this point. Disregard the click and continue to turn the knob until it bottoms out.



While holding the special tool in place, turn the knob on the special tool until it bottoms out. If resistance is felt while turning the knob on the special tool, it may require lubrication. Lubricate the threads on the knob shaft with Lubriplate® (130-AA) white grease or similar white lithium grease. See Figure 2.

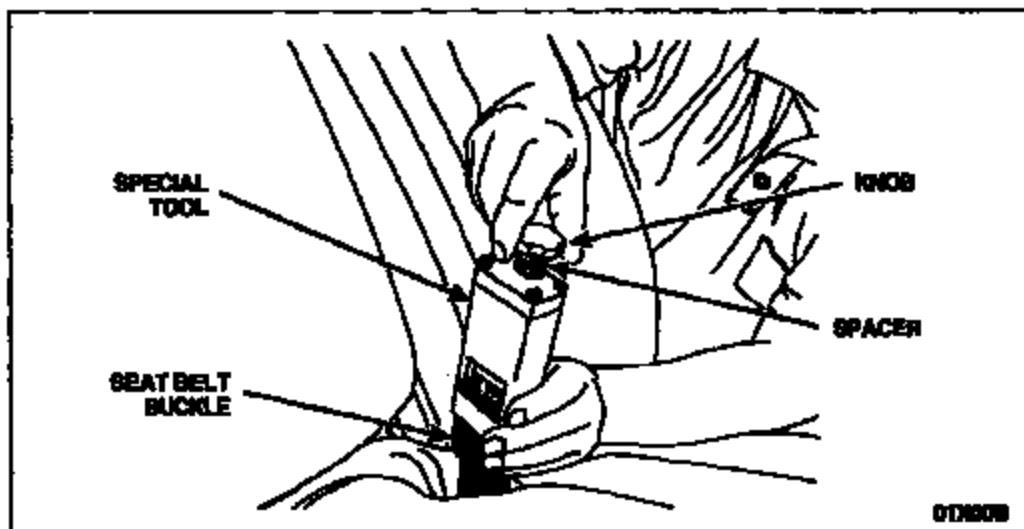


FIGURE 2

3. Pull on the body of the special tool in an attempt to remove it from the belt buckle. Do this without pressing the red seat belt release button.
- If the special tool does not lock into place in the belt buckle, but instead disengages from the belt buckle, the belt buckle must be replaced. Refer to the Service Procedure section of this document for instruction.
  - If the special tool does lock into place in the belt buckle, the belt buckle does not need to be replaced.
4. Remove the special tool from the seat belt buckle and unscrew the knob completely. If the special tool is retained by the buckle, press the seat belt release button to release it. Repeat Steps 1-3 on the passenger side seat belt buckle.

*Ford Motor Company*  
 © 2001 FORD MOTOR COMPANY  
 DEARBORN, MI 48124-0001  
 05/01

**SERVICE PROCEDURE**

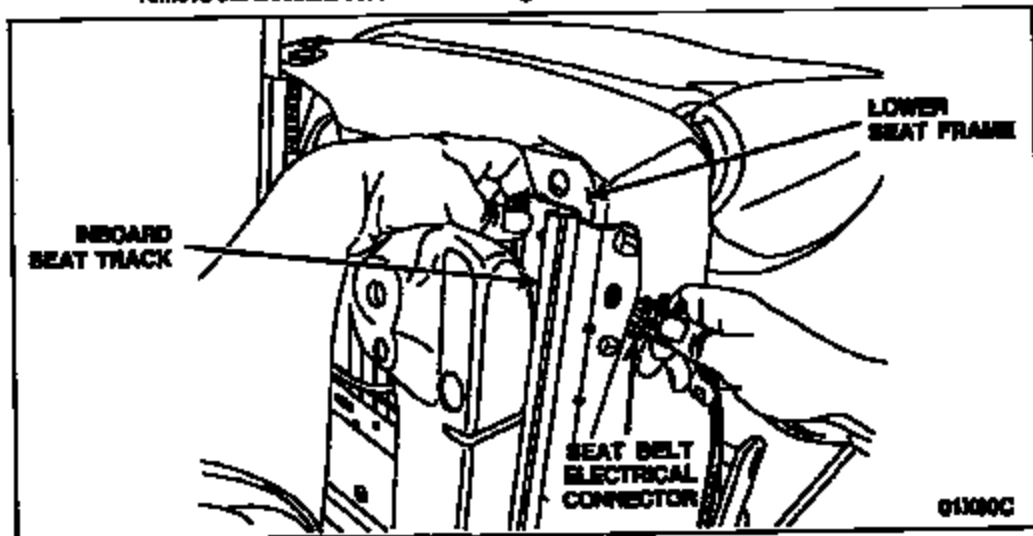
NOTE: All Workshop Manual references in this document are to the June 2001 CD version.

**CROWN VICTORIA, GRAND MARQUE AND TOWN CAR**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 601-20A of the Crown Victoria, Grand Marquis and Town Car Workshop Manual.

**EXCURSION AND F-250 THROUGH 550**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 601-20A of the Excursion and F-250 through 550 Workshop Manual, with the following exceptions for manual 60/40 split bench and manual captain's chair:
  - A. On vehicles equipped with captain's chairs, the driver seat must be removed from the vehicle. Refer to the service procedures in Section 601-10 of the Excursion and F-Series Super Duty Workshop Manual.
  - B. The following steps must be performed to remove the driver seat belt buckle from the seat on captain's chairs and 40 percent seats of the 60/40 split bench seats.
    - Remove the rear mounting bolt from the inboard seat track.
    - Remove the buckle retaining nut.
    - Position the rear of the inboard seat track away from the seat frame for clearance to remove the electrical connector. See Figure 3.

**FIGURE 3**

- Remove the buckle and route the electrical connector through the side of the lower seat frame.
- For installation, reverse the steps above. Tighten the seat track bolt to 25 Nm (19 lb-ft) and the belt buckle nut to 40 Nm (30 lb-ft).

*Ford Motor Company*

CPM © 2001 FORD MOTOR COMPANY  
DEARBORN, MICHIGAN 48121  
0201

**EXPEDITION AND NAVIGATOR**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 601-20A of the Expedition and Navigator Workshop Manual.

**F-150**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 601-20A of the F-150 Workshop Manual, with the following exceptions:
  - For vehicles with 60/40 split bench seats equipped with Seat Integrated Restraint (SIR) systems: during seat belt buckle removal, the 60 percent seat cushion does not have to be removed to access the seat belt buckle bolt.
  - For vehicles equipped with SIR: during seat removal, position the seat forward to access the fifth foot trim cover fastener.

**RANGER**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 601-20A of the Ranger Workshop Manual, with the following exceptions:
  - Remove both center seat belt bolts and leave the belts attached to the seat during removal.
  - During seat installation, it is not necessary to route the center seat belts through the locating strap since they are still attached to the seat. Tighten both bolts to 40 Nm (30 lb-ft).

**WINDSTAR**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 601-20A of the Windstar Workshop Manual.

*Ford Motor Company*© 2001 FORD MOTOR COMPANY  
DEARBORN, MICHIGAN 48121  
0601

Ford Airlines

Brown	87%
Jeffers	100%
Stralio	100%
Marin	100%
Randolph	87%
Driscoll	100%
Yield	87%
Taylor	87%
Monroe	100%
Hask	100%
Brown L.	100%
Bulcher	87%
Burden	100%
Elliot	87%
Spencer	87%
R. Bell	87%
D. Dajon	100%
Julie	100%
Holt	100%
Stevens	87%
Moell	100%
Pary	100%
Wickell	100%
Bausperfer	100%
Carver	87%
Gibson	100%
Kelsey	87%
McKee	100%
Moore	100%
Sink	100%
Wine	87%
Waller	100%
Lynn	100%
Trout	87%

KCAT



Law Team

H. Metz	100%
P. Mimon	100%
A. Potts	100%
D. Collins	100%
C. Johnson	100%
M. McCain	100%
McDonald	100%
Perry	87%
Edwards	100%
Wilson	87%
Hightower	100%
Kraft	100%
Sprosen	100%
Aldeharrad	100%
Martin	100%
Stinson	100%
Bisely	100%
Harley	100%

KC-  
Lear - Liberty

BU2 1888

RQ04-011 10387

Food Auditors

Brown	87%
Jaffee	100%
Stallon	100%
Smith	100%
Randolph	87%
Bilham	100%
Webb	87%
Taylor	87%
Monroe	100%
Harris	100%
Brown L.	100%
Bucher	87%
Burden	100%
Elliott	87%
Spencer	87%
F. Hall	87%
D. Collins	100%
Jones	100%
Holt	100%
Straw	87%
Harris	100%
Perry	100%
Wolcott	100%
Baumgardner	100%
Carver	87%
Gale	100%
Kelley	87%
McCall	100%
Moore	100%
Ross	100%
Yates	87%
Walker	100%
Lynn	100%
Trout	87%

Lead Team:	H. Metz	100%
	P. Mott	100%
	A. Parr	100%
	D. Collins	100%
	C. Johnson	100%
	M. McClain	100%
	McDonald	100%
	Farr	87%
	Eberhardt	100%
	Vilson	87%
	Hightower	100%
	Kell	100%
	Spencer	100%
	Abelard	100%
	Hales	100%
	Simmons	100%
	Shelby	100%
	Hartley	100%

BLZ 1987

RQ04-011 10383

TRW SEAT BELT BUCKLE

TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

ASSIGNMENTS	RESPONSIBLE	PHONE AND FAX	STATUS	NEXT DATE	CLOSE DATE
1. Report for the 5 row center - Before/After data requested. When will parts be completely acceptable?		LMORPNEW322-7876 CHARLIE STEPPENBENDER.COM	European Trip Review complete. Results of trip report to be reviewed on 10/08 with Dave and TRW.	7/5	TBD
2. TRW to Contact DVA of Buckle	Ed Pelczar	EDPEL@TRW.COM	-TRW to conduct DVA	7/22	TBD
3. 3D Face Layout of Both US and European Components	Lorraine Murphy TRW - TRW	LMORPNEW322-7876	-Good part and bad part lay-out required -Plan to discuss details at meeting called by Carme. <i>COLLECT</i> -Plan to discuss with TRW at US meeting. <i>8/17/01</i>	7/5	TBD
4. Follow-up of Quality Actions Taken	Mary Voelker Bill Lee	MVOELKER380-5147 BLEEB380-5393 JIM.MCGOWAN@TRW.COM	-Need to review processes and controls are being followed and adjusted to at TRW European plant	7/15	TBD
5. AD Paper	Julie Zychowicz	JZYCHOWW323-0099	Next Tech Review - TRW		On-Going
6. Research	Bob Hilling	BILL.HILLING@TRW.COM RHILLING323-9264	Next Tech Review - TRW	TBD	On-Going
7. Quality Data	Ron Anderson	RANDR30/323-9430	Scoring required by any plant used by State or Region. In which chairs were made. Complaints, with no temperature either apparatus. Also requested TGW data and NHTSA 100 data. Supplied by Ford Quality.	6/21	Closed
8. Buckle Inspection Procedure	Abe Philip Ed Schlaps Steve Purkin	APHILIP594-1134 EDSCHLAPS@TRW.COM SPARKING/448-7611	-New tool and procedure reviewed and sign-off on 6/21. -Key LMR Testing up and running. Report out 6/25 -Steve Purkin to contact OOC, on tool availability -NEED UPDATE	6/21 6/25	TBD
9. Buckle Tool - Beta Error	Abe Philip Ed Schlaps	APHILIP594-1134 EDSCHLAPS@TRW.COM	-TRW renewed tool and gauge with Ford VCI, on 6/20. -Improved tool, with less beta error, required. -Need to determine effect of temperature on Beta error. -TRW tested 15 ejected buckles from new, at ambient temp of 126 degrees, and found the buckles performed correctly. Put same 15 in cold temp and will report out results on 6/27 -NEED UPDATE	6/27	TBD
10. New Tools required for APG, MPG, DPG, etc., for Production vehicles.	Abe Philip Ed Schlaps	APHILIP594-1134 EDSCHLAPS@TRW.COM	-Tools and procedures used to be shipped to APG, MPG and DPG tool per site -Janice Schumde is coming at MPG, X-21660. Eric Kurba is contact at	6/20	6/25

