INFORMATION Redacted PURSUANT TO THE FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552(B)(6)

PE12-025

FORD

11/9/2012

APPENDIX B

2005 through 2008 model year Ford Crown Victoria Police Interceptor Separation of the upper intermediate shaft from the steering column

OWNER REPORTS

As the agency is aware, within FCSD's North American Customer Service Operations, there is a Customer Relationship Center (CRC) that is responsible for facilitating communication between customers, dealerships and Ford Motor Company. Among other things, the CRC handles telephonic, electronic, and written inquiries, suggestions, informational requests, and concerns ("contacts") from Ford and Lincoln-Mercury vehicle owners about their vehicles or sales and service experience. The contacts are handled by CRC customer service representatives who enter a summary of the customer contact into a database known as CuDL (Customer Data Link). Certain contacts, such as letters from customers, are entered into the CuDL database. Those that were entered into the earlier MORS II system were also microfilmed. More recently, the records in MORS III/CuDL are imaged and stored electronically.

The CRC assigns to each vehicle-related contact report a "symptom code" or category that generally characterizes the nature of the customer contact or vehicle concern, as described by the owner. The CRC does not undertake to confirm the accuracy of the description provided by the owner; they simply record what is reported. Therefore, given the complexity of the modern motor vehicle, it is Ford's experience that a significant percentage of owner contacts do not contain sufficient information to make a technical assessment of the condition of the vehicle or the cause of the event reported. Accordingly, although MORS contact reports may be useful in identifying potential problems and trends, the records are not the empirical equivalent of confirmed incidents and/or dealership's diagnosis. In the interest of responding promptly to this inquiry, Ford has not undertaken to gather the electronic images related to these contacts because of the largely duplicative nature of the information contained in the images, as well as the time and the burden associated with locating and producing those documents. The pertinent information related to those contacts generally would be included in the contact reports obtained from the CuDL system. To the extent that those documents exist, they are characterized in the comments of MORS III contact reports. Upon request, Ford will attempt to locate any specific items that are of interest to the agency.

In responding to this information request, Ford electronically searched CuDL using the following criteria:

Model Year: 2005 through 2008

<u>Subject Vehicle</u>: Ford Crown Victoria Police Interceptor manufactured for sale or lease in the United States, District of Columbia, Puerto Rico, Northern Mariana Islands, Guam, American Samoa and the Virgin Islands.

Date Parameters: January 1, 2004 through September 21, 2012

Types of Contacts: All, including suspended data, canceled contacts and inquiries

MORS III Symptom Code(s):

	Symptom	
Symptom Category	Code	Symptom Description
Steering/Handling	303000	
Steering/Handling	3031*	Function
Steering/Handling	3032*	Pull/Drift
Steering/Handling	3033*	Vibration/Shimmy
Steering/Handling	3034*	Noise
Steering/Handling	3035*	Steering Column
Steering/Handling	303600	Fluid Concerns
Steering/Handling	303999	Not Listed
Steering/Handling	303A00	Steering Wheel

MORS III Reason Code(s):

Reason Code		Description
07	Legal Contacts	·

LEGAL CONTACTS

Beginning in early 2008, most consumer complaints and all legal claim processing has been centralized in OGC within the Consumer Litigation team. A transition has occurred such that all legal contacts (including those formerly handled by "Litigation Prevention") are coordinated through this team.

Prior to the transition, there was a Consumer Affairs Department within FCSD that managed customer concerns, which could not be resolved by the Customer Relationship Center (CRC). Among other things, the Consumer Affairs Department had a section, known as "Litigation Prevention," that handled a variety of informal (i.e., non-litigation) claims, such as property damage claims or attorney demand claims.

The Litigation Prevention section had been centralized in the Consumer Affairs Department since 1995, in Dearborn, Michigan. Prior to that time, Litigation Prevention personnel operated on a regional basis. For matters that the Litigation Prevention section handled, there were typically paper files that reflected the handling, investigation and resolution of property damage claims.

The claims, known as "Legal Contacts" are entered into the CuDL database that the CRC uses to enter other customer communications. When a customer contact is designated as a Legal Contact, it is so indicated near the top of the contact report.

FIELD REPORTS

Within FCSD, there is a Vehicle Service & Programs Office that has overall responsibility for vehicle service and technical support activities, including the administration of field actions. That Office is the primary source within Ford of vehicle concern information originating from Ford and Lincoln-Mercury dealerships, field personnel, and other sources. The information is maintained in a database known as the Common Quality Indicator System (CQIS). The CQIS database includes reports compiled from more than 40 Company sources (e.g., Company-owned vehicle surveys, service technicians, field service and quality engineers, and technical

hot line reports, etc.) providing what is intended to be a comprehensive concern identification resource. As with MORS contact reports, CQIS reports are assigned a "symptom code" or category that generally reflects the nature of the concern.

In responding to this information request, Ford electronically searched CQIS using the following criteria:

In July 2011, FCSD launched a new coding system for the CQIS database. All reports maintained in the CQIS database prior to the coding change have been re-coded using the new CQIS coding system.

Model Year: 2005 through 2008

<u>Subject Vehicle</u>: Ford Crown Victoria Police Interceptor manufactured for sale or lease in the United States, District of Columbia, Puerto Rico, Northern Mariana Islands, Guam, American Samoa and the Virgin Islands.

<u>Date Parameters</u>: January 1, 2004 through September 21, 2012

Symptom Code(s):

	Symptom	
Symptom Category	Code	Symptom Description
Stop/Steer/Ride	662000	Steering/Steering Wheel, OTHER, OTHER
Stop/Steer/Ride	662100	Steering/Steering Wheel, Tilt/Telescope, OTHER
Stop/Steer/Ride	662138	Steering/Steering Wheel, Tilt/Telescope, Inoperative
Stop/Steer/Ride	662142	Steering/Steering Wheel, Tilt/Telescope,
·		Loose/Attachment
Stop/Steer/Ride	6622*	Steering/Steering Wheel, Appearance/Clear Vision
Stop/Steer/Ride	6623*	Steering/Steering Wheel, Feel/Wander/Pull
Stop/Steer/Ride	6624*	Steering/Steering Wheel, Performance
Stop/Steer/Ride	662Z00	Steering/Steering Wheel, Not Listed, OTHER
Stop/Steer/Ride	6682*	Noise, Steering
Stop/Steer/Ride	6692*	Vibration, Steering
Stop/Steer/Ride	6693*	Vibration, Front
Stop/Steer/Ride	666100	Fluids, Steering, OTHER

OASIS MESSAGES

FCSD is responsible for communicating a variety of vehicle and service information, such as warranty information for up to the past 360 days, Extended Service Plan part coverage information, and technical repair information, to North American Ford and Lincoln-Mercury dealers. This information is communicated primarily through OASIS, which serves as an electronic link between Ford Motor Company and the dealers. OASIS covers all North American Ford and Lincoln-Mercury cars and light trucks, and medium and heavy-duty Ford trucks, for the ten most current model years. Technical diagnostic and repair information on OASIS is contained in Special Service Messages (SSMs) and Technical Service Bulletin (TSBs) titles and brief summaries. It should be noted that dealers cannot access brief summaries.

SSMs and TSB titles are coded in OASIS by model year and vehicle line, and may be coded to other specific vehicle attributes (body style, engine code, or vehicle identification number)

and one or more OASIS Service Code(s). The dealers with access to OASIS usually search for information on the database by entering a VIN and the applicable Service Codes. SSMs and TSB titles that become inactive or superseded continue to be accessible by Ford employees, but no longer are accessible by the dealers. Dealers also are able to determine the recalls applicable to a particular vehicle by searching a particular VIN in OASIS. Recall information available on OASIS cannot be searched by Service Codes.

In July 2011, FCSD launched a new coding system for OASIS. All active SSMs and TSB titles have been re-coded using the new OASIS coding system. All inactive and superceded SSMs and TSB titles are still maintained under the old coding system.

In responding to this information request, Ford searched Global OASIS using both the new and old OASIS service codes for active, inactive, and superceded TSB titles and SSMs using the following search criteria:

Model Year: 2005 through 2008

<u>Subject Vehicle</u>: Ford Crown Victoria Police Interceptor manufactured for sale or lease in the United States, District of Columbia, Puerto Rico, Northern Mariana Islands, Guam, American Samoa and the Virgin Islands.

<u>Date Parameters</u>: January 1, 2004 through September 21, 2012

OASIS Service Code(s):

Old Codes

	Symptom	
Symptom Category	Code	Symptom Description
Steering/Handling	303000	
Steering/Handling	3031*	Function
Steering/Handling	3032*	Pull/Drift
Steering/Handling	3033*	Vibration/Shimmy
Steering/Handling	3034*	Noise
Steering/Handling	3035*	Steering Column
Steering/Handling	303600	Fluid Concerns
Steering/Handling	303999	Not Listed
Steering/Handling	303A00	Steering Wheel

New Codes

	Symptom	
Symptom Category	Code	Symptom Description
Stop/Steer/Ride	662000	Steering/Steering Wheel, OTHER, OTHER
Stop/Steer/Ride	662100	Steering/Steering Wheel, Tilt/Telescope, OTHER
Stop/Steer/Ride	662138	Steering/Steering Wheel, Tilt/Telescope, Inoperative
Stop/Steer/Ride	662142	Steering/Steering Wheel, Tilt/Telescope,
-		Loose/Attachment
Stop/Steer/Ride	6622*	Steering/Steering Wheel, Appearance/Clear Vision
Stop/Steer/Ride	6623*	Steering/Steering Wheel, Feel/Wander/Pull
Stop/Steer/Ride	6624*	Steering/Steering Wheel, Performance
Stop/Steer/Ride	662Z00	Steering/Steering Wheel, Not Listed, OTHER
Stop/Steer/Ride	6682*	Noise, Steering
Stop/Steer/Ride	6692*	Vibration, Steering

Stop/Steer/Ride	6693*	Vibration, Front
Stop/Steer/Ride	666100	Fluids, Steering, OTHER

OASIS 2 and Global OASIS are not capable of performing electronic word searches, so the search results are reviewed manually to determine their applicability to the alleged defect in the subject vehicles.

The OASIS database also contains Broadcast Messages. Typically, these messages are directed to all dealerships and either are notifications of new SSMs/TSBs, or announcements with non-technical information (for example, "the Dealer Hotline will be closed today"). Broadcast Messages cannot be searched by OASIS service codes, and can be retrieved only while active (approximately 2 to 4 days). Ford has not undertaken to search for Broadcast Messages because Ford expects that any responsive information obtained with such a search generally would be non-substantive in nature or duplicative of the information obtained with the TSB title and SSM search described above.

INTERNAL SERVICE MESSAGES

FCSD, as part of its technical support activities, maintains fleet and technical telephone "hotlines." During the early stages of Ford's efforts to identify and resolve potential vehicle concerns, hotline personnel may draft Internal Service Messages (ISMs) on CQIS for their internal use. The ISMs are assigned a CQIS "symptom code" or category that generally reflects the nature of the concern. An ISM can form the basis for an oral response over the technical hotline to an inquiry from an individual dealer or fleet technician. The ISMs, however, are not made available electronically to fleets and dealers. Therefore, although ISMs are not "issued" to dealers like OASIS messages, Ford is construing this request broadly to include ISMs that may be related to the alleged defect in the subject vehicles.

In responding to this information request, Ford searched CQIS for active ISMs using the following search criteria:

Model Year: 2005 through 2008

<u>Subject Vehicle</u>: Ford Crown Victoria Police Interceptor manufactured for sale or lease in the United States, District of Columbia, Puerto Rico, Northern Mariana Islands, Guam, American Samoa and the Virgin Islands.

Date Parameters: January 1, 2004 through September 21, 2012

CQIS Symptom Code(s):

	Symptom	
Symptom Category	Code	Symptom Description
Stop/Steer/Ride	662000	Steering/Steering Wheel, OTHER, OTHER
Stop/Steer/Ride	662100	Steering/Steering Wheel, Tilt/Telescope, OTHER
Stop/Steer/Ride	662138	Steering/Steering Wheel, Tilt/Telescope, Inoperative
Stop/Steer/Ride	662142	Steering/Steering Wheel, Tilt/Telescope,
		Loose/Attachment
Stop/Steer/Ride	6622*	Steering/Steering Wheel, Appearance/Clear Vision
Stop/Steer/Ride	6623*	Steering/Steering Wheel, Feel/Wander/Pull
Stop/Steer/Ride	6624*	Steering/Steering Wheel, Performance
Stop/Steer/Ride	662Z00	Steering/Steering Wheel, Not Listed, OTHER

Stop/Steer/Ride	6682*	Noise, Steering
Stop/Steer/Ride	6692*	Vibration, Steering
Stop/Steer/Ride	6693*	Vibration, Front
Stop/Steer/Ride	666100	Fluids, Steering, OTHER

The CQIS database in which the ISMs reside is not capable of performing word searches, so the search results were reviewed manually to determine their applicability to the alleged defect in the subject vehicles.

FIELD REVIEW COMMITTEE

Ford's Field Review Committee reviews all potential field service actions, including safety recalls and customer satisfaction programs, and recommends appropriate actions to corporate management. A Vehicle Service & Programs representative serves as Secretary to the Field Review Committee. Following approval of a field service action, the Vehicle Service & Programs Office prepares and launches the action. A representative copy of the communication to Ford's dealers, fleets, and regional offices announcing the field service action is maintained in the Field Review Committee files.

WARRANTY

Ford's Analytical Warranty System (AWS) contains warranty claims and vehicle information for model years 1991 and forward for North America, and model years 1992 and forward for Europe.

Ford performed a search of AWS for potentially responsive reports using the following search criteria:

Model Year: 2005 through 2008

<u>Subject Vehicle</u>: Ford Crown Victoria Police Interceptor manufactured for sale or lease in the United States, District of Columbia, Puerto Rico, Northern Mariana Islands, Guam, American Samoa and the Virgin Islands.

Part Number(s):

3C529 – Steering Column

3B676-AA – Lower Intermediate Shaft (service)

3B676-AB – Upper Intermediate Shaft (service)

3F728 – Upper Intermediate Shaft (engineering)

3C662 – Lower Intermediate Shaft (engineering)

3E735 - Boot Assembly - Steering Column

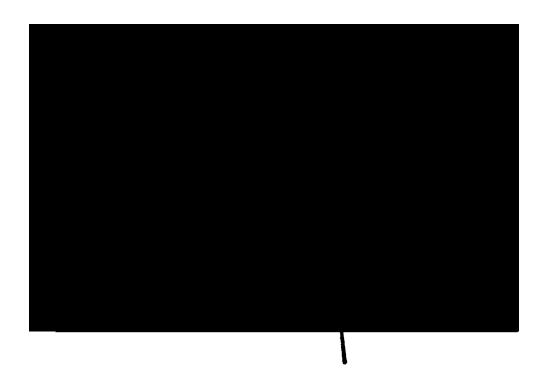
3C611 - Bearing at Dash Panel

Peer Vehicles

All of the search criteria for the 2005 through 2011 model year Ford Crown Victoria vehicles, excluding the subject vehicles, and the 2005 through 2011 model year Mercury Grand Marquis vehicles is identical to the search criteria for the subject 2005 through 2008 model year Ford Crown Victoria Police Interceptor vehicles. For purposes of brevity, it is not repeated.

###

PE12-025 FORD 11/9/2012 APPENDIX D



Malaney, Linda (L.)		
From: Sent: To:	Tuesday, September 11, 2012 1:17 PM Taylor, Alma (A.)	FORD MOTOR COMPANY RECEIVED CLAIMS UNIT
Cc: Subject:	FW: Dealer/Fleet Request for OGC Review	SEP 1.1 2012 OFFICE OF THE GENERAL COUNSE!
	PRIVILEGED & CONFIDENTIAL	
This e-mail may contain privile notify the sender.	eged communications. If you have received it in error, p	lease delete it immediately and
This has been assigned to Ali	ma.	
	Note to Dealer	
DO NOT PUT THE VE	EHICLE IN STORAGE OR PROVIDE LOANERS WITH OFFICE OF THE GENERAL COUNSEL	OUT THE APPROVAL OF THE
NOTE	SEND AUTHORIZATION REQUEST TO FORDCALP	@FORD.COM
	IPT OF ALL THE REQUESTED INFORMATION, IT WI ID THE CUSTOMER WILL BE NOTIFIED OF OUR DEC	
	***EVALUATIONS MAY TAKE UP TO 90 DAYS *	**
From: dcpform@ford.com [m Sent: Friday, September 07, To: Cc Subject: Dealer/Fleet Reque	2012 3:34 PM	
	Dealer/Fleet Request for OGC Review	<i>'</i>
Email Subject: Dealer/Flo DEALER INFORMATION Dealership Fleet Name: Requesting Dealer Fleet: PA Code: NA Conta Title: Phone	eet Request for OGC Review ON:	

Email: kscott33@ford.com
Region: Washington
Address: 14104 Newbrook Drive
City: Chantilly
State: Virginia
Zip Code: 20151
CUSTOMER VEHICLE INFORMATION:
WSD: May 8, 2006
Vehicle Year: 2006
Vehicle Model: Crown Victoria
Vehicle VIN: 2FAFP71W26X
Mileage: 76672
customer Fleet N
Street Address:
City: Rockville
State: Maryland
Zip Code:
Home Phon Work Phon
Work Phon Customer Region: Washington
DETAILS OF INCIDENT:
Accident
Date of Incident: 2012-09-05
County incident occurred:
Is customer alleging a component defect CAUSED the incident? YES
Details: Exact words from customer: the officer claimed the steering went soft and he had no steering control
at all. We have performed a preliminary inspection of the vehicle to find the upper steering shaft in the column
had broken. When the shaft broke the officer had no way to steer the vehicle. Talking with my maintenance
shop I was informed we had a similar incident on stock 060540 I need to know why this is happening, is it
happening elsewhere is it only effecting a particular model year Vick and is there a permanent fix. I am
concerned we have a major issue and I need a response from Ford ASAP on this issue
Was a police report filed? YES
Details: This is a police vehicle for
Has the insurance company been contacted? NO
Insurance company advised:
Insurance company contact information:
Coach builder:
City:
State:
Zip Code:
Vehicle Location: With customer -
Attorney information:
CVO Contact:
Resolution Customer is seeking: Customer states considering downing entire fleet of crown vics and questioning if this should be a recall. Customer wants on site inspection and explanation on why the steering
THE SHOULD LETTER SHOULD BE A FECALE CHSIOTHER WARLS OF SITE INSPECTION AND AVAILABITION OF WHAT THE AFOREMACE

questioning if this should be a recall. Customer wants on-site inspection and explanation on why the steering column came apart.

Comments: Customer has a second unit that they allege has the same issue but was not in an accident.

Copyright 2012 Ford Motor Company

PE12-025 FORD 11/9/2012 APPENDIX E

Bates Range	Document Type	Document Author(s)	Document Recipient(s)	Document cc's	Document Date	· ·	Privilege (Basis of Claim)
PE12-025 000142	Email	Alma Taylor, Office of the General Counsel Product Claims Analyst	Allen Robinson, Ford Employee		9/12/2012	employee regarding a litigation claim.	Attorney Client Privilege/Atto rney Work Product
PE12-025 000143-145	Email	(1) Alison Nelson, Office of the General Counsel Attorney; (2) Alma Taylor, Office of the General Counsel Product Claims Analyst; (3) Eric Kalis, Ford Employee; (4) Alma Taylor, Office of the General Counsel Product Claims Analyst	(1) Steve Matthews, Ford Employee; (2) Eric Kalis, Ford Employee; (3) Alma Taylor, Office of the General Counsel Product Claims Analyst; (4) Eric Kalis, Ford Employee	(1) Raymond Nevi, Ford Employee; Michelle Hull, Office of the General Counsel Product Claims Analyst; Alma Taylor, Office of the General Counsel Product Claims Analyst; Thomas Falahee, Office of the General Counsel Attorney	(1) 9/12/2012; (2) 9/12/2012; (3) 9/12/2012; (4) 9/12/2012	Counsel regarding a litigation	Attorney Client Privilege/Atto rney Work Product
PE12-025 000146-334	Photographs	Eric Kalis, Ford Employee			9/14/2012	Vehicle inspection photographs taken by request of Ford's Office of the General Counsel.	Attorney Work Product
PE12-025 000596-599	Email	(1) Alma Taylor, Office of the General Counsel Product Claims Analyst; (2) Alma Taylor, Office of the General Counsel Product Claims Analyst	(1) Katrina Murphy, Ford Employee; (2) Eric Kalis, Ford Employee; Alison Nelson, Office of the General Counsel Attorney	(2) Michelle Hull, Office of the General Counsel Product Claims Analyst	(1) 9/12/2012; (2) 9/12/2012	Email correspondence between Ford employees and the Office of the General Counsel relating to a vehicle inspection requested by the Office of the General Counsel. Produced in redacted form.	Attorney Work Product
PE12-025 000600-602	Email	(1) Kris Christensen, Ford Employee; (2) Michelle Hull, Office of the General Counsel Product Claims Analyst	(1) Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Kris Christensen, Ford Employee	(1) Randy Freiburger, Ford Employee; Francis Wickenheiser, Ford Employee; (2) Randy Freiburger, Ford Employee; Francis Wickenheiser, Ford Employee; Alma Taylor, Office of the General Counsel Product Claims Analyst	(1) 9/14/2012; (2) 9/14/2012	Email correspondence between Ford employees and the Office of the General Counsel requesting legal advice. Produced in redacted form.	Attorney Client Privilege
PE12-025 000603-605	Email with attachment	Susan Krusel, Ford Employee	Steve Kenner, Ford Employee; Raymond Nevi, Ford Employee; Thomas Falahee, Office of the General Counsel Attorney; Todd Fronckowiak, Ford Employee	Emily Frascaroli, Office of the General Counsel Attorney	9/14/2012	Email correspondence between Ford employees and the Office of the General Counsel requesting legal advice. Produced in redacted form.	Attorney Client Privilege

PE12-025 000606-612		Employee; (2) Katrina Murphy, Ford Employee; (3) Drita McNamara, Ford Employee; (4) Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Counsel Attorney; (6)	Employee; (3) Katrina Murphy, Ford Employee; Dave Dodds, Ford Employee; (4) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (5) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; Katrina Murphy, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (6) Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (8) Felicia Miles, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (9) Felicia Miles, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst	Attorney, Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (3) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the	(2) 9/7/2012; (3) 9/7/2012; (4) 9/7/2012; (5) 9/7/2012;	between Ford employees and	Attorney Client Privilege
------------------------	--	--	---	---	--	----------------------------	---------------------------------

PE12-025 000613-620	Email	Ford Employee; (3) Drita McNamara, Ford Employee; (4) Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Counsel Attorney; (6) Katrina Murphy, Ford Employee; (7) Felicia Miles, Office of the General Counsel Product Claims Analyst; (8) Katrina Murphy, Ford Employee; (9) Dave Dodds, Ford Employee	(1) Katrina Murphy, Ford Employee; (2) Dave Dodds, Ford Employee; (3) Katrina Murphy, Ford Employee; Dave Dodds, Ford Employee; (4) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (5) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (6) Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (8) Felicia Miles, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (9) Felicia Miles, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Attorney	McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (3) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Hull, Office of the General Counsel Hull, Office of the	(3) 9/7/2012;	between Ford employees and	Attorney Client Privilege

PE12-025 000621-627		McNamara, Ford Employee; (4) Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Counsel Attorney; (6) Katrina Murphy, Ford Employee; (7) Felicia Miles, Office of the General Counsel Product Claims Analyst; (8) Katrina Murphy, Ford Employee; (9) Dave Dodds, Ford Employee	Ford Employee; (4) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (5) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (6) Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (8) Felicia Miles, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (9) Felicia Miles, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Attorney	McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (3) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the	(1) 9/7/2012; (2) 9/7/2012; (3) 9/7/2012; (4) 9/7/2012; (5) 9/7/2012; (6) 9/7/2012; (7) 9/7/2012; (8) 9/11/2012; (9) 9/11/2012	between Ford employees and	Attorney Client Privilege
------------------------	--	---	---	--	--	----------------------------	---------------------------------

PE12-025 000628-634	Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Counsel Attorney; (6) Katrina Murphy, Ford Employee; (7) Felicia Miles, Office of the	(1) Katrina Murphy, Ford Employee; (2) Dave Dodds, Ford Employee; (3) Katrina Murphy, Ford Employee; Dave Dodds, Ford Employee; (4) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (5) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (6) Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (8) Felicia Miles, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (9) Felicia Miles, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Attorney	(1) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (3) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (4) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (6) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (8) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (8) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Product Claims Analyst; (9) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Leo Hughes, Ford Employee; Lisa O'Connor, Ford	(2) 9/7/2012; (3) 9/7/2012;	Email correspondence between Ford employees and the Office of the General Counsel requesting legal advice. Produced in redacted form.	Attorney Client Privilege
PE12-025 000635-642	Employee; (2) Katrina Murphy, Ford Employee; (3) Drita McNamara, Ford Employee; (4) Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Counsel Attorney; (6) Katrina Murphy, Ford Employee; (7) Felicia Miles, Office of the General Counsel Product Claims Analyst; (8) Katrina Murphy, Ford Employee; (9) Dave Dodds, Ford Employee	(1) Katrina Murphy, Ford Employee; (2) Dave Dodds, Ford Employee; (3) Katrina Murphy, Ford Employee; Dave Dodds, Ford Employee; (4) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (5) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (6) Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (8) Felicia Miles, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (9) Felicia Miles, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Attorney	(1) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (3) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (4) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Claims Analyst; (5) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Product Claims Analyst; (6) Randy Freiburger, Ford Employee; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (7) Randy Freiburger, Ford Employee; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (8) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (8) Randy Freiburger, Ford Employee; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (8) Randy Freiburger, Ford Employee; Jody Banciu, Office of the General Counsel Product Claims Analyst	(3) 9/7/2012;	Email correspondence between Ford employees and the Office of the General Counsel requesting legal advice. Produced in redacted form.	Attorney Client Privilege

PE12-025 000643-650	Email	McNamara, Ford Employee; (4) Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Counsel Attorney; (6) Katrina Murphy, Ford Employee; (7) Felicia Miles, Office of the General Counsel Product Claims Analyst; (8) Katrina Murphy, Ford Employee; (9) Dave Dodds, Ford Employee	(1) Katrina Murphy, Ford Employee; (2) Dave Dodds, Ford Employee; (3) Katrina Murphy, Ford Employee; Dave Dodds, Ford Employee; (4) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (5) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; Pelicia Miles, Office of the General Counsel Product Claims Analyst; (6) Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (8) Felicia Miles, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (9) Felicia Miles, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Attorney	McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (3) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant: Michelle Hull. Office of the	(1) 9/7/2012; (2) 9/7/2012; (3) 9/7/2012; (4) 9/7/2012; (5) 9/7/2012; (6) 9/7/2012; (7) 9/7/2012; (8) 9/11/2012; (9) 9/11/2012	between Ford employees and	Attorney Client Privilege
PE12-025 000651-657	Email	Employee; (2) Katrina Murphy, Ford Employee; (3) Drita McNamara, Ford Employee; (4) Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Counsel Attorney; (6) Katrina Murphy, Ford Employee; (7) Felicia Miles, Office of the General Counsel Product Claims Analyst; (8) Katrina Murphy, Ford Employee; (9) Dave Dodds, Ford Employee	(1) Katrina Murphy, Ford Employee; (2) Dave Dodds, Ford Employee; (3) Katrina Murphy, Ford Employee; Dave Dodds, Ford Employee; (4) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (5) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (6) Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (8) Felicia Miles, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (9) Felicia Miles, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Attorney Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (9) Felicia Miles, Office of the General Counsel Attorney	McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (3) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the	(1) 9/7/2012; (2) 9/7/2012; (3) 9/7/2012; (4) 9/7/2012; (5) 9/7/2012; (6) 9/7/2012; (7) 9/7/2012; (8) 9/11/2012; (9) 9/11/2012	between Ford employees and	Attorney Client Privilege

000658-665 Employee; (2) Katrina Murphy, Ford Employee; Dave Dodds, Commick, Ford Employee; Alison Nelson, Office of the General Counsel Cou				T
Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Coursel Product Claims Felicia Miles, Office of the General Coursel Product Claims Analyst; (6) Alison Nelson, Office of the General Coursel Engloyee; (7) Felicia Miles, Office of the General Coursel Product Claims Analyst; (6) Alison Nelson, Office of the General Coursel Product Claims Analyst; (6) Alison Nelson, Office of the General Coursel Product Claims Analyst; (7) Felicia Miles, Office of the General Coursel Product Claims Analyst; (8) Katrina Murphy, Ford Employee; (9) Dave Dodds, Ford Employee; (9) Pelicia Miles, Office of the General Coursel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; (9) Dave Dodds, Ford Employee; (9) Pelicia Miles, Office of the General Coursel Product Claims Analyst; (8) Katrina Murphy, Ford Employee; (9) Felicia Miles, Office of the General Coursel Product Claims Analyst; (8) Katrina Murphy, Ford Employee; (8) Felicia Miles, Office of the General Coursel Product Claims Analyst; (8) Katrina Murphy, Ford Employee; Partick McCornick, Ford Employee; Opt Banciu, Office of the General Coursel Product Claims Analyst; (8) Ratina McCornick, Ford Employee; Partick McCornick, Ford Employee; Partick McCornick, Ford Employee; Partick McCornick, Ford Employee; Dodg Banciu, Office of the General Coursel Product Claims Analyst; (9) Ratio, Diffice of the General Coursel Product Claims Analyst; (9) Ratio, Diffice of the General Coursel Product Claims Analyst; (9) Ratio, Diffice of the General Coursel Product Claims	PE12-025 000658-665	McCornick, Ford Employee; Dave Dodds, loyee; (4) Drita McNamara, Ford Employee; Katrina Arord Employee; Katrina Arord Employee; Katrina Arord Employee; Katrina Arord Employee; (5) Dave Dodds, Ford Employee; Contago and Employee; (5) Dave Dodds, Ford Employee; Contago and Employee; (5) Dave Dodds, Ford Employee; Attrina Murphy, Ford Employee; Look Underson, Office of the General Counsel Product Claims Analyst; (6) Randy Freiburger, Ford Employee; Attrina Murphy, Ford Employee; Attrina Murphy, Ford Employee; Look Donale, Attrina Murphy, Ford Employee; Lo	Email 5	Attorney Client Privilege

PE12-025 000666-672	Email	(1) Dave Dodds, Ford Employee; (2) Katrina Murphy, Ford Employee; (3) Drita McNamara, Ford Employee; (4) Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Counsel Attorney; (6) Katrina Murphy, Ford Employee; (7) Felicia Miles, Office of the General Counsel Product Claims Analyst; (8) Katrina Murphy, Ford Employee; (9) Dave Dodds, Ford Employee	(1) Katrina Murphy, Ford Employee; (2) Dave Dodds, Ford Employee; (3) Katrina Murphy, Ford Employee; Dave Dodds, Ford Employee; (4) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (5) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Belicia Miles, Office of the General Counsel Product Claims Analyst; (6) Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (8) Felicia Miles, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (9) Felicia Miles, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Attorney	(1) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (3) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Regal Assistant; Michelle Hull, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Claims Analyst; (5) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Product Claims Analyst; (6) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employ	(1) 9/7/2012; (2) 9/7/2012; (3) 9/7/2012; (4) 9/7/2012; (5) 9/7/2012; (6) 9/7/2012; (7) 9/7/2012; (8) 9/11/2012; (9) 9/11/2012	Email correspondence between Ford employees and the Office of the General Counsel requesting legal advice. Produced in redacted form.	Attorney Client Privilege
PE12-025 000673-678	Email	(1) Dave Dodds, Ford Employee; (2) Katrina Murphy, Ford Employee; (3) Drita McNamara, Ford Employee; (4) Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Counsel Attorney; (6) Katrina Murphy, Ford Employee; (7) Felicia Miles, Office of the General Counsel Product Claims Analyst; (8) Kris Christensen, Ford Employee	(1) Katrina Murphy, Ford Employee; (2) Dave Dodds, Ford Employee; (3) Katrina Murphy, Ford Employee; Dave Dodds, Ford Employee; (4) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (5) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (6) Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (8) Francis Wickenheiser, Ford Employee	(1) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (3) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Product Claims Analyst; (4) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (5) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Product Claims Analyst; (6) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Product Claims Analyst; (7) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Product Claims Analyst; (7) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Product Claims Analyst; (7) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Product Claims Analyst; (7) Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Jody Banciu, Office of the General Counsel Product Claims Analyst	(1) 9/7/2012; (2) 9/7/2012; (3) 9/7/2012; (4) 9/7/2012; (5) 9/7/2012; (6) 9/7/2012; (7) 9/7/2012; (8) 9/10/2012	Email correspondence between Ford employees and the Office of the General Counsel requesting legal advice. Produced in redacted form.	Attorney Client Privilege