Julie Zychowicz/jzychow  
BuckleTaskforce1.word

Date Created: 6/12/01  
Date Revised: 7/3/01

## TRV SEAT BELT BUCKLE

### TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

			APG 9-1-753-7261 -Need to broadcast procedure details e.g. report quickly and firmly, etc		
13. Driver's Studies Affected -Capture Pre-Production Parts and Units, e.g. crash durability	Bill Engle	WEAGAN@594-3611	-Bill contacted PT Managers -Need to broadcast procedure details e.g. report quickly and firmly, etc	6/18	6/18
14. WERS Coordinator	Mike Andrus Bill Sullivan	MARJORIS@223-1187 RSULLIV@3023-1160 DAVE.HENNESSEY@TRV.COM	-Will coordinate releases for all buckles affected -Engageers per carline identified -Open: words for all CR's, to be reviewed and applied -Run Sullivan to report per next week -Dan Nelson offering help for coordination -NEED UPDATE	6/25	7/2
15. Statistical Analysis of Parts Returned from Ford Plants and Seat Suppliers	Gordon Rustic	ORICHED@48-8090 JDI@KOGWAN@TRV.COM	Charts supplied on 6/18. Gordon to summarize on 6/18	6/25	TBD
16. Provide R-PLACE from TRV for Acheson Plant operations				6/18	TBD
17. STA to schedule PASS review		BLES@90-5593	1. Review of Prevent Action Closure procedure. 2. Review of Prevent Action Closure procedure. 3. Review of Prevent Action Closure procedure. 4. Review of Prevent Action Closure procedure. 5. Review of Prevent Action Closure procedure. 6. Review of Prevent Action Closure procedure. 7. Review of Prevent Action Closure procedure. 8. Review of Prevent Action Closure procedure. 9. Review of Prevent Action Closure procedure. 10. Review of Prevent Action Closure procedure. 11. Review of Prevent Action Closure procedure. 12. Review of Prevent Action Closure procedure. 13. Review of Prevent Action Closure procedure. 14. Review of Prevent Action Closure procedure. 15. Review of Prevent Action Closure procedure. 16. Review of Prevent Action Closure procedure. 17. Review of Prevent Action Closure procedure. 18. Review of Prevent Action Closure procedure. 19. Review of Prevent Action Closure procedure. 20. Review of Prevent Action Closure procedure. 21. Review of Prevent Action Closure procedure. 22. Review of Prevent Action Closure procedure. 23. Review of Prevent Action Closure procedure. 24. Review of Prevent Action Closure procedure. 25. Review of Prevent Action Closure procedure. 26. Review of Prevent Action Closure procedure. 27. Review of Prevent Action Closure procedure. 28. Review of Prevent Action Closure procedure. 29. Review of Prevent Action Closure procedure. 30. Review of Prevent Action Closure procedure. 31. Review of Prevent Action Closure procedure. 32. Review of Prevent Action Closure procedure. 33. Review of Prevent Action Closure procedure. 34. Review of Prevent Action Closure procedure. 35. Review of Prevent Action Closure procedure. 36. Review of Prevent Action Closure procedure. 37. Review of Prevent Action Closure procedure. 38. Review of Prevent Action Closure procedure. 39. Review of Prevent Action Closure procedure. 40. Review of Prevent Action Closure procedure. 41. Review of Prevent Action Closure procedure. 42. Review of Prevent Action Closure procedure. 43. Review of Prevent Action Closure procedure. 44. Review of Prevent Action Closure procedure. 45. Review of Prevent Action Closure procedure. 46. Review of Prevent Action Closure procedure. 47. Review of Prevent Action Closure procedure. 48. Review of Prevent Action Closure procedure. 49. Review of Prevent Action Closure procedure. 50. Review of Prevent Action Closure procedure. 51. Review of Prevent Action Closure procedure. 52. Review of Prevent Action Closure procedure. 53. Review of Prevent Action Closure procedure. 54. Review of Prevent Action Closure procedure. 55. Review of Prevent Action Closure procedure. 56. Review of Prevent Action Closure procedure. 57. Review of Prevent Action Closure procedure. 58. Review of Prevent Action Closure procedure. 59. Review of Prevent Action Closure procedure. 60. Review of Prevent Action Closure procedure. 61. Review of Prevent Action Closure procedure. 62. Review of Prevent Action Closure procedure. 63. Review of Prevent Action Closure procedure. 64. Review of Prevent Action Closure procedure. 65. Review of Prevent Action Closure procedure. 66. Review of Prevent Action Closure procedure. 67. Review of Prevent Action Closure procedure. 68. Review of Prevent Action Closure procedure. 69. Review of Prevent Action Closure procedure. 70. Review of Prevent Action Closure procedure. 71. Review of Prevent Action Closure procedure. 72. Review of Prevent Action Closure procedure. 73. Review of Prevent Action Closure procedure. 74. Review of Prevent Action Closure procedure. 75. Review of Prevent Action Closure procedure. 76. Review of Prevent Action Closure procedure. 77. Review of Prevent Action Closure procedure. 78. Review of Prevent Action Closure procedure. 79. Review of Prevent Action Closure procedure. 80. Review of Prevent Action Closure procedure. 81. Review of Prevent Action Closure procedure. 82. Review of Prevent Action Closure procedure. 83. Review of Prevent Action Closure procedure. 84. Review of Prevent Action Closure procedure. 85. Review of Prevent Action Closure procedure. 86. Review of Prevent Action Closure procedure. 87. Review of Prevent Action Closure procedure. 88. Review of Prevent Action Closure procedure. 89. Review of Prevent Action Closure procedure. 90. Review of Prevent Action Closure procedure. 91. Review of Prevent Action Closure procedure. 92. Review of Prevent Action Closure procedure. 93. Review of Prevent Action Closure procedure. 94. Review of Prevent Action Closure procedure. 95. Review of Prevent Action Closure procedure. 96. Review of Prevent Action Closure procedure. 97. Review of Prevent Action Closure procedure. 98. Review of Prevent Action Closure procedure. 99. Review of Prevent Action Closure procedure. 100. Review of Prevent Action Closure procedure.	6/25	TBD
18. Complete statistics on Norfolk test to see if suspension regarding different failure areas associated with weeks 10 through 16 can be separated	Charlie Steffens	Charlie.steffens@trv.com	-NEED UPDATE	6/29	
19. Get data from all vehicles equipped at Jerome Dancers to support 18 above	Ed Palmer	Ed.palmer@trv.com	-NEED UPDATE	6/29	
20. Obtain replacement parts for JD vehicle and evaluate their weight against to root cause	Ed Palmer	Ed.palmer@trv.com	-NEED UPDATE	6/29	
21. Provide an updated state line with all TRV activities of the assembly plant to support the analysis from 18, 19 and 20 above	Charlie Steffens	Charlie.steffens@trv.com	-NEED UPDATE	6/29	
22. Complete gage reliability paper to demonstrate the accuracy of the gage and document all studies	Ed Sablaga	EDSABL@48@TRV.COM	Report to include gage R&R study, documentation of JD inspection, pilot plant data and most recent P150 data	6/30	
23. Cataloging of Service Parts Required	Norm Carver John Barin	NCARVER@205-9916 JDB@16@TRV.COM 956-672-8113 X-2254			

— MPRT-ELCET 1046ECFF FOR LATCH GUIDE IN FB 73009696 B  
 PUSH BUTTON 37009695 D



STEM 4-5-6  
 3/15/04  
 -TOM MANNING  
 -MARTY V.  
 -ROB E.  
 -JULIE  
 -BILL E.

TRW SEAT BELT BUCKLE

20-25%  
 RESET  
 RATE  
 FOR  
 SAMPLE  
 SALES

TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

Task	Lead	Contact	Notes	Start	End
2. Can TRW Europe engineering help US to resolve? Conduct a Fresh Eyes Review.	Laraine Mangler Claire Griffin	L4608PHEN@322-7876 CHARLIE.GRIFFIN@TRW.COM	European Trip Review complete. Status requested	6/28	TBD
3. Data Acquisition - Verify effectiveness of corrective actions for the 3 most common. Before/After data required. When will work be completely resolvable?	Curtis Kufus FTW747 CHECK PRINT	CEALINA.390-5110	Need Status of Before/After verification data on 6/28.	6/28	TBD
4. TRW to Conduct DVA of Buckle	Ed Palmer	EDPALM@TRW.COM	TRW to conduct DVA. Results to be review of in 1 week.	6/25	TBD
5. 30 Photo Log of Both US and European Campaigns	Laraine Mangler TRW - TBD	L4608PHEN@322-7876		TBD	TBD
6. IAD Paper	Julie Zylberowitz	JZYCHOW@322-6286 BILL.FORBES@TRW.COM	Yoch Review scheduled for 6/21.	6/18	On-Going
-Financials	Bob Hasting	R.HILDING@322-6284	Yoch Review scheduled for 6/21.	6/18	On-Going
-Quality Data	Devinder Sidhu Rita Anderson	DSIDHU@322-9232 RANDRITA.123-9436	Garbing required by every plant and by State or Region, in which claims were made. Also requested TQW data and NHTSA VOQ data.	6/20	TBD
9. Buckle Inspection Procedure	Abe Philip Ed Schlapf Eugene Parkins	APHELIP@394-1134 EDSCHLAPF@TRW.COM	-Performed audits at MIPDC -Need to review and sign-off new tool and procedure -Key L&H Tools required	6/20	TBD
10. New Tools required for APG, MPD, DPG, etc., for Pre-Production vehicles.	Abe Philip Ed Schlapf	APHELIP@394-1134 EDSCHLAPF@TRW.COM	-Tools and procedures need to be shipped to APG, MPD and DPG, 1 tool per site. -James Delevette in contact at MPG, K-28661. -Eugene Parkins in contact at APG, 3-1-751-7241.	6/28	6/23
12. WEISS Coordination	Mike Andrew Mike Sullivan	MAANDRU@322-1187 KSULLIV@322-1169 DAVE.HENNESSEY@TRW.COM	-WEISS coordinate reviews for all facilities affected. -Need engineer from each CRG to participate. -Need to identify vehicle category	6/23	9/2
13. Follow-up of Quality Action Taken	Mary Voecker Bill Lee	MVVOECK@390-3441 BLLEE@390-5393 JIMMCCOY@TRW.COM	Need to ensure processes and controls are being followed and adhered to at TRW Reynosa plant	7/13	TBD
14. Statistical Analysis of Form Returned from Ford Plants and Dealers	Gordon Ritchie Jim McCoy	GCRITCH@344-8098 JIMMCCOY@TRW.COM	Charts supplied on 6/18. Gordon to monitor at 6/18.	6/18	TBD
14. STA to schedule PASS review	Bill Lee	BLLEE@390-5393		6/21	TBD

13% 27/69 POST 221 BUCKLES WERE DETERMINED AS GOOD, REMAINING TO BE RECEIVED.

RC04-011 10870

- 21/80 REJECT FROM UTMH ~ 20% RATE

- DETROIT AREA > 25%

- ~~W~~ GAUGE TNG TRIALS 07/408

- 20 5% BETTER LABOR WITH DEALER/IND DETROIT  
20% FAILURE RATE TRIALS ?

- WEEK 10-16 HAS HIGH REJECT RATE. (~80%)

- OVERUSE OF LUBRICATION ?

- KEY LIFE OF TOOL : ~ 2K CYCLES / PER 8HR SHIFT

300,000 BRL / 500 DEALERS : 600 BRL / DEALER

**SEAT BELT BUCKLE INSPECTION AND/OR REPLACEMENT PROCEDURE**

**AFFECTED VEHICLES:** CERTAIN 2001 MODEL YEAR CROWN VICTORIA,  
EXCURSION, EXPEDITION, F-150 ~~F-SUPER DUTY~~ 250-550?  
GRAND MARQUIS, NAVIGATOR, RANGER, TOWN CAR  
AND WINDSTAR

**OVERVIEW**

Less than 2% of the affected vehicles are expected to need seat belt buckle replacement. This document contains the necessary information for inspecting and, if necessary, replacing the driver and/or passenger seat belt buckle assembly(s) on the affected vehicles. Center seat belt buckles are not affected. A special tool has been developed to identify faulty buckles and make sure the inspection of the buckle mechanism is consistent each time it is performed. Although the special tool has been developed to identify 100% of the potentially faulty buckles, it can identify good buckles as faulty. This is an acceptable issue. If the tool identifies any buckle as faulty, it must be replaced. This document also contains amendments to the Workshop Manual sections relating to buckle replacement. Be sure to read this document before attempting to replace the seat belt buckles.

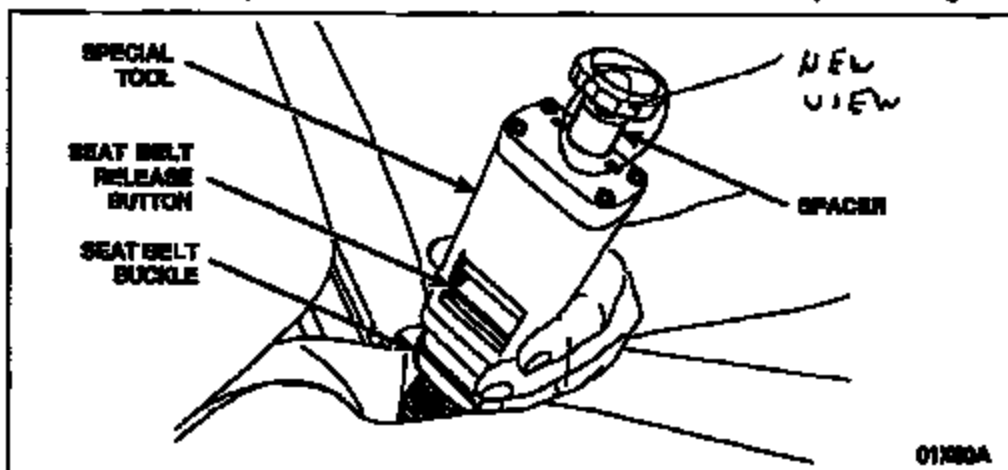
**INSPECTION**

**WARNING: FAILURE TO USE THE SPECIAL TOOL AS INSTRUCTED IN THIS INSPECTION CAN ALLOW A FAULTY BUCKLE TO PASS THE INSPECTION. MAKE SURE TO USE THE TOOL EXACTLY AS INSTRUCTED IN THE INSPECTION PROCEDURE.**

- NOTE: Make sure that the knob on the special tool is fully extended (uncrowded) before installing it on the buckle.



Press and release the red seat belt release button located on the driver side seat belt buckle. Then, install the special tool onto the driver side seat belt buckle and hold it in place. See Figure 1.

**FIGURE 1**

*Ford Motor Company*  
© 2001 FORD MOTOR COMPANY  
DEARBORN, MICHIGAN 48121  
0001

2. **WARNING: MAKE SURE YOU TURN THE KNOB ON THE SPECIAL TOOL SLOWLY IN THIS STEP. FAILURE TO DO SO MAY RESULT IN A FAULTY BUCKLE PASSING INSPECTION.**

NOTE: When the gauge tongue is near the end of its travel, the buckle is likely to make a "click" sound. Do not stop turning the knob at this point. Disregard the click and continue to turn the knob until it bottoms out.



While holding the special tool in place, turn the knob on the special tool until it bottoms out. If resistance is felt while turning the knob on the special tool, it may require lubrication. Lubricate the threads on the knob shaft with Lubri-Plate® (150-AA) white grease or similar white lithium grease. (See Figure 2)

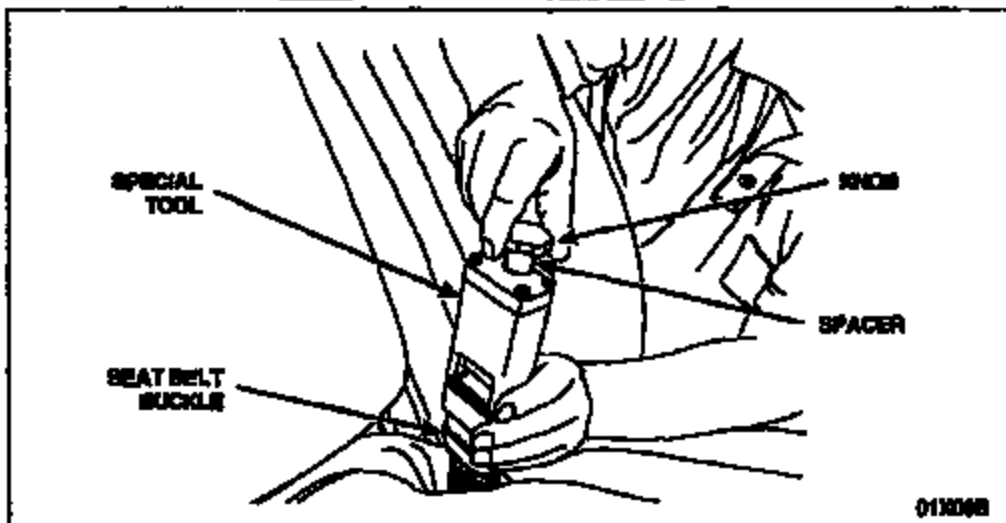


FIGURE 2

3. Pull on the body of the special tool in an attempt to remove it from the belt buckle. Do this without pressing the red seat belt release button.
- If the special tool does not lock into place in the belt buckle, but instead disengages from the belt buckle, the belt buckle must be replaced. Refer to the Service Procedure section of this document for instruction.
  - If the special tool does lock into place in the belt buckle, the belt buckle does not need to be replaced.
4. Remove the special tool from the seat belt buckle and unscrew the knob completely. If the special tool is retained by the buckle, press the seat belt release button to release it. Repeat Steps 1-3 on the passenger side seat belt buckle.

5. FRONT CENTER SEAT BELT BUCKLES ARE NOT AFFECTED BY THIS ACTION.

*Ford Motor Company*  
 © 2001 FORD MOTOR COMPANY  
 DEARBORN, MICHIGAN 48120  
 0601

- OVERUSE OF LUBRICATION?

**SERVICE PROCEDURE**

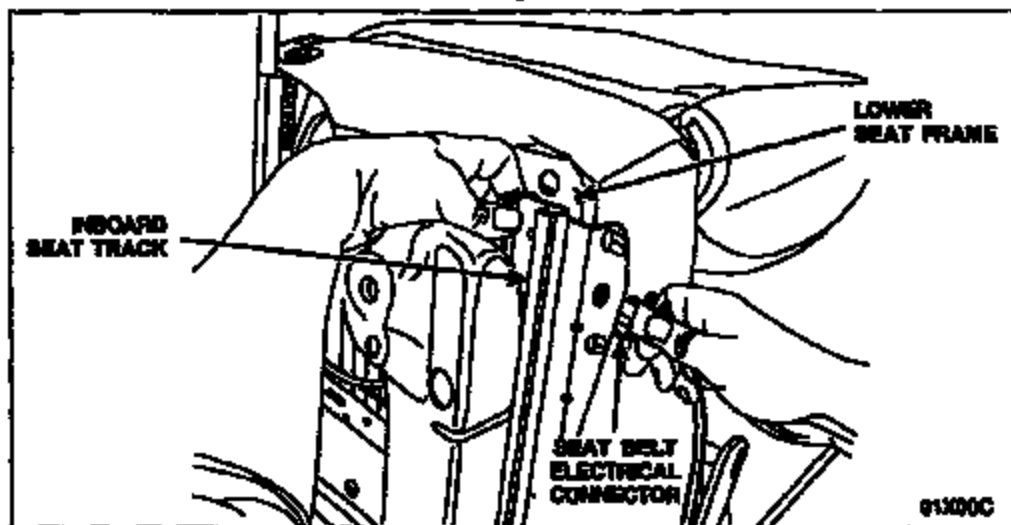
**NOTE:** All Workshop Manual references in this document are to the June 2001 CD version.

**CROWN VICTORIA, GRAND MARQUIS AND TOWN CAR**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 601-90A of the Crown Victoria, Grand Marquis and Town Car Workshop Manual.

**EXCURSION AND F-SUPER DUTY (258, 350, 450 AND 550)**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 601-20A of the Workshop Manual, with the following exceptions for manual 60/40 split bench and manual captain's chair:
  - A. On vehicles equipped with captain's chairs, the driver seat must be removed from the vehicle. Refer to the service procedures in Section 601-10 of the Excursion and F-Series Super Duty Workshop Manual.
  - B. The following steps must be performed to remove the driver seat belt buckle from the seat on captain's chairs and 40 percent seats of the 60/40 split bench seats.
    - Remove the rear mounting bolt from the inboard seat track.
    - Remove the buckle retaining nut.
    - Position the rear of the inboard seat track away from the seat frame for clearance to remove the electrical connector. See Figure 3.

**FIGURE 3**

- Remove the buckle and route the electrical connector through the side of the lower seat frame.
- For installation, reverse the steps above. Tighten the seat track bolt to 25 Nm (19 lb-ft) and the belt buckle nut to 40 Nm (30 lb-ft).

*Ford Motor Company*  
 OFFICE 3001 FORD MOTOR COMPANY  
 DEARBORN, MICHIGAN 48121  
 48121

**EXPEDITION AND NAVIGATOR**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 501-20A of the Expedition and Navigator Workshop Manual.

**F-150**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 501-20A of the F-150 Workshop Manual, with the following exceptions:
  - For vehicles with 60/40 split bench seats equipped with Seat Integrated Restraint (SIR) systems: during seat belt buckle removal, the 60 percent seat cushion does not have to be removed to access the seat belt buckle bolt.
  - For vehicles equipped with SIR: during seat removal, position the seat forward to access the fifth foot trim cover fastener.

**RANGER**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 501-20A of the Ranger Workshop Manual, with the following exceptions:
  - Remove both center seat belt bolts and leave the belts attached to the seat during removal.
  - During seat installation, it is not necessary to route the center seat belts through the locating strip since they are still attached to the seat. Tighten both bolts to 40 Nm (30 lb-ft).

**WINDSTAR**

1. Replace the affected front row seat belt buckle(s). Refer to the service procedures in Section 501-20A of the Windstar Workshop Manual.

*Ford Motor Company*

OFFICE 2001 FORD MOTOR COMPANY  
DEARBORN, MICHIGAN 48121  
9801

## TRW SEAT BELT BUCKLE

### TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

2. Can TRW Europe engineering help US to resolve? Contact a North West Service.	Lorraine Mapples Charly Hoffman	LMA00P@WV22-796 CHARL.HOFFMAN@TRW.COM	European Trip Number complete. Details of trip report required.	6/25	TBD
4. Data Acquisition - Verify effectiveness of executive actions for the 5 week campaign. Before/After data required. When will pass be completely acceptable?	Carole Kallan	CKALLEN@995-3136	-Send Status of Data/Air verification data on 6/24 -Carole Kallan to coordinate meeting with Marty, Lorraine, John, Jim McIlwain and Bob Ellis. Need to generate work plan. -Plan to start with 14th date supplied, and see what's missing. -Will be held on 6/24 and 25.	6/25	TBD
5. TRW to Contact DVA of Buckle	Ed Polner	EDPOLNER@TRW.COM	-TRW to contact DVA. -Ed to contact Ed on 6/23 with data review date anticipated.	TBD	TBD
6. 30 Photo Logins of Buckle Use and European Components	Lorraine Mapples TRW - TBD	LMA00P@WV22-796	-Good part and last part by end required. -Plan to discuss details of meeting called by Carole.	TBD	TBD
7. Follow-up of Quality Action Taken	Marty Vander Bill Lee	MVONLISE@94-3141 BLEE@995-3086 JIM.MCGOWAN@TRW.COM	Need to ensure processes and controls are being followed and adhered to at TRW Europe plant.	7/15	TBD
9. 140 Paper	John Nychterka	JNYCH@91223-6886	Tech Review scheduled for 6/21.	6/21	On-Going
-Finance	Bob Hicking	RBHICKING@921-4264	Tech Review scheduled for 6/21.	6/21	On-Going
-Quality Data	Devinder Saini Elin Anderson	DSAINI@923-9252 EANDER@975-9436	Sorting required by early plant and by item or Region, in which claims were made. Also requested TQM data and NETA VOQ data. Waiting for release by state, to assembly date.	TBD	TBD
10. Buckle Inspection Procedures	Alan Filling Ed Schlags Steve Prichin	AFILLING@94-1154 EDSCHLAGS@TRW.COM SPARKIN@94-2610	-New tool and procedure reviewed and sign-off on 6/21. -Key L&E Tooling up and creating. Report out 6/21.	6/21 6/25	TBD
11. Buckle Tool - Data Base	Alan Filling Ed Schlags	AFILLING@94-1154 EDSCHLAGS@TRW.COM	-TRW reviewed tool and gauge with West V.O. on 6/21. -Improved tool, with less false error, required. -Need to determine effect of temperature on false error.	6/21	TBD
12. New Tools required for APG, MPD, DPG, etc, for Pre-Production vehicles.	Alan Filling Ed Schlags	AFILLING@94-1154 EDSCHLAGS@TRW.COM	-Tools and procedure need to be shipped to APG, MPD and DPG. 1 tool per site. -James Schmitt in contact at MPD, X-26661. Elin Korte in contact at APG, 9-1-753-7261. -Need to broadcast procedure details, e.g. insert quickly and firmly, etc.	6/24	6/25
13. Other Vehicles Aboard -Capture Pre-Production Parts and Units, e.g. crash, durability	Bill Egan	WEAGAN@94-3614	-Bill contacted PVT Managers. -Need to broadcast procedure details, e.g. insert quickly and firmly, etc.	6/18	6/18
14. WBSY Coordination	Mike Andrew Rita Schilren	MANDREW@923-1157 RSULLIV@923-1180 DAVID.BENTHUSBY@TRW.COM	-Will coordinate release for all buckles affected. -Engineers per service identified. -Generic words for all CR's, have been reviewed and approved. -Elin Korte in report out next week. -Steve Wilkins offering help for coordination.	6/25	7/1
15. Statistical Analysis of Every Returned Item, Root Cause and	Condon Noble	ORCHEN@94-8084	Charts supplied on 6/11. Update in preparation on 6/11.	6/23	TBD

R004-011 10872

TRW SEAT BELT BUCKLE

TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

Task	Lead	Team	Start	End
17. STAR (Star) FAB review	EBL	WABING-003	Assigned as part of Forward Action Camera activities.	6/25
				TBD

RC04-011 10873



---

**Subject:** FW: TRW Seat Belt Buckle Task Force  
**Location:** Daily Conf. Call

**Start:** Mon 6/18/2001 4:00 PM  
**End:** Mon 6/18/2001 4:30 PM  
**Show Time As:** Tentative

**Recurrence:** Daily  
**Recurrence Pattern:** every weekday from 4:00 PM to 4:30 PM

**Meeting Status:** Not yet responded

Here's the updated matrix for today's 4:00 meeting. Please note that TRW representatives need to be identified for most categories. Also, shaded rows are closed.



buckleholders.doc  
(58 KB)

---Original Appointment---

**From:** Carone Jr., Jim (J.D.)  
**Sent:** Wednesday, June 13, 2001 9:31 AM  
**To:** Carone Jr., Jim (J.D.); Vasilber, Martin (M.C.); Morshew, Lorraine (L.M.); Zychowicz, Julie (J.A.); Kalra, Curtis (C.D.); Lee, William (W.E.); Mitchell, Derrick (D.); Pashan, Tara (T.M.); Smoorey, Stephanie (S.L.); Ed Palczar; Hannaway, Dawn; Gozzo, Michelle (M.); Egan, William (W.C.)  
**Cc:** Ferruccio, Paul (P.G.); Downs, Jim (J.C.); Landa, Leonard (L.A.); O'Neill, Ann (A.R.)  
**Subject:** Updated: TRW Seat Belt Buckle Task Force  
**When:** Monday, June 18, 2001 4:00 PM-4:30 PM (GMT-05:00) Eastern Time (US & Canada).  
**Where:** Daily Conf. Call

Notice request to include call in information

Kick-Off Meeting Today...

Will discuss task force objectives, roles & responsibilities ect.,.