PE12-025 000679-690	Email	McNamara, Ford Employee; (4) Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Counsel Attorney; (6) Katrina Murphy, Ford Employee; (7) Felicia Miles, Office of the General Counsel Product	Ford Employee; (4) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (5) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (6) Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (8) Felicia Miles, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee	Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel	(2) 9/7/2012; (3) 9/7/2012; (4) 9/7/2012; (5) 9/7/2012;	Email correspondence between Ford employees and the Office of the General Counsel requesting legal advice. Produced in redacted form.	Attorney Client Privilege
------------------------	-------	--	---	---	--	---	---------------------------------

PE12-025 000691-699	Email	McNamara, Ford Employee; (4) Dave Dodds, Ford Employee; (5) Alison Nelson, Office of the General Counsel Attorney; (6) Katrina Murphy, Ford Employee; (7) Felicia Miles, Office of the General Counsel Product Claims Analyst; (8) Katrina Murphy, Ford Employee	(1) Katrina Murphy, Ford Employee; (2) Dave Dodds, Ford Employee; (3) Katrina Murphy, Ford Employee; Dave Dodds, Ford Employee; (4) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (5) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; Pelicia Miles, Office of the General Counsel Product Claims Analyst; (6) Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (7) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (8) Felicia Miles, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee	Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel	(3) 9/7/2012;	between Ford employees and	Attorney Client Privilege
PE12-025 000700-703	Email	Dave Dodds, Ford Employee	Katrina Murphy, Ford Employee	Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst		between Ford employees and	Attorney Client Privilege

PE12-025 000704-707	Email	(1) Dave Dodds, Ford Employee; (2) Katrina Murphy, Ford Employee	(1) Katrina Murphy, Ford Employee; (2) Dave Dodds, Ford Employee		(1) 9/7/2012; (2) 9/7/2012	between Ford employees and	Attorney Client Privilege
PE12-025 000708-716	Email	(1) Dave Dodds, Ford Employee; (2) Katrina Murphy, Ford Employee; (3) Dave Dodds, Ford Employee; (4) Alison Nelson, Office of the General Counsel Attorney; (5) Felicia Miles, Office of the General Counsel Product Claims Analyst; (6) Katrina Murphy, Ford Employee; (7) Chris Gurney, Ford Employee	(1) Katrina Murphy, Ford Employee; (2) Dave Dodds, Ford Employee; (3) Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; (4) Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee; Felicia Miles, Office of the General Counsel Product Claims Analyst; (5) Katrina Murphy, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (6) Felicia Miles, Office of the General Counsel Product Claims Analyst; Alison Nelson, Office of the General Counsel Attorney; Dave Dodds, Ford Employee; Drita McNamara, Ford Employee; (7) Steve Matthews, Ford Employee	McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel	(1) 9/7/2012; (2) 9/7/2012; (3) 9/7/2012; (4) 9/7/2012; (5) 9/7/2012; (6) 9/11/2012; (7) 9/12/2012	Email correspondence between Ford employees and the Office of the General Counsel requesting legal advice. Produced in redacted form.	Attorney Client Privilege
PE12-025 000717-721	Email with attachment	(1) Susan Krusel, Ford Employee; (2) Susan Krusel, Ford Employee	(1) Todd Fronckowiak, Ford Employee; Emily Frascaroli, Office of the General Counsel Attorney; (2) Steve Kenner, Ford Employee; Raymond Nevi, Ford Employee; Thomas Falahee, Office of the General Counsel Attorney		(1) 9/12/2012; (2) 9/13/2012	Email correspondence between Ford employees and the Office of the General Counsel requesting legal advice. Produced in redacted form.	Attorney Client Privilege

PE12-025 000722-726	Email	(1)) Dave Dodds, Ford Employee; (2) Katrina Murphy, Ford Employee; (3) Jody Banciu, Office of the General Counsel Legal Assistant; (4) Dave Dodds, Ford Employee	(1) Katrina Murphy, Ford Employee; (2) Dave Dodds, Ford Employee; (3) Katrina Murphy, Ford Employee; (4) Tom Bazil, Ford Employee	Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (2) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (3) Drita McNamara, Ford Employee; Randy Freiburger, Ford Employee; Patrick McCormick, Ford Employee; Alison Nelson, Office of the General Counsel Attorney; Jody Banciu, Office of the General Counsel Legal Assistant; Michelle Hull, Office of the General Counsel Product Claims Analyst; (4) Patrick McCormick, Ford Employee; Drita McNamara, Ford Employee; Katrina Murphy, Ford Employee;		between Ford employees and	Attorney Client Privilege
PE12-025 000727-730	Email	Alma Taylor, Office of the General Counsel Product Claims Analyst	Katrina Murphy, Ford Employee	Jody Banciu, Office of the General Counsel Legal Assistant	(1) 9/12/2012		Attorney Work Product
PE12-025 000731-732	Email	(1) Susan Krusel, Ford Employee; (2) Todd Fronckowiak, Ford Employee	(1) Steve Kenner, Ford Employee; Raymond Nevi, Ford Employee; Thomas Falahee, Office of the General Counsel Attorney; Todd Fronckowiak, Ford Employee; (2) David Ott, Ford Employee	Amanda Prescott, Ford Employee	(1) 9/14/2012; (2) 9/14/2012	between Ford employees and	Attorney Client Privilege

PE12-025 FORD 11/9/2012 APPENDIX F



Sent Via US Mail

June 8, 2006

Coconut Creek, FL

RE: 2006 Grand Marquis

VIN: 2MEFM75W86X

Dear Mr.

Thank you for contacting us regarding the above-mentioned vehicle.

Customer satisfaction is one of the primary objectives of Ford Motor Company and we try to make every attempt to ensure that our owners are satisfied. We recognize the importance of retaining your confidence in us after the purchase. We understand that you have turned this matter over to your insurance company. Your insurance carrier may file a claim in subrogation against Ford Motor Company if they choose to do so. Ford proposes no further action at this time.

Thank you for giving us the opportunity to review your concern.

Sincerely,

Marcel Miclea Consumer Affairs

Case: 483021576

Model: GRAND MARQUIS

Dealer: MARGATE LINCOLN MERCURY, INC.

WSD: 2006-04-25

Secondary Phone:

P & A Code: 11638

Primary Phone

Action Detail

Issue Status: OPEN

VIN: 2MEFM75W86X Year: 2006

Name: M&V Owner Status: Original

Symptom Desc: STRG/HANDLING FUNCTION LOSS OF STRG

Reason Desc: LEGAL - ACCIDENT / FIRE

Issue Type: 07 LEGAL

issue Type: U/ LEGAL

Origin Desc: US CONCERN CASE BASE

Action Desc: ADVISE CUST INFORMATION WILL BE SENT TO CONSUMER AFFAIRS

Odometer: 1000 Mi Comm Type: PHONE

Action Date: 06/06/2006 Action Time: 13:25:02:910 Action Data: Yes

Analyst Name: RADIGAN KRISTIN Analyst: KRADIGAN

COMMENTS: CUSTOMER SAID: -BOUGHT FIVE CARS IN BETWEEN 91 AND TODAY -ACCIDENT HAPPENED 6/2 AT ABOUT 1100 PM -THE VEH WOULD NOT TURN -STEERING DID NOT RESPOND -ACCIDENT HAPPENED IN CITY OF COCONUT CREEK, BROWARD COUNTY -POLICE REPORT WAS NOT FILED -CLAIM WAS FILED WITH THE INSURANCE CO -DO NOT KNOW THE STATUS OF THE INSURANCE CLAIM -NO ONE WAS HURT -THERE WAS NOTHING REALLY DAMAGED EXCEPT THE CAR -WANTS FORD TO COVER THE COST OF THE REPAIRSDEALER SAID: --CALL HIS INSURANCE CO --MARGATE LINCOLN MERCURY -2250 NORTH STATE ROAD 7 -MARGATE, FL 33063 -TEL: (954) 978-2277CRC ADVISED: - I WILL FORWARD THIS INFORMATION TO OUR CONSUMER AFFAIRS GROUP. SOMEBODY FROM CONSUMER AFFAIRS WILL CONTACT YOU WITHIN 7-10 BUSINESS DAYS. PLEASE NOTIFY YOUR INSURANCE CARRIER AND REPORT THIS INCIDENT.----ADVISED CUST AS TO ABOVE

Ford Confidential

Customer Info

Customer:

Address COCONUT CREEK FL

Country: USA Language: EN

Cell Phone: Pager:

Preferred Contact method: Fax:

Preferred Contact Time: Email:

Ford Confidential

Dealer Information

FCSD Region	Sales Region	Sales Zone	Market	P&A Code	Sales Code
FL-FLORIDA	25-ORLANDO	J	A2	11638	L25256

Dealer Name:

MARGATE LINCOLN MERCURY, INC.

Dealer Address:

2250 NORTH STATE ROAD 7

MARGATE FL 33063

Dealer Main Phone:

305-978-2277

Position	Employee Name
GENERAL MANAGER	DEWAYNE FAIRCHILD
PARTS MANAGER	FRED MOROSINI
SALES MANAGER	CARLOS SANTOS
SALES MANAGER	KELLY J MEGGS
SERVICE MANAGER	KENNETH L VANN
SERVICE MANAGER	DANIEL C HUGHES
SERVICE MANAGER	MARK NICHOLS

Service Hours

7:30 AM TO 5:30 PM MONDAY THRU FRIDAY MERKUR

Directions

Trained

Υ

Additional Information

TOWING: 305-768-1690 WILLIAMS TOWING

Ford Confidential

ESP / Recall Information

VIN: 2MEFM75W86X

Contract: 1 of 1

-----ESP Purchase Details-----

Purchaser

Plan Type: USA 2006 NEW 24/25000 PREM MAINTENANCE(M&W)5K

Selling Dealer: MARGATE LINCOLN MERCURY, INC.

Deductible: Rental:

Towing Allowance:

Status: Active

Expiration Date: 2008-04-25 Expiration Miles: 26,000

Plan Year: 2006 Purchase Type: N

Options:

-----ESP Cancellation Details-----

Cancel Date: **Refund Percent:** **Process Date:**

Dealer Credited:

Dealer Received Date:

-----Recall Information-----

-----Field Service Action------

Number	Туре	Description	Status	Status Date	Dealer Code
06B39		TRANSMISSION OIL COOLER BYPASS VALVE INSPECTION	OPEN - LAUNCHED		

OASIS RESULT: 2MEFM75W86X

06/07/2006 09:41:10

© Copyright 2002-2006 Ford Motor Company. All rights reserved.



VEHICLE INFORMATION

ENGINE VEHICLE DESCRIPTION BODY STYLE

4.6L SOHC (ROMEO) 4 DR SEDAN LS 2006 GRAND MARQUIS **ENGINE CALIBRATION** AXLE CODE TRANSMISSION

> 6FB1SB0A C8

, GENERAL WARRANTY INFORMATION

WARRANTY START DATE **BUILD DATE** SALE MILEAGE

04/25/2006 03/21/2006

ARN MESSAGES

ATTENTION TECHNICIANS AND SERVICE MANAGERS: BEFORE ADDRESSING AIR SUSPENSION COMPRESSOR NOISE, PLEASE SEE TSB 06-02-14

👞 WARNING MESSAGES

CUDL - THIS VEHICLE HAS AN OPEN CUDL CONTACT

VERIFY STATE REGISTRATION, VIN MAY BE ELIGIBLE FOR CALIFORNIA EMISSIONS WTY

OUTSTANDING FIELD SERVICE ACTIONS

06B39

TRANSMISSION OIL COOLER BYPASS VALVE INSPECTION

EXTENDED COVERAGES

0996 - USA 2006 NEW 24/25000 PREM MAINTENANCE(M&W)5K

STANDARD DEDUCTIBLE: 0 USD

OWNER NAME:

OPTIONS:

EXPIRATION DATE: 04/25/2008

DISTANCE: 26,000

RENTAL: 0 UP TO 0 DAYS

TOWING: 0 USD

CONTRACT SOLD BY: USA 11638

ESP CONTRACT START DATE: 04/25/2006

REPAIR HISTORY

NO REPAIR HISTORY ON VEHICLE

Click Here for Full Warranty History

END OF OASIS REPORT FOR 2MEFM75W86X

Report Applies to Country Code: USA

PE12-025 FORD 11/9/2012 APPENDIX H

Prescott, Amanda (A.B.)

From: Gratson, Tony (A.J.)

Sent: Friday, November 02, 2012 8:56 AM

To: Christie, Michelle (M.L.)

Cc: Keady, Christopher (C.M.); Bondoni, Mark (M.J.); Gratson, Tony (A.J.); Prescott, Amanda

(A.B.); Freiburger, Randy (R.M.)

Subject: Part availability and repairs on 2005-2008 Crown Victoria Police Interceptors –

Steering Column and Upper Intermediate Shaft

Importance: High

Michelle,

Please forward to all PAB members and copy Chris, Mark and Randy.

Thanks,

Tony Gratson

To: All Ford Police Advisory Board Members

From: Ford Commercial Vehicle Team

It has come to our attention that the service steering column (7W1Z-3C529-B) and upper intermediate shaft (5W1Z-3B676-AB) were on backorder, increasing the down time for vehicles that have been identified as requiring repair. Our suppliers have responded, are shipping parts, and the backorders are cleared. We have increased our requirements for parts from our suppliers in an effort to avoid any future backorders on these parts.

Reminder, the only recommended repairs for an improperly functioning steering column are those described in the Ford Service Manual. Attempting to repair a vehicle by a different method such as, drilling holes in the steering column jacket and inserting screws or other fasteners in an effort to retain the lower steering column (green) bearing, could interfere with the internal steering column collapse feature in a frontal crash, increasing the risk of injury to the driver. Additionally, debris from drilling through the steering column jacket and into the bearing could result in noise and/or roughness when turning the steering wheel.

Ford and NHTSA continue to work together on their investigation of allegations of full or partial separation of the upper intermediate shaft from the steering column in model year (MY) 2005 through 2008 Ford Crown Victoria Police Interceptor (CVPI) vehicles. We apologize for the parts availability situation, and assure you that we will continue to work to address this situation.

Thank you for your attention to this matter.

Tony Gratson

Government Sales Manager Ford Motor Company

W: 313-390-1041 C: 313-205-8610 tgratson@ford.com



PE12-025
FORD
11/9/2012
APPENDIX J

PE12-025
FORD
11/9/2012
APPENDIX J
13745



FINAL TEST REPORT CONFIDENTIAL

Vehicle Evaluation and Verification Research and Vehicle Technology

Test Order No. J-C4804
Work Task W. O. No. E18

TO: B. Frank Test Date 7/9/03
Date Reported 9/5/03
Sheet 1 of 4

SUBJECT: Crash Test 13745 (90° Front 40% Offset Left Side Barrier Impact at 10.9 ± 0.4 mph,

 17.5 ± 0.6 km/h) – 2006 Grand Marquis (EN114) 4-Door Sedan

REQUESTED BY: Vehicle Crash Safety Department, Research and Vehicle Technology – B. Frank

OBJECT: To obtain development data relative to air bag system sensors.

SUMMARY OF

TEST RESULTS: See Section 1.0 for air bag system sensor data.

M. Foster

Test Development Engineer

Concur: J. Ng

Section Supervisor

Operations Engineering Section

J-C4804 C-13745 Sheet 2

VEHICLE DATA:

Make and Model 2006 Grand Marquis (EN114) 4-Door Sedan (Attribute Prototype 0)

ID Numbers 2MEFM75W73X , 318-H-073

Power Train 4.6L, EFI, Automatic (4R70W) Transmission

Fuel Tank(s) Usable Capacity: 19.0 gal. (71.9L) – Aft of Axle

Test Condition: Empty.

Front Seat(s) Type: Split Bench

Cover: Leather

Tracks/Position: Power/Mechanical Mid and Down

Seat Backs/Position: Adjustable/Not Measured

Head Restraints/Position: Adjustable/Up

Restraint System LF & RF: 3-Point Continuous Loop Active Belt

All seatbelts remain latched during impact.

Occupants LF & RF: 50th Percentile Male, Hybrid III,

Uninstrumented

Test Weight Front: 2407 lb (1092 kg)

Rear: 2197 lb (997 kg) Total: 4604 lb (2088 kg)

Tires Front: P225/60R16 32 psi (221 kPa)

Rear: P225/60R16 35 psi (241 kPa)

Spare: Removed

Significant Content or

Accessories: Air Conditioning, Power Steering, Power Brakes, Tilt Steering Wheel

J-C4804 C-13745 Sheet 3

GENERAL TEST COMMENTS:

1. Test Procedure

The test was performed according to the following regulations, test protocols and the Corporate test procedure(s):

Non-regulator crash test procedure, CBP-3 dated April 16, 1998.

1.1 Vehicle Alignment

The Thatcham fixture was attached to the normal fixed barrier face and aligned to contact the front of the test vehicle, overlapping the left (driver) side by 40% of the overall vehicle width.

2. Remarks

Crash movies, pre- and post- crash still images of the test vehicle and copies of this report are available through the Operations Engineering Section, Safety Laboratories Department, VEV. The crash still images are stored and archived on CD ROMs. The file names of the still images are listed under crash number and a three digit sequence number which are 13745001 through 13745077.

J-C4804 C-13745 Sheet 4

TEST RESULTS:

1.0 Sensor Development

Time histories of the air bag/sensor(s) are archived on a storage media under the crash number/and or the test authorization number.

Time histories of any requested derived data (i.e. integrations, etc.) were given to the requesting activity and are not included in this report.

2.0 Vehicle Crush, Film Analysis and/or Instrumentation Data

Time histories of the vehicle accelerations and other instrumentation are archived on a storage media under the

crash number/and or the test authorization number.

Time histories of any requested derived data (i.e. integrations, etc.) were given to the requesting activity and are not included in this report.





























































































PE12-025
FORD
11/9/2012
APPENDIX J
13823



FINAL TEST REPORT CONFIDENTIAL

Vehicle Evaluation and Verification Research and Vehicle Technology

TO: B. Frank Test Order No. J-C4916

 Work Task W. O. No.
 E11

 Test Date
 8/20/03

 Date Reported
 2/12/04

 Sheet
 1 of 8

SUBJECT: Crash Test 13823 (90° Front Fixed Barrier Impact at 14.0 ± 0.4 mph, 22.5 ± 0.6 km/h) –

2005 Crown Victoria (EN114) 4-Door Sedan – 2005 Certification Program

REQUESTED BY: Vehicle Crash Safety Department, Research and Vehicle Technology – B. Frank

OBJECT: To provide occupant protection data relative to the front barrier impact test requirements

of the current FMVSS No. 208 dated 1/6/03 and CMVSS No. 208 dated 2/13/02.

To provide windshield mounting retention data relative to the front barrier impact test requirements of the current FMVSS No. 212 dated 3/14/95 and CMVSS No. 212 dated

8/28/97.

To provide windshield protected zone data relative to the front barrier impact test requirements of the current FMVSS No. 219 dated 5/27/98 and CMVSS No. 219 dated 8/28/97.

To provide fuel system integrity data relative to the barrier crash test requirements of the current FMVSS No. 301 dated 5/27/98 and CMVSS No. 301 dated 4/26/01.

SUMMARY OF TEST RESULTS:

- · See Attachment 1 for injury criteria data.
- See Attachment 2 for windshield mounting retention data.
- See Attachment 3 for windshield protected zone intrusion and windshield penetration data.
- · See Attachment 4 for fuel spillage data.
- · See Attachment 5 for vehicle observations and non-FMVSS data.

The Test Authorization for this crash indicated that the vehicle is representative of a design level suitable for a certification test. To the best of my knowledge, the crash testing was performed on the same vehicle as identified in the Test Authorization; the results reported herein represent the performance of this specific vehicle, and the testing was performed in accordance with the listed procedures. Any procedure deviations significant to the test objectives above are identified in this report.

R. Oda

Engineering Technologist

Concur: J. Ng

Section Supervisor

Operations Engineering Section

VEHICLE DATA:

Make and Model 2005 Crown Victoria (EN114) 4-Door Sedan (Confirmation Prototype)

ID Numbers 2FAFP73W33X203930, 516-H-867, FB590020

Power Train 4.6L, EFI, Automatic (5R70W) Transmission

Fuel Tank(s) Usable Capacity: 19.0 gal. (71.9L) - Aft of Axle

Test Condition: The "run dry" tank was filled with red-dyed

Stoddard solvent to 95% of its rated usable capacity.

Front Seat(s) Type: Split Bench

Cover: Cloth

Tracks/Position: LF: Power/1.6" Rear of Full Forward

RF: Manual/Mechanical Mid

Seat Backs/Position: Adjustable/LF: 12.9° Rear of Vertical

at Headrest, RF: 18.5° Rear of Vertical

at Headrest

Head Restraints/Position: Adjustable/LF: Down

RF: Up

Restraint System LF: 3-Point Continuous Loop Active Belt

RF: 3-Point Continuous Loop Active Belt

All seatbelts remain latched during impact.

Occupants LF: 5th Percentile Female, Hybrid III,

Instrumented No. 354

RF: 50th Percentile Male, Hybrid III,

Instrumented No. 318

Test Weight Front: 2366 lb (1073 kg)

Rear: 2188 lb (992 kg) Total: 4554 lb (2066 kg)

The test weight includes:

· the "as received" unloaded vehicle curb weight

 \cdot Options which are expected to be on more than 33% of

production vehicles (simulated)2 occupant(s) (described above)

· 200 lb (90.7 kg) luggage (simulated)

Tires Front: P225/60R16 32 psi (221 kPa)

Rear: P225/60R16 35 psi (241 kPa)

Spare: Removed

Bumpers Front: Fascia/Beam

Rear: Removed

Significant Content or

Accessories: Air Conditioning, Power Steering, Power Brakes, Tilt Steering Wheel

GENERAL TEST COMMENTS:

1. Test Procedure

The test was performed according to the following regulations, test protocols and the Corporate test procedure(s):

- · Barrier Collision Test Steering Column, Windshield, Fuel System, CETP 00.00-L-811-US (ST-14) dated August 27, 2001.
- · EFI Fuel Systems Stoddard Solvent Fill, ST-11 REF. 4.
- Fixed Barrier Collision Test Occupant Crash Protection, CETP 00.00-L-810-US (ST-25) dated August 27, 2001.

2. Significant Deviations from CETP 00.00-L-811-US (ST-14) and CETP 00.00-L-810-US (ST-25)

- . The Left Front Dummy was a 5^{th} Percentile Hybrid III dummy. The Right Front Dummy was a 50^{th} Percentile Hybrid III dummy.
- . There was no fuel system spillage during the subsequent 10 minute period following the first 5 minutes after impact. The requester decided to cancel after the 10 minute mark.
- 3. <u>Instrumentation</u>: The instrumentation equipment set up for this test was completed following approved procedures which require engineering sign-off after each major step. The instrumentation equipment and systems used meet the SAE J211 June 80 series of recommended practices (Instrumentation for Impact Tests J211, J211a, or J211b) and were calibrated using secondary standards that are traceable to the National Institute of Standards and Technology (NIST).

4. Remarks

Crash movies, pre- and post- crash still images of the test vehicle and copies of this report are available through the Operations Engineering Section, Safety Laboratories Department, VEV. The crash still images are stored and archived on CD ROMs. The file names of the still images are listed under crash number and a three digit sequence number which are 13823001 through 13823074.

ATTACHMENT 1

Occupant Injury Data (C/FMVSS 208)

		<u>L. F. Dı</u>	<u>ummy</u>	<u>R. F. Du</u>	<u>ımmy</u>
Head Injury Criteria (HIC) @ 15 ms		166		33	
Interval	t1		ms	103	ms
	t2	118		118	
Head Injury Criteri	a (HIC) @ 36 ms	166		63	
Interval	t1	111		104	
	t2	118	ms	140	ms
Dummy Neck Upper Load:					
NTE		0.3525		0.1750	
NTF		0.2029		0.2324	
NCE		0.003107		0.001448	
NCF		0.1358		0.004143	
Chest resultant acceleration level at 3 ms cumulative duration		23	g	19	g
Chest Deflection (Hybrid III)		1.0	in	0.8	in
Peak axial compres	sion load:				
	Left femur	155	lb	247	lb
	Right femur	54	lb	152	lb
Peak axial tension l	oad:				
	Left femur	147	lb	52	lb
	Right femur	114	lb	75	lb
Dummy contained					
vehicle during the crash		Yes		Yes	

The dummy temperature, immediately prior to the test, was within the specified test range of $69^{\circ}F$ to $72^{\circ}F$.

Time histories of the dummy instrumentation are archived on a storage media under the crash number/ and or the test authorization number.

J-C4916

C-13823

Sheet 5

ATTACHMENT 2

Windshield Mounting Retention (C/FMVSS 212)

The total windshield mounting retention at ambient room temperature was 100%.

ATTACHMENT 3

Windshield Zone Intrusion (C/FMVSS 219)

Based on a review of the crash movie and post-crash observations it was judged that neither the windshield intrusion zone nor the windshield below the intrusion zone was penetrated by any part of the vehicle during the crash. No intrusion zone template was used.

J-C4916 C-13823

Sheet 7

ATTACHMENT 4

Fuel System Integrity (C/FMVSS 301)

- . There was no fuel system spillage during impact.
- . There was no fuel system spillage during the first five minutes after impact.
- . There was no fuel system spillage during the subsequent 10 minute period following the first 5 minutes after impact. The requester decided to cancel after the 10 minute mark.

ATTACHMENT 5

1.0 Vehicle Crush, Film Analysis and/or Instrumentation Data

	Maximum Dynamic Longitudinal Crush		
	in.	(mm)	
Left Side	9.9	(251)	
Right Side	9.9	(251)	

Time histories of the dummy dynamic displacements obtained from Film Analysis are archived on a storage media under the crash number/and or the test authorization number.

Time histories of the dummy dynamic displacements obtained from Film Analysis on the dummy shoulders are not archived on a storage media under the crash number/and or the test authorization number due to the dummy shoulders are below the door and not visible.

Time histories of the air bag/sensor(s) are archived on a storage media under the crash number/and or the test authorization number.

Time histories of the vehicle accelerations and other instrumentation are archived on a storage media under the crash number/and or the test authorization number.

Time histories of vehicle dynamic displacements obtained from Film Analysis are archived on a storage media under the crash number/and or the test authorization number.

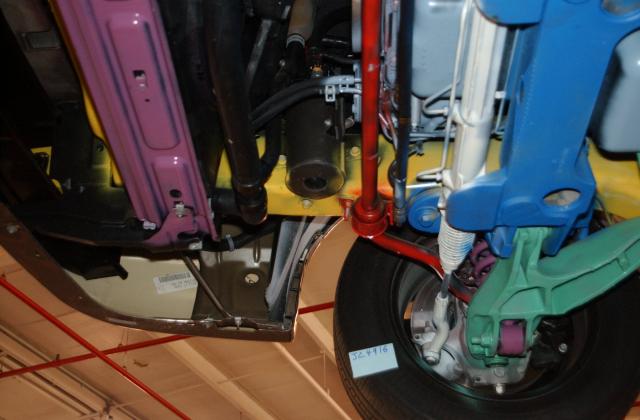
Time histories of any requested derived data (i.e. integrations, etc.) were given to the requesting activity and are not included in this report.















































































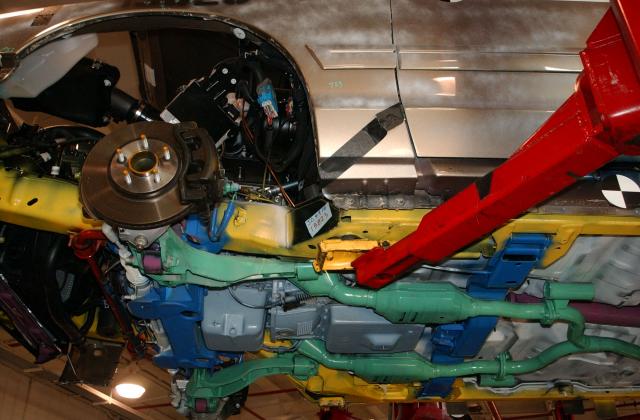














PE12-025
FORD
11/9/2012
APPENDIX J
14141



FINAL TEST REPORT CONFIDENTIAL

Vehicle Evaluation and Verification Research and Vehicle Technology

TO: B. Frank Test Order No. J-C7618

Work Task W. O. No. E11
Test Date 12/16/03
Date Reported 4/30/04
Sheet 1 of 7

SUBJECT: Crash Test 14141 (90° Front Fixed Barrier Impact at 16.8 ± 0.4 mph, 27.0 ± 0.6 km/h) –

2005 Crown Victoria (EN114) 4-Door Sedan – 2005 Certification Program

REQUESTED BY: Vehicle Crash Safety Department, Research and Vehicle Technology – B. Frank

OBJECT: To provide occupant protection data relative to the front barrier impact test requirements

of the current FMVSS No. 208 dated 11/19/03 and CMVSS No. 208 dated 7/24/03.

To provide windshield mounting retention data relative to the front barrier impact test requirements of the current FMVSS No. 212 dated 3/14/95 and CMVSS No. 212 dated

2/13/03.

To provide windshield protected zone data relative to the front barrier impact test requirements of the current FMVSS No. 219 dated 5/27/98 and CMVSS No. 219 dated

8/28/97.

SUMMARY OF TEST RESULTS:

- See Attachment 1 for injury criteria data.
- See Attachment 2 for windshield mounting retention data.
- See Attachment 3 for windshield protected zone intrusion and windshield penetration data.
- See Attachment 4 for vehicle observations and non-FMVSS data.

The Test Authorization for this crash indicated that the vehicle is representative of a design level suitable for a certification test. To the best of my knowledge, the crash testing was performed on the same vehicle as identified in the Test Authorization; the results reported herein represent the performance of this specific vehicle, and the testing was performed in accordance with the listed procedures. Any procedure deviations significant to the test objectives above are identified in this report.

J. Bias

Product Test Engineer

Concur: J. Ng

Section Supervisor

Operations Engineering Section

VEHICLE DATA:

Make and Model 2005 Crown Victoria (EN114) 4-Door Sedan (Confirmation Prototype)

ID Numbers 2FDFP72943X , 516-H-674, FB530004

Power Train 4.6L, NGV, Automatic (4R70W) Transmission

Fuel Tank(s) Test Condition: Removed

Front Seat(s) Type: Split Bench

Cover: Cloth

Tracks/Position: LF: Power/Mechanical Mid and Down

RF: Manual/Mechanical Mid

Seat Backs/Position: Adjustable/LF: Not Measured

RF: 22.7° Rear of Vertical

Head Restraints/Position: Adjustable/Up

Restraint System LF: Steering Wheel Air Bag

RF: 3-Point Continuous Loop Active Belt and

Pyrotechnic Retractor

Seatbelt remain latched during impact.