4:00 Conf call every day starting 6-13-01:

**Outside:** 800-274-3057  
**Ford Net:** 854-1148  
**Pass Code:** 6194844#

## TRW SEAT BELT BUCKLE

### TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

ASSIGNMENTS	RESPONSIBLE	PHONE AND EMAIL	STATUS	START DATE	CLOSE DATE
1. Protection/Service Party - Party required to support repairs. Support from TRW US and TRW Europe.  What pre-sets in Zone using European parts? Can TRW Europe reprogram? help US to configure? Fish Eyes?	Starr Carter - FCED	NCARVER/366-8916	Will supply part availability information for 10% replacement and 100% replacement.	6/18	TBD
	Derrick Mitchell - Programming	DMITCHEL/2845-0734			
	Lorraine Morfaw	LMORF2W/323-7878	Lorraine to contact TRW Europe	6/18	TBD
2. Process Overview - Best Practices - Legal Implications - Communications - Supplier Liaison	Tom [unclear] Bob [unclear]	[unclear]	[unclear]	[unclear]	[unclear]
3. Data Acquisition - Verify effectiveness of corrective actions for the 5 root causes. Before/After data required. When will parts be completely acceptable?	[unclear]	TRW??	-Need independent Source to conduct DVA and part layout of European vs US design. Recognition of an outside supplier in Livonia that can be used.		TBD
4. [unclear]	[unclear]	[unclear]	[unclear]	[unclear]	[unclear]
5. 140 Paper	John Zychowicz	JYZYCHOW/323-0080	Requested 6/14. Next report at 6/15	6/18	
-Financials	Bob Fleming	BILL.FORRES@TRW.COM	Requested 6/14. Need updated repair rates.	6/18	Co-Going
-Quality Data	Devinde Srinin Rita Anderson	DSIDEL/322-9232 RANDER30/323-9436	Sorting required by car's plant and by Zone or Region, in which claims were made. Also requested TGW data and NHTSA VOO data.	6/18	TBD
6. Buckle Inspection Procedures	Abc Philip	APHILIP/394-1134	-Performed audits at NHTDC	6/18	TBD
7. WERS Coordination	Mike Andrus Rita Salazar	MANDRUB/323-1187 RSALZAR/323-1160	-Will coordinate releases for all buckles affected -Need coverage from each CBG to participate -Supervisors to identify which engineer	6/18	7/3
8. Follow-up of Quality Actions Taken	Marty Voelker Bill Lee	MVOELKER/380-5141 BLEE390-5393	Need to ensure processes and controls are being followed and adhered to at TRW Reynolds plant	7/15	TBD
9. Statistical Analysis of Parts Returned from Ford	Gordon Ritchie Jim McGowan	GRITCHB/248-8098 JIM.MCGOWAN@TRW.COM	Chart supplied on 6/18. Gordon to summarize on	6/18	TBD
10. [unclear]	[unclear]	[unclear]	[unclear]	[unclear]	[unclear]
11. [unclear]	Lorraine Morfaw	LMORF2W/323-7878		6/18	TBD
12. STA to schedule FAES re-aw	Bill Lee	BLEE390-5393		6/25	TBD

RC04-011 10785

---

**From:** Zychowicz, Julie (J.A.)  
**Sent:** Thursday, June 14, 2001 3:44 PM  
**To:** Dewalt, Greg (G.G.); Nacasz, Roy (R.A.); Morphew, Lorraine (L.M.); Kaina, Curtis (C.D.); 'dave.hennessey@trw.com'; 'bill.forbes@trw.com'; 'ed.palzer@trw.com'; Voelker, Martin (M.C.); Guzzo, Michele (M.); Eagan, William (W.C.); Maxwell, Thomas (T.F.); Carver, Norman (N.B.); Sullivan, Rita (P.); Andrus, Michael (M.J.); Mitchell, Derrick (D.); Hilding, Robert (R.J.); Sidhu, Devinder (D.S.); Anderson, Rita (R.); Philip, Abraham (A.G.); Lee, William (W.E.)  
**Subject:** TRW Buckle - Task Force

Here is a matrix of the issues we identified yesterday:



bucklebuckface.doc  
(39 KB)

## TRW SEAT BELT BUCKLE

### TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

ASSIGNMENTS	RESPONSIBLE	PHONE NUMBER	STATUS	CLOSE DATE
1. Production/Service Field - Parts required to support repairs. Support from TRW U.S. and TRW Europe.  What prevents us from using European parts? Can TRW Europe engineering help US to monitor? Fresh Eyes?	Norm Carter - PCSD Dustin Mitchell - Purchasing  Lorraine Morphew	NCARVER/256-9916 DMITCHE/22845-0734  LMOORPH/222-7876	Have not agreed to accept  Lorraine to contact TRW Europe.	TBD  TBD
2. Process Overview - Best Practices - Legal Implications - Communications - Display Location	Greg Orvitt Roy Naccorin	GOEWAL/7330-1160 RNACCOR/2523-1657	Will schedule a meeting to explain recall procedures.	TBD
3. Data Acquisition - Verify effectiveness of corrective actions for the 5 most common failures/ADRs that impact. When will parts be completely acceptable?	Chris Kalkin	CKALINA/550-5150	Will report out weekly  Need VSA review	TBD
4. History of Latches Latched - TRW issue of top mounted release buckle	Michael Goman	MAGUZG/248-6441	-Reviewed history with small group on 6/14. Need White paper for details. -Submitted a list of ideas to Chris, to verify effectiveness of corrective actions.	TBD
5. YAD Paper  -Financials  -Quality Data	Jeff Eychowitz  Bob Biding  Deviner Shinn	JEYCHOW/2525-4096  RBILDIN/3723-5264  DDEVINER/22-9273	Reported 6/14. Next report is 6/15.  Reported 6/14. Need updated repair rates.  Scoring required by early plant and by State or Region, in which claims were made.	6/15  6/15  TBD
6. Buckle Inspection Procedures	Alex Philip	APHILIP/224-1124	-Performed audit at MOPDC. -Will review "No Boundary" vehicles.	6/15 6/15
7. WEMA Coordination	Mike Andron Ely Sullivan	MANDRON/333-1187 RESULLI/2523-1166	-Will coordinate reviews for all buckles affected. -Need engineer from each CBO to participate. Supervisors to identify which engineers.	7/1  6/15
8. Follow-up of Quality Action Taken	Marty VanDer Bill Lee	MVANDER/380-5141 BLEE/256-2393	Need to ensure prevention and controls are being followed and adhered to at TRW European plants.	TBD
9. Statistical Analysis of Returned Parts	Tom Silverwell	TSILVERW/390-8912		
10. Other Vehicles Affected - Capture Pre-Production Parts and Units, e.g. crash, durability	SUPERVISORY			
11. Another issue identified by a manager!!!!				

RC004-011 10777

---

**From:** Zychowicz, Julie (J.A.)  
**Sent:** Tuesday, July 03, 2001 12:50 PM  
**To:** Oswald, Greg (G.G.); Nacowitz, Roy (R.A.); Morphew, Lorraine (L.M.); Kalina, Curtis (C.D.); Lee, William (W.E.); 'dave.hennessey@trw.com'; 'bill.karbas@trw.com'; 'ed.palczar@trw.com'; Voelker, Martin (M.C.); Eagan, William (W.C.); Maxwell, Thomas (T.F.); Carter, Norman (N.B.); Sullivan, Rita (P.); Andrus, Michael (M.J.); Mitchell, Derrick (D.); Hilding, Robert (R.J.); Anderson, Rita (R.); Philip, Abraham (A.G.); Richel, Gordon (G.); Paeraluoto, Paul (P.G.); Landa, Leonard (L.A.); Downs, Jim (J.C.); Brown, Jerry (J.R.); Swensen, Stephanie (S.L.); Osborne, William (W.H.); Diangelo, Deborah (D.A.); Melock, David (D.B.); Gorski, Paul (P.E.)  
**Subject:** Updated TRW Buckle - Task Force Matrix

Bill - I haven't been involved in the meetings lately and will be on vacation the rest of the week. Here's the latest matrix per the limited info I have.

All - Please feel free to modify and send back to me to update and distribute.



backseat@rcs1.d  
ec (70 KB)

## TRW SEAT BELT BUCKLE

### TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

Task	Lead	Contact	Notes	Start	Close
2. Can TRW Europe engineering help US to resolve? Contact a Fresh Eyes Review?	Lorraine Morshaw Charlie Hoffman	LAMORPHEW@TRW.COM CHARLIE.HOFFMAN@TRW.COM	European Trip Review complete. Results of trip report to be reviewed on 7/26/01 with Carrie, Lorraine and TRW.	7/5	TBD
4. Data Acquisition - Verify effectiveness of current system for the 5 root causes. Before/After data required. When will parts be completely acceptable?	Carrie Kalina	CKALINA@TRW.COM	-Good Status of Belts/Axes verification data on 6/26. -Carrie Kalina to schedule meeting with Marty, Lorraine, John, Jim McGowan and Rob Ellis. Need to generate work plan. -Plan to start with 14D data supplied, and see what's missing. -Will be led to ES and BS. -Bill Kagan to PUL.	6/20	TBD
5. TRW to Conduct DVA of Buckle	Ed Polczar	EDPOLCZAR@TRW.COM	-TRW to conduct DVA	7/23	TBD
6. 3D Piece Layout of Both US and European Components	Lorraine Morshaw TRW - TBD	LAMORPHEW@TRW.COM	-Good part and final part lay-out required. -Plan to discuss details at meeting called by Carrie. -Plan to discuss with TRW at 7/25 meeting.	7/5	TBD
7. Follow-up of Quality Actions Taken	Marty Vochter Bill Lutz	MVVOCHTER@TRW.COM BILL.LUTZ@TRW.COM	Need to ensure processes and controls are being followed and adhered to at TRW Regensburg plant.	7/15	TBD
9. 14D Paper	Julie Zychowicz	JZYCHOW@TRW.COM	Final Tech Review - TBD. FAPS Review Scheduled for 7/24.	TBD	TBD
-Financials	Bob Hiding	BOBHIDING@TRW.COM	Next Tech Review - TBD.	TBD	On-Going
-Quality Data	Rita Anderson	RANDER@TRW.COM	Sorting required by 2nd plant and by State or Region, in which claims were made. Complete, with an appropriate affects apparatus. Also requested TOW data and NHTSA VOQ data. Supplied by Ford Quality.	6/28	Closed
10. Buckle Inspection Procedure	Abe Philip Ed Schlapf Steve Parich	APHILIP@TRW.COM EDSCHLAPF@TRW.COM SPARKING@TRW.COM	-New tool and procedure reviewed and sign-off on 6/21. -Key Life Testing up and running. Report out 6/25. -Steve Parich to contact OGC, on tool availability. -NEED UPDATE	6/21 6/25	TBD
11. Buckle Test - Beta Error	Abe Philip Ed Schlapf	APHILIP@TRW.COM EDSCHLAPF@TRW.COM	-TRW reviewed tool and gauge with Ford V.O. on 6/20. -Approved tool, with less than error, requested. -Need to determine affect of temperature on Beta error. -TRW tested 15 rejected buckles from sort, at ambient temp of 136 degrees, and found the buckles performed correctly. For some 15 is still being and will report out results on 6/27. -NEED UPDATE	6/27	TBD
12. New Tools required for APG, MPG, DPG, etc. for Production vehicles.	Abe Philip Ed Schlapf	APHILIP@TRW.COM EDSCHLAPF@TRW.COM	-Tool and procedure need to be shipped to APG, MPG and DPG. 1 tool per site. -Janice Schaefer in contact at MPG, X-28661. Eric Koehn is contact at	6/20	6/25

Julie Zychowicz/jzychow  
Buckletaskforce].word

Date Created: 6/12/01  
Date Revised: 12/9/04

## TRW SEAT BELT BUCKLE

### TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

			APG 9-1-753-7361 -Need to broadcast procedure details, e.g. insert quickly and firmly, etc.		
13. Other Vehicles Affected -Capture Pre-Production Parts and Units, e.g. crash, durability	Bill Regan	WRAGAN@584-2611	-Bill corrected PVT Messages -Need to broadcast procedure details, e.g. insert quickly and firmly, etc.	6/18	6/18
14. WERS Coordination	Mike Amick Elin Nelson	MANDRUS@323-1157 ERULLIN@323-1160 DAVE.HENNESSEY@TRW.COM	-Will coordinate releases for all buckles affected. -Engineers per contact identified. -Generic words for all CB's, have been reviewed and approved. -Rate Buckles to report out next week. -Dan Nelson offering help for coordination. -NEED UPDATE	6/25	7/2
15. Statistical Analysis of Parts Returned from Ford Plants and Best Suppliers	Gordon Roche Jim McGowan	GRUCH@344-8098 JIM.MCGOWAN@TRW.COM	Charts supplied on 6/18. Gordon to present on 6/18.	6/23	TBD
[REDACTED]					
17. STA to schedule FARS review	Bill Lee	BLEE@300-3393	-Required as part of Prevent Action Closure procedure. -FAR Review Meeting Scheduled for 7/24.	6/23	TBD
18. Compile statistics on Nucleik part to see if opposition regarding different failure rates associated with weeks 10 through 14 can be supported	Charlie Steffens	Charlie.steffens@trw.com	-NEED UPDATE	6/29	
19. Get data from all vehicles impacted at Jucare Dunes to support 18 slide	Ed Pelczar	Ed.pelczar@trw.com	-NEED UPDATE	6/29	
20. Obtain replacement parts for JD vehicles and evaluate them with regard to root cause	Ed Pelczar	Ed.pelczar@trw.com	-NEED UPDATE	6/29	
21. Provide an updated time line with all TRW activities at the assembly plant to support the analysis from 18, 19, and 20 above.	Charlie Steffens	Charlie.steffens@trw.com	-NEED UPDATE	6/29	
22. Complete gage reliability paper to demonstrate the accuracy of the gage and document all studies.	Ed Schlapa	ED.SCHLAP@TRW.COM	Report to include gage R&R study, documentation of JD inspection, pilot plant data, and most recent FLSO data	6/29	
23. Consolidation of Service Parts Required	Norm Carver John Burke	NCARVER@266-9816 JOHN.BURKE@TRW.COM 936-432-8113 X-2254			

RC04-014 10772

Julie Zychowicz/jzychow  
Buckletaskforce1.word

---

**From:** Zychowicz, Julie (J.A.)  
**Sent:** Wednesday, June 27, 2001 2:39 PM  
**To:** Oswalt, Greg (G.G.); Nacowicz, Roy (R.A.); Morpew, Lorraine (L.M.); Kalna, Curtis (C.D.); Lee, William (W.E.); 'dave.hennessey@trw.com'; 'bill.jorbes@trw.com'; 'ed.peltzar@trw.com'; Voelker, Martin (M.C.); Eagan, William (W.C.); Maxwell, Thomas (T.F.); Carver, Norman (N.B.); Sullivan, Rita (P.); Andrus, Michael (M.J.); Mitchell, Derrick (D.); Hilding, Robert (R.J.); Anderson, Rita (R.); Philip, Abraham (A.G.); Richel, Gordon (G.); Ferraluolo, Paul (P.G.); Landis, Leonard (L.A.); Downs, Jim (J.C.); Brown, Jerry (J.R.); Sweeney, Stephanie (S.L.); Osborne, William (W.H.)  
**Subject:** Updated Matrix for Today's 4:00 Meeting