Occupants LF: 50th Percentile Male, Hybrid III,

Uninstrumented No. 323

RF: 50th Percentile Male, Hybrid III,

Instrumented No. 321

Test Weight Front: 2371 lb (1075 kg)

Rear: 2230 lb (1012 kg) Total: 4601 lb (2087 kg)

The test weight includes:

· the "as received" unloaded vehicle curb weight

· Options which are expected to be on more than 33% of

production vehicles (simulated)

2 occupant(s) (described above)200 lb (90.7 kg) luggage (simulated)

Tires Front: P225/60R16 32 psi (221 kPa)

Rear: P225/60R16 35 psi (241 kPa)

Spare: Removed

Bumpers Front: Fascia/Beam

Rear: Removed

Significant Content or

Accessories: Air Conditioning, Power Steering, Power Brakes, Tilt Steering Wheel

GENERAL TEST COMMENTS:

1. Test Procedure

The test was performed according to the following regulations, test protocols and the Corporate test procedure(s):

- · Barrier Collision Test Steering Column, Windshield, Fuel System, CETP 00.00-L-811-US (ST-14) dated August 27, 2001.
- Fixed Barrier Collision Test Occupant Crash Protection, CETP 00.00-L-810-US (ST-25) dated August 27, 2001.

2. Significant Deviations from CETP 00.00-L-811-US (ST-14) and CETP 00.00-L-810-US (ST-25)

The fuel system did not contain stoddard.

3. <u>Instrumentation</u>: The instrumentation equipment set up for this test was completed following approved procedures which require engineering sign-off after each major step. The instrumentation equipment and systems used meet the SAE J211 June 80 series of recommended practices (Instrumentation for Impact Tests J211, J211a, or J211b) and were calibrated using secondary standards that are traceable to the National Institute of Standards and Technology (NIST).

4. Remarks

Crash movies, pre- and post- crash still images of the test vehicle and copies of this report are available through the Operations Engineering Section, Safety Laboratories Department, VEV. The crash still images are stored and archived on CD ROMs. The file names of the still images are listed under crash number and a three digit sequence number which are 14141001 through 14141072.

ATTACHMENT 1

Occupant Injury Data (C/FMVSS 208)

		* <u>L. F. Dummy</u>	<u>R. F. Dı</u>	<u>ımmy</u>
Head Injury Criteria Interval	(HIC) @ 15 ms t1 t2		35 119 134	
Head Injury Criteria Interval	(HIC) @ 36 ms t1 t2		79 102 138	
Dummy Neck Upper NTE NTF NCE NCF	·Load:		0.1616 0.2617 0.007233 0.0000	
Chest resultant acceleration level at 3 ms cumulative duration			26	g
Chest Deflection (Hy	ybrid III)		0.8	in
Peak axial compression load: Left femur Right femur			573 250	
Peak axial tension load: Left femur Right femur			54 43	
Dummy contained within the vehicle during the crash			Yes	

* Uninstrumented Dummy

The dummy temperature, immediately prior to the test, was within the specified test range of $69^{\circ}F$ to $72^{\circ}F$.

Time histories of the dummy instrumentation are archived on a storage media under the crash number/ and or the test authorization number.

ATTACHMENT 2

Windshield Mounting Retention (C/FMVSS 212)

The total windshield mounting retention at ambient room temperature was 100%.

ATTACHMENT 3

Windshield Zone Intrusion (C/FMVSS 219)

Based on a review of the crash movie and post-crash observations it was judged that neither the windshield intrusion zone nor the windshield below the intrusion zone was penetrated by any part of the vehicle during the crash. No intrusion zone template was used.

ATTACHMENT 4

1.0 Vehicle Crush, Film Analysis and/or Instrumentation Data

	Maximum Dynamic Lo	Maximum Dynamic Longitudinal Crush		
	in.	(mm)		
Left Side	11.5	(292)		
Right Side	11.3	(287)		

Time histories of the dummy dynamic displacements obtained from Film Analysis are archived on a storage media under the crash number/and or the test authorization number.

Time histories of the dummy dynamic displacements obtained from Film Analysis on the dummy shoulders are not archived on a storage media under the crash number/and or the test authorization number due to the dummy shoulders were below the door and not visible.

Time histories of the air bag/sensor(s) are archived on a storage media under the crash number/and or the test authorization number.

Time histories of the vehicle accelerations and other instrumentation are archived on a storage media under the crash number/and or the test authorization number.

Time histories of vehicle dynamic displacements obtained from Film Analysis are archived on a storage media under the crash number/and or the test authorization number.

Time histories of any requested derived data (i.e. integrations, etc.) were given to the requesting activity and are not included in this report.

















































































PE12-025 FORD 11/9/2012 APPENDIX K

PE12-025 FORD 11/9/2012 APPENDIX K Process Number FRC 03330



Ν

D

Family Model Year

CFB 1995.00

Revision Copy Concern Number

0

s		Pro	cess Number	
	ASSM STNG COLUMN COLLAR TO DASH PANEL	F	R C 03330	
	<u> </u>	!	— Page 1 —(Last)	

Process Owner : Rozanski, S (Stanislaw)	Phone:	1-519-6375432	Report Date: 2007/02/16 05:07	UNCONTROLLED DOCUMENT
ASSM STNG COLUMN COLLAR TO DASH PANEL				
Type Status / Date Causal Code Earliest In Date N A 2005/03/16 PC 2005/03/16	Latest Out Dat	e	L/S Ind. PFMEA L	
Reference Manuals F AC-110401-01 F AC-110401-02				
Process CPSC's Primary Code Description Y 110400 Steering Column Subsystem N 110401 Steering Column and Shaft N 110402 Steering Column Shift Lever and Shift Lever Bo			Responsible PMT's PMT Program Model Year Description	
Copied From CFB 1995.00 F Varianced Against CFB 1995.00 F	ess Number Revision R C 3330 1 R C 3330 1 R C 3330 1	Copy Concern Number 0 0 0	Study / Alternative C/N	
Associated Plants STH ST. THOMAS ASSEMBLY	Staff Assigned AL Chassis	L	Effectivity Type Eff In Date Eff Out Date F 2005/03/16	
Remark OK-PVT				
Ele # OBTAIN (1) STEERING COLUMN COLLAR FROM STOCK. 10 Remark C/S N Element UCC's CFB CFP	Ins N Key N	Typ M Val Y	MCT 0.00000 Freq 1	Plants : STH ROS N
C/S Part/Description Sta 2W73 3F567 AA NC00 110401 000 COLLAR ASY-STRG COL INSULATOR	us Side Quantity UOM	Side Quantity UOM 1.00 EA	C/S Part/Description	Status Side Quantity UOM Side Quantity UOM
Eie # INSERT STEERING COLUMN COLLAR OVER (2) EXISTING DAS 20 Remark	PANEL STUDS (AT HOLE FOR STE	EERING COLUMN SHAFT}.		Plants : STH
Element UCC'S CFB CFP	Ins N K ey N	Typ M Val Y	MCT 0.00000 Freq 1	ROS N
Notice Number	Station	Critical Significant	Primary CPSC 110400	Illustrations 0

Notice Number	Station	Critical Significant Elements	Primary CPSC 110400	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Num CFB 2005.50 1 0	nber Study / Alternative C/N Status A	N N	ASSM STNG COLUMN COLLAR TO DASH PANEL			F R C 03330

Process Owner :	Messervey, B. C. (I	Brandon)			Phone:	1-519-63	375405		Re	port Date:	2008/12/26 1	17:06		UNC	ONTROLLED DOCUMENT			
ASSM STNG COLUMN COLLA	AR TO DASH PANEL																	
Type Status / Date N A 2005/03/16	Causal Code PC	Earlies 2005/0	st In Date 13/16		Latest Out Date	е			L/S Ind. L	PFME	A							
Reference Manuals F AC-110401-01		F AC-1104	01-02															
Process CPSC's									Res	ponsible PN	MT's							
Primary Code Y 110400	ALL Description Steering Column Sub	ecustom.							PMT	Program	Model Y	ear	ALL Descrip	otion				
N 110401	STEERING COLUMN																	
N 110402	RESERVED																	
0	Family	Model Year		Number	Revision	Сору	Concer	n Number	Study /	Alternative		C/N	I					
Copied From Varianced Against	CFB CFB	1995.00 1995.00	FR (1	0												
Replaces	CFB	1995.00	FRO		1	0												
Replaced By																		
Associated Plants				9	Staff Assigned ALI	 L			Effectivity Typ	e Efi	In Date		Eff Out Date					
STH ST. THOMAS ASSEN	MBLY				Chassis						05/03/16							
Remark OK-PVT																		
Ele # OBTAIN (1) STEI 10 Remark	ERING COLUMN COLI	LAR FROM STO	OCK.													Plants	: STH	
		,	NO 11	L. N	и. н		.,	W.I. A	, ,,,,,,	0.00000				DO0	N			
Element UCC's		(C/S N	Ins N	Key N	Тур	М	Val \	/ MCT	0.00000		Freq	1	ROS	N			
CFB CFP																		
C/S Part/Description 2W73 3F567	AA N	IC00 110401		Side Quantity	UOM	Side Qu		UOM Ea	C/S Part/Des	cription					Status Side Quantity	UOM	Side Quantity	UOM
COLLAR ASY-STRG C																		
Ele # INSERT STEERII	NG COLUMN COLLAR	OVER (2) EXIS	STING DASH P	ANEL STUDS	(AT HOLE FOR S	TEERING	COLUMN S	SHAFT).								Plants	: STH	
20 Remark	ta oolomit oolla	01211 (L) LXII	oriita Baoiri	ANLL 01000	(AT 11022 T 0110	LEIMING	002011111	, , , , , , , , , , , , , , , , , , ,								riano	. 0111	
		(C/S N	Ins N	Key N	Тур	М	Val \	/ MCT	0.00000		Freq	1	ROS	N			
Element UCC's					•	,,						·						
CFB CFP																		
No Secure Templates associa	ted with Tools of this	Process																
																		ł
Notice Number				Station			Critical Elements	Significan Elements	t Primary CP	sc	110400				Illustrations	0	Process Number	
Family Model Year Revis	ion Copy Concern	Number S	Study / Alternat	ive C/I	l Status		N	N	ASSM STN	G COLUMN	COLLAR TO	DASH P	ANEL				E D C	2220

0

1

CFB 2005.50

Α

Ν

F R C 03330

Process Owner	: Messervey, B. C. (Brand	don)	Phone:	1-519-6375405		Report Date:	2008/12/30 02:24	UNC	CONTROLLED DOCUMENT	
ASSM STNG COLUMN C	OLLAR TO DASH PANEL									
Type Status / Date N A 2005/03	Causal Code /16 PC	Earliest In Date 2005/03/16	Latest Out Date			L/S Ind. PFME L	A			
Reference Manuals F AC-110401-01		F AC-110401-02								
Process CPSC's Code Y 110400 N 110401 N 110402	ALL Description Steering Column Subsyste STEERING COLUMN RESERVED	em				Responsible PI PMT Program		ALL Description		
Copied From Varianced Against Replaces Replaced By	CFB 1999 CFB 1999	5.00 F R 5.00 F R	ss Number Revision C 3330 1 C 3330 1 C 3330 1	Copy Conce 0 0 0	ern Number	Study / Alternative	С	/N		
Associated Plants STH ST. THOMAS A	SSEMBLY		Staff Assigned ALL Chassis		E		f In Date 005/03/16	Eff Out Date		
Remark OK-PVT										
Ele # OBTAIN (1) 10 Remark Element UCC's CFB CFP C/S Part/Description	STEERING COLUMN COLLAR	C/S N	Ins N Key N Side Quantity UOM	Typ M	Val Y	MCT 0.00000	Freq	1 ROS	N	Plants : STH UOM Side Quantity UOM
2W73 3F5		110401 000 C	,	1.00	EA					,
Ele # INSERT ST 20 Remark	EERING COLUMN COLLAR OVI	ER (2) EXISTING DASH F	PANEL STUDS (AT HOLE FOR STE	ERING COLUMN	SHAFT}.					Plants : STH
Element UCC's CFB CFP		C/S N	Ins N Key N	Тур М	Val Y	MCT 0.00000	Freq	1 ROS	N	
No Secure Templates as	sociated with Tools of this Pro	cess								
Revision Log Date 2008/08/06 10:06 2008/08/15 13:05	Description / Addenda GC Process Owner Revised, Pr SROZANSK GC Process Owner Revised, Pr JMCALPI1								,	Current Ele # Previous Ele #
Notice Number			Station	Critical	Significant	Primary CPSC	110400		Illustrations 0	
			1		s Elements					Process Number

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations 0	Process Number
Family Model Year Revision Copy Concern Number CFB 2005.50 1 0	er Study / Alternative C/N Status	N N	ASSM STNG COLUMN COLLAR TO DASH PANEL		F R C 03330

PE12-025 FORD 11/9/2012 APPENDIX K Process Number FRC 03440

	Gjorgjevski, B. (B	1				one:	1-313-8						2007/08/03					LED DOCUMENT			
SM. STRNG. COLUMN T																					
e Status / Date D 2006/03/15	Causal Code DE	e Earliest In E 2004/07/19	Date			est Out Dat 06/03/15	e				L/S Ind. L	PFMEA	\								
erence Manuals C-110401-01		F AC-110401-02	2																		
cess CPSC's nary Code 110400 110401 110402	Description Steering Column St STEERING COLUM Steering Column St		er Boot									onsible PM Program	IT's Model	Year	Descriptio	n					
opied From arianced Against eplaces eplaced By	Family CFB CFB CFB CFB	Model Year 2000.00 2004.00 2004.00 2006.50	Process I F R C F R C F R C F R C	3440 3440 3440		revision 1 1 1 1	Copy 0 0 0	Conce	ern Numbe	r	Study / Al	ternative		C/I	N						
ociated Plants ST. THOMAS ASS	EMBLY				Staff A	ssigned AL	L			Ef	ffectivity Type		In Date 04/07/19		Eff Out Date 2006/03/15						
nark / FOR 2005																					
Element UCC's CFB CFP	EERING COLUMN ATTA	ACHING SLOTS WITH	N	ON I/P C		AM. Gey N	Тур	М	Val	Υ	MCT	0.00000		Freq	1	ROS	N		Plants	: STH	
# PUSH COLUM Remark	IN ONTO STUDS.																		Plants	: STH	
Element UCC's CFB CFP		C/S	N	Ins	N K	ey N	Тур	M	Val	Y	MCT	0.00000		Freq	1	ROS	N				
Remark	UTS FROM STOCK.	ON OR SUBSTITUTIO C/S	N * N	Ins	N K	iey N	Тур	М	Val	Υ	MCT	0.00000		Freq	1	ROS	N		Plants	: STH	
	3 S424	NC00 110401 00		Side Qua	intity U	ОМ		uantity 4.00	UOM EA		C/S Part/Descri	ption					Status	Side Quantity	UOM	Side Quantity	v UON

Notice Number	NC00 E11307293 7	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations	0	Process Number
Family Model Year CFB 2005.00	Revision Copy Concern Number 1 0	er Study / Alternative C/N Status D	YN	ASSM. STRNG. COLUMN TO CROSS CAR BEAM			F R C 03440

0'		4 040 0055050	P I P. I	0007/00/00 47 00	INCONTROLLED DOCUMENT	
Process Owner : Gjorgjevski, B. (Boris)	Phone:	1-313-8055853	Report Date:	2007/08/03 17:00	UNCONTROLLED DOCUMENT	
EIe # HANDSTART (1) {BOTTOM} NUT ONTO I/P CAR BEAM STUDS. 20 Remark * NOTE: 1 NUT IS USED TO TILT COLUMN TOWARD OPERATOR IN ORDER TO INS * NOTE: THE 4TH NUT IS ATTACHED ON PROCESS CX3750. C/S N Ins N	TALL PRNDL BR Key N	RACKET Typ M	Val Y MCT 0.00000	Freg 1 F	Plants	: STH
Element UCC's CFB CFP						
EIe # HANDSTART (2) {REMAINING} NUTS ONTO I/P CAR BEAM STUDS 25 Remark NOTE: 4TH NUT IS ATTCHED DURING INSTALL OF PARK BRAKE BRACE. C/S N Ins N	Key N	Тур М	Val Y MCT	Freq 1 F	Plants	: STH
Element UCC's CFB CFP						
Ele # SECURE (3) NUTS TO SPECIFIED TORQUE USING POWER TOOL. 30 Remark * CONTROL ITEM: TORQUE CONTROL * * NOTE: TIGHTEN (2) AFT NUTS FIRST THEN FRONT NUT. C/S C Ins N	Key N	Түр М	Val Y MCT 0.00000	From 4	Plants	: STH
C/S C Ins N Element UCC's CFB CFP	Key N	Тур М	vai † MCT 0.00000	Freq 1 F	105 N	
		'ar Minimum 4.50	C/S Tool/Description/Rei 3H13M19H19B38 SKT,3/8SQDR,13MM		Quantity Torque Nom 1 0.00	Var Minimum 0.00

Family Model Year Revision Copy Concern Number Study / Alternative C/N Status CFB 2005.00 1 0 ASSM. STRNG. COLUMN TO CROSS CAR BEAM ASSM. STRNG. COLUMN TO CROSS CAR BEAM F R C 03440	Notice Number	NC00 E11307293 7	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations	0	Process Number
		Revision Copy Concern Number	er Study / Alternative C/N Status D	1/ NI	ASSM. STRNG. COLUMN TO CROSS CAR BEAM			

rocess Owner :	Gjorgjevski, B. (B	Boris)				Phon	ne:	1-313-8	055853		,	Repor	rt Date:	2007/02/16	05:08		UNC	CONTROL	LED DOCUMEN	г		
SSM. STRNG. COLUMN TO	CROSS CAR BEAM																					
rpe Status / Date D 2006/03/15	Causal Code DE	Earlies 2004/07	t In Date 7/19			Latest 2006/0	t Out Date 03/15	3				L/S Ind. L	PFMEA	A								
ference Manuals AC-110401-01		F AC-11040)1-02																			
ocess CPSC's imary Code 110400 110401 110402	Description Steering Column S Steering Column ar Steering Column S	nd Shaft	Lever Boo	ot								Respoi PMT P	nsible PM Program	IT's Model '	Year	Description	1					
copied From arianced Against leplaces deplaced By	Family CFB CFB CFB	Model Year 2000.00 2004.00 2004.00 2006.50	F	Cess Numb R C 344 R C 344 R C 344 R C 344	40 40 40	Revi 1 1 1 1		Copy 0 0 0 0	Conce	ern Numbe	r	Study / Alte	ernative		C/t	١						
sociated Plants H ST. THOMAS ASSEM	ИВLY					Staff Assi Chassis	igned ALI	L			E	Effectivity Type		In Date 04/07/19		Eff Out Date 2006/03/15						
mark V FOR 2005																						
e # ALIGN (4) STEEF Remark	RING COLUMN ATTA	CHING SLOTS WI	TH (4) STI	JDS ON 1/1	P CROSS	BEAM.														Plants	: STH	
Element UCC's CFB CFP		С	/S N	Ins	s N	Key	, N	Тур	М	Val	Y	MCT 0	.00000		Freq	1	ROS	N				
e # PUSH COLUMN (ONTO STUDS.																			Plants	: STH	
Element UCC's CFB CFP		C	/S N	Ins	s N	Key	, N	Тур	М	Val	Υ	MCT 0	0.00000		Freq	1	ROS	N				
Ele # OBTAIN (3) NUTS 7 Remark	S FROM STOCK. M: NO PART OMISSIO	NA OD QUIDOTITU	FION! +																	Plants	: STH	
Element UCC's CFB	M: NO PART OMISSIC		/S N	Ins	s N	Key	, N	Тур	М	Val	Y	MCT 0	.00000		Freq	1	ROS	N				
C/S Part/Description N806423 NUT & WASHER - M8)		NC00 110401		tus Side C	Quantity	UON	Л		uantity 4.00	UOM EA		C/S Part/Descrip	ition					Status	Side Quantity	UOM	Side Quantity	UOM
0 Remark * NOTE: 1 NUT IS	{BOTTOM} NUT ONT S USED TO TILT COL H NUT IS ATTACHED	UMN TOWARD OF ON PROCESS CX	PERATOR		R TO INSTA		IDL BRAC	CKET Typ	М	Val	Υ	MCT 0	1.00000		Freq	1	ROS	N		Plants	: STH	
tice Number NC00	E 11307293 7	,		Stati	on				Critical	Signific ts Elemer		Primary CPSC		110400				Illustrat	ions	0	- Process Number	

Process Owner : Gjorgjevski, B. (Boris)	P	hone: 1-313-80	55853	Report Date: 2007/02/16 0	5:08 UN	ICONTROLLED DOCUMENT	
Element UCC's CFB	BRACE.	Key N Typ	M V al Y	мст	Freq 1 ROS	Plants	: STH
Ele # SECURE (3) NUTS TO SPECIFIED TORQUE USING POWER TOO Remark * CONTROL ITEM: TORQUE CONTROL *	<u>.</u>					Plants	: STH
* NOTE: TIGHTEN (2) AFT NUTS FIRST THEN FRONT NUT. C/S C/S CFB CFP CFP	Ins N	Key N Typ	M Val Y	MCT 0.00000	Freq 1 ROS	N N	
C/S Tool/Description/Remark C CA N10T RT ANGLE NUTRUNNER TORQUE SHUT OFF	Quantity Torqu 1 30.0		Minimum	C/S Tool/Description/Remark 3H13M19H19B38 SKT,3/8SQDR,13MM 6PT,38.11	лм OAL	Quantity Torque Nom 1 0.00	Var Minimum 0.00

Critical Significant Elements Elements Primary CPSC

110400

ASSM. STRNG. COLUMN TO CROSS CAR BEAM

Illustrations

0

NC00 E 11307293 7

Family Model Year Revision Copy Concern Number Study / Alternative CFB 2005.00 1 0

Station

C/N Status D

Notice Number

Process Number

Process Owner : F	Rozanski, S (Stanisl	aw)		Phone:	1-519-6375432		Report Date: 2008/12/2	26 17:06	UNCONTROLLED DOCUMENT		
		uw)		T Hone.	1 313 0073402		Tieport Bate. 2000/12/2	17.00	CHOCKTHOLLED DOCUMENT		
ASSM. STRNG. COLUMN TO CROS Type Status / Date N D 2007/05/01	Causal Code PC	Earliest In Date 2006/03/15		Latest Out Date 2007/05/01			L/S Ind. PFMEA				
Reference Manuals F AC-110401-01		F AC-110401-02									
Y 110400 Ste N 110401 ST	L Description eering Column Subsyst EERING COLUMN ESERVED	stem					Responsible PMT's PMT Program Mode	el Year ALL Descrip	tion		
Copied From Varianced Against Replaces Replaced By	CFB 20 CFB 20 CFB 20	05.00 F R 05.00 F R 05.00 F R	ss Number C 3440 C 3440 C 3440 C 3440	Revision 1 1 1 1	Copy Conc 0 0 0 0	ern Number	Study / Alternative	C/N			
Associated Plants ETH ST. THOMAS ASSEMBLY	,			off Assigned ALL assis			Effectivity Type Eff In Date F 2006/03/15	Eff Out Date 2007/05/01			
Remark REV FOR 2005											
Ele # ALIGN (4) STEERING 5 Remark Element UCC's CFB CFP	COLUMN ATTACHI	NG SLOTS WITH (4) STU	IDS ON I/P CROSS	BEAM. Key N	Тур М	Val	Y MCT 0.00000	Freq 1	ROS N	Plants	: STH
Ele # PUSH COLUMN ONTO 10 Remark Element UCC's CFB CFP	O STUDS.	C/S N	Ins N	Key N	Тур М	Val	Y MCT 0.00000	Freq 1	ROS N	Plants	: STH
Ele # OBTAIN (3) NUTS FROM Remark * CONTROL ITEM: NO Element UCC's CFB CFP		PR SUBSTITUTION * C/S N	ins N	Key N	Тур М	Val	Y MCT 0.00000	Freq 1	ROS N	Plants	: STH
C/S Part/Description N806423 S NUT & WASHER - M8 X 1.28		Status 0 110401 000 C	Side Quantity	UOM	Side Quantity 4.00	UOM EA	C/S Part/Description N806423 S424 NUT & WASHER - M8 X 1.25 HE		Status Side Quantity 004 C	UOM	Side Quantity UOM 4.00 EA
Notice Number			Station		Critical	Sjanifica	nt Primary CPSC 110400		Illustrations	0	1

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Num CFB 2006.50 1 0	nber Study / Alternative C/N Status D	Y N	ASSM. STRNG. COLUMN TO CROSS CAR BEAM			F R C 03440

Process Ov	vner :	Rozanski, S (Stanislaw)					Phone:		1-519-637	75432			Re	eport Date:	2008/12/26	3 17:06		UNC	ONTROLLI	ED DOCUM	IENT		
Ele #	HANDSTART (1 Remark) {BOTTOM} NUT ONTO I/P CAR	BEAM STU	DS.																	Plants	: STH	
20	* NOTE: 1 NUT	IS USED TO TILT COLUMN TOWA TH NUT IS ATTACHED ON PROCE			RDER T	O INSTA	ALL PRNI	DL BRA	CKET														
Fleme	ent UCC's	THO TIO ATTAONED ON THOSE		N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000		Freq	1	ROS	N				
CFB																							
Oll																							
Ele # 25	HANDSTART (2 Remark) {REMAINING} NUTS ONTO I/P (CAR BEAM S	STUDS																	Plants	: STH	
25		IS ATTCHED DURING INSTALL (RAKE BRA		N	Key	N	Тур	М	Val	٧	MCT			Freq	1	ROS	N				
	ent UCC's		0/0		1113	14	Ney	14	ıyp	IVI	Yui		MOI			Ticq		1100	14				
Ele#	SECURE (3) NU	TS TO SPECIFIED TORQUE USIN	IC DOWER	TOOL																	Plants	: STH	
30	Remark	:M: TORQUE CONTROL*	IGT OWEN	1001.																	Tiding	. 0111	
		EN (2) AFT NUTS FIRST THEN FR		С	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000		Freq	1	ROS	N				
	ent UCC's						,		.,,,														
C/S To	ool/Description/R	emark		Qua	ntity 1		que Nom 0.00		.50 M	linimum			3H13M19	escription/R	Remark				Qua	ntity 1	Torque Nom 0.00	Var 0.00	Minimum
		NNER TORQUE SHUT OFF					,,,,,		.00						IM 6PT,38	.1MM OAL				•	0.00	0.00	
No Secure	Templates associ	ated with Tools of this Process																					
Revision Lo Date		scription / Addenda																			Current I	Ele#	Previous Ele #
2007/02/14		rt Added to the Element N806423 S424 NC00 110401 4 N	NC00 E 1183	80558 20																	17		
	og Comments																						
Date 2007/05/11	Recorde 18:09 OPS\$GS		ONVERSIO	N: REASS	SIGNED	PROCES	SS OWNE	ER FROI	M PREVIC	OUS REVISI	ON												

Station

C/N Status

D

Notice Number

CFB 2006.50

Family Model Year Revision Copy Concern Number Study / Alternative

1 0

Critical Elements	Significant Elements	Primary CPSC	110400	Illustrations	0	Proce	ss Numb	nor
Υ	N	ASSM. STRNG. COLUM	IN TO CROSS CAR BEAM					03440
·		·					Page	2 —(Last)

Process Owner :	Messervey, B. C.	(Brandon)		Phone:	1-519-637	5405	Report	t Date: 2008	/12/30 02:25		UNCON	TROLLED DOCUMEN	II .		
SSM. STRNG. COLUMN TO C	ROSS CAR BEAM														
ype Status / Date A 2007/02/14	Causal Code PC	Earliest In 2007/05/01	Date	Latest Out Da	ate		L/S Ind. L	PFMEA							
eference Manuals AC-110401-01		F AC-110401-0	2												
110400 110401	ALL Description Steering Column St STEERING COLUM RESERVED						Respor PMT P	nsible PMT's rogram	Model Year	ALL Descrip	otion				
Copied From Varianced Against Replaces Replaced By	Family CFB CFB CFB	Model Year 2006.50 2006.50 2006.50	Process Number F R C 3440 F R C 3440 F R C 3440	Revision 1 1 1	Copy 0 0 0	Concern Number	Study / Alte	ernative	C/N	N					
sociated Plants 'H ST. THOMAS ASSEME	BLY			Staff Assigned A Chassis	LL		Effectivity Type	Eff In Da 2007/05		Eff Out Date					
mark ERGED LINCOLN USAGE INT	TO THIS PROCESS	FOR 2008													
ie # ALIGN (4) STEERI Remark	ING COLUMN ATTA	ACHING SLOTS WITH	I (4) STUDS ON I/P	CROSS BEAM									Plants	: STH	
Element UCC's CFB CFP CVC		C/S	N Ins	N Key N	Тур	M Val	Y MCT 0.	00000	Freq	1	ROS	N			
CFB	ONTO STUDS	C/S	N Ins	N Key N	Тур	M Val	Y MCT 0.	00000	Freq	1	ROS	N	Plants	: STH	
CFB	ONTO STUDS	C/S	N Ins			M Val		00000	Freq		ROS		Plants	: STH	
CFB CFP CVC Ele # PUSH COLUMN O Remark Element UCC's CFB CFP CVC CVC Ele # OBTAIN (3) NUTS Remark	FROM STOCK		N Ins		Тур	M Val	Y MCT 0.	00000	Freq	1		N	Plants	: STH	
CFB CFP CVC Ele # PUSH COLUMN O Remark Element UCC's CFB CVC CVC Ele # OBTAIN (3) NUTS Remark	FROM STOCK : NO PART OMISSIO	C/S	N Ins	N Key N	Typ Typ	M Val	Y MCT 0.	00000	Freq	1	ROS	N	Plants		UOM
CFB	FROM STOCK : NO PART OMISSIO	C/S DN OR SUBSTITUTIC C/S	N Ins	N Key N	Typ Typ Side Qua	M Val	Y MCT 0. Y MCT 0. C/S Part/Descrip	00000 00000 tion	Freq	1	ROS	N N	Plants	: STH	

Process Ow	/ner	: Messervey, B. C. (Brandon)		Phone:	1-519-637	5405	Re	port Date: 20	08/12/30 02:25	UNCO	NTROLLED DOCUM	ENT		
Ele #	HANDSTAF Remark	RT (1) {BOTTOM} NUT ONTO I/P CAR BEAM	STUDS									Plants	: STH	
		NUT IS USED TO TILT COLUMN TOWARD OF HE 4TH NUT IS ATTACHED ON PROCESS CX C/S	3750.			M Val	Y MCT	0.00000	Freq 1	ROS	N			
CFB	ent UCC's	G.S.	N Ins N	Key N	Тур	W Vai	Y IVICI	0.00000	rreq 1	HOS	N			
Ele # 25	Remark	RT (2) {REMAINING} NUTS ONTO I/P CAR BE	K BRAKE BRACE.									Plants	: STH	
CFB	ent UCC's	C/S	N Ins N	Key N	Тур	M Val	Y MCT		Freq 1	ROS	N			
Ele # 30	Remark * CONTRO	3) NUTS TO SPECIFIED TORQUE USING PO L ITEM: TORQUE CONTROL * GHTEN (2) AFT NUTS FIRST THEN FRONT N	JT.	Key N	Тур	M Val	Y MCT	0.00000	Freq 1	ROS	N	Plants	: STH	
CFB	ent UCC's	G.S.	C IIIS IV	Key N	Тур	W Vai	T WCT	0.00000	rieq	nos	N			
C CA		on/Remark TRUNNER TORQUE SHUT OFF	Quantity 1	Torque Nom 30.00	Var Mi 4.50	nimum	3H13M19		6PT,38.1MM OAL		Quantity 1	Torque Nom 0.00	Var 0.00	Minimum
No Secure 1	Templates as	ssociated with Tools of this Process												
Revision Lo Date 2008/02/20 1 2008/08/06 1 2008/08/15 1	13:20 10:07	Description / Addenda GC Process Owner Revised, Prior Owner Wa DHSIEH1 GC Process Owner Revised, Prior Owner Wa SROZANSK GC Process Owner Revised, Prior Owner Wa JMCALPI1	s									Current E	le#	Previous Ele #
		T												

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations 0	Process Number
Family Model Year Revision Copy Concern Num CFB 2008.00 1 0	nber Study / Alternative C/N Status A	YN	ASSM. STRNG. COLUMN TO CROSS CAR BEAM		F R C 03440

PE12-025 FORD 11/9/2012 APPENDIX K Process Number FRC 03580

Process Owner :	Gjorgjevski, B. (Boris	s)	Phone:	1-313-8	055853		Report I	Date: 2007/07/29	03:00	UNCONTROLLED DOCUM	ENT	
LOOSE ASSM COL EXT SHA	AFT TO COL BOOT & SE	CURE TO STNG COL										
Type Status / Date N D 2004/09/17	Causal Code PC	Earliest In Date 2004/08/17	Latest Ou 2004/09/1				L/S Ind. L	PFMEA				
Reference Manuals F VC-110401-01												
Process CPSC's Primary Code Y 110400 N 110401 N 110402	Description Steering Column Subs STEERING COLUMN Steering Column Shift	ystem Lever and Shift Lever Boot					Respons PMT Pro	sible PMT's ogram Model '	Year Description	n		
Copied From Varianced Against Replaces Replaced By	CFB 2 CFB 2 CFB 2	Model Year Process 2005.00 F R C 2005.00 F R C 2005.00 F R C 2005.00 F R C	3580 1 3580 1 3580 1	Copy 0 0 0 0	Concern N	lumber	Study / Alter	rnative	C/N			
Associated Plants STH ST. THOMAS ASSE	EMBLY		Staff Assigne Chassis	d ALL		Е	ffectivity Type F	Eff In Date 2004/08/17	Eff Out Date 2004/09/17			
Remark REVISE FOR 2005 MY. NEW ADD - FLAG VEHICLE FOR N	V M10 FASTENER FOR EX NON SECURED BOOT NU	KT SHAFT TO COLUMN ITS										
10 Remark * CONTROL ITE	EERING COLUMN EXTEN EM: NO PART OMISSION ALL AS SHOWN	ISION SHAFT FROM STOCK OR SUBSTITUTION. C/S C	Ins N Key I	N Тур	М	Val Y	MCT 0.00	0000	Freq 1	ROS N	Plants	: STH
C/S Part/Description C 5W13 3F728 EXT ASY-STNG COL		Status 200 110401 000 C	Side Quantity UOM	Side C	uantity UO 1.00 EA		C/S Part/Description	on		Status Side Quant	ity UOM	Side Quantity UOM
Ele # OBTAIN (1) EXT	TENSION SHAFT BOOT	(AND RETAINER) FROM STO	оск.								Plants	: STH
Element UCC's CFBCFP		C/S N	Ins N Key	N Тур	М	Val Y	MCT 0.00	0000	Freq 1	ROS N		
Ele # INSERT BOOT 30 Remark	AND RETAINER ONTO C	OLUMN EXTENSION SHAFT	:								Plants	: STH
Element UCC's CFB CFP		C/S N	Ins N Key I	N Typ	М	Val Y	MCT 0.00	0000	Freq 1	ROS N		
Notice Number			Station		Critical S Elements E	ignificant Iements	Primary CPSC	110400		Illustrations	0	Process Number

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Nur CFB 2005.00 2 0	nber Study / Alternative C/N Status D	YN	LOOSE ASSM COL EXT SHAFT TO COL BOOT	& SECURE TO STNG COL		F R C 03580

cess Own	er :	Gjorgjevski, B. (Boris	5)				Phone	e:	1-313-8	055853			Re	eport Date:	2007/07/29 03:00		UNC	ONTROL	LED DOCUMEN	T			
	POSITION BOO Remark	OT AND RETAINER TO PE	ROPER LOCATION	N ON EXT	TENSION	SHAFT														Plants	: STH		
			C/S	N	Ins	N	Key	N	Тур	M	Val	Υ	мст	0.00000	Freq	1	ROS	N					
Element CFB																							
CFP																							
		ISION SHAFT UNIVERSA	L JOINT THRU H	OLE IN D/	ASH PA	ANEL.														Plants	: STH		
	Remark																						
Element	t UCC's		C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	Freq	1	ROS	N					
CFB																							
	INSERT BOOT I Remark	RETAINER FLANGE HOL	LES OVER EXISTI	NG DASH	I PANEL	STUDS.														Plants	: STH		
			C/S	N	Ins	N	Key	N	Тур	M	Val	Υ	MCT	0.00000	Freq	1	ROS	N					
Element CFB																							
CFP																							
# (OBTAIN (2) NU	TS FROM STOCK.																		Plants	: STH		
	Remark																						
			C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	Freq	1	ROS	N					
Element CFB																							
CFP																							
	Description N806385		000 110401 0		Side Q	Quantity	UOM	I		uantity 2.00	UOM EA	1	C/S Part/Des	N806385		WPTS 0318			Side Quantity	UOM	Side Q	uantity 3.00	UOM EA
NUT&	WASHER-M6X1	1.0 HEX (PAINT SCRP)											NUT&WA	ASHER-M6X	1.0 HEX (PAINT SCRP)							
# 1	HANDSTART (2	2) NUTS ONTO (2) DASH I	PANEL STUDS.																	Plants	: STH		
	Remark * NOTE: NUTS S	SECURED IN PROCESS (Cl3280																				
		0_0010	C/S	N	Ins	N	Key	N	Тур	M	Val	Υ	MCT	0.00000	Freq	1	ROS	N					
Element CFB																							
CFP																							
		OOSE ASSEMBLED) NU	TS {ON DASH PA	NEL STU	DS ATTA	CHING S	HAFT B	A TOO	ND RETAIN	IER TO DA	ASH PANE	EL}.								Plants	: STH		
	Remark NOTE: TIGHTEI	N NUTS ALTERNATELY A	AND EVENLY. WH	HEN BOTH	H NUTS C	ANNOT I	BE SECU	JRED B	Y OPERAT	OR, VEHI	CLE MUS	T BE T	AGGED BY I										
Element	t UCC's		C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT		Freq	1	ROS	N					
CFB																							
	I/Description/Re	emark		Q	Quantity	То	rque No	om V	/ar	Minimum			C/S Tool/D		Remark			Qı		orque Nom		Minimum	
2H10N	//10H16B28 ,1/4SQDR, 10M	IM, HEX, 16MM O.D., STD	LENGTH		1								CA N 5T RT AN		INNER TORQUE SHU	T OFF			1	10.50	1.60		
SKT	S00052485				1							ij.											
SKT					Station					Critical	Signifi		Primary Cl		110400			Illustrat		0	1		

D

CFB 2005.00

2 0

Elements	110100	maditations 0	Process Number
Liements			
N	LOOSE ASSM COL EXT SHAFT TO COL BOOT & SECURE TO	O SING COL	F R C 03580
1 1			1 11 0 00000
	<u>'</u>		Page 2 —

rocess Own	ner	: Gjorgjevski, B. (Boris)					Phone:	:	1-313-8	3055853			R	leport Date:	2007/07/29 03:00			UNC	ONTROLLED DO	CUMENT		
6 IN	I. EXTENSIC	DN																				
	ALIGN EXTI Remark	ENSION SHAFT WITH STEERING	G COLUMN UNIV	VERSAL	JOINT.							ı								Plants	: STH	
Elemen CFB CFP			C/S	N	Ins	N	Key	N	Тур	M	Val	Υ	мст	0.00000	Freq	1		ROS	N			
	INSERT EXT	TENSION SHAFT INTO STEERIN	G COLUMN UN	IVERSA	L JOINT.															Plants	: STH	
			C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	Freq	1		ROS	N			
CFB																						
	OBTAIN (1) Remark	BOLT FROM STOCK.																		Plants	: STH	
,	* CONTROL	. ITEM: NO PART OMISSION OR		N N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	Freq	1		ROS	N			
CFB																						
	INSERT BO	LT THRU STEERING UNIVERSA	L JOINT AND E	XTENSI	ON SH	IAFT (GROOVE.													Plants	: STH	
Elemen CFB CFP			C/S	N	Ins	N	Кеу	N	Тур	M	Val	Υ	мст	0.00000	Freq	1		ROS	N			
	TIGHTEN B	OLT WITH POWERTOOL.										-								Plants	: STH	
Elemen CFB	* CONTROL at UCC's	. ITEM: TORQUE CONTROL	C/S	С	Ins	N	Key	N	Тур	М	Val	Υ	МСТ	0.00000	Freq	1		ROS	N			
3H15N	ol/Descriptio M20H20M38		ETIC	Q	uantity 1		Torque Non	n \	/ar	Minimum			C CA N10		emark NNER TORQUE SI	HUT O	FF		Quantity 1	Torque Nom 30.00	Var 5.00	Minimum
sion Log	0:00	Description / Addenda Causal Code Given As Reason for PROCESSCLARIFICATION	or the Revision																	Current E	le #	Previous Ele
/08/17 00 /08/17 00		Process Was Completed By BGJORGJE Element Remark Revised																		85		
		= NOTE: TIGHTEN NUTS ALTEI < NOTE: TIGHTEN NUTS ALTEI				BOTH	I NUTS CAN	INOT E	BE SECUF	RED BY OPI	ERATOR	, VEHIC	CLE MUST B	E TAGGED B	Y PLACING A STIC	KER O	N THE BOD	Y.				
k/08/17 00 k/08/17 00		Part Deleted from the Element N806385 S424 WPTS 031801 0 Part Deleted from the Element) WPTS E 11491	1391 0																70 70		
ce Numb	nor.				Station					Critical	Signif	ficant	Primary C	PSC	110400				Illustrations	0	1	

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Num CFB 2005.00 2 0	nber Study / Alternative C/N Status D	Y N	LOOSE ASSM COL EXT SHAFT TO COL BOOT & S	ECURE TO STNG COL		F R C 03580

Process Owner :	Gjorgjevski, B. (Boris)	Phone:	1-313-8055853	Report Date:	2007/07/29 03:00	UNCONTROLLED DOCUMENT	
	N806385 S424 WPTS 031801 0 WPTS E 11356462 11						
Notice Number		Station	Critical Significant	Drimany CDSC	110400	Illustrations 0	

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Nur CFB 2005.00 2 0	mber Study / Alternative C/N Status D	Y N	LOOSE ASSM COL EXT SHAFT TO COL BOOT &	SECURE TO STNG COL		F R C 03580

Process Owner :	Gjorgjevski, B. (Boris)			Phone:	1-313-80	155853		Reno	ort Date: 2007/07	7/29 03:00		LINCONTROL	LED DOCUMENT			
		DE TO CENO COL		T HOHE.	101000	333030		Перо	11 Date: 2007/07	723 00.00		ONCONTINO	LED DOCUMENT			
LOOSE ASSM COL EXT SHAI	Causal Code	Earliest In Date		Latest Out Date				L/S Ind.	PFMEA							
Type Status / Date N D 2005/07/29	PC PC	2004/10/01		2005/07/29				L L	FIMEA							
Reference Manuals F VC-110401-01																
Process CPSC's Code Primary Code Y 110400 N 110401 N 110402	Description Steering Column Subsyste STEERING COLUMN Steering Column Shift Lev								onsible PMT's Program Mod	del Year	Description					
Copied From Varianced Against Replaces Replaced By	Family Mod CFB 2008 CFB 2008 CFB 2008 CFB 2008	5.00 F R (5.00 F R (C 3580 C 3580	Revision 3 3 1	Copy 0 0 0	Conce	rn Number	Study / Al	ternative	C/l	N					
Associated Plants STH ST. THOMAS ASSEM	MBLY			aff Assigned ALL assis				Effectivity Type	Eff In Date 2004/10/01		Eff Out Date 2005/07/29					
Remark REVISE FOR 2005 MY. NEW I ADD - FLAG VEHICLE FOR NO																
10 Remark * CONTROL ITEM	ERING COLUMN EXTENSION W: NO PART OMISSION OR LL AS SHOWN		C. Ins N	Key N	Тур	М	Val Y	MCT (0.0000	Freq	1	ROS N		Plants	: STH	
C/S Part/Description 3W13 3F728 EXT ASY-STNG COL S		Status 110401 000 C	Side Quantity	UOM	Side Qu		UOM EA		ption 3F728 AC TNG COL SHFT		NC00 11040		Side Quantity	UOM	Side Quantity 1.00	UOM EA
Ele # OBTAIN (1) EXTI 20 Remark	ENSION SHAFT BOOT {AN	D RETAINER} FROM STO	оск.											Plants	: STH	
Element UCC's CFBCFP		C/S N	ins N	Key N	Тур	M	Val Y	MCT (0.00000	Freq	1	ROS N				
Ele # INSERT BOOT A 30 Remark	AND RETAINER ONTO COL	UMN EXTENSION SHAF	г.											Plants	: STH	
Element UCC's CFB CFP		C/S N	Ins N	Key N	Тур	M	V al Y	MCT (0.00000	Freq	1	ROS N				
						Laur									1	
Notice Number			Station			Critical Elements	Significan s Elements	t Primary CPS0	11040)()		Illustra	tions	0	Process Number	

Notice Number		Critical Elements	Significant Flements	Primary CPSC	110400	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Number CFB 2005.00 4 0	Study / Alternative C/N Status D	Y	N	LOOSE ASSM COL EXT	SHAFT TO COL BOOT	& SECURE TO STNG COL		F R C 03580
				•				Domo 1

Process Ov	vner	:	Gjorgjevski,	B. (Boris)					Phone	e:	1-313-80	055853			Re	eport Date:	2007/07/29 03:00	UN	CONTR	OLLED DOCUMEN	IT		
Ele # 40	POSITION Remark	BOOT A	AND RETAINE	R TO PROPER L	OCATION	I ON EXT	ENSION	SHAF	Т.												Plants	: STH	
CFB	ent UCC's				C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq 1	ROS	N				
Ele # 50	INSERT E	CTENSIC	ON SHAFT UN	IVERSAL JOINT	THRU HO	DLE IN DA	ASH P	ANEL.													Plants	: STH	
CFB	ent UCC's				C/S	N	Ins	N	Key	N	Тур	M	Val	Y	МСТ	0.00000	Freq 1	ROS	N				
Ele #	INSERT B Remark	OOT RE	TAINER FLAN	GE HOLES OVE	R EXISTIN	NG DASH	I PANEL	STUD	S.												Plants	: STH	
CFB	ent UCC's				C/S	N	Ins	N	Key	N	Тур	M	Val	Y	МСТ	0.00000	Freq 1	ROS	N				
Ele # 70	OBTAIN (2 Remark) NUTS	FROM STOCK	<u>. </u>																	Plants	: STH	
CFB	ent UCC's				C/S	N	Ins	N	Key	N	Тур	M	Val	Y	МСТ	0.00000	Freq 1	ROS	N				
Ele #	Remark			DCESS CI3280.	STUDS.																Plants	: STH	
CFB	ent UCC's	010 02	SONED IIVI III	010200	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq 1	ROS	N				
Ele # 85	Remark			ED} NUTS {ON I		EN BOTH	H NUTS (BE SEC			OR, VEHI		T BE T	FAGGED BY F	PLACING A	STICKER ON THE BODY. Freq 1	ROS	N		Plants	: STH	
CFP																							
2H1 SH CMF	PS0005248	3 , 10MM, 5		.D., STD LENGTI	Н	Q	luantity 1	T	orque No	m V	ar	Minimum			C/S Tool/D CA N 5T RT AN		Remark UNNER TORQUE SHUT OFF				orque Nom 10.50	Var 1.60	Minimum
6	N. EXTENS	UN																					

Notice Number	Station	Critical Significant	Primary CPSC 110400	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Num CFB 2005.00 4 0	per Study / Alternative C/N Status D		LOOSE ASSM COL EXT SHAFT TO COL BOOT & SI	ECURE TO STNG COL		F R C 03580

Process O	wner	: Gjo	gjevski, B. (E	Boris)					Phone	:	1-313-8	055853			R	eport Date:	2007/07/29 03:00		UNC	ONTROLLED DOCU	MENT		
Ele # 90	ALIGN EX	TENSION SHA	FT WITH ST	EERING CO	LUMN UNI	VERSAL	JOINT.														Plants	: STH	
CFB-	ent UCC's				C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq	1	ROS	N			
Ele #	INSERT E	KTENSION SH	AFT INTO S	TEERING CO	DLUMN UN	IIVERSA	L JOINT.														Plants	: STH	
CFB-	ent UCC's				C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	Freq	1	ROS	N			
CFB-	Remark) BOLT FRON		ION OR SUB			Ins	N	Key	N	Тур	М	Val	Υ	МСТ	0.00000	Freq	1	ROS	N	Plants	: STH	
Ele #	INSERT B	OLT THRU ST	EERING UNI	VERSAL JOI	INT AND E	XTENSI	ON SI	HAFT GI	ROOVE.												Plants	: STH	
CFB-	ent UCC's				C/S	N	Ins	N	Key	N	Тур	M	Val	Υ	MCT	0.00000	Freq	1	ROS	N			
Ele #	HANDSTA Remark	RT (1) BOLT																			Plants	: STH	
CFB-	ent UCC's				C/S	N	Ins	N	Key	N	Тур	M	Val	Υ	MCT		Freq	1	ROS	N			
CFB-	Remark * CONTRO ent UCC's	BOLT WITH PO			C/S	С	Ins	N	Key	N	Тур	М	Val	Y	мст	0.00000	Freq	1	ROS	N	Plants	: STH	
C/S T	15M20H20M3	ion/Remark 8 ,15MM 6PT,	38.1MM OAL	"MAGNETIC		Q	uantity 1	T	orque No	m V	'ar	Minimum			C/S Tool/D C CA N10' RT AN	Г	Remark INNER TORQUE SHU	JT OFF		Quantity 1	Torque Nom 30.00	Var 5.00	Minimum
Revision L Date 2004/10/01 2004/10/01	00:00	Causal Cod PROCESSO	n / Addenda e Given As R CLARIFICATI s Completed	leason for the ON	Revision																Current E	le#	Previous Ele #
Notice Nur	nber						Station	1				Critical	Signifi		Primary C	PSC	110400			Illustrations	0	<u> </u>	
Family M	lodel Year 005.00	Revision C	opy Conce	rn Number	Study	/ Alterna	tive	C/N	Statu D	s		Elements	Eleme		LOOSE AS	SSM COL EX	CT SHAFT TO COL BO	OOT & S	ECURE TO ST	NG COL		F F	Number 03580

	Proc	ess N	lumbe	er	
HAFT TO COL BOOT & SECURE TO STNG COL	F	R	С	03580	
	<u> </u>	_ Pa	ige 3		

Process Owner	: Gjorgjevski, B. (Boris)	Phone:	1-313-8055853	Report Date: 2007/07/29 03:00	UNCONTROLLED DOCUMENT	
004/10/01 00:00	KTHOMSO2				77.	
04/10/01 00:00	Part Deleted from the Element N806385 S424 WPTS 031801 0 WPTS E 11427227 12				7	J
04/10/19 20:37	Part Added to the Element				1)
04/10/19 20:37	3W13 3F728 AB NC00 110401 0 NC00 E 11427227 62 Part Added to the Element				11)
04/10/19 20:37	5W13 3F728 AC NC00 110401 0 NC00 E 11427227 70 Part Added to the Element				11	1
0 17 107 10 20.07	5W13 3F728 AC NC00 110401 0 NC00 E 11427227 91				·	,
as Novele :			lower or m		Wheekeedte	
ce Number	Station		Critical Significa	ant Primary CPSC 110400	Illustrations 0	

LOOSE ASSM COL EXT SHAFT TO COL BOOT & SECURE TO STNG COL

CFB 2005.00

Family Model Year Revision Copy Concern Number Study / Alternative

0

C/N Status

D

Process Owner : Gjorgjevski, B. (Boris)	Phone: 1-313-8	3-8055853	Report Date: 2007/08/03 17:00	UNCONTROLLED DOCUMENT	
LOOSE ASSM COL EXT SHAFT TO COL BOOT & SECURE TO STNG COL			<u> </u>		
Type Status / Date Causal Code Earliest In Date N D 2006/03/20 DE 2005/08/02	Latest Out Date 2006/03/20		L/S Ind. PFMEA		
Reference Manuals F VC-110401-01					
Process CPSC's Primary Code Description Y 110400 Steering Column Subsystem N 110401 STEERING COLUMN N 110402 Steering Column Shift Lever and Shift Lever Boot			Responsible PMT's PMT Program Model Year Description		
Copied From CFB 2005.00 F R C 3580 Varianced Against CFB 2005.00 F R C 3580 Replaces CFB 2005.50 F R C 3580 Replaced By CFB 2006.50 F R C 3580	Revision Copy 4 0 4 0 1 0 1 0	py Concern Number	Study / Alternative C/N		
	Staff Assigned ALL Chassis	Eff	rectivity Type		
Remark REVISE FOR 2005 MY. NEW M10 FASTENER FOR EXT SHAFT TO COLUMN ADD - FLAG VEHICLE FOR NON SECURED BOOT NUTS 2006 - ADD HEX FREE FASTENERS					
Ele # OBTAIN (1) STEERING COLUMN EXTENSION SHAFT FROM STOCK. 10 Remark * CONTROL ITEM: NO PART OMISSION OR SUBSTITUTION. INSTALL AS SHOWN C/S C Ins N Element UCC's CFB	Key N Typ	p M V al Y	MCT 0.00000 Freq 1	Plants	: STH
C/S Part/Description Status Side Quantity C 5W13 3F728 AC NC00 110401 000 C C EXT ASY-STNG COL SHFT EXT ASY-STNG COL SHFT C	/ UOM Side Q	Quantity UOM C	/S Part/Description	Status Side Quantity UOM	Side Quantity UOM
Ele # OBTAIN (1) EXTENSION SHAFT BOOT {AND RETAINER} FROM STOCK. 20 Remark				Plants	: STH
C/S N Ins N Element UCC's CFB CFP	Key N Typ	p M Val Y	MCT 0.00000 Freq 1	ROS N	
Ele # INSERT BOOT AND RETAINER ONTO COLUMN EXTENSION SHAFT. 30 Remark				Plants	: STH
C/S N Ins N Element UCC's CFB CFP	Key N Typ	p M Val Y	MCT 0.00000 Freq 1	ROS N	
Notice Number NC00 E 11427227 301 Station	,	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations 0	Process Number
Family Model Year Revision Copy Concern Number Study / Alternative C/N CFB 2006.00 1 0	N Status D		LOOSE ASSM COL EXT SHAFT TO COL BOOT & SECURE	TO STNG COL	F R C 03580

		: (Gjorgjevski, B. (Boris)					Phone:		1-313-80	155853			R	eport Date:	2007/08/03 17:00		UNC	ONTROLLE	D DOCUMEN	l			
Ele # 10	POSITION Remark	N BOOT AN	D RETAINER TO PROPE	R LOCATION	I ON EXT	ENSION	SHAFT.														Plants	: STH		
Elom	ent UCC's			C/S	N	Ins	N	Key	N	Тур	M	Val	Υ	MCT	0.00000	Freq	1	ROS	N					
CFB-																								
CFP-																								
Ele # 60	INSERT E Remark	EXTENSION	SHAFT UNIVERSAL JO	INT THRU HO	LE IN DA	ASH P	ANEL.														Plants	: STH		
Elom	ent UCC's			C/S	N	Ins	N	Key	N	Тур	M	Val	Υ	MCT	0.00000	Freq	1	ROS	N					
CFB-																								
le # 0	INSERT E	BOOT RETA	INER FLANGE HOLES (OVER EXISTIN	NG DASH	PANEL	STUDS.														Plants	: STH		
				C/S	N	Ins	N	Kev	N	Тур	М	Val	Υ	мст	0.00000	Freq	1	ROS	N					
	ent UCC's				,			-,		71-	•													
le # 0	OBTAIN ((2) NUTS FR	ROM STOCK.																		Plants	: STH		
				C/S	N	Ins	N	Kev	N	Тур	М	Val	Υ	MCT	0.00000	Frea	1	ROS	N					
	ent UCC's			0,0				,		٠,٢٢		****			0.0000	1104								
CFP- C/S Pa	t/Descriptio	06385	S424 NC00 EX (PAINT SCRP)	110401 00		Side (Quantity	UOM			uantity 2.00	UOM EA		C/S Part/Des	scription				Status S	ide Quantity	UOM	Side 0	uantity U	ОМ
CFP- C/S Pa	t/Description N80 T&WASHER	06385 : I-M6X1.0 HE	EX (PAINT SCRP)			Side (Quantity	UOM						C/S Part/De:	scription				Status S	ide Quantity			uantity U	ОМ
CFP- C/S Pa NU	t/Description N80 T&WASHER HANDSTA	06385 SI-M6X1.0 HE		EL STUDS.		Side (Quantity	UOM						C/S Part/De	scription				Status S	ide Quantity	UOM	Side C	uantity U	ОМ
CFP- C/S Pa NU le # 0	HANDSTI, Remark * NOTE: N	06385 SI-M6X1.0 HE	EX (PAINT SCRP) FS ONTO (2) DASH PANI	EL STUDS.			Quantity	UOM	N		2.00	EA	Y		0.00000	Freq	1	ROS		ide Quantity			uantity U	OM
CFP- C/S Pa NU e #	t/Description N80 T&WASHER HANDSTI Remark * NOTE: No	06385 SI-M6X1.0 HE	EX (PAINT SCRP) FS ONTO (2) DASH PANI	EL STUDS.	0 C				N		2.00	EA				Freq	1			ide Quantity			uantity U	OM
CFP-C/S Pa NU e #	HANDSTINE NOTE: N	06385 : I-M6X1.0 HE ART (2) NUT NUTS SECU	EX (PAINT SCRP) FS ONTO (2) DASH PANI	EL STUDS. 30. C/S	N	Ins	N	Key		Тур	M	Val	Y			Freq	1			ide Quantity			uantity U	OM
CFP-CC/S Par NU Elem CFB-CFP-Lie #	HANDSTA Remark NOTE: N TIGHTEN Remark NOTE: TI	06385 : -M6X1.0 HE ART (2) NUTS SECU	EX (PAINT SCRP) TS ONTO (2) DASH PANI RED IN PROCESS C1328	EL STUDS. 30. C/S DN DASH PAR	N N	Ins OS ATTA	N ACHING S	Key HAFT BO	OOT AND	Typ D RETAIN	M ER TO DA	Val ASH PANE	Y ====================================	MCT	0.00000		DDY.		N	ide Quantity	Plants	: STH	uantity U	OM
CFP-C/S Pa NU Ele# CFB-CFP- Elem CFB- CFB- Elem CFB-	HANDSTI Remark * NOTE: N TIGHTEN Remark	06385 : -M6X1.0 HE ART (2) NUTS SECU	EX (PAINT SCRP) TS ONTO (2) DASH PANI RED IN PROCESS CI328 E ASSEMBLED} NUTS (0)	EL STUDS. 30. C/S DN DASH PAR	N N NEL STUD	Ins OS ATTA	N ACHING S CANNOT E	Key HAFT BO	OOT AND	Typ D RETAIN OPERAT	M ER TO DO	Val ASH PANE	Y EL}. T BE T.	MCT	0.00000	TICKER ON THE BO	DDY.	ROS	N	ide Quantity	Plants	: STH	uantity U	OM
CFP-C/S Pa NU Elem CFB-CFP-Elem CFB-CFP-C/S T 2H'	HANDSTA Remark NOTE: N TIGHTEN Remark NOTE: TI ent UCC's	06385 S-M6X1.0 HE ART (2) NUTS SECU 1 (2) {LOOSE GHTEN NUT	EX (PAINT SCRP) TS ONTO (2) DASH PANI RED IN PROCESS C1328 E ASSEMBLED) NUTS (C	EL STUDS. 30. C/S DN DASH PAN C/S	N NEL STUD EN BOTH N	Ins OS ATTA	N ACHING S CANNOT E	Key HAFT BO	POT ANI RED BY N	Typ D RETAIN OPERAT Typ	M ER TO DO	Val ASH PANE	Y Y EL). T BE T. Y	MCT AGGED BY MCT C/S Tool/C	0.00000 PLACING A ST	TICKER ON THE BU Freq	DDY. 1	ROS	N N	ntity To	Plants	: STH	uantity U	OM
CFP-C/S T 2HT S	HANDSTA Remark NOTE: N TIGHTEN Remark NOTE: TI ent UCC's	D6385 ST-M6X1.0 HE ART (2) NUT NUTS SECU I (2) {LOOSE GHTEN NUT tion/Remark 28 R, 10MM, HE	EX (PAINT SCRP) IS ONTO (2) DASH PANI RED IN PROCESS C1328 E ASSEMBLED) NUTS (C TS ALTERNATELY AND I	EL STUDS. 30. C/S DN DASH PAN C/S	N NEL STUD EN BOTH N	Ins OS ATTA	N ACHING S CANNOT E	Key HAFT BO BE SECUE Key	POT ANI RED BY N	Typ D RETAIN OPERAT Typ	M MER TO DA OR, VEHI M	Val ASH PANE	Y Y EL). T BE T. Y	MCT AGGED BY MCT C/S Tool/C	0.00000 PLACING A ST	TICKER ON THE BO Freq emark	DDY. 1	ROS	N N	ntity To	Plants Plants	: STH		OM
CFP- C/S Pa NU Elem CFB- CFP- Lie # 5 Elem CFB- CFP- CFB- CFB- CFB- CFB- CFB- CFB- CFB- CFB	HANDST/Remark NOTE: N Remark NOTE: TIGHTEN Remark N	D6385 ST-M6X1.0 HE ART (2) NUT NUTS SECU I (2) {LOOSE GHTEN NUT tion/Remark 28 R, 10MM, HE	EX (PAINT SCRP) FS ONTO (2) DASH PANI FRED IN PROCESS C1328 E ASSEMBLED} NUTS (C TS ALTERNATELY AND I	EL STUDS. 30. C/S DN DASH PAN C/S	N NEL STUD EN BOTH N	Ins DS ATTA I NUTS (Ins 1	N ACHING S CANNOT E N	Key HAFT BO BE SECUE Key	POT ANI RED BY N	Typ D RETAIN OPERAT Typ	M ER TO D OR, VEHI M Winimum	Val ASH PANE CLE MUS Val	Y EL}. T BE T. Y	MCT AGGED BY MCT C/S Tool/C	0.00000 PLACING A S' Description/Re	TICKER ON THE BO Freq emark	DDY. 1	ROS	N N	itity To	Plants Plants	: STH	Minimum	OM

ocess O	Owner	: Gj	orgjevski, B. (Boris)					Phone	:	1-313-80	055853			R	eport Date:	2007/08/03 17:00		UNG	CONTROLLED D	OCUMENT		
6	6 IN. EXTENSI	ION																				
e #)	ALIGN EX	TENSION SH	HAFT WITH STEERING	COLUMN UNI	VERSAL	JOINT.							ı							Plants	: STH	
				C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	Fred	1	ROS	N			
	nent UCC's																					
CFP-)																					
le #	INSERT EX	XTENSION S	HAFT INTO STEERING	COLUMN UN	IIVERSA	L JOINT.														Plants	: STH	
				C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	Fred	1	ROS	N			
	nent UCC's																					
)																					
	OBTAIN (1	I) BOLT FRO	OM STOCK.																	Plants	: STH	
U	Remark * CONTRO	DL ITEM: NO	PART OMISSION OR S					.,		_			.,			_						
	nent UCC's			C/S	C	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	Frec	1	ROS	N			
	} }																					
e # 0	INSERT B	OLT THRU S	TEERING UNIVERSAL	JOINT AND E	EXTENSIO	ON SI	IAFT GR	OOVE.												Plants	: STH	
CFB-	nent UCC's			C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	Fred	1	ROS	N			
	HANDSTA Remark	RT (1) BOLT																		Plants	: STH	
				C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT		Fron	1	ROS	N			
	ment UCC's			0/0		1113		Roy	14	Typ	IVI	vai		WOT		1100	'	1100	14			
))																					
		BOLT WITH	POWERTOOL.																	Plants	: STH	
80	Remark * CONTRO	OL ITEM: TOP	RQUE CONTROL	0/0				.,		_			.,			_						
CFB-	ment UCC's			C/S	C	Ins	N	Key	N	Тур	M	vai	Υ	MCI	0.00000	Frec	1	ROS	N			
3H	Tool/Descripti H15M20H20M3 SKT,3/8SQDR	88	T,38.1MM OAL,MAGNE	ГІС	Qı	uantity 1	То	rque Nor	m Var	r I	Minimum			C CA N10		Remark INNER TORQUES	HUT OFF		Quantity 1	Torque Nom 30.00	Var 5.00	Minimum
ision L e 5/07/29	Log 9 00:00		on / Addenda ode Given As Reason for	the Revision									I							Current E	le#	Previous Ele
ice Nu	ımber	NC00 E11	427227 301			Station	<u> </u>				Critical	Signific	cant	Primary C	PSC	110400			Illustrations	0	1	
								0 : :			Elements	Elemer	nts	-			300T : 5=					Number
	Model Year 2006.00		Copy Concern Number 0	er Study /	/ Alterna	tive	C/N	Status D	S		Υ	N		LOOSE A	SSM COL EX	KT SHAFT TO COL	300T & SE	CURE TO ST	ING COL		F F	R C 035