Here's the updated matrix:



backstageforce1.d  
or (89 KB)



## TRW SEAT BELT BUCKLE

### TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

ASSIGNMENT	RESOURCES	PROGRESS/STATUS	START DATE	COMPLETION DATE
1. TRW to supply and test 1000 units of buckles for 1000 vehicles and 1000 DVA's	David C. ...	...	...	...
2. TRW to supply and test 1000 units of buckles for 1000 vehicles and 1000 DVA's	...	...	...	...
3. TRW to supply and test 1000 units of buckles for 1000 vehicles and 1000 DVA's	...	...	...	...
4. TRW to supply and test 1000 units of buckles for 1000 vehicles and 1000 DVA's	...	...	...	...
5. TRW to Conduct DVA of Buckle	Ed Palmer	ED.PALMER@TRW.COM	TRW to conduct DVA	TBD
6. 30 Piece Layout of Both US and European Components	Laurie Murrell	LMORRE@TRW.COM	-Ed to contact Julie on 6/21 with date review date postponed -Good part and bad part lay-out required -Plan to discuss details at meeting called by Curtis	TBD
7. Follow-up of Quality Action Tickets	Marty Voelker Bill Lee	MVVOELK@TRW.COM BLL1@TRW.COM	Need to ensure processes and controls are being followed and adhered to at TRW Reg Boss plant	7/15
8. History of Legrand Legrand ...	...	...	...	...
9. 1-4D Paper	...	...	...	...
-Physical	Bob Hiding	RHIDING@TRW.COM	Tech Review scheduled for 6/21	6/21
-Quality Data	Ron Anderson	RANDERS@TRW.COM	Sorting required by early plant and by State or Region. at which criteria were made. Also requested TRW data and WHITEA VOQ data Waiting for volumes by state, or acceptance date	TBD
10. Buckle Inspection Procedure	Alex Philip Ed Schlags Steve Parfitt	APHILIP@TRW.COM ED.SCHLAGS@TRW.COM SPARKING@TRW.COM	-New tool and procedure reviewed and sign-off on 6/21. -Key LAs Testing up and running. Report out 6/25. -Steve Parfitt to contact OGC, on final availability.	6/21 6/25
11. Buckle Tool - Beta Error	Alex Philip Ed Schlags	APHILIP@TRW.COM ED.SCHLAGS@TRW.COM	-TRW reviewed tool and gauge with Ford V.O. on 6/20. -Design of tool, with less beta error, required. -Need to determine effect of temperature on Beta error -TRW tested 15 rejected buckles from west, at ambient temp of 134 degrees, and found the buckles performed correctly. The same 15 in cold temp and will report out results on 6/27.	6/27
12. New Tools required for APG, MPD, DPG, etc. for Pre-Production vehicles.	Alex Philip Ed Schlags	APHILIP@TRW.COM ED.SCHLAGS@TRW.COM	-Tools and procedures need to be shipped to APG, MPD and DPG. 1 tool per site. -Janet Schmidt is contact at MPD, X-3661. Eric Kuehn is contact at APG, 9-1-753-7261 -Need to broadcast procedure details, e.g. insert quickly and firmly, etc.	6/20
13. Other Vehicles Affected	Bill Magua	WBRAD@TRW.COM	-Bill contacted PVT Managers. -Need to broadcast procedure details, e.g. insert quickly and firmly, etc.	6/16
14. WBS Characteristics	Mike Andrus Rita Sullivan	MANDRUS@TRW.COM RSULLIV@TRW.COM	-WBS coordinate releases for all buckles affected. -Engineers per contract identified.	6/25

R004-011 10774

## TRW SEAT BELT BUCKLE

### TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

		DAVE HENNESSY@TRW.COM	-Obtain words for all CR's, have been reviewed and approved. -Rita Hoffman to report out next week. -Dan Nelson offering help for specification.		
15. Statistical Analysis of Parts Returned from Ford Plants and	Gordon Rockie	GRUCH09048-0976	Chairs supplied on 6/18. Gordon to summarize on 6/18	6/25	TBD
16. Provide a list of parts from TRW for analysis	Leanne			6/25	TBD
17. Review and analyze data regarding different failure rates associated with weights 10 through 16 cars by manufacturer.	Ed Polcar	EDPOLCAR@TRW.COM	-Required as part of Prevent Action Closure procedure.	6/25	TBD
18. Get data from all vehicles suspected at Aurora Dundee to support 19 above	Ed Polcar	EDPOLCAR@TRW.COM	-need access to vehicles at JD Steve Parkes to investigate	6/29	
19. Obtain replacement parts for JD vehicles and evaluate them with regard to root cause.	Ed Polcar	EDPOLCAR@TRW.COM	-need access to vehicles at JD Steve Parkes to investigate	6/29	
20. Provide an updated trace list with all TRW activities at the assembly plant to support the analysis from 18, 19, and 20 above.	Charles Sedlow	Charles.Sedlow@trw.com		6/29	
21. Complete gage reliability paper to demonstrate the accuracy of the gage and document all studies.	Ed Schlapf	EDSCHLAPF@TRW.COM	Report to include gage R&R study, documentation of JD responses, print plant data, and most recent P150 data	6/29	
22. Consolidation of Service Parts Request	Norm Carver John Barie	NCARVER/266-9918 JOHN.BARIE@TRW.COM 954-692-8713 X-2284			

---

**From:** Malecki, David (D.B.)  
**Sent:** Tuesday, July 03, 2001 1:50 PM  
**To:** Conrad, Eric (E.E.)  
**Subject:** FW: Updated TRW Buckle - Task Force Matrix

FYI

**David B. Malecki**  
Interior Site Manager  
Supplier Technical Assistance

dmalecki@ford.com  
Phone: 313-390-9909  
Fax: 313-390-3384  
QMP 219S

---Original Message---

**From:** Zychowitz, Julie (J.A.)  
**Sent:** Tuesday, July 03, 2001 12:50 PM  
**To:** Cawalt, Greg (G.G.); Haczewicz, Roy (R.A.); Morphew, Lorraine (L.M.); Palma, Curtis (C.D.); Lee, William (W.E.);  
"Steve.Harmonsey@trw.com"; "bill.fariss@trw.com"; "ed.palczan@trw.com"; Voshell, Martin (M.C.); Engler, William (W.C.); Maxwell,  
Thomas (T.F.); Carter, Norman (N.A.); Sullivan, Rita (P.); Andrews, Michael (M.L.); Mitchell, Derrick (D.); Hilling, Robert (R.L.);  
Anderson, Rita (R.); Philip, Alrahena (A.G.); Ribbel, Gordon (G.); Ferralecco, Paul (P.S.); Landis, Leonard (L.A.); Downs, Jim (J.C.);  
Brown, Jerry (J.B.); Swanson, Stephanie (S.L.); Osburn, William (W.H.); Kingale, Deborah (D.A.); Malecki, David (D.B.); Gorski,  
Paul (P.E.)  
**Subject:** Updated TRW Buckle - Task Force Matrix

Bill - I haven't been involved in the meetings lately and will be on vacation the rest of the week. Here's the latest matrix per the limited info I have.

All - Please feel free to modify and send back to me to update and distribute.



worddoc/matrix.doc

TRW SEAT BELT BUCKLE

TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

2. Can TRW design engineering help US to resolve? Conduct a Root Cause Review.	Lorenso Miroshaw Charlie Salinas	LMCHMIR@TRW.COM CHARLESAL@TRW.COM	European Trip Review complete. Results of trip require to be reviewed on 7/21 with Charlie, Lorenso and TEW.	7/5	TBD
4. Data Acquisition - Verify effectiveness of corrective actions for the 3 seat classes. Before/After data required. When will parts be completely acceptable?	Carla Kellen	CKALINA@TRW.COM	-Need Status of Before/After verification data, on 6/20. -Carla Kellen to schedule meeting with Nancy, Lorenso, Julie, Jim McGovern and Rob Ellis. Need to generate work plan. -Plan to start with 140 data supplied, and see what's missing. -NFI to lead to 405 and 40. -JIM Engen to EOL.	6/20	TBD
5. TEW to Conduct OVA of Buckle	Ed Polster	EDPOLST@TRW.COM	-TRW to conduct OVA.	7/22	TBD
6. 30 Point Report of Buckle Us and European Components	Lorenzo Miroshaw TRW - TBD	LMCHMIR@TRW.COM	-Good part and bad part beyond required. -Plan to discuss details of meeting called by Carla. -Plan to discuss with TEW at 7/6 meeting.	7/6	TBD
7. Follow-up of Quality Action Items	Mary Vukob BRI Lee	MVUCHELE@TRW.COM BRIANL@TRW.COM	Need to ensure processes and controls are being followed and adhered to at TRW Rayman plant.	7/13	TBD
9. IAD Paper	Julia Zychowicz	JZYCHOW@TRW.COM	Next Task Review - TBD. RAB Review Scheduled for 7/24.	TBD	On-Going
-Process	Bob Hedberg	BHEBER@TRW.COM	Next Task Review - TBD.	TBD	On-Going
-Quality Data	Rita Anderson	RANDERS@TRW.COM	Review required by early plant and by Seats or Region, in which claims were made. Complete, with an inspection efforts report. Also requested TQM data and NHTSA VOQ data. Supplied by Ford Quality.	6/21	Close
10. Buckle Inspection Protocols	Alan Philip Ed Schlappe Steve Puckie	APHLIP@TRW.COM EDSCHLAP@TRW.COM SPACKEN@TRW.COM	-New tool and procedure reviewed and sign-off on 6/21. -Key Life Testing up and running. Report out 6/21. -Steve Puckie to contact GOC, on tool availability.	6/21 6/21	TBD
11. Buckle Tool - 30m Error	Alan Philip Ed Schlappe	APHLIP@TRW.COM EDSCHLAP@TRW.COM	-TRW reviewed tool and gauge with Ford V&I on 6/20. -Improved tool, with less than error, required. -Need to determine effect of temperature on data error. -TRW used 15 rejected buckles from part, at ambient temp of 134 degrees, and found the buckles performed correctly. Put more 15 in cold temp and will report out results on 6/27.	6/27	TBD
12. New Tools required for APG, MPD, DPG, etc., for Pre-Production vehicles.	Alan Philip Ed Schlappe	APHLIP@TRW.COM EDSCHLAP@TRW.COM	-Tools and programs need to be shipped to APG, MPD and DPG. ( tool per site. -Jimmie H (circle) in contact at MPD, E-2866). Eric Kuehn is contact at	6/20	6/25

Katie Zychowicz/jzychow  
Buckdetaskforce1.word

Date Created: 6/12/01  
Date Revised: 5/12/03

TRW SEAT BELT BUCKLE

TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

			AFG 9-1-773-754. -Need to briefest procedure details, e.g. insert quickly and firmly, etc.		
13. Other Variables Addressed -Capture Pre-Production Parts and Units, e.g. cost, durability	Bill Egan	WEACAN994-3616	-Bill contacted PVT Minsgen. -Need to briefest procedure details, e.g. insert quickly and firmly, etc.	6/18	6/18
14. WERE Coordination	Mike Austin Rita Bellows	MANDREB/225-1187 SKILLFV2033-1168 DAVE MENSSENEY@TRW.COM	-Will coordinate subject for all handles affected. -Engineers per airline identified. -Generic words for all CR's, have been reviewed and approved. -Rita Bellows to report out next week. -Don Nelson offering help for coordination. -NEED UPDATE	6/25	7/2
15. Statistical Analysis of Parts Returned from Field Flights and Root Causes	Charles Riddle Jim McCowan	CRCHRD248-8038 JIM.MCCOWAN@TRW.COM	Charts supplied on 6/18. Charles to summarize on 6/21.	6/23	TBD
17. ETA to schedule FASS review	Bill Tan	BLTAN/10-3393	-Required as part of Forward Action Closure procedure. -FASS Review Meeting Scheduled for 7/24.	6/23	TBD
18. Compile statistics on NACB's cost to see if opportunities regarding different failure rates associated with weeks 10 through 16 can be suggested.	Charlie Bellows	Charlie.bellows@trw.com	-NEED UPDATE	6/29	
19. Get data from all vehicles inspected at Jwanan Khazem to support 18 above.	Ed Palmer	Ed.palmer@trw.com	-NEED UPDATE	6/29	
20. Check replacement parts for ID numbers and evaluate data with regard to root cause.	Ed Palmer	Ed.palmer@trw.com	-NEED UPDATE	6/29	
21. Provide an updated flow line with all TRW variables at the assembly plant to support the analysis from 18, 19, and 20 above.	Charlie Bellows	Charlie.bellows@trw.com	-NEED UPDATE	6/29	
22. Compile gaps analysis paper to demonstrate the necessity of the gaps and document all actions.	Ed Bellows	ED.BELLOWS@TRW.COM	Report to include gaps R&R study, documentation of ID inspection, pilot plant data, and recent reject FI 20 data.	6/29	
23. Consolidation of Service Parts Required	Hern Cervi John Bustin	NEARVER/264-3916 JOHN.BUSTIN@TRW.COM 928-422-4113 X-2254			

RODA-011-11088

Julie Zychowicz/zychow  
Buckler/taskforce1.word

7/3

---

**From:** Zyckowicz, Jelle (J.A.)  
**Sent:** Friday, June 18, 2004 10:59 AM  
**To:** Oweiss, Greg (G.G.); Nacmetz, Roy (R.A.); Morphet, Lawrence (L.M.); Kakra, Curtis (C.D.); 'dave.hennessey@irs.com'; 'bill.forbes@irs.com'; 'ad.palmer@irs.com'; Voshell, Martin (M.G.); Buzzo, Michelle (M.); Egan, William (W.G.); Maxwell, Thomas (T.F.); Carver, Mowser (M.S.); Bolham, Rita (P.); Andrus, Michael (M.J.); Mitchell, Dennis (D.); Hiding, Robert (R.L.); Skiba, Deyinder (D.S.); Anderson, Rita (R.); Philip, Abraham (A.G.); Lee, William (W.E.); Pichal, Gordon (G.); Farnsworth, Paul (P.G.); Landis, Leonard (L.A.); Downs, Jim (J.D.); Brown, Jerry (J.R.)  
**Subject:** Updated Task Force Matrix

Here's the updated matrix. For those identified as responsible, please note next review date.