F	R	C	03580	
'	– Pa	ige 3	3 —	

05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 11(05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 11(05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 11(05/07/29 00:00 Part Deleted from the Ele N803942 S101 NC00 11 Part Added to the Elemen 05/07/29 00:00 Part Added to the Elemen 105/07/29 00:00 Part Deleted from 105/07/29 00:00 Part Deleted fro	evised nent 110401 0 NC00 E 11427227 62 nent 110401 0 NC00 E 11427227 52 nent 110401 0 NC00 E 11427227 70 nent 01 0 NC00 E 11307832 6 nent 01 0 NC00 E 11427227 301 nent 1401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			110 10 10 10 70 70 110
DKOSTIC Critical/Significant Code f From: "To: 'C' 05/07/29 00:00 D5/07/29 00:00 Part Deleted from the Ele 3W13 3F728 AB NC0 05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele N806385 SS8 NC00 111 05/07/29 00:00 Part Deleted from the Ele N806385 SS8 NC00 110 05/07/29 00:00 Part Deleted from the Ele N80385 SS8 NC00 111 05/07/29 00:00 Part Deleted from the Ele N80385 SS8 NC00 111 05/07/29 00:00 Part Deleted from the Ele N80385 SS8 NC00 111 05/07/29 00:00 Part Deleted from the Ele N80385 SS8 NC00 111 05/07/29 00:00 Part Deleted from the Ele N80385 SS8 NC00 111 05/07/29 00:00 Part Deleted from the Ele N80385 SS8 NC00 111 05/07/29 00:00	evised nent 110401 0 NC00 E 11427227 62 nent 110401 0 NC00 E 11427227 52 nent 110401 0 NC00 E 11427227 70 nent 01 0 NC00 E 11307832 6 nent 01 0 NC00 E 11427227 301 nent 401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			10 10 10 70 70 110
05/07/29 00:00 Critical/Significant Code From: "To: 'C' 05/07/29 00:00 Part Deleted from the Ele 3W13 3F728 AB NC0 05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 111 05/07/29 00:00 Part Deleted from the Ele N803942 S101 NC00 11 05/07/29 00:00 Part Deleted from the Ele N803942 S101 NC00 11 05/07/29 00:00 Part Deleted from the Ele N803942 S101 NC00 11	nent 110401 0 NC00 E 11427227 62 nent 110401 0 NC00 E 11427227 52 nent 110401 0 NC00 E 11427227 70 nent 101 0 NC00 E 11307832 6 nent 101 0 NC00 E 11427227 301 nent 401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			10 10 10 70 70 110
From: "To: 'C' Part Deleted from the Ele 3W13 3F728 AB NC0 05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N803842 S101 NC00 11 05/07/29 00:00 Part Deleted from the Ele N803842 S101 NC00 11 05/07/29 00:00 Part Deleted from the Ele N803842 S101 NC00 11 05/07/29 00:00 Part Deleted from the Ele N803842 S101 NC00 11	nent 110401 0 NC00 E 11427227 62 nent 110401 0 NC00 E 11427227 52 nent 110401 0 NC00 E 11427227 70 nent 101 0 NC00 E 11307832 6 nent 101 0 NC00 E 11427227 301 nent 401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			10 10 10 70 70 110
05/07/29 00:00 Part Deleted from the Ele 3W13 3F728 AB NC0 05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 11(05/07/29 00:00 Part Dele	110401 0 NC00 E 11427227 62 nent 110401 0 NC00 E 11427227 52 nent 110401 0 NC00 E 11427227 70 nent 01 0 NC00 E 11307832 6 nent 01 0 NC00 E 11427227 301 nent 1401 2 NC00 E 11622207 0 12401 2 NC00 E 11579527 59 erted oprior to this rev.			10 10 70 70 110
3W13 3F728 AB NC0 05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 11(05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N803942 S101 NC00 11 05/07/29 00:00 Part Added to the Elemen W710820 S306 NC00 1 05/07/29 00:00 A process revision was in	nent 110401 0 NC00 E 11427227 52 nent 110401 0 NC00 E 11427227 70 nent 01 0 NC00 E 11307832 6 nent 01 0 NC00 E 11427227 301 nent 401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			10 10 70 70 110
5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N803842 S101 NC00 11 05/07/29 00:00 Part Added to the Elem W710820 S306 NC00 1 05/07/29 00:00 A process revision was in	110401 0 NC00 E 11427227 52 nent 110401 0 NC00 E 11427227 70 nent 001 0 NC00 E 11307832 6 nent 001 0 NC00 E 11427227 301 nent 401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			10 70 70 110
05/07/29 00:00 Part Deleted from the Ele 5W13 3F728 AC NC0 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N803842 S101 NC00 11 05/07/29 00:00 Part Added to the Elem W710820 S306 NC00 1 05/07/29 00:00 A process revision was in	nent 110401 0 NC00 E 11427227 70 nent 001 0 NC00 E 11307832 6 nent 101 0 NC00 E 11427227 301 nent 401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			70 70 110
5W13 3F728 AC NC0 Part Deleted from the Ele N806385 S58 NC00 110 D5/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 D5/07/29 00:00 Part Deleted from the Ele N80385 S58 NC00 110 D5/07/29 00:00 Part Deleted from the Ele N803942 S101 NC00 11 D5/07/29 00:00 Part Added to the Elemen W710820 S306 NC00 1 D5/07/29 00:00 A process revision was in	110401 0 NC00 E 11427227 70 nent 01 0 NC00 E 11307832 6 nent 01 0 NC00 E 11427227 301 nent 401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			70 70 110
05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 111 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 111 05/07/29 00:00 Part Deleted from the Ele N803942 S101 NC00 11 Part Added to the Elemen W710820 S306 NC00 1 05/07/29 00:00 A process revision was in	nent 01 0 NC00 E 11307832 6 nent 01 0 NC00 E 11427227 301 nent 401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			70 110
N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N806385 S58 NC00 110 05/07/29 00:00 Part Deleted from the Ele N803942 S101 NC00 05/07/29 00:00 Part Added to the Elemer W710820 S306 NC00 1 05/07/29 00:00 A process revision was in	01 0 NC00 E 11307832 6 nent 01 0 NC00 E 11427227 301 nent 401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			70 110
05/07/29 00:00 Part Deleted from the Ele	nent 01 0 NC00 E 11427227 301 nent 401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			110
N806385 S58 NC00 110 D5/07/29 00:00 Part Deleted from the Ele N803942 S101 NC00 11 D5/07/29 00:00 Part Added to the Elemen W710820 S306 NC00 1 D5/07/29 00:00 A process revision was in	01 0 NC00 E 11427227 301 nent 401 2 NC00 E 11622207 0 0401 2 NC00 E 11579527 59 erted prior to this rev.			110
N803942 S101 NC00 11 05/07/29 00:00 Part Added to the Elemer W710820 S306 NC00 1 05/07/29 00:00 A process revision was in	1401 2 NC00 E 11622207 0 1401 2 NC00 E 11579527 59 erted prior to this rev.			
05/07/29 00:00 Part Added to the Elemer W710820 S306 NC00 1 05/07/29 00:00 A process revision was in	0401 2 NC00 E 11579527 59 erted prior to this rev.			110
W710820 S306 NC00 1 05/07/29 00:00 A process revision was in	0401 2 NC00 E 11579527 59 erted prior to this rev.			110
15/07/29 00:00 A process revision was in	erted prior to this rev.			
CFB,2005.5,FRC03580,1),,,,,,, was inserted			
G. B <u>.</u> Esterio, i i location,	,,,,,,,,, nac ilicortod			

Notice Number NC00 E 11427227 3	O1 Station	n		Significant Elements	Primary CPSC	110400	Illustrations	0	Process Number
Family Model Year Revision Copy Conce CFB 2006.00 1 0	n Number Study / Alternative	C/N Status D	Y	N	LOOSE ASSM COL EX	KT SHAFT TO COL BOO	T & SECURE TO STNG COL		F R C 03580

Process Owner :	: Gjorgjevski, B. (B	ioris)		Pho	one:	1-313-8055	853		Repo	ort Date:	2007/02/16 0)5:08		UNCC	NTROLLE	D DOCUMENT			
LOOSE ASSM COL EXT SHA	HAFT TO COL BOOT & S	SECURE TO STNG CO	DL																
ype Status / Date D 2006/03/20	Causal Code DE	Earliest In 2005/08/02			st Out Date 3/03/20				L/S Ind. L	PFMEA	4								
eference Manuals VC-110401-01																			
rocess CPSC's rimary Code 110400 110401 110402	Description Steering Column St Steering Column ar Steering Column St		ver Boot							onsible PM Program	T's Model Ye	ear	Description	ı					
Copied From Varianced Against Replaces Replaced By	Family CFB CFB CFB CFB	Model Year 2005.00 2005.00 2005.50 2006.50	Process Number R C 3580 F R C 3580 F R C 3580	0 4	1	Copy 0 0 0 0	Concern Num	ber	Study / Al	Iternative		C/N							
ssociated Plants TH ST. THOMAS ASSE	SEMBLY			Staff As Chassis	signed ALL			Effe	ectivity Type		In Date 05/08/02		Eff Out Date 2006/03/20						
emark EVISE FOR 2005 MY. NEW DD - FLAG VEHICLE FOR N 006 - ADD HEX FREE FASTI	NON SECURED BOOT N		JMN																
	TEERING COLUMN EXT	ENSION SHAFT FRO	м ѕтоск.														Plants	: STH	
* CONTROL ITE INSTA	TEM: NO PART OMISSIC TALL AS SHOWN	ON OR SUBSTITUTION C/S		N K e	y N	Тур	M V a	l Y	мст	0.00000		Freq	1	ROS	N				
* CONTROL ITE				N K e	e y N	Тур	M Va	ıl Y	MCT	0.00000		Freq	1	ROS	N				
* CONTROL ITE INSTA	TALL AS SHOWN	C/S	C Ins	N Ke		Typ Side Quar	ntity UOM		MCT //S Part/Descri			Freq	1			Side Quantity	UOM	Side Quantity	UOM
* CONTROL ITE INSTA Element UCC's CFB CFP C/S Part/Description C 5W13 3F728 EXT ASY-STNG COL	TALL AS SHOWN	C/S NC00 110401 C	C Ins Status Side			Side Quar	ntity UOM					Freq	1			Side Quantity		Side Quantity	UOM
* CONTROL ITE INSTA Element UCC's CFB CFP C/S Part/Description C 5W13 3F728 EXT ASY-STNG COL	TALL AS SHOWN AC L SHFT	C/S NC00 110401 C	C Ins Status Side (Quantity UC		Side Quar	ntity UOM	C/	'S Part/Descri			Freq			Status S	Side Quantity			UOM
* CONTROL ITE INSTA Element UCC's CFB CFP C/S Part/Description C 5W13 3F728 EXT ASY-STNG COL Ele # OBTAIN (1) EXT 20 Remark Element UCC's CFB	AC L SHFT XTENSION SHAFT BOO'	C/S NC00 110401 C T {AND RETAINER} F	C Ins Status Side (Quantity UC	DM	Side Quar	M Va	C/	'S Part/Descri	0.00000				ROS	Status S	Side Quantity			UOM
* CONTROL ITE INSTA Element UCC's CFB CFP C/S Part/Description C 5W13 3F728 EXT ASY-STNG COL Ele # OBTAIN (1) EXT 20 Remark Element UCC's CFB CFP CFP CFP CFS Part/Description 2W73 3E735 BOOT ASY-STNG CO	AC L SHFT XTENSION SHAFT BOO'	C/S NC00 110401 C T {AND RETAINER} F C/S NC00 110401 C	Status Side (00 C) ROM STOCK. N Ins Status Side (00 C)	Quantity UC	DM	Side Quar 1.0	M Va	C/	/S Part/Descri	0.00000				ROS	Status S		Plants	: STH	
* CONTROL ITE INSTA Element UCC's CFB CFP C/S Part/Description C 5W13 3F728 EXT ASY-STNG COL Ele # OBTAIN (1) EXT 20 Remark Element UCC's CFB C/S Part/Description 2W73 3E735 BOOT ASY-STNG CO	AC L SHFT XTENSION SHAFT BOO' AA	C/S NC00 110401 C T {AND RETAINER} F C/S NC00 110401 C	Status Side of C ROM STOCK. N Ins Status Side of C ON SHAFT.	Quantity UC N Ke	DM	Side Quar 1.0	M Vanitity UOM EA	C/	MCT S Part/Descri	0.00000			1	ROS	N Status S		Plants	: STH	
* CONTROL ITE INSTA Element UCC's CFB CFP C/S Part/Description C 5W13 3F728 EXT ASY-STNG COL Ele # OBTAIN (1) EXT 20 Remark Element UCC's CFB C/S Part/Description 2W73 3E735 BOOT ASY-STNG CO	AC L SHFT XTENSION SHAFT BOO' AA COL T AND RETAINER ONTO	C/S NC00 110401 C T {AND RETAINER} F C/S NC00 110401 C	Status Side of C ROM STOCK. N Ins Status Side of C ON SHAFT.	Quantity UC N Ke Quantity UC	DM N	Typ Side Quar 1.0	M Vanitity UOM EA M Va	C/	MCT S Part/Descri	0.00000 iption		Freq	1	ROS	N Status S	Side Quantity	Plants	: STH	

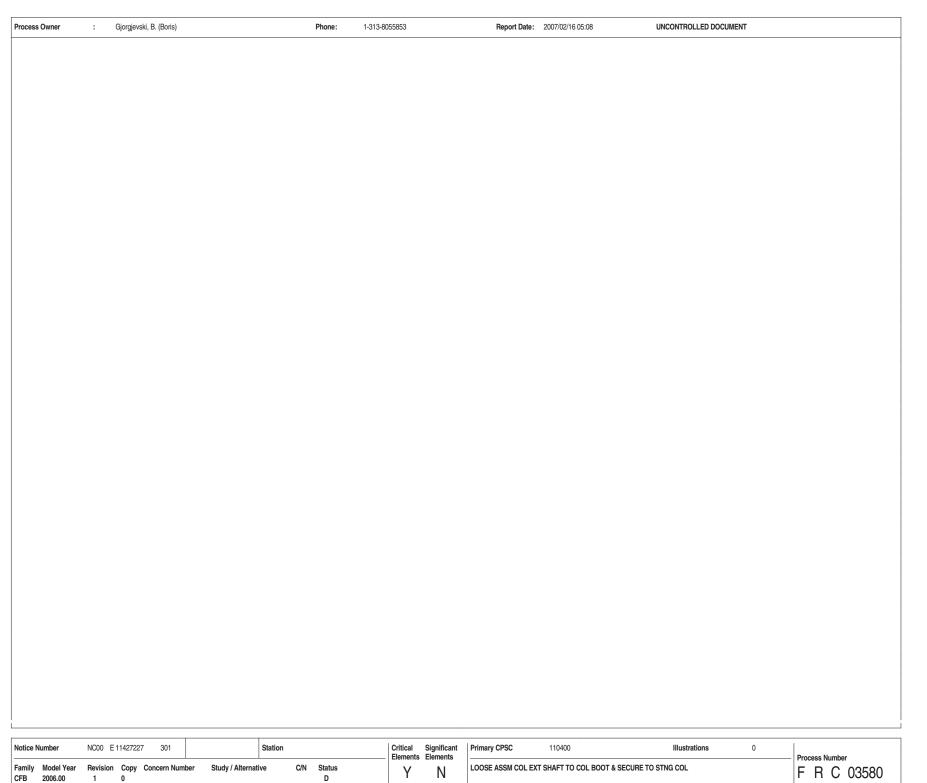
otice Number	NC00 E 11427227 301	Station	Critical Significant Elements	Primary CPSC 110400 Illustrations 0	Process Number
amily Model Year FB 2006.00	Revision Copy Concern Number 1 0	Study / Alternative C/N Status D		LOOSE ASSM COL EXT SHAFT TO COL BOOT & SECURE TO STNG COL	F R C 03580
					Page 1

	Gjorgjevski, B. (Boris)					Phone	:	1-313-80)55853			R	eport Date:	2007/02/16 05:08		UNC	ONTROLLED DO	CUMENT		
CFP # POSITION BOOT Remark	AND RETAINER TO PROPER LO	CATION (ON EXTEN	ision s	HAFT.													Plants	: STH	
Element UCC's CFBCFP		C/S	N	Ins	N	Key	N	Тур	М	Val	Y	MCT	0.00000	Freq	1	ROS	N			
INSERT EXTENSI	ON SHAFT UNIVERSAL JOINT TH	HRU HOL	E IN DAS	H PANI	EL.													Plants	: STH	
Element UCC's FB		C/S	N	Ins	N	Key	N	Тур	М	Val	Y	MCT	0.00000	Freq	1	ROS	N			
INSERT BOOT RE	ETAINER FLANGE HOLES OVER	EXISTING	G DASH PA	ANEL S	TUDS.													Plants	: STH	
lement UCC's FBFP		C/S	N	Ins	N	Key	N	Тур	М	Val	Y	МСТ	0.00000	Freq	1	ROS	N			
OBTAIN (2) NUTS Remark	FROM STOCK.																	Plants	: STH	
lement UCC's FBFP		C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	МСТ	0.00000	Freq	1	ROS	N			
Part/Description N806385 NUT&WASHER-M6X1.0		401 00	Status 0 C	Side Q	uantity	UOM		Side Qu	uantity 2.00	UOM EA		C/S Part/Des	cription				Status Side (Quantity UOM	Side Quantity	UOM
` '	NUTS ONTO (2) DASH PANEL ST	UDS.																Plants	: STH	
Remark	NUTS ONTO (2) DASH PANEL STO		N	Ins	N	Key	N	Тур	М	Val	Y	мст	0.00000	Freq	1	ROS	N	Plants	: STH	
Remark * NOTE: NUTS SE lement UCC's FB FP TIGHTEN (2) {LOC Remark		C/S ASH PANE	EL STUDS	ATTACH	IING SHA	AFT BOO	T AND ED BY C	RETAINER	TO DASH	I PANEL}.	E TAGG					ROS			: STH	

Notice Number	NC00 E 11427227 301	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations	0	Process Number
Family Model Year CFB 2006.00	Revision Copy Concern Number 1 0	Study / Alternative C/N Status D	YN	LOOSE ASSM COL EXT SHAFT TO COL BOOT &	SECURE TO STNG COL		F R C 03580

Process Ow	vner	: Gjorg	jjevski, B. (Bo	oris)					Phone:	:	1-313-8	055853			R	eport Date:	2007/02/16 05:08		UNC	CONTROL	LLED DOCUMENT				
Ele # 90	ALIGN EX	TENSION SHAF	T WITH STE	ERING COLU	JMN UNIV	/ERSAL J	OINT.															Plants	: STH		
CFB	ent UCC's				C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	Freq	1	ROS	N					
		XTENSION SHA	FT INTO STE	ERING COL	UMN UNI	VERSAL	JOINT.															Plants	: STH		
Eleme CFB	Remark ent UCC's				C/S	N	Ins	N	Key	N	Тур	М	Val	Y	МСТ	0.00000	Freq	1	ROS	N					
Eleme CFB	Remark	DL ITEM: NO PA		ON OR SUBST	FITUTION C/S		Ins	N	Key	N	Тур	М	Val	Υ	мст	0.00000	Freq	1	ROS	N		Plants	: STH		
С	t/Description W71 _T M10X35 H	10820 S306		NC00 1104	01 00		Side C	uantity	UOM			uantity 1.00	UOM		C/S Part/Des	cription				Status	Side Quantity	UOM	Side Q	uantity	UOM
ile #	INSERT BO	OLT THRU STE	ERING UNIVI	ERSAL JOIN	T AND EX	KTENSION	N SHA	FT GROO	VE.													Plants	: STH		
Eleme CFB	ent UCC's				C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	Freq	1	ROS	N					
ile # 25	HANDSTA Remark	RT (1) BOLT																				Plants	: STH		
CFB	ent UCC's				C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT		Freq	1	ROS	N					
	Remark	BOLT WITH PO		_																		Plants	: STH		
CFB	ent UCC's				C/S	С	Ins	N	Key	N	Тур	М	Val	Y	MCT	0.00000	Freq	1	ROS	N					
3H15	ool/Descripti 5M20H20M3 KT,3/8SQDR	ion/Remark 18 ,15MM 6PT,38	3.1MM OAL,N	MAGNETIC		Qı	uantity 1	Тог	que Non	n Va	ar	Minimum			C/S Tool/D C CA N107 RT ANG		emark NNER TORQUE SHU	T OFF		Q		que Nom 0.00	Var 5.00	Minimum	
vision Lo te 06/02/25 1		Description Part Added to N80638	the Elemen	t) 110401 0 NO	C00 E 116	631322 62	2															Current E 70	Ele#	Previ	ous Ele#
otice Num	nber	NC00 E 1142	7227 30)1			Station	1				Critical	Signific		Primary CI	PSC	110400			Illustra	tions	0	_		
	odel Year 006.00	Revision Co	py Concer	n Number	Study	/ Alternat	tive	C/N	Status	5		Element	s Elemer		LOOSE AS	SM COL EX	T SHAFT TO COL BO	OT & SE	CURE TO STN	G COL			F R		3580

ents		110400	iliustrations	 Process Number
	LOOSE ASSM COL EXT S	SHAFT TO COL BOOT & SECURE TO STN	G COL	F R C 03580
N				
				Page 3



Process Owner : Rozanski, S (Stanislaw)	Phone:	1-519-6375432	Report Date: 2008/12/26 17:06 UNCONTROLLED DOCUMENT	
LOOSE ASSM COL EXT SHAFT TO COL BOOT & SECURE TO STNG COL				
Type Status / Date Causal Code Earliest In Date N D 2008/01/04 PC 2006/03/20	Latest Out Date 2008/01/04	e	L/S Ind. PFMEA L	
Reference Manuals F VC-110401-01				
Process CPSC's ALL Description Primary Code ALL Description Y 110400 Steering Column Subsystem N 110401 STEERING COLUMN N 110402 RESERVED			Responsible PMT's PMT Program Model Year ALL Description	
Copied From CFB 2006.00 F R C 3580 Varianced Against CFB 2006.00 F R C 3580 Replaces CFB 2006.00 F R C 3580 Replaced By CFB 2008.00 F R C 3580	Revision 1 1 1 1	Copy Concern Number 0 0 0 0	Study / Alternative C/N	
	Staff Assigned ALL Chassis	L E	Effectivity Type Eff In Date Eff Out Date F 2006/03/20 2008/01/04	
Remark REVISE FOR 2005 MY. NEW M10 FASTENER FOR EXT SHAFT TO COLUMN ADD - FLAG VEHICLE FOR NON SECURED BOOT NUTS 2006 - ADD HEX FREE FASTENERS				
Ele # OBTAIN (1) STEERING COLUMN EXTENSION SHAFT FROM STOCK. 10 Remark * CONTROL ITEM: NO PART OMISSION OR SUBSTITUTION. INSTALL AS SHOWN C/S C Ins N Element UCC's CFB	Key N	Typ M Val Y	Pl: MCT 0.00000 Freq 1 ROS N	ants : STH
C/S Part/Description Status Side Quantity C 5W13 3F728 AC NC00 110401 000 C EXT ASY-STNG COL SHFT	, UOM	Side Quantity UOM 1.00 EA	C/S Part/Description Status Side Quantity UOM	M Side Quantity UOM
Ele # OBTAIN (1) EXTENSION SHAFT BOOT {AND RETAINER} FROM STOCK. 20 Remark C/S N Ins N Element UCC's CFB	Key N	Typ M Val Y	Pl: MCT 0.00000 Freq 1 ROS N	ants : STH
CFP C/S Part/Description Status Side Quantity 2W73 3E735 AA NC00 110401 000 C BOOT ASY-STNG COL	, UOM	Side Quantity UOM 1.00 EA	C/S Part/Description Status Side Quantity UOM	M Side Quantity UOM
Ele # INSERT BOOT AND RETAINER ONTO COLUMN EXTENSION SHAFT. 30 Remark			Pli	ants : STH
Notice Number Station		Critical Significant	Primary CPSC 110400 Illustrations 0	
Family Model Year Revision Copy Concern Number Study / Alternative C/I CFB 2006.50 1 0	N Status D	Y N	LOOSE ASSM COL EXT SHAFT TO COL BOOT & SECURE TO STNG COL	Process Number F R C 03580 Page 1 —

ess Owner : Rozanski, S (Stanislaw)					Phone	:	1-519-63	375432			R	eport Date:	2008/12/26 17:06		UNG	CONTROLI	LED DOCUMENT			
Element UCC's CFB CFP POSITION BOOT AND RETAINER TO PROPER I		N N ON EXTE	Ins		Key	N	Тур	M	Val	Y	MCT	0.00000	Freq	1	ROS	N		Plants	· STH	
Remark																				
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq	1	ROS	N				
# INSERT EXTENSION SHAFT UNIVERSAL JOINT Remark	THRU HO	LE IN DA	SH PA	ANEL.														Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq	1	ROS	N				
# INSERT BOOT RETAINER FLANGE HOLES OVE Remark	ER EXISTII	NG DASH	PANEL	STUDS.														Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq	1	ROS	N				
# OBTAIN (2) NUTS FROM STOCK. Remark																		Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq	1	ROS	N				
/S Part/Description N806385 S424 NC00 110 NUT&WASHER-M6X1.0 HEX (PAINT SCRP))401 00	Status 00 C	Side Q	uantity	UOM		Side Qu	antity 2.00	UOM EA		C/S Part/Des	scription				Status	Side Quantity	UOM	Side Quantity	UOM
# HANDSTART (2) NUTS ONTO (2) DASH PANEL Remark * NOTE: NUTS SECURED IN PROCESS CI3280.																		Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq	1	ROS	N				
# TIGHTEN (2) {LOOSE ASSEMBLED} NUTS {ON Remark NOTE: TIGHTEN NUTS ALTERNATELY AND EVE			NUTS C			JRED B		OR, VEH		Γ BE TA	AGGED BY	PLACING A S	STICKER ON THE BO		ROS	N		Plants	: STH	
					,		. , , ,			-										

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Num CFB 2006.50 1 0	nber Study / Alternative C/N Status D	YN	LOOSE ASSM COL EXT SHAFT TO COL BOOT &	SECURE TO STNG COL		F R C 03580

cess Owner : Rozanski, S (Stanislaw)					Phone:		1-519-6	375432			Re	eport Date:	2008/12/26 17:06		UI	ICONTROLL	ED DOCUMENT				
C/S Tool/Description/Remark 2H10M10H16B28 SKT,1/4SQDR, 10MM, HEX, 16MM O.D., STD LENGTH CMPPS00052485 6 IN. EXTENSION		C	Quantity 1	To	orque Nom	Var	r	Minimum			CAN6-		mark NER TORQUE:	SHUT OF	:	Qua	antity Torqi 1 10.8	ue Nom 50	Var 1.60	Minimum	
e # ALIGN EXTENSION SHAFT WITH STEERING COLU Remark	UMN UNI	VERSA	L JOINT.															Plants	: STH		_
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	МСТ	0.00000	Fre	q 1	ROS	S N					
# INSERT EXTENSION SHAFT INTO STEERING COL D Remark	.UMN UN	IIVERS#	AL JOINT.															Plants	: STH		
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Fre	q 1	ROS	S N					
# OBTAIN (1) BOLT FROM STOCK. Remark * CONTROL ITEM: NO PART OMISSION OR SUBS' Element UCC's CFB CFP		N C	Ins	N	Key	N	Тур	М	Val	Υ	мст	0.00000	Fre	q 1	ROS	i N		Plants	: STH		
//S Part/Description : W710820 S306 NC00 11040 BOLT M10X35 HF ADH 10			Side C	Quantity	UOM		Side Q	uantity 1.00	UOM		C/S Part/Des	cription				Status	Side Quantity	UOM	Side Q	uantity U	MC
# INSERT BOLT THRU STEERING UNIVERSAL JOIN Remark	IT AND E	XTENS	ION SI	HAFT GF	ROOVE.													Plants	: STH		
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	М	Val	Y	MCT	0.00000	Fre	q 1	ROS	i N					
# HANDSTART (1) BOLT 5 Remark																		Plants	: STH		
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT		Fre	q 1	ROS	S N					
e # TIGHTEN BOLT WITH POWERTOOL.			Ins	N	Key	N	Тур	M	Val	Υ	MCT	0.00000	Fre	q 1	ROS	i N		Plants	: STH		
* CONTROL ITEM: TORQUE CONTROL	C/S	C																			_
* CONTROL ITEM: TORQUE CONTROL ce Number	C/S		Station	1				Critical	Signific s Elemer		Primary Cl	PSC	110400			Illustratio	ons 0		- Process I		

Process Owner Rozanski, S. . (Stanislaw) Phone: 1-519-6375432 Report Date: 2008/12/26 17:06 UNCONTROLLED DOCUMENT Element UCC's CFB-----CFP-----C/S Tool/Description/Remark Quantity Minimum C/S Tool/Description/Remark Var Minimum Torque Nom Var Quantity Torque Nom 3H15M20H20M38 C CA N10-1T 30.00 5.00 SKT,3/8SQDR,15MM 6PT,38.1MM OAL,MAGNETIC RT ANGLE NUTRUNNER TORQUE SHUT OFF No Secure Templates associated with Tools of this Process Revision Log Date Description / Addenda Current Ele # Previous Ele# 2007/02/14 12:06 Part Added to the Element 70 N806385 S424 NC00 110401 0 NC00 E 11830558 20 2007/02/14 12:07 Part Added to the Element 110 W710820 S306 NC00 110401 2 NC00 E 11830558 20 2007/02/14 12:09 Part Added to the Element 10 5W13 3F728 AC NC00 110401 0 NC00 E 11830558 21 2007/02/14 12:09 Part Claimed for New WERS Release 10 5W13 3F728 AC NC00 110401 0 NC00 E 11830558 21 2007/02/17 10:34 Part Added to the Element 20 2W73 3E735 AA NC00 110401 0 NC00 E 11830558 22 **Revision Log Comments** Recorded by 2007/05/11 18:09 OPS\$GSOP PT-3 TOOLING CONVERSION: REASSIGNED PROCESS OWNER FROM PREVIOUS REVISION

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Num CFB 2006.50 1 0	ber Study / Alternative C/N Status D	Y N	LOOSE ASSM COL EXT SHAFT TO COL BOOT & S	ECURE TO STNG COL		F R C 03580

rocess Owner :	Rozanski, S (Sta	ai iisiaw)		Phone:	1-519-63	70.02		Порог	t Date. 2	008/12/30 02:2	J	UNCON	TROLLED DOCUMEN	ı		
OOSE ASSM COL EXT SHA	AFT TO COL BOOT &	SECURE TO STNG	COL													
pe Status / Date D 2008/01/04	Causal Code PC	Earliest In 2006/03/20		Latest Out Dat 2008/01/04	е			L/S Ind. L	PFMEA							
erence Manuals C-110401-01																
cocess CPSC's mary Code 110400 110401 110402	ALL Description Steering Column Su STEERING COLUM RESERVED							Respor PMT P	nsible PMT rogram	s Model Year	ALL Desc	ription				
copied From arianced Against leplaces leplaced By	Family CFB CFB CFB	Model Year 2006.00 2006.00 2006.00 2008.00	Process Number F R C 3580	Revision 1 1 1 1	Copy 0 0 0 0	Concern N	Number	Study / Alto	ernative		C/N					
sociated Plants H ST. THOMAS ASSE	EMBLY			Staff Assigned AL Chassis	L		E	Effectivity Type		Date 03/20	Eff Out Date 2008/01/04)				
nark /ISE FOR 2005 MY. NEW D - FLAG VEHICLE FOR N 6 - ADD HEX FREE FAST	NON SECURED BOOT		LUMN													
Remark * CONTROL ITE INSTA Element UCC's CFB	EERING COLUMN EXT EM: NO PART OMISSIC ALL AS SHOWN			I Key N	Тур	М	Val Y	MCT 0.	.00000	Fr	eq 1	ROS I	N	Plants	: STH	
* CONTROL ITE INST. Element UCC's CFB CFP C/S Part/Description	EM: NO PART OMISSIC ALL AS SHOWN AC	ON OR SUBSTITUTIO	ON. C Ins N Status Side Quar		Side Qu		DM .	MCT 0.		Fr	eq 1		N atus Side Quantity		: STH	UOM
O Remark * CONTROL ITE INSTA Element UCC's CFB CFP C/S Part/Description C 5W13 3F728 EXT ASY-STNG COL	EM: NO PART OMISSIC ALL AS SHOWN AC	ON OR SUBSTITUTION C/S NC00 110401 0	ON. C Ins N Status Side Quar	ntity UOM	Side Qu	antity UC	DM .	C/S Part/Descrip			eq 1		atus Side Quantity			иом
O Remark * CONTROL ITE INST./ Element UCC's CFB CFP C/S Part/Description C 5W13 3F728 EXT ASY-STNG COL	EM: NO PART OMISSIC ALL AS SHOWN AC . SHFT TENSION SHAFT BOO	ON OR SUBSTITUTION C/S NC00 110401 0 T {AND RETAINER}	Status Side Quar 00 C FROM STOCK. N Ins N	ntity UOM	Side Qu	antity UC 1.00 EA	OM \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	C/S Part/Descrip	.00000			St.	atus Side Quantity	UOM Plants	Side Quantity	
Remark * CONTROL ITE INSTA Element UCC's CFB CFP C/S Part/Description C 5W13 3F728 EXT ASY-STNG COL ILLE # OBTAIN (1) EXT D Remark Element UCC's CFB CFP CFP CFS Part/Description 2W73 3E735 BOOT ASY-STNG COL ILLE # INSERT BOOT	EM: NO PART OMISSIC ALL AS SHOWN AC . SHFT TENSION SHAFT BOO	C/S NC00 110401 0 T {AND RETAINER} C/S	Status Side Quar C FROM STOCK. N Ins N Status Side Quar	ntity UOM	Side Qu	antity UC.	OM \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	C/S Part/Descrip	.00000			St.	atus Side Quantity	UOM Plants	Side Quantity	
Remark * CONTROL ITE INST. Element UCC's CFB CFP C/S Part/Description C 5W13 3F728 EXT ASY-STNG COL ILE # OBTAIN (1) EX D Remark Element UCC's CFB CFP CFP C/S Part/Description 2W73 3E735 BOOT ASY-STNG COL	AC SHFT TENSION SHAFT BOO AA	C/S NC00 110401 0 T {AND RETAINER} C/S	Status Side Quar C FROM STOCK. N Ins N Status Side Quar	ntity UOM	Side Qu	M antity UC M antity UC antity UC 1.00 EA	OM Val Y OM Significant	C/S Part/Descrip	.00000			ROS I	atus Side Quantity	UOM Plants	Side Quantity : STH	

ess Owner : Rozanski, S (Stanislaw)					Phone	:	1-519-63	375432			R	eport Date:	2008/12/30 02:25		UNC	CONTROLLED DOCUME	NT		
Element UCC's CFB CFP POSITION BOOT AND RETAINER TO PROPER:		N	Ins		Key	N	Тур	M	Val	Υ	MCT	0.00000	Freq	1	ROS	N	Dlauta	: STH	
Remark	LOCATION	I ON EXTE	ENSION	SHAFT.													Plants	: 5111	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq	1	ROS	N			
# INSERT EXTENSION SHAFT UNIVERSAL JOINT Remark	THRU HO	LE IN DA	SH PA	ANEL.													Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq	1	ROS	N			
# INSERT BOOT RETAINER FLANGE HOLES OVE Remark	ER EXISTII	NG DASH	PANEL	STUDS.													Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq	1	ROS	N			
# OBTAIN (2) NUTS FROM STOCK. Remark																	Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Freq	1	ROS	N			
/S Part/Description N806385 S424 NC00 110 NUT&WASHER-M6X1.0 HEX (PAINT SCRP))401 00	Status 00 C	Side Q	uantity	UOM		Side Qu	antity 2.00	UOM EA		C/S Part/Des	scription				Status Side Quanti	ty UOM	Side Quantity	UOM
# HANDSTART (2) NUTS ONTO (2) DASH PANEL Remark * NOTE: NUTS SECURED IN PROCESS CI3280.																	Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	М	Val	Y	МСТ	0.00000	Freq	1	ROS	N			
# TIGHTEN (2) {LOOSE ASSEMBLED} NUTS {ON Remark NOTE: TIGHTEN NUTS ALTERNATELY AND EVE			NUTS C			JRED B		OR, VEH		BE TA	AGGED BY	PLACING A S	STICKER ON THE BO		ROS	N	Plants	: STH	
					1109		.,,,	141	· ui				. 104			• •			

Notice Number	Station	Critical Significant	Primary CPSC 110400	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Num CFB 2006.50 1 0	ber Study / Alternative C/N Status D		LOOSE ASSM COL EXT SHAFT TO COL BOOT & SI	ECURE TO STNG COL		F R C 03580

cess Owner : Rozanski, S (Stanislaw)					Phone:		1-519-63	375432			Re	eport Date:	2008/12/30 02:2	·	U	NCONTRO	LLED DOCUM	IENT		
C/S Tool/Description/Remark 2H10M10H16B28 SKT,1/4SQDR, 10MM, HEX, 16MM O.D., STD LENGTH CMPPS00052485 6 IN. EXTENSION		Q	Quantity 1	To	orque Nom	Var	ı	Minimum			CAN6-		mark NER TORQUE	SHUT OF	F	Q	Quantity 1	Torque Nom 10.50	Var 1.60	Minimum
e # ALIGN EXTENSION SHAFT WITH STEERING COLU Remark	JMN UNI	VERSA	L JOINT.															Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	М	Val	Y	МСТ	0.00000	Fro	e q 1	ROS	S N				
# INSERT EXTENSION SHAFT INTO STEERING COL D Remark	.UMN UN	IIVERS!	AL JOINT.															Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000	Fre	e q 1	ROS	S N				
# OBTAIN (1) BOLT FROM STOCK. Remark * CONTROL ITEM: NO PART OMISSION OR SUBS' Element UCC's CFB CFP		N C	Ins	N	Key	N	Тур	М	Val	Υ	мст	0.00000	Fr	eq 1	ROS	S N		Plants	: STH	
//S Part/Description : W710820 S306 NC00 11040 BOLT M10X35 HF ADH 10			Side G	Quantity	UOM	,	Side Qu	Jantity 1.00	UOM		C/S Part/Des	scription				Status	Side Quan	tity UOM	Side C	uantity UO
# INSERT BOLT THRU STEERING UNIVERSAL JOIN Remark	IT AND E	XTENS	ION SI	HAFT GF	ROOVE.													Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	М	Val	Y	MCT	0.00000	Fr	eq 1	ROS	8 N				
# HANDSTART (1) BOLT 5 Remark																		Plants	: STH	
Element UCC's CFB CFP	C/S	N	Ins	N	Key	N	Тур	М	Val	Y	MCT		Fr	e q 1	ROS	S N				
e # TIGHTEN BOLT WITH POWERTOOL.				N	Key	N	Тур	M	Val	Υ	MCT	0.00000	Fro	e q 1	ROS	S N		Plants	: STH	
Remark CONTROL ITEM: TORQUE CONTROL	C/S	С	Ins	IN	•															
	C/S	C	Ins					Critical	Signific s Elemen		Primary Cl	PSC	110400			Illustra	itions	0	Process	N

Process Owner Rozanski, S. . (Stanislaw) Phone: 1-519-6375432 Report Date: 2008/12/30 02:25 UNCONTROLLED DOCUMENT Element UCC's CFB-----CFP-----C/S Tool/Description/Remark Quantity C/S Tool/Description/Remark Var Torque Nom Var Minimum Quantity Minimum Torque Nom C CA N10-1T 3H15M20H20M38 30.00 5.00 SKT,3/8SQDR,15MM 6PT,38.1MM OAL,MAGNETIC RT ANGLE NUTRUNNER TORQUE SHUT OFF No Secure Templates associated with Tools of this Process Revision Log Date Description / Addenda Current Ele # Previous Ele # 2008/07/01 10:33 GC Process Owner Revised, Prior Owner Was BGJORGJE **Revision Log Comments** Recorded by 2007/05/11 18:09 OPS\$GSOP PT-3 TOOLING CONVERSION: REASSIGNED PROCESS OWNER FROM PREVIOUS REVISION

Critical

Elements Elements

Significant

Primary CPSC

110400

LOOSE ASSM COL EXT SHAFT TO COL BOOT & SECURE TO STNG COL

Illustrations

0

Notice Number

Family Model Year

CFB 2006.50

Revision Copy Concern Number

0

Station

C/N Status

D

Study / Alternative

Process Number

Process Owner : Messervey, B. C. (Brand	don) Pho	one: 1-519-6375405	Report Date: 2008/12/30 02:25	UNCONTROLLED DOCUMENT
ASSEMBLE COLUMN EXT SHAFT TO COLUMN BOOT	AND SECURE TO STEERING COLUMN			
Type Status / Date Causal Code N A 2008/01/04 PC	Earliest In Date Lates 2008/01/04	st Out Date	L/S Ind. PFMEA L	
Reference Manuals F VC-110401-01				
Process CPSC's Primary Code ALL Description Y 110400 Steering Column Subsyste N 110401 STEERING COLUMN	em		Responsible PMT's PMT Program Model Year ALL Descrip	ition
Copied From CFB 200 Varianced Against CFB 200	del Year Process Number Re 6.50 F R C 3580 1 6.50 F R C 3580 1 6.50 F R C 3580 1	1 0	Study / Alternative C/N	
Associated Plants STH ST. THOMAS ASSEMBLY	Staff Ass Chassis	signed ALL	Effectivity Type Eff In Date Ff Out Date F 2008/01/04	
Remark *DEACTIVATE FRZ 3580 TO THIS SHEET. ADD CVC - R *REVISE FOR 2005 MY. NEW M10 FASTENER FOR EXT *ADD - FLAG VEHICLE FOR NON SECURED BOOT NUT *2006 - ADD HEX FREE FASTENERS	SHAFT TO COLUMN			
Eie # OBTAIN (1) STEERING COLUMN EXTENSION OF SUBSTITUTION. *NO PART OMISSION OR SUBSTITUTION. *INSTALL AS SHOWN. Element UCC's CFB		ey N Typ M Val	Y MCT 0.00000 Freq 1	Plants : STH ROS N
C/S Part/Description C 5W13 3F728 AC NC00 EXT ASY-STNG COL SHFT	Status Side Quantity UO 110401 000 C	DM Side Quantity UOM 1.00 EA	C/S Part/Description	Status Side Quantity UOM Side Quantity UOM
Ele # OBTAIN (1) EXTENSION SHAFT BOOT {AN Remark	ID RETAINER} FROM STOCK			Plants : STH
Element UCC's CFB CFP CVC	C/S N Ins N Ke	ey N Typ M Val	Y MCT 0.00000 Freq 1	ROS N
C/S Part/Description 2W73 3E735 AA NC00 BOOT ASY-STNG COL	Status Side Quantity UO	OM Side Quantity UOM 1.00 EA	C/S Part/Description	Status Side Quantity UOM Side Quantity UOM
Notice Number	Station	Critical Significa	nt Primary CPSC 110400	Illustrations 0

Ν

Family Model Year Revision Copy Concern Number Study / Alternative

0

1

CFB 2008.00

C/N Status

Α

ocess Own	er :	Messervey, B. C	U. (Brandon)					Phone): 	1-519-63	3/5405			Re	port Date:	2008/12/30 02:	25		UNC	ONTROL	LED DOCUMENT			
	NSERT BOOT Remark	AND RETAINER ON	TO COLUMN E	XTENSIO	ON SHAF	т																Plants	: STH	
, '	Nomal R			A :-					.,	_						_	_							
Element	UCC's			C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	F	req	1	ROS	N				
CFB																								
CFP																								
16# 1	DOCITION BOX	OT AND DETAINED T	O DDODED I O	CATION	I ON EVT	ENGION	CHAFT															Dianta	. CTU	
	Position Bot Remark	OT AND RETAINER T	IO PROPER LO	CATION	IONEXI	ENSION	SHAFT															Plants	: 51H	
										_						_								
Element	HCC's			C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	F	req	1	ROS	N				
CFB																								
CFP																								
CVC																								
	NSERTEXTER Remark	ISION SHAFT UNIVE	RSAL JOINT T	нки но	DLE IN DA	ASH PAN	EL															Plants	: STH	
										_														
Element	HICC's			C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	F	req	1	ROS	N				
CFB																								
CFP																								
CVC																								
		RETAINER FLANGE	HOLES OVER	EXISTIN	NG DASH	IPANEL	STUDS															Plants	: STH	
) 1	Remark																							
				C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000	F	req	1	ROS	N				
Element CFB																								
CFP																								
CVC																								
		TS FROM STOCK																				Plants	: STH	
) i	Remark																							
				C/S	N	Ins	N	Key	N	Тур	M	Val	Υ	MCT	0.00000	F	req	1	ROS	N				
Element CFB																								
CFP																								
CVC																								
C/S Part/E	Description				Status	Side (Quantity	UOM		Side Qu	antity	UOM		C/S Part/Des	cription					Status	Side Quantity	UOM	Side Quantity	UOM
	N806385	S58	NC00 11040	00 00	1 C		•				2.00	EA			N806385	S424		NC00 1	10401 00		,		2.00	EA
NUT&	WASHER-M6X	1.0 HEX (PAINT SCRI	P)											NUT&WA	SHER-M6X1	I.0 HEX (PAINT S	SCRP)							
													1											
e# I	HANDSTART (2) NUTS ONTO (2) DA	ASH PANFI ST	TUDS																		Plants	: STH	
	Remark	-, (2) DI	AILL OI	320																		i idillo	. 0111	
				CIC	N	laa	N	V	N	T	M	Val	V	BACT	0.00000	-	roc	4	DOC	N				
Element	UCC's			C/S	N	ins	N	кеу	IN	Тур	IVÍ	Val	ĭ	MCT	0.00000	r	req	ı	ROS	IN				
CFB																								
CFP																								
CVC																								
						Ta. ::					l a ur			1									1	
ice Numbe	er					Statio	1				Critical Element	Signific s Elemen	ant its	Primary Cl	PSC	110400				Illustrati	ions	0	- Process Number	
nily Mod		ision Copy Conc	ern Number	Study	/ Alterna	itive	C/N	Statu	s		Υ	N	-	ASSEMBL	E COLUMN	EXT SHAFT TO	COLUI	MN BOOT	T AND SECU	RE TO S	TEERING COLUM	١		0358
2008	3.00 1			•				Α			I	IN												0000

nts	Elements		Proc	ess Number	
	N	ASSEMBLE COLUMN EXT SHAFT TO COLUMN BOOT AND SECURE TO STEERING COLUMN	F	R C 035	80
				- Page 2	

Process O	wner	:	Mes	servey, B. C.	Brandon)					Phone:		1-519-63	75405			Re	eport Date:	2008/12/30	02:25		UNC	ONTROL	LED DOCUME	ENT			
Ele # 85 Elem	Rem *TIG	ark HTEN NUT EN BOTH I	S ALTERN	SEMBLED} N NATELY AND NOT BE SEC	EVENLY.				Γ BE TAG		PLACING		KER ON T			ING POWER	TOOL		Freq	1	ROS	N		Plants	: STH		
CFP-																											
2H S CN	10M10H KT,1/4 IPPS00	052485		6MM O.D., S	TD LENGTH		Qu	antity 1	Tor	que Nom	n Var	N	linimum			CA N6-	escription/Rei 2T GLE NUTRUNI		QUE SHU	OFF		Qu	antity 1	Torque Nom 10.50	Var 1.60	Minimum	
	IN. EX	TENSION																									
Ele # 90	ALI0 Rem		SION SHA	FT WITH STE	ERING COL	UMN UN	IVERSAL	JOINT																Plants	: STH		
CFB-	ent UC					C/S	N	Ins	N	Key	N	Тур	M	Val	Y	MCT	0.00000		Freq	1	ROS	N					
Ele#	INSE		ISION SH	AFT INTO ST	EERING COL	UMN UM	IIVERSAL	_ JOINT																Plants	: STH		
CFB-	ent UC					C/S	N	Ins	N	Key	N	Тур	М	Val	Y	MCT	0.00000		Freq	1	ROS	N					
Ele# 110	Rem			STOCK	ION.	C/S	С	Ins	N	Key	N	Тур	M	Val	Y	мст	0.00000		Freq	1	ROS	N		Plants	: STH		
CFB-	ent UC									,		-,,,							,								
С		ription W710820 X35 HF AD) I	NC00 11040	1 00	Status 2 C	Side Q	uantity	UOM		Side Qu		UOM EA		C/S Part/Des	cription					Status	Side Quanti	ty UOM	Side	Quantity	UOM
Ele # 120	INSE		THRU STE	ERING UNIV	ERSAL JOIN	IT AND E	EXTENSIO	ON SHAF	T GROO	VE														Plants	: STH		
CFB-	ent UC					C/S	N	Ins	N	Key	N	Тур	M	Val	Υ	MCT	0.00000		Freq	1	ROS	N					
Notice Nu	mber							Station					Critical	Signific	ant	Primary CF	PSC	110400				Illustrati	ons	0	1		

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations 0	Process Number
Family Model Year Revision Copy Concern Num CFB 2008.00 1 0	mber Study / Alternative C/N Status A	YN	ASSEMBLE COLUMN EXT SHAFT TO COLUMN	N BOOT AND SECURE TO STEERING COLUMN	F R C 03580

Process Ow	ner :	Messervey, B. C. (Bran	ndon)				Phone:	1	-519-637	5405			R	eport Date:	2008/12/	30 02:25	UNG	CONTRO	LLED DOCUM	IENT		
	HANDSTART (1) BOLT																		Plants	: STH	
125	Remark																					
Elemer	nt UCC's		C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT			Freq 1	ROS	N				
CFB																						
Ela#	TICHTEN BOI	T LICING DOWEDTOOL																		Dlanta	, CTU	
Ele # 130	Remark	T USING POWERTOOL																		Plants	: STH	
	*TORQUE CON	NTROL.	C/S	С	Ins	N	Key	N	Тур	М	Val	Υ	MCT	0.00000		Freq 1	ROS	N				
Elemer CFB	nt UCC's																					
CFP																						
	ol/Description/F M20H20M38	Remark		C	Quantity 1	To	orque Nom) Var	Mi	inimum			CA N10	Description/R -1T	lemark			C	Quantity	Torque Nom 30.00	Var 4.50	Minimum
SK	T,3/8SQDR,15M	IM 6PT,38.1MM OAL,MAG	NETIC											IGLE NUTRU UE CONTRO		ORQUE SHUT OFF	=					
No Coouro T	ompletes asses	ciated with Tools of this Pro	2000																			
	•	ciated with 100is of this Pro	icess																			
Revision Log Date	D	escription / Addenda																		Current	Ele#	Previous Ele #
2008/01/04 0		rocess Title Revised rom: LOOSE ASSM COL EXT	T SHAFT TO CO	OL BOOT	& SECUF	RE TO ST	NG COL T	o: ASSEM	IBLE CO	LUMN EX	T SHAFT	TO CO	LUMN BO	OT AND SEC	URE TO S	TEERING COLUM	IN					
2008/01/04 0	0:00 C	PSC Code(s) Deleted 10402																				
2008/01/04 0	0:00 P	art Deleted from the Element																		110)	
2008/01/04 0		W710820 S306 NC00 110401 art Deleted from the Element	2 NC00 E 1157	79527 59																70		
2008/01/04 0		N806385 S424 NC00 110401 art Deleted from the Element	0 NC00 E 1163	31322 62																20		
	1	2W73 3E735 AA NC00 1104 ausal Code Given As Reason)																	
2008/01/04 0	Р	ROCESSCLARIFICATION	I IOI LITE NEVISIOI	"																		
2008/01/04 0		rocess Was Completed By HSIEH1																				
2008/01/04 0		common Usage Assigned to the	ne Process																			
2008/01/04 0	0:00 E	lement Text Revised OBTAIN (1) STEERING COL	LUMN EXTENSI	ION SHAF	T FROM	STOCK														10		
2008/01/04 0	<	OBTAIN (1) STEERING COL lement Remark Revised																		10		
	=	*NO PART OMISSION OR S NSTALL AS SHOWN.	SUBSTITUTION.	l.																		
		* CONTROL ITEM: NO PAR' INSTALL AS SHOW		R SUBSTI	ITUTION.																	
2008/01/04 0		lement Text Revised OBTAIN (1) EXTENSION SH		ND RETAII	NFR) FR(OM STOO	CK													20		
2008/01/04 0	<	OBTAIN (1) EXTENSION SH lement Text Revised																		30		
_300,01,0+0	=	INSERT BOOT AND RETAIN	NER ONTO COL	LUMN EX	TENSION	SHAFT														30		
2008/01/04 0	0:00 E	lement Text Revised POSITION BOOT AND RETAIN						\FT												40		
2008/01/04 0	<	POSITION BOOT AND RETAIL PROSITION BOOT AND RETAIL REMAINS AND REM																		50		
_500/01/040	=	INSERT EXTENSION SHAF INSERT EXTENSION SHAF																		50		
			. SITTER TOPIE		TIOLL	- 114 DAOI		•														
Notice Numb	per				Statio	n				Critical	Signific	cant	Primary C	PSC	110400	0		Illustra	itions	0		

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110400	Illustrations 0	Process Number
Family Model Year Revision Copy Concern Nun CFB 2008.00 1 0	nber Study / Alternative C/N Status A	YN	ASSEMBLE COLUMN EXT SHAFT TO COLUMN	BOOT AND SECURE TO STEERING COLUMN	F R C 03580

Process Owner	: Messervey, B. C. (Brandon)	Phone:	1-519-6375405	Report Date:	2008/12/30 02:25	UNCONTROLLED DOCUMENT	
2008/01/04 00:00	Element Text Revised						60
	= INSERT BOOT RETAINER FLANGE HOLES OVER EXIS						
2000/04/04 22 22	< INSERT BOOT RETAINER FLANGE HOLES OVER EXIS	TING DASH PANEL STUDS.					70
2008/01/04 00:00	Element Text Revised = OBTAIN (2) NUTS FROM STOCK						70
	< OBTAIN (2) NOTS FROM STOCK < OBTAIN (2) NUTS FROM STOCK.						
2008/01/04 00:00	Element Text Revised						80
	= HANDSTART (2) NUTS ONTO (2) DASH PANEL STUDS						
	< HANDSTART (2) NUTS ONTO (2) DASH PANEL STUDS.						
2008/01/04 00:00	Element Remark Deleted						80
000/04/04 00 00	< * NOTE: NUTS SECURED IN PROCESS CI3280.						20
008/01/04 00:00	Element Text Revised = ALIGN EXTENSION SHAFT WITH STEERING COLUMN	INIVERSAL IOINT					90
	< ALIGN EXTENSION SHAFT WITH STEERING COLUMN						
008/01/04 00:00	Element Text Revised	OTTIVE TO TE CONTIT					100
	= INSERT EXTENSION SHAFT INTO STEERING COLUMN						
	< INSERT EXTENSION SHAFT INTO STEERING COLUMN	UNIVERSAL JOINT.					
2008/01/04 00:00	Element Text Revised						110
	= OBTAIN (1) BOLT FROM STOCK < OBTAIN (1) BOLT FROM STOCK.						
008/01/04 00:00	< OBTAIN (1) BOLT FROM STOCK. Element Remark Revised						110
000/01/04 00.00	= *NO PART OMISSION OR SUBSTITUTION.						110
	<* CONTROL ITEM: NO PART OMISSION OR SUBSTITU	TION					
008/01/04 00:00	Element Text Revised						120
	= INSERT BOLT THRU STEERING UNIVERSAL JOINT AN						
	< INSERT BOLT THRU STEERING UNIVERSAL JOINT AN	D EXTENSION SHAFT GRO	OVE.				
008/01/04 00:00	Element Text Revised						130
	= TIGHTEN BOLT USING POWERTOOL < TIGHTEN BOLT WITH POWERTOOL.						
008/01/04 00:00	Element Remark Revised						130
000/01/04 00:00	= *TORQUE CONTROL.						100
	< * CONTROL ITEM: TORQUE CONTROL						
2008/01/04 00:00	Element Text Revised						85
	= TIGHTEN (2) {LOOSE ASSEMBLED} NUTS {ON DASH P				RTOOL		
2008/01/04 00:00	< TIGHTEN (2) {LOOSE ASSEMBLED} NUTS {ON DASH P Element Remark Revised	ANEL STUDS ATTACHING SHA	AFT BOOT AND RETAINER	TO DASH PANEL}.			85
2006/01/04 00:00	= *TIGHTEN NUTS ALTERNATELY AND EVENLY.						63
	*WHEN BOTH NUTS CANNOT BE SECURED BY OPERAT	OR. VEHICLE MUST BE TAGG	ED BY PLACING A STICKE	R ON THE BODY.			
	< NOTE: TIGHTEN NUTS ALTERNATELY AND EVENLY.				BY PLACING A STICKER ON	THE BODY.	
2008/01/04 00:00	Installation Torque Variance Revised						130
	For tool: CA N10 -1T from: 5 to 4.5						
008/01/04 00:00	Tool Remark Revised						130
	For Tool: CA N10 -1T From: To: TORQUE CONTROL						
2008/01/04 00:00	Part Unit Of Measure Revised						110
	For part: W710820 S306 NC00 110401 2 NC00 E 1183055	3 20 from: EA to: NULL					
2008/01/04 00:00	Part Deleted from the Element						10
	5W13 3F728 AC NC00 110401 0 NC00 E 11427227 91						
008/01/04 00:00	Part Deleted from the Element						10
	5W13 3F728 AC NC00 110401 0 NC00 I 11889982 11						
008/01/04 00:00	Part Deleted from the Element						10
	5W13 3F728 AC NC00 110401 0 NC00 E 11924770 0						
2008/01/04 00:00	Part Deleted from the Element						10
000/04/04 00 00	9W73 3F728 AA NC00 110401 0 NC00 I 11889982 11						40
008/01/04 00:00	Part Deleted from the Element						10
000/00/00 40 00	9W73 3F728 AA NC00 110401 0 NC00 E 11924770 0						
008/02/20 13:20	GC Process Owner Revised, Prior Owner Was						
000/00/00 00:05	DHSIEH1						70
008/03/22 08:25	Part Added to the Element						70
000/00/00 40 00	N806385 S58 NC00 110401 1 NC00 E 10337716 0						
008/08/06 10:08	GC Process Owner Revised, Prior Owner Was						
000/00/45 40-40	SROZANSK						
2008/08/15 13:10	GC Process Owner Revised, Prior Owner Was						
	JMCALPI1						

Notice Number	Station		tical Significant ments Elements	Primary CPSC	110400	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Num CFB 2008.00 1 0	ber Study / Alternative C/N	Status A	Y N	ASSEMBLE COLUMN I	EXT SHAFT TO COLUMN BOOT	AND SECURE TO STEERING COL	-UMN	F R C 03580

PE12-025 FORD 11/9/2012 APPENDIX K Process Number FRZ 03240

Process Owner	: Moulder, J. P. (lack)			Phone:	1-519-6	375057			Rep	ort Date:	2007/07/29	9 03:01		UNC	CONTROL	LED DOCUME!	NT		
ATTACH INTERMED	DIATE SHAFT TO COLUMN E	XTENSION SHAFT																		
ype Status / I I D 200		le Earliest II 2004/07/1			Latest Out 2004/08/13					L/S Ind. L	PFME	A								
eference Manuals AC-110401-01																				
rocess CPSC's											onsible PN									
Primary Coo	de Description O000 STEERING SYST	EM								PMT	Program	Model	Year	Description	1					
	0401 STEERING COLU 0700 Four-Wheel Steer		or Control Cu	la a rata m																
	0701 Auxiliary Steering	ing Actuator & Actuato Actuator	or Control Su	ibsystem																
	0702 Sensors 0703 Logic Module																			
	0704 Motor Drive Modu	le																		
Osmisal Firm	Family	Model Year		Number	Revision		Conc	ern Number		Study / A	Iternative		C/I	N						
Copied From Varianced Against	CFB st CFB	2005.00 2005.00	FRZ FRZ		1 1	0														
Replaces	CFB	2005.00	FRZ		1	0														
Replaced By	CFB	2005.00	F R Z	Z 3240	3	0														
associated Plants	AS ASSEMBLY				Staff Assigned Chassis	I ALL			Effect	tivity Type		in Date 04/07/19		Eff Out Date 2004/08/13						
Ele # {PIT OF 10 Remark	's	IATE SHAFT TO EXT		ins N	Key Y	Тур	М	Val	Υ	MCT	0.00000		Freq	1	ROS	N		Plants	: STH	
Ele # INSERT	T INTERMEDIATE SHAFT INT	O COLUMN EXTENS	SION SHAFT	T UNIVERS	SAL YOKE (PR	OTRUDING 1	THRU DAS	H}.										Plants	: STH	
* CONT	TROL ITEM: INSTALL AS SHO	OWN																		
	EREACTION PLAN STICKER I ESS CANNOT BE COMPLETE		FTHIS																	
Element UCC's	'e	C/S	N	Ins N	Key Y	Тур	М	Val	Υ	MCT	0.00000		Freq	1	ROS	N				
CFB	•																			
CFP	-																			
Ele # OBTAII	IN (1) BOLT FROM STOCK.																	Plants	: STH	
* CONT	TROL ITEM: NO PART OMISS	ION OR SUBSTITUT	ION.																	
Element UCC's		C/S		Ins N	Key Y	Тур	М	Val	Υ	MCT	0.00000		Freq	1	ROS	N				
CFB	-																			
CFP C/S Part/Descrip			Status	Side Quantit	ty UOM	Side C	uantity	UOM	C/S	Part/Descr	iption					Status	Side Quantity	UOM	Side Quantity	UOM
otice Number	NC00 E 11579527	59		Station			Critical Elemen	Significates Element		rimary CPS	С	110000				Illustrat	tions	0	- Process Numbe	ır
amily Model Year FB 2005.00	Revision Copy Conce	ern Number Stu	dy / Alternat	tive C	/N Status D		Y	N		TTACH INT	ERMEDIA	TE SHAFT 1	TO COLUI	MN EXTENSIO	N SHAF	т			F R Z	03240
																			Page 1	_