Please note that Bill Egan indicated that we should not meet today, as we will be meeting from 2-4 on this subject.



budgetmatrix.doc  
(45 KB)

TRW SEAT BELT BUCKLE

TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

1. Production/Service Parts - Plans assigned to support repair. Support from TRW U.S. and TRW Europe.  What prevents us from using European parts? Can TRW Europe engineering help US to receive? Frank Byrd	Heinz Carver - PCSD Donick Mitchell - Production  Lennino Morghow	NCA/VER/056-9915 DABYCH23/045-0134  LJMGSPHEW/322-7875	Will supply part availability information for 30% replacement and 100% replacement.  Lennino in contact TRW Europe. Meeting Scheduled for 6/15, 10:00am	6/13	TBD
2. Process Overview - Best Practices - Legal Implications - Communications - Dealer Letters	Greg Orenik Roy Knapstein	GOBWALJ/390-1160 RONACERW/323-1657		6/11	TBD
3. Data Acquisition - Verify effectiveness of corrective actions for the 5 next cases. Before/After data required. When will parts be completely acceptable?	Costa Kalkan	CKALINA/350-2130	-Will report on weekly -Need Independent Source to conduct DVA and post report of European vs US design. Capabilities in an outside supplier in Urethane that can be used.	6/13	TBD
4. History of Lessons Learned - TRW intro of top recalled vehicle buckle	Michael Ouzro	MGOUZRO/245-6441	-Reviewed history with email going on 6/14. Need White paper for details. -Reviewed a list of items to Costa, to verify effectiveness of corrective actions.		6/14
5. IAD Paper  -Pneumatic  -Quality Data	Jule Zychowicz  Bob Hilling  Darrinder Gillis Bibi Anderson	JZYCHOW/323-6896  BHILLING/323-0264  DYGILLIS/322-0252 RANDEERS/323-0426	Reported 6/14. Next report is 6/15.  Reported 6/14. Need updated repair rates.  Sinking reported by air'y plant and by Stern or Region, in which claims were made. Also requested TRW data and NHTSA VCC data.	6/11	On-Going
6. Buckle Inspection Procedure	Alto Polig	APOLIG/394-1134	-Performed audits at NHTSA. -Reviewed "No Secondary" vehicles. Will replace 4 rejected buckles affecting 3 units.	6/13	TBD
7. WBEI Coordination	Mike Andrus Bibi Sullivan	MAMDRUS/323-1187 BSULLIV/2523-1160	-Will coordinate releases for all buckles affected. -Need engineer from each CBO to participate. -Supervisors to identify which unit may.	6/13	7/1
8. Follow-up of Quality Atlanta Tissues	Marty Ventur Bill Lee	MVENTUR/390-5181 BLLEE/390-5383	Need to ensure pancovers and controls are being followed and adhered to at TRW Reynolds plant.		TBD
9. Statistical Analysis of Parts Returned from Ford Plants and Seat Suppliers	Geordan Riches	GRICHES/345-3894		6/13	TBD
10. Dealer Vehicles Affected -Capture Pre-Production Parts and Urns, e.g. crash, durability	Bill Engen	WBEAENG/394-3613	Will to contact PVT Mustang and Platform CP's	6/11	TBD
11. Another issue identified by a manager???					

## TRW SEAT BELT BUCKLE

### TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

DESCRIPTION	RESPONSIBLE PERSON	PHONE NUMBER	DETAILS	START DATE	END DATE
3. Can TRW Europe engineering help US as needed? Conduct a Fresh Eyes Review.	Louise Murphy Claudia Scifano	LMURPHY@TRW22-7676 CHARLIE.SCIFANO@TRW.COM	European Trip Review complete. Results of trip report to be reviewed on 7/20/01 with Carlo, Louise and TRW.	7/3	TBD
4. Data Acquisition - Verify effectiveness of corrective actions for the 5 root causes. Before/After data required. When will parts be completely acceptable?	Carla Kaban	CKABAN@TRW-3190	-Send Status of History/After verification data, on 6/20. -Carla Kaban to schedule meeting with Marty, Louise, John, Jim McGowan and Rob Elm. Need to generate work plan. -Plan to start with 14D data supplied, and see what's missing. -Will be tied to AS and 84. -Will program in PACI. -TRW to conduct DVA.	6/20	TBD
5. TRW to Conduct DVA of Buckle	Ed Polmar	ED.POLMAR@TRW.COM	-TRW to conduct DVA.	6/23	TBD
6. 3D Piece Layout of Buckle US and European Components	Louise Murphy TRW - TBD	LMURPHY@TRW-7876	-Send part and lead part lay-out request. -Plan to discuss details at meeting called by Carla. -Plan to discuss with TRW at 7/3 meeting.	7/5	TBD
7. Follow-up of Quality Actions Taken	Marty Vecchio Bill Lee	MVVECCHIO@TRW-6141 BLEE@TRW-5793 JIM.MCGOWAN@TRW.COM	-Need to ensure processes and controls are being followed and adhered to at TRW Europe plant.	7/15	TBD
9. 14D Paper	Julie Zychowicz	JZYCHOW@TRW-0896	Next Tech Review - TBD. FAMS Review scheduled for 7/24.	TBD	On-Going
-Pinpoints	Bob Hildag	BILL.FORRIS@TRW.COM RHILDAG@TRW-8264	Next Tech Review - TBD.	TBD	On-Going
-Quality Data	Russ Anderson	RANDER@TRW-9436	Sorting required by user's plant and by State or Region, in which chart were made. Complaints, with no temperature affects apparent. Also requested TOW data and NHTSA VOQ data. Supplied by Ford Quality.	6/28	Closed
10. Buckle Inspection Procedures	Alex Philip Ed Schlapa Steve Parker	APHILIP@TRW-1134 ED.SCHLAPA@TRW.COM SPARKER@TRW-7610	-New tool and procedure reviewed and sign-off on 6/21. -Key Life Turning up and running. Report out 6/25. -Steve Parker to contact OOC, re tool availability. -NEED UPDATE.	6/21 6/25	TBD
11. Buckle Tool - Beta Error	Alex Philip Ed Schlapa	APHILIP@TRW-1134 ED.SCHLAPA@TRW.COM	-TRW reviewed tool and gauge with Ford V.O.I. on 6/20. -Improved tool, with less beta error, required. -Need to determine effect of temperature on Beta error. -TRW tested 15 suspect buckles from sort, at ambient temp of 126 degrees, and found the buckles performed correctly. For some 1.5 in cold temp and will report out results on 6/27. -NEED UPDATE.	6/27	TBD
12. New Tools required for APQ, MPQ, DPG, etc., for Production vehicles.	Alex Philip Ed Schlapa	APHILIP@TRW-1134 ED.SCHLAPA@TRW.COM	-Tools and procedures need to be shipped to APQ, MPQ and DPG. 1 tool per site. -Janice Schaefer is contact at MPQ, X-20661. Eric Kaehn is contact at	6/28	6/28

Julie Zychowicz/jzychow  
BuckleTaskForceL.word

Date Created: 6/12/01

RC04-011 08904



TRW SEAT BELT BUCKLE

TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

			APL 9-3-753-7261 -Need to broadcast procedure details, e.g. insert quickly and firmly, etc.		
13. Other Vehicles Affected -Capture Pre-Production Parts and Units, e.g. crash, durability,	Bill Tegen	WEADAN/994-2618	-Bill contacted P-T Managers -Need to broadcast procedure details, e.g. insert quickly and firmly, etc.	6/18	6/18
14. WERS Configuration	Mike Andrus Rex Sullivan	MANDRU/333-1187 RSULL/N2/333-1160 DAVE.HENNESSEY@TRW.COM	-Will coordinate release for all buckles affected -Engage per engine identified -Generic words for all CR's, let's have reviewed and approved -Rite will come to report and meet with us -Dan Nelson offering help for coordination. -NEED UPDATE	6/23	6/23
15. Statistical Analysis of Parts Returned from Ford Pilots and Seat Suppliers	Gordon Butler Jim McGowan	GRUCHED/248-6098 JIM.MCGOWAN@TRW.COM	Charts supplied on 6/18. Gordon to respond on 6/18	6/25	TBD
<del>16. [REDACTED]</del>	<del>[REDACTED]</del>	<del>[REDACTED]</del>	<del>[REDACTED]</del>	<del>6/18</del>	<del>6/18</del>
17. STA to schedule FASS review	Bill Leo	RL28/994-3397	-Required as part of Current Action Closure procedure -FASS Review Meeting Scheduled by 7/23	6/23	TBD
18. Complete statistics on Norfolk run to see if suspension regarding different failure rates associated with weeks 18 through 19 can be supported.	Charlie Steffens	Charlie.steffens@trw.com	-NEED UPDATE	6/29	
19. Get data from all vehicles inspected at Jerome Duncan to support 18 above.	Ed Pelczar	Ed.pelczar@trw.com	-NEED UPDATE	6/29	
20. Obtain replacement parts for 20 vehicles and evaluate them with regard to root cause.	Ed Pelczar	Ed.pelczar@trw.com	-NEED UPDATE	6/29	
21. Provide an updated time line with all TRW activities at the assembly plant to support the analysis from 18, 19, and 20 above.	Charlie Steffens	Charlie.steffens@trw.com	-NEED UPDATE	6/29	
22. Complete page reliability paper to demonstrate the accuracy of the page and document all studies.	Ed Schlags	ED.SCHLAGS@TRW.COM	Report to include page R&R study, documentation of JD expectations, pilot plant data and most recent FISS data	6/29	
23. Consolidation of Service Parts Required	Nancy Carter John Burke	NCARTER/260-9916 JOHN.BURKE@TRW.COM 994-632-6113 X-2254			

RC04-011 08905

Julie Zychowicz/jzchowic  
Buckleusktforce1.word

TRW SEAT BELT BUCKLE

TASK FORCE ASSIGNMENTS AND RESPONSIBILITIES

			APC, 9-1-333-7284 Need to broadcast procedure details, e.g. insert quickly and firmly, etc.		
13. Other Vehicles Affected -Capture Fire-Protection Firm and Units, e.g. coach, durability	Ed Beggs	WBAGAN@TRW.COM	-BRI contacted PVT Mangan. -Need to broadcast procedure details, e.g. insert quickly and firmly, etc.	6/18	6/18
14. WERS Coordination	Mike Andrus Mike Sullivan	MANDRUS@TRW.COM MSULLIV@TRW.COM DAVE.HENNESSEY@TRW.COM	-Will coordinate program for all buckles affected. -Engineers per carline identified. -Generate specs for all CE's, have been reviewed and approved. -Mike Sullivan to report out next week. -Dan Nelson collecting help for coordination. - <b>NEED UPDATE</b>	6/25	7/2
15. Statistical Analysis of Parts Returned from Field Fleets and Best Suppliers	Gordon Richie Jan McGowan	GORRICH@TRW.COM JAN.MCGOWAN@TRW.COM	Charts supplied on 6/18. Charts to commence on 6/18.	6/23	TBD
17. STA to evaluate RASH review	Ed Lee	ELLEE@TRW.COM	-Required as part of Frontal Accident Closure procedure. - <b>Final Review Meeting Scheduled for 7/24.</b> - <b>NEED UPDATE</b>	6/25	TBD
18. Complete analysis on Nishiki car to see if suspension regarding different failure rates associated with weeks 18 through 24 can be supported.	Charlie Shelton	Charlie.shelton@trw.com	- <b>NEED UPDATE</b>	6/29	
19. Get data from all vehicles impacted at Jovana (Deacon to contact JJ) done	Ed Polisar	Ed.polisar@trw.com	- <b>NEED UPDATE</b>	6/29	
20. Complete replacement parts for JD vehicles and estimate parts with regard to part count	Ed Polisar	Ed.polisar@trw.com	- <b>NEED UPDATE</b>	6/29	
21. Provide an updated data list with all VWV suppliers at the assembly plant to support the analysis from 18, 19, and 20 above.	Charlie Shelton	Charlie.shelton@trw.com	- <b>NEED UPDATE</b>	6/29	
22. Complete gaps reliability paper to demonstrate the accuracy of the gaps and document all studies.	Ed Schlaepf	EDSCHLAF@TRW.COM	Report to include gaps R&R study, documentation of JD inspection, plus plant data, and their recent FISSI data.	6/29	
23. Consolidation of Service Parts Required	Nancy Carter John Stefan	NCAV@TRW.COM JOHN.STEFAN@TRW.COM 954-823-8113 X-2234			

RC004-011 08808

Julie Zychowicz/jzychow  
Buckdataaforce1.word

10:00 am Conf. Call

(1 additional unit)  
near Liberty - Kansas City  
no details on failure mode  
- found using alert sort.

~ (STAP PUT)

TRW Rep @ KCAP in Transit  
- good -

TWIN CITIES PORT -

124012 Build Date.  
- unusual part from stock, no crash  
evidence.

TRW - Sub Assembly  
5000 pc checked  
100000 Component, checked  
- Based on Sort Data

Sub Assembly - Spung into Push  
Buttons.

Process Inspection @ Security Plastic

BIZ 10741

10,000 pcs - no cracked part.

Thru Rep. on site @ Security

Plastics

Samples @ 26 mile mile for Material Analysis.

PC on molding machine - Very unchanged.

(Trim. Cilia not checked)

Can  
let  
no problem  
Bridge

Failed  
4/25  
run by

7 Samples - Unflush about 1 min - no issue - 800 units inspected.

Conf. of Sort.