	: Moulder, J. P. (Jack)					Phone:	1-519	-6375057			n	eport Date:	2007/07/29 03	3:01		UNC	ONTROLLEL	DOCUMENT				
	1803942 S101 .5X35 HEX FLNG HD 10	NC00 11040	000) C					VQ		C		N803942 10X1.5X35 HE			NC00 11	0401 00	2 C				1.00	EA
C W BOLT M10X35	V710820 \$306 5 HF ADH 10	NC00 11040	01 000) C					1.00	EA													
le # HANDST) Remark	TART (1) BOLT THRU YOKI	Ξ.																		Plants	: STH		
Element UCC's CFBCFP	ı		C/S	N	Ins	N	Key	Ү Тур	M	Val	Y	MCT	0.00000		Freq	1	ROS	N					
e # TIGHTEI) Remark																				Plants	: STH		
* CONTR	ROL ITEM: TORQUE CONTI	ROL	C/S	С	Ins	N	Key	Ү Тур) М	Val	Υ	MCT	0.00000		Freq	1	ROS	N					
C/S Tool/Descrip C CA N10T RT ANGLE N	iption/Remark NUTRUNNER TORQUE SH	IUT OFF		Qı	uantity		orque Nom 30.00	Var 4.50	Minimum	n	(CMPPS(escription/Re 00058669 NSION- 6 INCH					Quant		rque Nom .00	Var 0.00	Minimu	n
CMPPS000586 HEX SOCKE	9670 ET {13MM A.F.}				1	(0.00	0.00															
# (INCIDE																							
# {INSIDE Remark	CAR) REMOVE RESTRICT	TOR TOOL FRO	DM B	оттом	END OF	STEERII	NG COLUM	IN.												Plants	: STH		
* CONTF Element UCC's CFB	ROL ITEM: REQUIRED INST		ΕP	N N	END OF		NG COLUN Key) M	Val	Υ	мст	0.00000		Freq	1	ROS	N		Plants	: STH		
* CONTF Element UCC's CFBCFP	ROL ITEM: REQUIRED INST		ΕP						M	Val	Y	мст	0.00000		Freq	1	ROS	N			: STH		
Remark * CONTF Element UCC's CFB CFP # DISCARI	ROL ITEM: REQUIRED INST		ΕP			N		Ү Тур	M M	Val Val		MCT	0.00000		Freq		ROS						
Remark * CONTF Element UCC's CFP # DISCARI Remark Element UCC's CFB CFP sion Log	ROL ITEM: REQUIRED INST RD RESTRICTOR TOOL Description / Addende Causal Code Given As DESIGN CHANGE NO	a Reason for the 20 E 11579527 (C/S C/S	N	Ins	N	Key	Ү Тур					0.00000								: STH	Prev	rious Ele
Remark * CONTF Element UCC's CFB # DISCARI Remark Element UCC's CFB CFP Sion Log	ROL ITEM: REQUIRED INST RD RESTRICTOR TOOL Description / Addenda Causal Code Given As	a Reason for the l 00 E 11579527 (d By	C/S C/S Revision 059 E 116222	N N	Ins	N	Key	Ү Тур					0.00000							Plants	: STH	Prev	rious Ele

Notice Number	NC00 E11579527 59	Station	Critical Signifi	110000	Illustrations	0	- Process Number
Family Model Year CFB 2005.00	Revision Copy Concern Number 2 0	er Study / Alternative C/N Status D	Y	IATE SHAFT TO COLUM	MN EXTENSION SHAFT		F R Z 03240

Process Owner Moulder, J. P. (Jack) Phone: 1-519-6375057 Report Date: 2007/07/29 03:01 UNCONTROLLED DOCUMENT 2004/05/20 00:00 Part Added to the Element 30 W710820 S306 NC00 110401 2 NC00 E 11579527 59 2004/05/25 15:37 30 Part Added to the Element W710820 S306 NC00 110401 0 NC00 E 11579527 47

Notice Number	NC00 E 11579527 59	Station	Critical Sign Elements Eler		Primary CPSC	110000	Illustrations	0	Process Number
Family Model Year CFB 2005.00	Revision Copy Concern Number 2 0	Study / Alternative C/N Status D	14	N	ATTACH INTERMEDIAT	E SHAFT TO COLU	IMN EXTENSION SHAFT		F R Z 03240
					•				Domo 2 (Loot)

	ocess Owner	: Moulder, J. P. (Jack)		Phone: 1	-519-6375057		Report Date: 2007	7/07/29 03:01	UNCONTROLLED DOCUMENT		
Description Post	TACH INTERMEDIATE	E SHAFT TO COLUMN EXTE	NSION SHAFT								
Content Cont											
Code Description Code Description Code Description Code Description Code											
Copied From CFB 2055.00 F F Z 2340 2 0	imary Code 110000 110401 110700 110701 110702 110703	STEERING SYSTEM STEERING COLUMN Four-Wheel Steering A Auxiliary Steering Actu Sensors Logic Module		1				Model Year Description			
## ST. THOMAS ASSEMBLY Chassis F 2004/08/13 2004/09/07 ### INSERT INTERMEDIATE SHAFT INTO COLUMN EXTENSION SHAFT UNIVERSAL YOKE (PROTRUDING THRU DASH). ### INSERT INTERMEDIATE SHAFT INTO COLUMN EXTENSION SHAFT UNIVERSAL YOKE (PROTRUDING THRU DASH). ### Plants : STH ### CONTROL ITEM: INSTALL AS SHOWN PROCESS CANNOT BE COMPLETED C/S N Ins N Key Y Typ M Val Y MCT 0.00000 Freq 1 ROS N ### Element UCC's CFP CFF C	/arianced Against Replaces	CFB 2 CFB 2 CFB 2	005.00 F R Z 3240 005.00 F R Z 3240 005.00 F R Z 3240	2 2 2	0 0 0	n Number	Study / Alternative	C/N			
Remark		SSEMBLY									
**CONTROL ITEM: INSTALL AS SHOWN PLACE REACTION PLAN STICKER IN PROPER PLACE IF THIS PROCESS CANNOT BE COMPLETED **C'S N Ins N Key Y Typ M Val Y MCT 0.00000 Freq 1 ROS N C'S CFB											
Element UCC's CFB Ite # OBTAIN (1) BOLT FROM STOCK. O Remark *CONTROL ITEM: NO PART OMISSION OR SUBSTITUTION. CIS C Ins N Key Y Typ M Val Y MCT 0.00000 Freq 1 ROS N Element UCC's CFB CFP CIS Part/Description C N803942 S101 NC00 110401 000 C VQ BOLT M10X1.5X35 HEX FLNG HD 10 C W710820 S306 NC00 110401 000 C 1.00 EA **CONTROL ITEM: NO PART OMISSION OR SUBSTITUTION. C/S Part/Description C N803942 S101 NC00 110401 000 C TO NC00 Side Quantity VQ C N803942 S101 NC00 110401 002 C TO NC00 TI0401 000 C TO NC00 TI0401 TI0401 000 C TO NC00 TI0401 000 C TO NC00 TI0401 000 C TO NC00 TI0401 TI0	0 Remark * CONTROL PLACE REA	LITEM: INSTALL AS SHOWN ACTION PLAN STICKER IN PP	OPER PLACE IF THIS				MCT 0.0000	Eron 1	POS N	Plants : STH	
* CONTROL ITEM: NO PART OMISSION OR SUBSTITUTION. C/S C Ins N Key Y Typ M Val Y MCT 0.00000 Freq 1 ROS N Element UCC's CFB CFP CFP CFP 2 1 ROS N C/S Part/Description C N803942 S101 NC00 110401 000 C VQ BOLT M10X1.5X35 HEX FLNG HD 10 C W710820 S306 NC00 110401 000 C 1.00 EA	CFB		C/S IN IIIS	iv key i	тур №	vai r	WC1 0.00000	rreq	NUS N		
C S C Ins N Key Y Typ M Val Y MCT 0.00000 Freq 1 ROS N	0 Remark									Plants : STH	
C N803942 S101 NC00 110401 000 C VQ C N803942 S101 NC00 110401 002 C 1.00 BOLT M10X1.5X35 HEX FLNG HD 10 C W710820 S306 NC00 110401 000 C 1.00 EA	Element UCC's	TIEM: NO PART OMISSION		N Key Y	Тур М	Val Y	MCT 0.00000	Freq 1	ROS N		
	C N8039 BOLT M10X1.5X3	942 S101 NC 95 HEX FLNG HD 10	00 110401 000 C	Quantity UOM S	VQ		C N803942 S				UOM EA
tice Number Station Critical Significant Primary CPSC 110000 Illustrations 0					1.00	•					

N	Notice Number	Station	Critical Elements	Significant Elements	Primary CPSC	110000	Illustrations	0	Process Number
	Family Model Year Revision Copy Concern Number CFB 2005.00 3 0	r Study / Alternative C/N Status D	Y	N	ATTACH INTERMEDIA	TE SHAFT TO COL	UMN EXTENSION SHAFT		F R Z 03240

Process Ow	ner	: Moulder, J. P. (Jack)					Phone	:	1-519-6	375057			R	eport Date:	2007/07/2	9 03:01		UNC	ONTRO	LLED DOCUM	ENT		
	HANDSTAF Remark	RT (1) BOLT THRU YOKE.																			Plants	: STH	
CFB	nt UCC's		C/S	N	Ins	N	Key	Y	Тур	М	Val	Y	MCT	0.00000		Freq	1	ROS	N				
	TIGHTEN E Remark	BOLT.																			Plants	: STH	
CFB	* CONTROI	LITEM: TORQUE CONTROL	C/S	С	Ins	N	Key	Y	Тур	М	Val	Υ	MCT	0.00000		Freq	1	ROS	N				
C CA N	ANGLE NU	TRUNNER TORQUE SHUT OFF		C	Quantity 1	1	Solution 30.00		4.50	Minimum			CMPPS(Description/R 00058669 NSION- 6 INC					C	Quantity 1	Torque Nom 0.00	Var 0.00	Minimum
	PS00058670 X SOCKET {				1		0.00		0.00														
Ele #	{INSIDE CA	AR} REMOVE RESTRICTOR TOOL	FROM	BOTTON	I END OF	STEEF	RING COLU	JMN.													Plants	: STH	
CFB	* CONTROI	L ITEM: REQUIRED INSTALLATION	STEP C/S	N	Ins	N	Key	Y	Тур	М	Val	Y	MCT	0.00000		Freq	1	ROS	N				
	DISCARD F Remark	RESTRICTOR TOOL																			Plants	: STH	
CFB	nt UCC's		C/S	N	Ins	N	Key	N	Тур	М	Val	Y	MCT			Freq	1	ROS	N				
Revision Log Date 2004/08/13 0 2004/08/13 0	00:00	Description / Addenda Causal Code Given As Reason for PROCESSCLARIFICATION Process Was Completed By	the Revision	n																	Current E	ile#	Previous Ele #
2004/08/13 0 2004/08/13 0		KTHOMSO2 Element Deleted <{PIT OPERATOR} PULL INTERI Part Deleted from the Element N803942 S101 NC00 110401 0 N			EXTEND																10 30		

Notice Number	Station	Critical Significa	110000	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Numb CFB 2005.00 3 0	er Study / Alternative C/N Status D	Y N	EDIATE SHAFT TO COLUMN	N EXTENSION SHAFT		F R Z 03240

		Phone: 1-519-	-6375057	Report Date: 2007/07/29 03:01	UNCONTROLLED DOCUMENT	
TACH INTERMEDIATE SHAFT TO COLUMN EXTEN	NSION SHAFT					
pe Status / Date Causal Code D 2004/09/09 PC		Latest Out Date 2004/09/09		L/S Ind. PFMEA L		
ference Manuals IC-110401-01						
rimary Code Description 110000 STEERING SYSTEM 110401 STEERING COLUMN 110700 Four-Wheel Steering Ac 110701 Auxiliary Steering Actua 110702 Sensors 110703 Logic Module 110704 Motor Drive Module	ctuator & Actuator Control Subsystem ator			Responsible PMT's PMT Program Model Year	Description	
Copied From CFB 20 /arianced Against CFB 20 Replaces CFB 20	Idodel Year Process Number 005.00 F R Z 3240 005.00 F R Z 3240	Revision Cop 1 0 3 0 3 0 5 0	oy Concern Number	Study / Alternative C/N		
ssociated Plants "H ST. THOMAS ASSEMBLY		ff Assigned ALL assis	I		Eff Out Date 0004/09/09	
emark K-PVT						
L- # (DIT ODED ATON) DI II I INTERMENTATION						
	SHAFT TO EXTEND. C/S N Ins N	Кеу Ү Тур	o M Val Y	MCT 0.00000 Freq	Plants : STH 1 ROS N	
Element UCC'S CFB CFP LEIE # INSERT INTERMEDIATE SHAFT INTO CC	C/S N Ins N	Key Y Typ YOKE (PROTRUDING		MCT 0.00000 Freq		
O Remark Element UCC's CFB CFP Ele # INSERT INTERMEDIATE SHAFT INTO CC	C/S N Ins N OLUMN EXTENSION SHAFT UNIVERSAL	YOKE {PROTRUDING		MCT 0.00000 Freq	1 ROS N Plants : STH	
Element UCC's CFB CFP INSERT INTERMEDIATE SHAFT INTO CC Remark * CONTROL ITEM: INSTALL AS SHOWN PLACE REACTION PLAN STICKER IN PR PROCESS CANNOT BE COMPLETED Element UCC's CFB CFP	C/S N Ins N OLUMN EXTENSION SHAFT UNIVERSAL ROPER PLACE IF THIS	YOKE {PROTRUDING	THRU DASH}.	·	1 ROS N Plants : STH	
Element UCC'S CFB CFP Ele # INSERT INTERMEDIATE SHAFT INTO CC Remark * CONTROL ITEM: INSTALL AS SHOWN PLACE REACTION PLAN STICKER IN PR PROCESS CANNOT BE COMPLETED Element UCC'S CFB CFP Ele # OBTAIN (1) BOLT FROM STOCK. Remark * CONTROL ITEM: NO PART OMISSION CC Element UCC'S CFB CFP CFP	C/S N Ins N OLUMN EXTENSION SHAFT UNIVERSAL ROPER PLACE IF THIS C/S N Ins N OR SUBSTITUTION. C/S C Ins N	YOKE {PROTRUDING Key Y Typ	THRU DASH}. M Val Y M Val Y	MCT 0.00000 Freq	1 ROS N Plants : STH 1 ROS N Plants : STH	
Element UCC'S CFB CFP Ele # INSERT INTERMEDIATE SHAFT INTO CC Remark * CONTROL ITEM: INSTALL AS SHOWN PLACE REACTION PLAN STICKER IN PR PROCESS CANNOT BE COMPLETED Element UCC'S CFB CFP Ele # OBTAIN (1) BOLT FROM STOCK. Remark * CONTROL ITEM: NO PART OMISSION C Element UCC'S CFB	C/S N Ins N OLUMN EXTENSION SHAFT UNIVERSAL ROPER PLACE IF THIS C/S N Ins N OR SUBSTITUTION.	YOKE {PROTRUDING Key Y Typ	THRU DASH).	MCT 0.00000 Freq	1 ROS N Plants : STH Plants : STH	, UOM

Process Owner	: Moulder, J. P. (Jack)					Phone	:	1-519-63	375057			Re	eport Date: 2007/0	7/29 03:01		U	NCON.	ROLLED DOCU	JMENT			
	03942 S101 NC00 X35 HEX FLNG HD 10	110401 000	C					VC	2		(N803942 S1 10X1.5X35 HEX FLN			110401	002	С			1.00	EA
Ele # HANDST. 40 Remark	ART (1) BOLT THRU YOKE.										ı								Plants	: STH		
Element UCC's CFBCFP		C/S	N	Ins	N	Key	Υ	Тур	М	Val	Υ	MCT	0.00000	Fre	1	RO	1 6	I				
Ele # TIGHTEN 50 Remark	I BOLT.																		Plants	: STH		
* CONTR Element UCC's CFB CFP	OL ITEM: TORQUE CONTROL	C/S	С	Ins	N	Key	Υ	Тур	М	Val	Υ	MCT	0.00000	Fre	1	RO	1 6	I				
C/S Tool/Descrip C CA N12T RT ANGLE N	otion/Remark		Qu	antity 1		orque Nor 47.50		r I	Minimum			CMPPS0	escription/Remark 0058669 ISION- 6 INCH LONG	à				Quantity 1	Torque Nom 0.00	Var 0.00	Minimum	
CMPPS000586 HEX SOCKE	770 T {13MM A.F.}			1	(0.00	0	.00														
Ele# {INSIDE 0	CAR} REMOVE RESTRICTOR TOC	OL FROM B	ОТТОМ	END OF	STEERI	NG COLU	JMN.												Plants	: STH		
* CONTR Element UCC's CFB CFP	OL ITEM: REQUIRED INSTALLATIO	ON STEP C/S	N	Ins	N	Key	Υ	Тур	М	Val	Υ	MCT	0.00000	Fre	ų 1	RO	1 6	ı				
Ele # DISCARD 70 Remark	D RESTRICTOR TOOL																		Plants	: STH		
Element UCC's CFB		C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT		Fre	ղ 1	RO	1 8	I				
Revision Log Date 2004/09/07 00:00 2004/09/07 00:00	Description / Addenda Causal Code Given As Reason f PROCESSCLARIFICATION Process Was Completed By	for the Revision																	Current	Ele#	Previo	ous Ele #
2004/09/07 00:00	KTHOMSO2 Element Added = {PIT OPERATOR} PULL INTE Tool Deleted From the Element		FT TO E	XTEND.															10 50			
2004/09/07 00:00	CA N10T Tool Added to the Element CA N12T																		50			
2004/09/07 00:00	Part Deleted from the Element W710820 S306 NC00 110401 (Part Deleted from the Element W710820 S306 NC00 110401 2																		30 30			
Notice Number				Ctotio-					Critical	Ciamis:	ont	Drimon: 0	Dec 4400	000			III-	atration :	0	1		
Notice Number				Station					Critical Elements	Signific Element		Primary Cl	PSC 1100	100			IIIL	strations	0	Proces	s Number	

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110000	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Num CFB 2005.00 4 0	nber Study / Alternative C/N Status D	YN	ATTACH INTERMEDIATE SHAFT TO COLUMN E	XTENSION SHAFT		F R Z 03240

Process Owner Moulder, J. P. (Jack) Phone: 1-519-6375057 Report Date: 2007/07/29 03:01 UNCONTROLLED DOCUMENT 2004/09/07 00:00 Part Added to the Element 30 N803942 S101 NC00 110401 0 NC00 E 11031004 82

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110000 Illustrations 0	Process Number
Family Model Year Revision Copy Concern Number Study / CFB 2005.00 4 0	ternative C/N Status D	Y N	ATTACH INTERMEDIATE SHAFT TO COLUMN EXTENSION SHAFT	F R Z 03240

Dreeses Ourser	Mouldon LD / Is	ands)		Dhana	1 510 60	75057			mart Data	0007/07/00	00:01		LING	ONTROLLER	DOCUMENT			
Process Owner	: Moulder, J. P. (Ja			Phone:	1-519-63	3/505/		, n	eport Date:	2007/07/29	9 03:01		UNC	ONTROLLED	DOCUMENT			
	ATE SHAFT TO COLUMN EX																	
Type Status / Da N D 2004/		Earliest In Date 2004/09/09)	Latest Out Date 2004/09/30	1			L/S Ind. L	PFME	A								
deference Manuals AC-110401-01																		
Process CPSC's	B								sponsible P			B						
Primary Code Y 11000		EM						PINI	Program	Model	Year	Description						
N 11040 N 11070		MN ig Actuator & Actuator Con	trol Subsystem															
N 11070	01 Auxiliary Steering A																	
N 11070 N 11070																		
N 11070)																
Copied From	Family CFB		rocess Number R Z 3240	Revision 4	Copy 0	Concer	n Number	Study	/ Alternative	•	C/N	ı						
Varianced Against	CFB	2005.00 F	R Z 3240	4	0													
Replaces	CFB CFB		R Z 3240 R Z 3240	4 6	0													
Replaced By	OFB	2000.00 F	11 & 0240	U	U													
Associated Plants	1005HDIV			taff Assigned ALL				Effectivity Ty		ff In Date		Eff Out Date						
TH ST. THOMAS	SASSEMBLY		C	hassis					F 20	004/09/09		2004/09/30						
emark																		
)K-PVT																		
Element UCC's CFB CFP	TERMEDIATE SHAFT TO EX		N ins N	Key Y	Тур	М	Val	Y MCT	0.00000		Freq	1	ROS	N		Plants	: STH	
Ele # INSERT I 20 Remark	INTERMEDIATE SHAFT INTO	O COLUMN EXTENSION	SHAFT UNIVERSA	AL YOKE {PROTR	UDING TH	HRU DASH	}.									Plants	: STH	
PLACE R	IOL ITEM: INSTALL AS SHO REACTION PLAN STICKER IN S CANNOT BE COMPLETED	PROPER PLACE IF THIS	6															
	O OMININO I DE COMPLETEL		N Ins N	Key Y	Тур	М	Val	Y MCT	0.00000		Freq	1	ROS	N				
Element UCC's CFB																		
CFP																		
Ele # OBTAIN ((1) BOLT FROM STOCK.															Plants	: STH	
* CONTR	OL ITEM: NO PART OMISSION	ON OR SUBSTITUTION.																
Element UCC's			C Ins N	Key Y	Тур	М	Val	Y MCT	0.00000		Freq	1	ROS	N				
CFB																		
CFP C/S Part/Description	on	Si	atus Side Quantity	UOM	Side Qu	ıantity	UOM	C/S Part/Des	cription					Status Sic	le Quantity	UOM	Side Quantity	UOM
otice Number			Station			Critical Elements	Significa Elements		PSC	110000				Illustrations		0	Process Number	
Family Model Year CFB 2005.00	Revision Copy Concer 5 0	rn Number Study / A	Iternative C/N	I Status D		Y	N	1	NTERMEDIA	TE SHAFT 1	O COLUI	IN EXTENSION	N SHAF	т				3240
																	'	

rocess Owner : Moulder, J. P. (Jack)	Phone: 1-519-6375057	Report Date: 2007/07/29 03:01 UNCONTROLLED DOCUMENT
C N803942 S101 NC00 110401 000 C BOLT M10X1.5X35 HEX FLNG HD 10	VQ	C N803942 S101 NC00 110401 002 C 1.00 EA BOLT M10X1.5X35 HEX FLNG HD 10
Ele # HANDSTART (1) BOLT THRU YOKE. 40 Remark		Plants : STH
C/S N Ins N Element UCC's CFB CFP	l Key Y Typ M Va	/al Y MCT 0.00000 Freq 1 ROS N
Ele # TIGHTEN BOLT. 50 Remark		Plants : STH
* CONTROL ITEM: TORQUE CONTROL C/S C Ins N Element UCC's CFB CFP	l Key Y Typ M Va	/al Y MCT 0.00000 Freq 1 ROS N
C/S Tool/Description/Remark Quantity C CA N12T 1 RT ANGLE NUTRUNNER TORQUE SHUT OFF CMPPS00058670 1	Torque Nom Var Minimum 47.50 7.20 0.00 0.00	C/S Tool/Description/Remark Quantity Torque Nom Var Minimum CMPPS00058669 1 0.00 0.00 EXTENSION- 6 INCH LONG
Ele # {INSIDE CAR} REMOVE RESTRICTOR TOOL FROM BOTTOM END OF STI 60 Remark * CONTROL ITEM: REQUIRED INSTALLATION STEP C/S N Ins N Element UCC's CFB		Plants : STH /al Y MCT 0.00000 Freq 1 ROS N
Ele # DISCARD RESTRICTOR TOOL 70 Remark		Plants : STH
Element UCC's CFB CFP	N Key N Typ M Va	/al Y MCT Freq 1 ROS N
evision Log Description / Addenda 004/09/09 00:00 Causal Code Given As Reason for the Revision PROCESSCLARIFICATION 004/09/09 00:00 Process Was Completed By		Current Ele # Previous Ele #
KTHOMSO2 Element Text Revised = PULL INTERMEDIATE SHAFT TO EXTEND. < (PIT OPERATOR) PULL INTERMEDIATE SHAFT TO EXTEND. Part Deleted from the Element N803942 S101 NC00 110401 0 NC00 E 11031004 82		10 30
11000342 3101 11000 110401 0 11000 E 11031004 02		

Notice Number	Station	Critical Signific	110000	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Numb CFB 2005.00 5 0	er Study / Alternative C/N Status D	YN	 EDIATE SHAFT TO COLUMN	I EXTENSION SHAFT		F R Z 03240

	Moulder, J. P. (Jac	CK)		Phor	e:	1-519-63750)57		Report Date:	2007/07/29 0	3:01	ι	INCONTROL	LED DOCUMEN	Т		
TACH INTERMEDIATE S	SHAFT TO COLUMN EXT	TENSION SHAFT															
pe Status / Date D 2005/01/05	Causal Code 5 PC	Earliest In D 2004/09/30	Oate	Lates 2005/9	t Out Date 01/05			L/S I	nd. PFMI	EA							
eference Manuals AC-110401-01																	
rocess CPSC's rimary Code 110000 110401 110700 110701 110702 110703 110704	Description STEERING SYSTEN STEERING COLUM Four-Wheel Steering Auxiliary Steering Ac Sensors Logic Module Motor Drive Module	IN g Actuator & Actuator C ctuator	Control Subsyster	n					Responsible F MT Program		ear Do	escription					
Copied From Varianced Against Replaces Replaced By	Family CFB CFB CFB CFB	2005.00 2005.00 2005.00	Frocess Numb F R Z 324 F R Z 324 F R Z 324 F R Z 324	0 5 0 5 0 5	ision	Copy 0 0 0 0	Concern Numb	er Stu	dy / Alternative	е	C/N						
Associated Plants STH ST. THOMAS ASS	SEMBLY			Staff Ass Chassis	gned ALL			Effectivity		Eff In Date 2004/09/30		Out Date 5/01/05					
Remark DK-PVT																	
Ele # PULL INTERM	MEDIATE SHAFT TO EXT	TEND													Plants	: STH	
	ILLUMITE STATE TO EAT	C/S	N Ins	N Key	Y	Тур	M Val	Y MC	т 0.00000		Freq 1	RC	S N				
10 Remark Element UCC's CFB CFP Ele # INSERT INTER 20 Remark * CONTROL IT	RMEDIATE SHAFT INTO	C/S COLUMN EXTENSIO	ON SHAFT U	N Key				Y MC	т 0.00000		Freq 1	RC	S N		Plants	: STH	
10 Remark Element UCC's CFB CFP Ele # INSERT INTER 20 Remark * CONTROL IT PLACE REACT	RMEDIATE SHAFT INTO	C/S COLUMN EXTENSIO VN PROPER PLACE IF T	ON SHAFT U	NIVERSAL YOKE			J DASH}.				Freq 1				Plants	: STH	
10 Remark Element UCC's CFB CFP Ele # INSERT INTER 20 Remark * CONTROL IT PLACE REACT PROCESS CA Element UCC's CFB CFP	RMEDIATE SHAFT INTO TEM: INSTALL AS SHOV TION PLAN STICKER IN	C/S COLUMN EXTENSIO WN PROPER PLACE IF T	ON SHAFT U	NIVERSAL YOKE	: {PROTRUI	DING THRU	J DASH}.									: STH	
Ele # INSERT INTER PROCESS CA Element UCC'S CFP Ele # INSERT INTER PLACE REAC' PROCESS CA Element UCC'S CFP CFP Ele # OBTAIN (1) BG 30 Remark	RMEDIATE SHAFT INTO TEM: INSTALL AS SHOV TION PLAN STICKER IN INNOT BE COMPLETED	C/S COLUMN EXTENSION NN PROPER PLACE IF T C/S ON OR SUBSTITUTION C/S	ON SHAFT U	NIVERSAL YOKE	Y Y	DING THRU	J DASH}. M Val	Y MC				RO	S N	Side Quantity	Plants		UOM
Ele# INSERT INTEF 20 Remark * CONTROL IT PLACE REACT PROCESS CA Element UCC's CFB CFP Ele # OBTAIN (1) BG Remark * CONTROL IT Element UCC's CFB CFP Ele# OBTAIN (1) BG Remark	RMEDIATE SHAFT INTO TEM: INSTALL AS SHOV TION PLAN STICKER IN INNOT BE COMPLETED OLT FROM STOCK.	C/S COLUMN EXTENSION NN PROPER PLACE IF T C/S ON OR SUBSTITUTION C/S	ON SHAFT U	NIVERSAL YOKE N Key	Y Y	Typ	J DASH}. M Val	Y MC	T 0.00000		Freq 1	RO	S N	Side Quantity	Plants	: STH	UOM

	: Moulder, J. P. (Jack)					Phone	:	1-519-6	375057			R	eport Date: 200	7/07/29 03:0			UNCC	NTROLLED DO	CUMENT			
BOLT M10X1.5X	3942 S101 NC00 1104 35 HEX FLNG HD 10	01 000	С					V	Q		C		N803942 10X1.5X35 HEX FL	S101 NG HD 10		0 110401	002	С			1.00	EA
le # HANDSTA) Remark	RT (1) BOLT THRU YOKE.																		Plants	: STH		
Element UCC's CFBCFP		C/S	N	Ins	N	Key	Y	Тур	M	Val	Y	MCT	0.00000	Fre	q 1	I	ROS	N				
e # TIGHTEN I	BOLT.																		Plants	: STH		
* CONTRO Element UCC's CFB CFP	LITEM: TORQUE CONTROL	C/S	С	Ins	N	Key	Υ	Тур	М	Val	Υ	МСТ	0.00000	Fre	q 1	ı	ROS	N				
C/S Tool/Descripti	TRUNNER TORQUE SHUT OFF		Qu	uantity 1	1	Forque No 47.50	m	Var 7.20 0.00	Minimum			CMPPS(Description/Remar 00058669 NSION- 6 INCH LO					Quantity 1	Torque Nom 0.00	Var 0.00	Minimum	1
Remark	AR} REMOVE PIN FROM BOTTOM END OLITEM: REQUIRED INSTALLATION ST		ERING C	COLUMN.		Key	Υ	Тур	М	Val	Υ	МСТ	0.00000	Fre	q 1	ı	ROS	N	Plants	: STH		
# DISCARD Remark	PIN																		Plants	: STH		
Element UCC's		C/S	N	Ins	N	Key	N	Тур	M	Val	Υ	МСТ		Fre	q 1	ı	ROS	N				
CFP																						
cfpsion Log /09/30 00:00 /09/30 00:00	Description / Addenda Causal Code Given As Reason for the PROCESSCLARIFICATION Process Was Completed By KTHOMSO2	Revision																	Current	Ele#	Previ	ous Ele