Qual. Manager  
Bochs Plants

Dwight Hodge

5 insertions slowly 4th come out 5th OK.

76000 pcs  
with  
failure

PASS SORT - CAN UNITS BE SHIPPED.  
12 claims on Range - for Latching.

TC - 1069 UNITS INSPECTED XL  
1 - FALSE CAPCH NO CRACK

L design 700 units  
norfolk 1100 units 2200 parts

CTP - 800 - 1600  
Kc - 500 e

BIZ 18742

Clean Cut-off from TNU.

Extra Operator

Green Dot on Boxes with Certified Stock

- Spring Alignment on Push Buttons

TNU DFMEA'S.

Visual Check for Crack

- Stone insertion Check.

- TNU Alert

A11226007 - Saw Alert.

Open the gates based on certified stock additional inspections.

- Discussion on Containment Cost table - Review with purchasing - Plans to keep track of costs.

Full Management Alert Stop Ship

KC  
- Push Buttons not  
Properly  
needs further  
review

BUZ 18743

Meeting Minutes

5/10/01

They only way of latch spring to push button

Spring is last piece to be installed prior to  
buckle Some Weld.

on line @ TRW

~ 100% visual only - Push Button Budge for  
Crash.

min/max machine - Now checking manually

Certified Stock in Seat Plants

~~Thursday & Friday~~

Next week new parts to Seat Suppliers  
will be certified stock.

All other stock in plants certified

Bill - need to understand how pushbutton is  
installed in equipment.

all PN96 Seat Belt Warranty Returns. For  
1 month (Mandatory Return on Parts)

- No warranty spike on latching issue.

BUZ 18773

# BUCKLES TO TRW

5/31

"WILL NOT LATCH" OR "COMES UNLATCHED"

## 3 BUCKLES "WILL NOT LATCH"

2 IFMRU17L22L [REDACTED] } LATCH APPEARS TO  
IFMPU16L32L [REDACTED] } BE STUCK IN THE  
DOWN OR LATCHED  
POSITION

1 - IFMAU8LX2L [REDACTED] } LATCH APPEARED, SIMILAR  
TO ABOVE 2, BUT  
PUSHING DOWN & <sup>PUTTING</sup> TONGUE  
IN SEVERAL TIMES,  
RELEASED THE LATCH &  
NOW IS FUNCTIONING  
PROPERLY.

## 1 BUCKLE "COMES UNLATCHED"

IFMPU16LX1L [REDACTED] (BX IS HIGHLIGHTED)

PART TAKEN IN FOR RECALL ⇒ PART PASSED.

NEW OWNER STATED THE BUCKLE COMES UNLATCHED.

- DUPLICATED ISSUE WITH NORMAL TONGUE WITH SLOW INSERTION.
- DID NOT PASS WITH TOOL.
- DATE CODE IS WITHIN RECALLED PARTS.
- QUESTION WHETHER FAILURE OCCURRED OVER TIME. E.G. BRIDGE CRACK PROPAGATED?

\* NEED

TEAR-DOWN ANALYSIS PERFORMED WITH  
ROOT CAUSE IDENTIFIED (IF POSSIBLE)



	1	2	3	4
<del>1898</del>				
1518			L	
1499			L	
* (1378)	L	L	L	⊙
0840				R
<del>0836</del>			R	
1087	L			
* 0624	L	L	L	L
* 0982	L	L	L	L
* 9328	L	L	L	L
<del>9316</del>			L	
* 1028	L	L	L	L
6609				R
* (0529)	L R	L R	L O	L R
0715	(L)			
8945				R
* 0558	L	L	L	L
* 0552	L	L	L	L R
9542			R	
* 0526	L	L	L	L
* 0350	L	L	L	L
* (0305)	L	L	L	⊙
* 0331	L	L	R L	L
* (9546)	L	⊙	⊙	L
14	17	13	12	11
	(16)	(16)	(16)	(15)

757-494-2363

- ① - 12 buckle
- ② - 1 buckle
- ③ - 3 buckle
- 4 - 10 buckle

26 - Buckles called  
'bud' by at least  
1 person.

BIZ 18777



75675

14D

Kim  
304-384226  
ASSISTANT  
MGR

June 24

JIM HOOVER

SUBJECT

NEED HELP

- FINANCIALS

BUCKET

SERVICE PROCEDURE  
INSPECTION

Bob HUNTER

PHILIP

WERS  
COORDINATOR

- MIKE ANDERSON ✓

③ EXHIBIT

LOAD +

③ CLERKS ??

- Paul  
- Jim  
- Jim

RAM?

WERS  
ASSISTANT

- Funding  
STA

QUALITY SERVICES

What are we

trying to do

MARY

VOICER

PROCESS PROCEDURE  
OVERVIEW

TOM FARRELL

\* TASK: MISSON ANYTHING

Pre-production on SST?

① Buckle Inspection Procedure

Check

ABE PHILIP

No Kowalski WRTS

A PHILIP 5941134

② WEBS Coordination for all calls Reo's

MARSHALL 323-487

MIKE ANDRUS

ALICE SULLIVAN Room 2 323160

Paul Jim Calaver Jim Andrus Leo Lewis

③ Follow-up on STAY OUTSIDE Press Office

MARY VOELKE

- Closely related to Design Verification? - make in the future?

BILL LEE

④ PROCESS PROCEEDURE re. from 5 DAY LETTER ON SEPERATE MTG. TIME on FRIDAY 2:30 PM

STEVEN... GREG... ROY

3/24/86

MISSED ANYTHING?

⑤ USA Stack-up?

Fast Curve... DRIP... DIV

~~... the reviewed~~

⑥ Another High Issue

Specific? ... to ...

~~... The ...~~

- ASSIGNMENT -

AT A GLANCE ALL NEW ACTION'S ITEMS ONLY

4:00 - (Sensor Cal Process Agreement) -

(Tech Review) - (App. to Eagan)

---

INISD BRIDGE ISSUE

TRW - JIM MCGONON

LOADING ISSUES

PN96 2-94 - LATCH ISSUES

PNISD 7-32 - (DEFINING LATCH SPRING)  
RANDOM PART ANALYSIS

BRIDGE CRACKING

SPRING - GERMAN SUPPLIER

- CHIME SWITCH

NORFOLK ISSUE AND 30 TO TECH  
REVIEW.

DLZ 18748

RQ04-011 09852

[REDACTED]

---

**From:** Clement, Charles (C.A.)  
**Sent:** Friday, June 21, 2002 4:18 PM  
**To:** Robert Ellis; Bill Forbes  
**Cc:** Jack Phillion; Jim McGowan; Jose Dorado; Robert Ellis; Zychowicz, Julie (J.A.)  
**Subject:** FW: Action Items on Buckles



buckleaction.doc (954 KB) REPORTS.doc (107 KB) FERRULES\_FOR  
LINEAS.doc (63 KB)

Bill, in review of the data provided I would like TRW to tear down all the No problem found, Can't Duplicate, retractors as a part of this exploratory investigation. Since specifically the assessment of the noted conditions has yet to be determined. The exploratory investigation should not exclude the 41 or so NPF and CD's. Please advise....

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

**From:** Bill Forbes [mailto:Bill.Forbes@trw.com]  
**Sent:** Friday, June 21, 2002 3:09 PM  
**To:** cclement@ford.com; jaychow@ford.com  
**Cc:** Jack Phillion; Jim McGowan; Jose Dorado; Robert Ellis  
**Subject:** Action Items on Buckles

Julie and Charles,  
Attached are:

1. Reynosa warranty analysis report for 02 YTD
2. Action Plan
3. Retention data for spin rivet vs. old axial rivet

We will update status on all actions on Monday's 3pm meeting. If acceptable, we would like to conference in. Let us know if you feel representation at Dearborn is needed. Also let us know if we have missed any actions.

Of the three additional buckles returned today, one was part of the first four reviewed with Julie and Jim Downs yesterday. One was built in week 2 of '01 and fails the gauge (Rob will do an analysis on this one). The other was similar to the first four and was built in week 33.

Bill Forbes  
TRW OSS Product Assurance Manager  
(586)781-8085 Phone  
(586)781-8010 Fax

**RNS4-G Action Item Matrix**  
Updated 6/21/02

Action	Description	Responsible	Date	Comments
Warranty Data Analysis	Provide breakdown of returns since week 22, '01 by verbatim (unlatch, unlatches while driving) and carline	Johnson	6/24/02	
	Provide breakdown of returns since week 22, '01 by verbatim, buckle PN and type (cable, strap, web)	Johnson	6/26/02	
	Confirm that TRW is Receiving 100% Returns	Johnson	6/28/02	Need to work with warranty return center
	Confirm end-item PNs for warranty review	Dorado	6/24/02	
	Provide Ford with teardown procedure and standard form used	Dorado	Complete	Emailed 6/20
	Provide summary of all MexOps warranty return analysis YTD for global buckles.	Dorado	Complete	Emailed 6/12- Note that 114 buckles received in May, none prior for '02
	Cross-reference ECI VIN list to MexOps warranty return analysis records	Dorado	6/24/02	
ECI Part Analysis	Perform detailed dimensional analysis of 1 returned part at 26 Mills	Ellis	6/24/02	
	Return two parts to Reynosa for evaluation/inspection	Ellis	Complete	Received 6/21
On-Line Test Evaluation	Review two returned ECI parts and compare to current production off all buckle lines	Dorado	6/24/02	
	Run two returned ECI parts through current production checks and fixtures. Do not teardown beyond cover removal. Document condition before/after cover removal then run on-line checks. Report results	Dorado	6/24/02	
On-line Rejects	Provide explanation of drop in end-of-line rejects in the late July, early August '01 timeframe	Dorado	Complete	Explanation forwarded via email

Proprietary & Confidential

**RNS4-G Action Item Matrix**  
Updated 6/21/02

				6/20/02
Spin Rivet Change	Provide capability data, comparing old rivet vs. new rivet configuration for retention and rivet control.	Donado	6/21/02	
	Provide VSA reports and analysis comparing new revision latch guide/rivets vs. older model styled rivets	Ellis	6/24/02	
Production Controls	Verify all on-line checks are still in place. Provide history of changes to buckle and checks.	Donado	Complete	Reynosa QIP forwarded, including summary of changes
Production Data Analysis	Review production traceability records for the 4 suspect dates (431011, 435011, 333013 and 344011), including any maintenance, PM, tool changes or other concerns.	Donado	6/24/02	
Timeline	Provide timeline, consisting of an overlay of end-of-line reject plot and changes. Changes to include components, processes, on-line checks & containment inspections.	Donado	6/25/02	

RC04-011 09017

July '01

Proprietary & Confidential

### RNS4-G Action Item Matrix Updated 6/21/02

Action	Description	Responsible	Date	Comments
Warranty Data Analysis	Provide breakdown of returns since week 22, '01 by verbatim (unlatch, unlatches while driving) and carline	Johnson	6/24/02	
	Provide breakdown of returns since week 22, '01 by verbatim, buckle PN and type (cable, strap, web)	Johnson	6/28/02	
	Confirm that TRW is Receiving 100% Returns	Johnson	6/28/02	Need to work with warranty return center
	Confirm end-item PNs for warranty review	Dorado	6/24/02	
	Provide Ford with teardown procedure and standard form used	Dorado	Complete	Emailed 6/20
	Provide summary of all MexOps warranty return analysis YTD for global buckles.	Dorado	Complete	Emailed 6/12- Note that 114 buckles received in Mex. none prior for '02 (14)
	Cross-reference ECI VIN list to MexOps warranty return analysis records	Dorado	6/24/02	
ECI Part Analysis	Perform detailed dimensional analysis of 1 returned part at 26 Mile	Ellis	6/24/02	
	Return two parts to Reynosa for evaluation/inspection	Ellis	Complete	Received 6/21
On-Line Test Evaluation	Review two returned ECI parts and compare to current production off all buckle lines	Dorado	6/24/02	
	Run two returned ECI parts through current production checks and fixtures. Do not teardown beyond cover removal. Document condition before/after cover removal then run on-line checks. Report results	Dorado	6/24/02	
On-line Rejects	Provide explanation of drop in end-of-line rejects in the late July, early August '01 timeframe	Dorado	Complete	Explanation forwarded via email

58 ECI  
 - 2 CLAIMS  
 ALL VEHICLE LINES  
 W/L ATTACKS  
 (11)  
 100 ECI

NO CAPTIVE CUSTOMERS!  
 MAKE SURE

RNS4-G Action Item Matrix

Updated 6/21/02

				6/20/02
Spin Rivet Change	Provide capability data, comparing old rivet vs. new rivet configuration for retention and rivet control.	Dorado	6/21/02	
	Provide VSA reports and analysis comparing new revision latch guide/rivets vs. older axial staked rivets.	Ellis	6/24/02	
Production Controls	Verify all on-line checks are still in place. Provide history of changes to buckle and checks.	Dorado	Complete	Reynosa QIP forwarded, including summary of changes
Production Data Analysis	Review production traceability records for the 4 suspect dates (431011, 435011, 333013 and 344011) including any maintenance, PM, tool changes or other concerns.	Dorado	6/24/02	
Timeline	Provide timeline, consisting of an overlay of end-of-line reject plot and changes. Changes to include components, processes, on-line checks & containment inspections.	Dorado	6/25/02	

-47  
 -39  
 -47  
 -39



**2002 MY**  
**Vehicles Not Affected by 01S21**

2002 Model Year	Build Date Range	Won't Latch			Won't Stay Latched			Unlatches/Releases			Unlatches While Driving		
		AWS	CSIS	VOC	AWS	CSIS	VOC	AWS	CSIS	VOC	AWS	CSIS	VOC
Expedition/Navigator		34	0	0	15	0	0	20	3	0	10	0	0
F150		48	1	0	9	0	0	11	0	0	13	0	0
F250-F350		68	2	0	8	0	0	3	1	0	8	0	0
Excursion		13	0	0	4	0	0	3	0	0	1	0	0
Ranger		34	1	0	4	0	0	4	0	0	0	0	0
Windstar		12	1	0	0	0	0	0	0	0	0	0	0
Crown Vic/Grand Marq		32	0	0	2	1	0	5	0	0	3	0	0
Town Car		17	0	0	0	1	0	0	0	0	0	0	0

Comments:

**2001 MY**  
**Vehicles Not Affected by 01S21 (Production Clean Dates)**

2001 Model Year	Build Date Range	Won't Latch			Won't Stay Latched			Unlatches/Releases			Unlatches While Driving		
		AWS	CSIS	VOC	AWS	CSIS	VOC	AWS	CSIS	VOC	AWS	CSIS	VOC
Expedition/Navigator	> 5-31-01	48	0	0	3	0	0	8	0	0	2	0	0
F150		125	0	0	11	0	0	7	0	0	6	0	0
F250-F350		48	0	0	10	1	0	8	0	0	3	0	0
Excursion	> 10-03-00	33	0	0	33	0	0	19	0	0	15	0	0
Ranger	TC > 5-30-01 Ed > 5-28-01	52	1	0	11	0	0	3	1	0	0	0	0
Windstar	> 5-29-01	11	0	0	1	0	0	0	0	0	0	0	0
Crown Vic/Grand Marq	> 5-29-01	37	0	0	3	1	0	2	0	0	0	0	0
Town Car	> 5-29-01	13	0	0	5	0	0	0	0	0	0	0	0

Comments:



**SUMMARY OF ENGINEERING CHANGES & ACTION PLAN  
GLOBAL BUCKLES**

DESIGN PROCESS	ENGINEERING CHANGE DESCRIPTION	TARGET DATE FOR IMPLEMENTATION	STATUS
Design	Redesign of latch wedge position on base to provide proper alignment between top and base	6/02/2001 thru 7/12/01	Complete
Design	Redesign of latch wedge position on base to provide proper alignment between top and base	9/25/01	Complete
Design	Redesign of latch wedge position on base to provide proper alignment between top and base	5/02/2001 thru 6/10/01	Complete
Design	Redesign of latch wedge position on base to provide proper alignment between top and base	10/29/01 thru 11/29/01	Complete
Design	Redesign of latch wedge position on base to provide proper alignment between top and base	1/15/02	Complete
Design	Redesign of latch wedge position on base to provide proper alignment between top and base	1/15/02	Complete
Design	Redesign of latch wedge position on base to provide proper alignment between top and base	1/15/02	Complete
Design	Redesign of latch wedge position on base to provide proper alignment between top and base	1/15/02	Complete
Design	Redesign of latch wedge position on base to provide proper alignment between top and base	1/15/02	Complete
Design	Redesign of latch wedge position on base to provide proper alignment between top and base	1/15/02	Complete

ALWAYS USE PROSS ...

UPDATE ANALYSIS ...

# 10-12 ...

- ① 11-22-72 ...
- ② 11-23-72 ...
- ③ 11-24-72 ...
- ④ 11-25-72 ...
- ⑤ 11-26-72 ...
- ⑥ 11-27-72 ...

- ① 11-22-72 ...
- ② 11-23-72 ...
- ③ 11-24-72 ...
- ④ 11-25-72 ...
- ⑤ 11-26-72 ...
- ⑥ 11-27-72 ...

485

485

51934

#s 10-12 AWAITING FULL VINT  
FROM Mex/OPS. I WILL  
FORWARD OPEN RECEIPT.

TWX  
/

### RNS-4G Warranty Return Teardown Analysis

VIN #	2001 F-150		2001 F-350		2001 F-350		2001 Navigator	
	Pre W22	Post W22	Pre W22	Post W22	Pre W22	Post W22	Pre W22	Post W22
1PTRP17W71N	Partial Latch							
1FTZF17291M	Partial Latch							
2FTZF07351C	Chemical							
1FTZF17291M	No Problem							
3FTZF17291M	Contamination							
1FTZF17211M	Partial Latch							
1FTZF17201M	Partial Latch	Contamination						
3FTZF17261M	Partial Latch							
1PTRF07L51K	Partial Latch							
1FTZF07241K	No Problem							
3FTZF07241K	Partial Latch							
3FTNF21F21N			Partial Latch					
1FTSW31F91E					No Problem			
1FTWW33F51L					Partial Latch			
SLMFU26R71L							Partial Latch	
SLMFU26R51L							Partial Latch	

VIN #	2001 Expedition		2001 Winster		2001 Towncar	
	Pre W22	Post W22	Pre W22	Post W22	Pre W22	Post W22
1PMRU18L11L	Partial Latch					
2FMZA514X1E				No Problem		
2FMZA50401E			Partial Latch			
1LNFM84W81					No Problem	
1LNFM81WB1						Contamination

VIN #	2002 Expedition		2002 Excursion	
	Pre W22	Post W22	Pre W22	Post W22
1PMRU18W81L	Partial Latch			
1PMRU15W82L		No Problem		
1LNFM84W81				
1LNFM81WB1				

**RNS-4G Warranty Return Teardown Analysis**

~~Report of Public Hearing on the RNS-4G~~

R004-011 10899

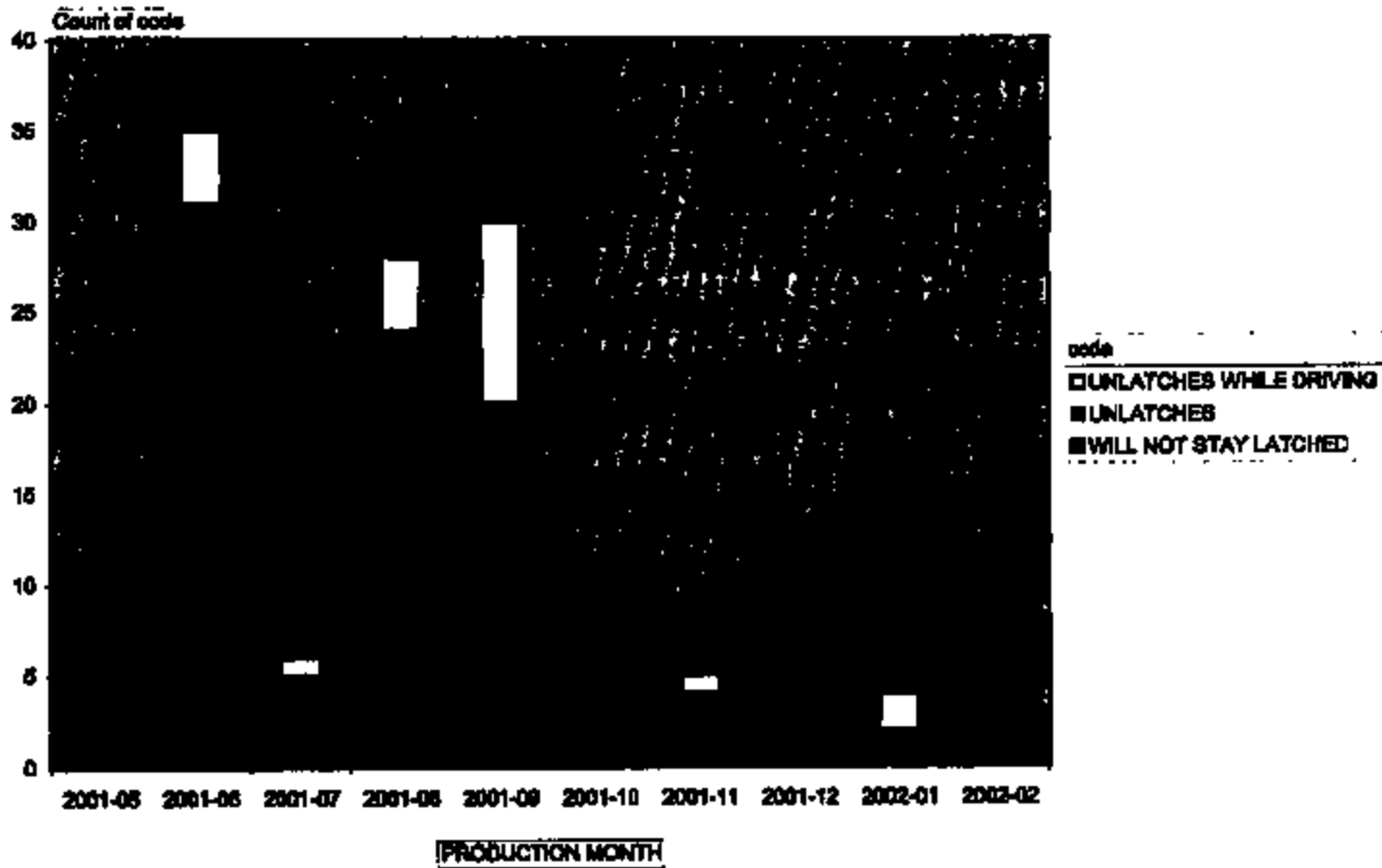


### RNS-4G Warranty Return Teardown Analysis

VIN #	2007 Ranger		2007 F-150		2007 F-350		2007 Expedition	
	Pre W22	Post W22	Pre W22	Post W22	Pre W22	Post W22	Pre W22	Post W22
1FTZR18EX1	Partial Latch							
2FTFD07L510			Contamination					
3FTZF18281M			No Problem					
1FTRW07W81			No Problem					
3FTRF17W21			No Problem					
1PT8Q3T801E					Partial Latch			
1FMRD18L91							Corrosive Sube.	
1FMRU10W81							Partial Latch	
1FMRU10W11							Partial Latch	
1FMPU18L51U							Partial Latch	
1FMPU18L41U							Contamination	
1FMPU18L81U							Partial Latch	

VIN #	2002 Expedition		2002 Navigator	
	Pre W22	Post W22	Pre W22	Post W22
1FMRU10W21		Contamination		
1FMRU18L41U		Contamination		
1FMRU18L81U				Contamination

Subjects on subject's subject investigation, etc.



PC04-011 10598





Count of code	code	
PRODUCTION MONTH	WILL NOT STAY LATCHED	UNLATCHES
2001-06	3	1
2001-06	22	9
2001-07	3	
2001-08	17	7
2001-08	11	9
2001-10	5	2
2001-11	2	2
2001-12	2	
2002-01	2	
2002-02	1	
Grand Total	70	30





UNLATCHES WHILE DRIVING	Grand Total
	4
4	36
1	6
4	28
10	30
	7
1	5
	2
2	4
	1
22	122

**2001 MY Seatbelt Buckle Analysis**  
**01S21 Buckle Inspection** - buckle inspected and replaced at a later date

2001 Model Year	Build Date Range	Won't Latch			Won't Stay Latched			Unlatches/Releases			Unlatches While Driving		
		AWS	COS	VOG	AWS	COS	VOG	AWS	COS	VOG	AWS	COS	VOG
Expedition/Navigator	4/1/00 - 6/31/01	74	5	0	17	2	0	37	4	0	27	2	0
F150	NAP 4/1/00 - 6/30/01												
	KD 8/1/00 - 6/30/01	44	3	0	11	0	0	14	2	0	2	2	0
	OTF 8/1/00 - 6/30/01												
F250-F350	Cam 5/1/00 - 6/30/01												
	KTP 4/1/00 - 6/27/01	66	2	0	75	2	0	67	0	0	46	2	0
Excursion	Cam 5/1/00 - 6/19/01												
	4/17/00 - 10/06/00	7	0	0	7	0	0	14	0	0	5	0	0
Ranger	TC 3/28/00 - 6/30/01												
	Ed 3/1/00 - 6/30/01	64	2	0	24	2	0	34	0	0	13	0	0
Windstar	3/23/00 - 6/30/01	69	1	0	11	0	0	30	0	0	7	0	0
Crown Vic/Grand Marq	4/17/00 - 6/28/01	57	1	0	8	1	0	20	1	0	4	1	0
Town Car	3/27/00 - 6/30/01	63	0	0	18	1	0	19	0	0	10	0	0
	<b>Total</b>	<b>444</b>	<b>14</b>	<b>0</b>	<b>171</b>	<b>8</b>	<b>0</b>	<b>235</b>	<b>7</b>	<b>0</b>	<b>114</b>	<b>7</b>	<b>0</b>

**2001 MY Seatbelt Buckle Analysis**  
**01S21 Buckle Replacement** - buckle replaced under recall and replaced again at a later date

2001 Model Year	Build Date Range	Won't Latch			Won't Stay Latched			Unlatches/Releases			Unlatches While Driving		
		AWS	COS	VOG	AWS	COS	VOG	AWS	COS	VOG	AWS	COS	VOG
Expedition/Navigator	4/1/00 - 6/31/01	37	3	0	5	0	0	2	0	0	2	0	0
F150	NAP 4/1/00 - 6/30/01												
	KD 8/1/00 - 6/30/01	5	1	0	0	0	0	0	0	0	0	3	0
	OTF 8/1/00 - 6/30/01												
F250-F350	Cam 5/1/00 - 6/30/01												
	KTP 4/1/00 - 6/27/01	20	1	0	5	0	0	11	0	0	7	1	0
Excursion	Cam 5/1/00 - 6/19/01												
	4/17/00 - 10/06/00	3	0	0	0	0	0	5	0	0	0	0	0
Ranger	TC 3/28/00 - 6/30/01												
	Ed 3/1/00 - 6/30/01	0	0	0	0	0	0	0	0	0	0	0	0
Windstar	3/23/00 - 6/30/01	14	1	0	2	0	0	3	0	0	2	0	0
Crown Vic/Grand Marq	4/17/00 - 6/28/01	23	0	0	2	2	0	0	0	0	0	0	0
Town Car	3/27/00 - 6/30/01	19	0	0	5	0	0	2	0	0	2	0	0
	<b>Total</b>	<b>124</b>	<b>6</b>	<b>0</b>	<b>23</b>	<b>2</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>4</b>	<b>0</b>