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110000	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Num CFB 2005.00 6 0	bber Study / Alternative C/N Status D	Y N	ATTACH INTERMEDIATE SHAFT TO COLUMN EX	KTENSION SHAFT		F R Z 03240

rocess Owner :	Moulder, J. P. (Jac	k)		Phone:	1-519-63	375057		Repo	ort Date:	2007/08/03 17:0	2	UNC	CONTROLLE	D DOCUMEN	Т	
TACH INTERMEDIATE SHA	AFT TO COLUMN EXT	ENSION SHAFT														
Ppe Status / Date D 2005/01/05	Causal Code PC	Earliest In Date 2004/09/30		Latest Out Date 2005/01/05	•			L/S Ind. L	PFMEA							
ference Manuals .C-110401-01																
Docess CPSC's mary Code 110000 110401 110700 110701 110702 110703 110704	Description STEERING SYSTEM STEERING COLUM Four-Wheel Steering Auxiliary Steering Ac Sensors Logic Module Motor Drive Module	N Actuator & Actuator Contr	ol Subsystem						onsible PM Program	T's Model Year	Descriptio	n				
copied From arianced Against deplaces deplaced By	Family CFB CFB CFB CFB	2005.00 F 2005.00 F 2005.00 F	R Z 3240 R Z 3240 R Z 3240 R Z 3240 R Z 3240	Revision 5 5 5 1	Copy 0 0 0 0	Concern	Number	Study / A	Iternative		C/N					
sociated Plants H ST. THOMAS ASSEM	ИВLY			taff Assigned ALL hassis	-			Effectivity Type		In Date 4/09/30	Eff Out Date 2005/01/05					
emark K-PVT																
le # PULL INTERMED 0 Remark Element UCC's CFB CFP	DIATE SHAFT TO EXT	END. C/S N	ins N	Key Y	Тур	М	Val Y	′ мст	0.00000	Fri	rq 1	ROS	N		Plants	: STH
e # INSERT INTERM Remark	EDIATE SHAFT INTO	COLUMN EXTENSION S	HAFT UNIVERSA	L YOKE {PROTR	UDING TH	IRU DASH}	•								Plants	: STH
PLACE REACTION	M: INSTALL AS SHOW IN PLAN STICKER IN IOT BE COMPLETED	/N PROPER PLACE IF THIS C/S N	ins N	Key Y	Тур	М	Val Y	′ мст	0.00000	Fre	:q 1	ROS	N			
le # OBTAIN (1) BOL D Remark	T FROM STOCK.														Plants	: STH
Element UCC's CFB CFP	M: NO PART OMISSIO	N OR SUBSTITUTION. C/S C		Key Y			Val \			Fre	oq 1	ROS				
C/S Part/Description		Sta	tus Side Quantity	UOM	Side Qu	antity (JOM	C/S Part/Descr	iption				Status S	Side Quantity	UOM	Side Quantity UOM
tice Number mily Model Year Revis	sion Copy Concern	Number Study / Alt	Station C/N	Status			Significan Elements			110000 E SHAFT TO CO	LUMN EXTENSIO	ON SHAF	Illustration	ns	0	Process Number
B 2005.00 6	0			D		Υ	N									F R Z 0324

cess Owner	: Moulder, J. P. (Jack)					Phone):	1-519-6	375057			R	eport Date: 2007/	08/03 17:02			UNCC	NTROLLED DOO	CUMENT			
	803942 S101 NC00 · 5X35 HEX FLNG HD 10	110401 000) C					V	Q		(N803942 S 10X1.5X35 HEX FLN	101 G HD 10	NC00	110401	002	С			1.00	EA
e # HANDST Remark	FART (1) BOLT THRU YOKE.										l								Plants	: STH		
Element UCC's CFBCFP		C/S	N	Ins	N	Key	Y	Тур	M	Val	Y	MCT	0.00000	Freq	1		ROS	N				
# TIGHTEI																			Plants	: STH		
* CONTR	ROL ITEM: TORQUE CONTROL	C/S	С	Ins	N	Key	Υ	Тур	М	Val	Υ	MCT	0.00000	Freq	1		ROS	N				
C/S Tool/Descrip	ption/Remark NUTRUNNER TORQUE SHUT OFF		Q	uantity 1		orque Noi 47.50	m \	/ar 7.20	Minimum			CMPPSC	escription/Remark 10058669 ISION- 6 INCH LON					Quantity 1	Torque Nom 0.00	Var 0.00	Minimun	n
CMPPS000586 HEX SOCKE	670 ET {13MM A.F.}			1		0.00		0.00														
e# {INSIDE Remark	CAR} REMOVE PIN FROM BOTTOM	I END OF STE	ERING C	COLUMN.	•														Plants	: STH		
* CONTE	ROL ITEM: REQUIRED INSTALLATION	N STEP C/S	N	Ins	N	Key	Υ	Тур	М	Val	Υ	MCT	0.00000	Freq	1	l	ROS	N				
e # DISCAR Remark																			Plants	: STH		
Element UCC's CFB		C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	мст		Freq	1		ROS	N				
rision Log e 5/01/03 20:42	Description / Addenda GC Process Owner Revised, Prior KTHOMSO2	r Owner Was																	Current I	Ele #	Previ	ious Ele#

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110000	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Num CFB 2005.00 6 0	nber Study / Alternative C/N Status D	Y N	ATTACH INTERMEDIATE SHAFT TO COLUMN	EXTENSION SHAFT		F R Z 03240

	Gjorgjevski, B. (Bo	oris)			Phone:	1-313-805	55853		Rep	ort Date: 2	2007/02/16 05:0	9	UNC	ONTROLL	ED DOCUMENT		
TACH INTERMEDIATE SH	HAFT TO COLUMN EXTE	ENSION SHAFT															
e Status / Date D 2006/03/15	Causal Code DE	Earliest In 2005/08/15			Latest Out Date 2006/03/15				L/S Ind. L	PFMEA							
erence Manuals C-110401-01																	
cess CPSC's mary Code 110000 110401 110700 110701 110702 110703 110704	Description STEERING SYSTEM Steering Column an Four-Wheel Steering Av Auxiliary Steering Av Sensors Logic Module Motor Drive Module	d Shaft g Actuator & Actuator	Control Subsy	stem						onsible PMT Program	's Model Year	Descrip	tion				
pied From rianced Against places placed By	Family CFB CFB CFB CFB	Model Year 2005.50 2005.50 2005.50 2006.50	Process No F R Z F R Z F R Z F R Z	3240 3240 3240	Revision 1 1 1 1	Copy 0 0 0	Concern N	lumber	Study / A	lternative		C/N					
ciated Plants ST. THOMAS ASSE	EMBLY				aff Assigned ALL nassis				Effectivity Type F		n Date 5/08/15	Eff Out D 2006/03/1					
# PIJI I INTEDMI																	
Remark Element UCC's CFB	EDIATE SHAFT TO EXTI	END. C/S	N	ins N	Key Y	Тур	М	Val Y	мст	0.00000	Fn	eq 1	ROS	N		Plants	: STH
Remark Element UCC's CFB CFP # INSERT INTERI Remark * CONTROL ITE PLACE REACTI	EMEDIATE SHAFT TO EXTI	C/S COLUMN EXTENSIO	IN SHAFT		Key Y YOKE (PROTRUD			Val Y	MCT	0.00000	Fr	eq 1	ROS	N		Plants	: STH
Remark Element UCC's CFB # INSERT INTERI Remark * CONTROL ITE PLACE REACTI PROCESS CAN Element UCC's CFB	EMEDIATE SHAFT INTO EM: INSTALL AS SHOW TON PLAN STICKER IN F	C/S COLUMN EXTENSIO	IN SHAFT		•			Val Y		0.00000		eq 1	ROS				
Remark Element UCC's CFB # INSERT INTERI Remark * CONTROL ITE PLACE REACTI PROCESS CAN Element UCC's CFB # OBTAIN (1) BO Remark	EMEDIATE SHAFT INTO EM: INSTALL AS SHOW TON PLAN STICKER IN F	C/S COLUMN EXTENSIO /N PROPER PLACE IF 1 C/S	IN SHAFT HIS N	UNIVERSAL	YOKE {PROTRUD	NG THRU	DASH).			0.00000	Fn			N		Plants	
Remark Element UCC's CFB # INSERT INTERI Remark * CONTROL ITE PLACE REACTI PROCESS CAN Element UCC's CFB CFP # OBTAIN (1) BO Remark * CONTROL ITE CONTROL ITE Element UCC's CFB CFP //S Part/Description	EMEDIATE SHAFT INTO EM: INSTALL AS SHOW TON PLAN STICKER IN FOUNDED BE COMPLETED DLT FROM STOCK. EM: NO PART OMISSION OF SHAPE COMPLETED TO SHA	C/S COLUMN EXTENSIO /N PROPER PLACE IF 1 C/S	IN SHAFT HIS N C Status S	UNIVERSAL Ins N	YOKE (PROTRUD Key Y	Typ Typ Side Qua	DASH). M	Val Y	мст	0.00000	Fn	eq 1	ROS	N N	Side Quantity	Plants	: STH
Remark Element UCC's CFB CFP # INSERT INTERI Remark * CONTROL ITE PLACE REACTI PROCESS CAN Element UCC's CFB CFP # OBTAIN (1) BO Remark * CONTROL ITE Element UCC's CFB CFP C/S Part/Description W710820 BOLT M10X35 HF AD	EMEDIATE SHAFT INTO EM: INSTALL AS SHOW TON PLAN STICKER IN FOUNDED BE COMPLETED DLT FROM STOCK. EM: NO PART OMISSION OF SHAPE COMPLETED TO SHA	C/S COLUMN EXTENSIO IN PROPER PLACE IF T C/S N OR SUBSTITUTION C/S NC00 110401 0	N SHAFT HIS N C Status S 00 C	UNIVERSAL Ins N	YOKE (PROTRUDI Key Y	Typ Typ Side Qua	M M antity UC	Val Y Val Y OM	MCT	0.00000 0.00000 iption	Fn	eq 1	ROS	N N		Plants	: STH

ocess Ow	ner	:	, 0,																ONTROLLED I			
e #	HANDSTAI Remark	RT (1) BO	OLT THRU	J YOKE.																Plants	: STH	
CFB	nt UCC's					C/S	N	Ins	N	Key	/ Тур	М	Val \	Y MCT	0.00000	Freq	1	ROS	N			
#	TIGHTEN E Remark	BOLT.																		Plants	: STH	
CFB	* CONTRO	L ITEM: T	TORQUE (CONTRO	L	C/S	С	Ins	N	Key	/ Тур) М	Val	Y MCT	0.00000	Freq	1	ROS	N			
CA I	ol/Description N12T ANGLE NU			UE SHU	OFF		Q	uantity 1		rque Nom 7.50	Var 7.20	Minimum		CMPPS	/Description/Rem 600058669 ENSION- 6 INCH L				Quantit 1	orque Nom 0.00	Var 0.00	Minimum
	PS00058670 EX SOCKET		.F.}					1	0	.00	0.00											
e#	{INSIDE CA	AR} REMO	OVE PIN	FROM E	ОТТОМ Е	ND OF STEE	RING CO	LUMN.												Plants	: STH	
	* CONTRO	L ITEM: R	REQUIRE	D INSTA	LATION S	TEP																
CFB	* CONTRO	L ITEM: R	REQUIRE	D INSTA	LATION S	TEP C/S	N	Ins	N	Key	/ Тур	о М	Val	Y MCT	0.00000	Freq	1	ROS	N			
CFB	nt UCC's		REQUIRE	D INSTA	LATION S	TEP C/S	N	Ins	N	Key	/ Тур	м м	Val	Y MCT	0.00000	Freq	1	ROS	N	Plants	: STH	
CFB CFP ##	nt UCC's		REQUIRE	D INSTA	LATIONS	C/S	N	Ins		Key Y		, M	Val N			Freq		ROS		Plants	: STH	
CFB CFP # Elemen	DISCARD F Remark		REQUIRE	D INSTA	LATIONS	C/S														Plants	: STH	
CFB CFP ##	DISCARD F Remark		REQUIRE	D INSTA	LATION S	C/S														Plants	: STH	
CFB CFP e # Elemei	DISCARD F Remark		REQUIRE	D INSTA	LATIONS	C/S														Plants	: STH	

Notice Number	NC00 E 11427227 139	Station		Critical Significant	Primary CPSC 110000	Illustrations	0	
-				Elements Elements				Process Number
Family Model Year	Revision Copy Concern Number	Study / Alternative C/	/N Status	V N	ATTACH INTERMEDIATE SHAFT TO COLUMN EXTER	NSION SHAFT		F R Z 03240
CFB 2006.00	1 0		D	I IN				1 H Z 03240
				•	<u>'</u>			Page 2 (Last)

Process Owner :	Gjorgjevski, B. (Boris	s)	Phone: 1-	313-80558	353	Report Date:	2007/02/16 05:09	UNCONTROLLED DOCUMENT	
ATTACH INTERMEDIATE SHAFT	TO COLUMN EXTEN	ISION SHAFT							
Type Status / Date N A 2006/03/15	Causal Code PC	Earliest In Date 2006/03/15	Latest Out Date 2007/05/01			L/S Ind. PFME L	EA		
Reference Manuals F AC-110401-01									
Y 110000 S N 110401 S N 110700 F N 110701 A N 110702 N 110703 L	Description STEERING SYSTEM Steering Column and 1 Four-Wheel Steering A Auxiliary Steering Actu. Sensors Logic Module Motor Drive Module	Actuator & Actuator Control Subsystem				Responsible PI PMT Program			
Copied From Varianced Against Replaces Replaced By	CFB CFB	Model Year Process Number 2006.00 F R Z 3240 2006.00 F R Z 3240 2006.00 F R Z 3240 2008.00 F R Z 3240	1 1 1	Copy 0 0 0 0 0	Concern Number	Study / Alternative	C/N		
Associated Plants STH ST. THOMAS ASSEMBL	Y		Staff Assigned ALL Chassis				ff In Date Eff Out Date 006/03/15 2007/05/01		
Remark THIS PROCESS REQUIRES MANI OPERATION HAS FAILED. REF: D 2006 UPDATE FASTENER FOR HI	D. HETTEL OUTLOOK	MESSAGE DATED 6/09/04.	DUND AN ALARM (THAT	CAN BE R	RESET BUT NOT BY	-PASSED BY THE PRODUCT	TION OPERATORS) AND WILL ACTIVA	ATE A RED FLASHING LIGHT (LARGE TOWE	R LIGHT SUGGESTED) WHEN
Ele # PULL INTERMEDIAT	TE SHAFT TO EXTEN							Plan	ts : STH
Element UCC's CFBCFP		C/S N Ins N	Key Y	Тур М	M Val	Y MCT 0.00000	Freq 1	ROS N	
20 Remark			AL YOKE {PROTRUDING	THRU DA	ASH}.			Plan	ts : STH
		OPER PLACE IF THIS C/S N Ins N	Key Y	Тур 1	M Val	Y MCT 0.00000	Freq 1	ROS N	
CFP									
Ele # OBTAIN (1) BOLT FI	ROM STOCK.								ts : STH
Element UCC's CFB CFP C/S Part/Description C W710820 BOLT M10X35 HF ADH 10		C/S C Ins N Status Side Quant C00 110401 000 C		Typ Mide Quant	ity UOM	Y MCT 0.00000 C/S Part/Description	Freq 1	ROS N Status Side Quantity UOM	Side Quantity UOM
Notice Number		Station		l Cri	itical Significar	nt Primary CPSC	110000	Illustrations 0	1
	n Copy Concern i		C/N Status A		ements Elements	<u> </u>	TE SHAFT TO COLUMN EXTENSION		Process Number F R Z 03240 Page 1 —

Process Ov	wner	: Gjorg	gjevski, B. (Boris)					Phone	e:	1-313-8	8055853			F	Report Date:	2007/02/16	05:09		UNC	ONTROL	LED DOCUM	MENT		
Ele # 40	HANDSTA Remark	RT (1) BOLT TH	IRU YOKE.																			Plants	: STH	
CFB	ent UCC's			C/S	N	Ins	N	Key	Y	Тур	М	Val	Y	мст	0.00000		Freq	1	ROS	N				
Ele # 50	TIGHTEN I Remark	BOLT.																				Plants	: STH	
CFB	* CONTRO	L ITEM: TORQU	JE CONTROL	C/S	С	Ins	N	Key	Υ	Тур	М	Val	Υ	мст	0.00000		Freq	1	ROS	N				
C CA RT	PPS0005867	TRUNNER TO	RQUE SHUT OFF			Quantity 1	,	Torque No 47.50	m '	Var 7.20	Minimum			CMPPS(Description/Re 00058669 NSION- 6 INC					Q	luantity 1	Torque Nom 0.00	Var 0.00	Minimum
HE	EX SOCKET	{13MM A.F.}																						
Ele # 60	Remark		PIN FROM BOTTON		ERING C	OLUMN.																Plants	: STH	
CFB	ent UCC's	L ITEW: REQUI	RED INSTALLATIO	C/S	N	Ins	N	Key	Y	Тур	М	Val	Y	МСТ	0.00000		Freq	1	ROS	N				
Ele # 70	DISCARD Remark	PIN																				Plants	: STH	
CFB	ent UCC's			C/S	N	Ins	N	Key	N	Тур	М	Val	Υ	MCT			Freq	1	ROS	N				
Revision Lo Date 2006/03/15	00:00	PROCESSO	Given As Reason f _ARIFICATION	for the Revision																		Current	Ele#	Previous Ele #
2006/03/15		RMEINTS Tool Deleted	Completed By From the Element																			50		
2006/03/15	00:00	CA N12T Tool Added t CA N12 -2T	o the Element																			50		
2006/03/15	00:00	Part Deleted	from the Element 101 NC00 110401 2	2 NC00 F 11307	'293 A																	30		
2006/03/15	00:00	Part Deleted	from the Element 101 NC00 110401 2																			30		
2006/03/16	15:16		Owner Revised, Pri																					
	og Comment												-											
Date 2006/03/16	15:16 OF	corded by S\$GSOP	PT-3 TOOLI	ING CONVERS	ION: REA	ASSIGNED	PROC	ESS OWN	ER FRO	OM PREVIO	OUS REVISI	ON												
Notice Num	nber					Station	n				Critical	Signifi	cant	Primary C	PSC	110000				Illustrat	tions	0		

Notice Number		Station		Critical	Significant Elements	Primary CPSC	110000	Illustrations	0	Process Number
Family Model Year Re CFB 2006.50	evision Copy Concern Numb 1 0	er Study / Alternative C/N	Status A	Y	N	ATTACH INTERMEDIAT	E SHAFT TO COLUMN E	XTENSION SHAFT		F R Z 03240

ATTACH INTERMEDIATE SHAFT TO COLUMN EXTENSION SHA	AFT							
71		Latest Out Date 2007/05/01			L/S Ind. PFMEA			
Reference Manuals F AC-110401-01								
Process CPSC's Primary Code ALL Description Y 110000 STEERING SYSTEM N 110401 STEERING COLUMN N 110700 RESERVED N 110701 RESERVED N 110702 RESERVED N 110703 RESERVED N 110704 RESERVED					Responsible PMT's PMT Program Model \	Year ALL Descriptio	n	
Copied From Family Model Year Copied From CFB 2006.00 Varianced Against CFB 2006.00 Replaces CFB 2006.00 Replaced By CFB 2008.00	Process Number F R Z 3240 F R Z 3240 F R Z 3240 F R Z 3240	1 1 1	Copy Concerr 0 0 0 0	n Number	Study / Alternative	C/N		
Associated Plants STH ST. THOMAS ASSEMBLY		ff Assigned ALL assis		E	ffectivity Type Eff In Date F 2006/03/15	Eff Out Date 2007/05/01		
Remark THIS PROCESS REQUIRES MANDATORY D.C. POWER TOOL AI OPERATION HAS FAILED. REF: D. HETTEL OUTLOOK MESSAG 2006 UPDATE FASTENER FOR HEX CHROME CHANGE - BGJOR EIe # PULL INTERMEDIATE SHAFT TO EXTEND. 10 Remark	E DATED 6/09/04.	IND AN ALARM (TH	HAT CAN BE RESE	ET BUT NOT BY	Y-PASSED BY THE PRODUCTION OP	PERATORS) AND WILL ACT	IVATE A RED FLASHING LIGHT (LARGE	
Element UCC's CFB CFP	C/S N Ins N	Key Y	Тур М	Val Y	MCT 0.00000	Freq 1 R	N SC	
Ele # INSERT INTERMEDIATE SHAFT INTO COLUMN EX 20 Remark	TENSION SHAFT UNIVERSAL	. YOKE {PROTRUD	NING THRU DASH}).			Plar	nts : STH
* CONTROL ITEM: INSTALL AS SHOWN PLACE REACTION PLAN STICKER IN PROPER PLA PROCESS CANNOT BE COMPLETED Element UCC's CFB CFP	ACE IF THIS C/S N Ins N	Key Y	Тур М	Val Y	MCT 0.00000	Freq 1 R	os n	
Ele # OBTAIN (1) BOLT FROM STOCK. 30 Remark * CONTROL ITEM: NO PART OMISSION OR SUBST Element UCC's CFB	TITUTION. C/S C Ins N	Key Y	Тур М	Val Y	MCT 0.00000	Freq 1 R	Plar OS N	nts : STH
Notice Number Family Model Year Revision Copy Concern Number CFB 2006.50 1 0	Study / Alternative C/N	Status D		Significant Elements	Primary CPSC 110000 ATTACH INTERMEDIATE SHAFT TO	TO COLUMN EXTENSION S	Illustrations 0	Process Number F R Z 03240 Page 1 —

Process Owner : Rozanski, S (Stanislav	w)		Phone:	1-519-6375432		Report Date: 2008/12/26	17:07	UNCONTROLLED DOCUMENT	
CFP C/S Part/Description C W710820 S439 NC00 BOLT M10X35 HF ADH 10 Ele # HANDSTART (1) BOLT THRU YOKE. 40 Remark	Status 110401 000 C	Side Quantity	UOM	Side Quantity 1.00	UOM	C/S Part/Description		Status Side Quantity UC	M Side Quantity UOM
Element UCC's CFB CFP	C/S N	Ins N	Key Y	Тур М	Val Y	MCT 0.00000	Freq 1 F	ROS N	
Ele # TIGHTEN BOLT. 50 Remark * CONTROL ITEM: TORQUE CONTROL Element UCC's	C/S C	ins N	Key Y	Тур М	Val Y	MCT 0.00000	Freq 1 F	ROS N	Plants : STH
CFB CFP C/S Tool/Description/Remark	Q		orque Nom Va			C/S Tool/Description/Remark		Quantity Torque	
C CA N12-2T RT ANGLE NUTRUNNER TORQUE SHUT OFF CMPPS00058670 HEX SOCKET {13MM A.F.}				7.20 0.00		CMPPS00058669 EXTENSION- 6 INCH LONG		1 0.00	0.00
						1			
Ele # {INSIDE CAR} REMOVE PIN FROM BOTTO 60 Remark	OM END OF STEERING O	COLUMN.						F	Plants : STH
* CONTROL ITEM: REQUIRED INSTALLATION Element UCC's CFB CFP	ON STEP C/S N	Ins N	Key Y	Тур М	Val Y	MCT 0.00000	Freq 1 F	ROS N	
Ele # DISCARD PIN								F	Plants : STH
70 Remark Element UCC's CFB CFP	C/S N	Ins N	Key N	Тур М	Val Y	мст	Freq 1 F	ROS N	
No Secure Templates associated with Tools of this Prod	cess								
Revision Log Date Description / Addenda 2007/02/14 12:06 Part Added to the Element W710820 S439 NC00 110	401 0 NC00 E 11830558 2	20						C	urrent Ele # Previous Ele # 30
Revision Log Comments Date Recorded by 2007/05/11 18:09 OPS\$GSOP PT-3 TOOL	ING CONVERSION: REA	SSIGNED PROCE	SS OWNER FRO	DM PREVIOUS REVIS	SION				
	T								
Notice Number	1	Station		Critical	Significant	Primary CPSC 110000		Illustrations 0	

ı	Notice Number	Station	Critical Elements	Significant	Primary CPSC	110000	Illustrations	0	Process Number
	Family Model Year Revision Copy Concern Nun CFB 2006.50 1 0	mber Study / Alternative C/N Status D	Y	N	ATTACH INTERMEDIA	ATE SHAFT TO COLUMN	EXTENSION SHAFT		F R Z 03240

Process Owner : Messervey, B. C. (Brandon)	Phone: 1-519-6	-6375405	Report Date: 2008/12/30 02:25 UNCONTROLLED DOCUMENT	
ATTACH INTERMEDIATE SHAFT TO COLUMN EXTENSION SHAFT				
Type Status / Date Causal Code Earliest In Date N A 2007/02/15 PC 2007/05/01	Latest Out Date		L/S Ind. PFMEA L	
Reference Manuals F AC-110401-01				
Process CPSC's Primary Code ALL Description Y 110000 STEERING SYSTEM N 110401 STEERING COLUMN N 110700 RESERVED N 110701 RESERVED N 110702 RESERVED N 110703 RESERVED N 110704 RESERVED			Responsible PMT's PMT Program Model Year ALL Description	
Copied From CFB 2006.50 F R Z 3240 Varianced Against CFB 2006.50 F R Z 3240 Replaces CFB 2006.50 F R Z 3240 Replaced By	Revision Copy 1 0 1 0 1 0	by Concern Number	Study / Alternative C/N	
	taff Assigned ALL hassis	Eff	ectivity Type Eff In Date Eff Out Date J 2007/05/01	
OPERATION HAS FAILED. REF: D. HETTEL OUTLOOK MESSAGE DATED 6/09/04. 2006 UPDATE FASTENER FOR HEX CHROME CHANGE - BGJORGJE	OUND AN ALARM (THAT C	CAN BE RESET BUT NOT BY-I	PASSED BY THE PRODUCTION OPERATORS) AND WILL ACTIVATE A RED FLASHING LIGHT (LARGE	
Ele # PULL INTERMEDIATE SHAFT TO EXTEND. 10 Remark	Кеу Ү Тур	M Val Y	Plan MCT 0.00000 Freq 1 ROS N	ts : STH
EIe # INSERT INTERMEDIATE SHAFT INTO COLUMN EXTENSION SHAFT UNIVERSA 20 Remark	IL YOKE {PROTRUDING T	THRU DASH}.	Plan	ts : STH
* CONTROL ITEM: INSTALL AS SHOWN PLACE REACTION PLAN STICKER IN PROPER PLACE IF THIS PROCESS CANNOT BE COMPLETED C/S N Ins N Element UCC's CFB CFP CVC	Кеу Ү Тур	M Val Y	MCT 0.00000 Freq 1 ROS N	
Ele # OBTAIN (1) BOLT FROM STOCK. 30 Remark * CONTROL ITEM: NO PART OMISSION OR SUBSTITUTION. C/S C Ins N	Key Y Typ	o M Val Y		ts : STH
Notice Number Station		Elements Elements	Primary CPSC 110000 Illustrations 0	Process Number
Family Model Year Revision Copy Concern Number Study / Alternative C/N CFB 2008.00 1 0	Status A	Y N	ATTACH INTERMEDIATE SHAFT TO COLUMN EXTENSION SHAFT	F R Z 03240

Process Owner : Messervey, B. C. (Brandon)				Phone	: 1-51	9-6375405			R	eport Date:	2008/12/30 02:25		UNC	ONTROL	LED DOCUMEN	NT			
Element UCC's CFB CFP CVC																			
C/S Part/Description C W710820 S439 NC00 1104 BOLT M10X35 HF ADH 10		tatus Side	e Quantity	UOM	Side	Quantity 1.00	UOM		C/S Part/Des	scription				Status	Side Quantity	, UOM	Side	Quantity	UOM
Ele # HANDSTART (1) BOLT THRU YOKE. 40 Remark																Plants	: STH		
Element UCC's CFB CFP CVC	C/S	N In	s N	Key	Y Ту	р М	Val	Y	МСТ	0.00000	Freq	1	ROS	N					
Ele # TIGHTEN BOLT. 50 Remark																Plants	: STH		
* CONTROL ITEM: TORQUE CONTROL Element UCC's CFB CFP CVC	C/S	C In	s N	Key	Y Ту	р М	Val	Υ	мст	0.00000	Freq	1	ROS	N					
C/S Tool/Description/Remark 4H13M/22H2/2B57 SKT,1/2SQDR,13MM 6PT,57.1MM OAL STORES F1778 SOCKET EXTENSION BAR-1/2" SQ.DR., 6" OAL		Quantit 1		orque Nor 0.00	n Var 0.00	Minimur	m		C CA N12		mark INER TORQUE SH	UT OFF		Qu	antity 1	Forque Nom 47.50	Var 7.20	Minimum	
le # {INSIDE CAR} REMOVE PIN FROM BOTTOM EN	D OF STEEF	RING COLUI	/IN. {CFB/C	CFP}												Plants	: STH		
* CONTROL ITEM: REQUIRED INSTALLATION ST Element UCC's CFB CFP		N i n	s N	Key	Y Ту	р М	Val	Y	мст	0.00000	Freq	1	ROS	N					
cle # DISCARD PIN {CFB/CFP} 0 Remark																Plants	: STH		
Element UCC's CFBCFP	C/S	N i n	s N	Key	N Ty	р М	Val	Y	MCT		Freq	1	ROS	N					
Ele # {INSIDE CAR} REMOVE-AND-DISCARD RESTRIC Remark * CONTROL ITEM: REQUIRED INSTALLATION ST		FROM	ВОТТОМ Е	END OF ST	FEERING COL	UMN. {CVC	; }									Plants	: STH		
Element UCC's		N In	s N	Key	N Ty	р М	Val	Υ	мст		Freq	1	ROS	N					
tice Number		Sta	ion			Critica — Eleme	al Signi		Primary C	PSC	110000			Illustrati	ons	0	- Process	s Number	
amily Model Year Revision Copy Concern Number FB 2008.00 1 0	Study / A	Alternative	C/N	I Status A	S	Y			ATTACHI	NTERMEDIAT	E SHAFT TO COLU	JMN EXTENSI	ON SHAF	Т			F F	R Z 0	

Process Owner : Messervey, B. C. (Brandon) Phone: 1-519-6375405 Report Date: 2008/12/30 02:25 UNCONTROLLED DOCUMENT

Element UCC's
C/VC-------No Secure Templates associated with Tools of this Process

Revision Log
Date Description / Addenda
Current Ele # Previous Ele #
2008/02/20 13:20 GC Process Owner Revised, Prior Owner Was

2008/08/06 10:07

2008/08/15 13:53

GC Process Owner Revised, Prior Owner Was

GC Process Owner Revised, Prior Owner Was

SROZANSK

JMCALPI1

Notice Number Station Critical Significant Primary CPSC 110000 Illustrations Process Number Elements Elements Family Model Year Revision Copy Concern Number Study / Alternative C/N Status ATTACH INTERMEDIATE SHAFT TO COLUMN EXTENSION SHAFT CFB 2008.00 0

PE12-025 FORD 11/9/2012 APPENDIX K Process Number FRZ 06002

Process Owner : Moulder, J. P. (Jack)	Phone: 1-519-	9-6375057	Report Date: 2007/08/03 17:02	UNCONTROLLED DOCUMENT
CHECK INTERMEDIATE SHAFT FOR SECURITY				
Type Status / Date Causal Code Earliest In Date Q D 2007/05/01 PC 2002/06/19	Latest Out Date 2007/05/01		L/S Ind. PFMEA L	
Process CPSC's Primary Code Description Y 110000 STEERING SYSTEM N 110700 Four-Wheel Steering Actuator & Actuator Control Subsystem N 110701 Auxiliary Steering Actuator N 110702 Sensors N 110703 Logic Module N 110704 Motor Drive Module			Responsible PMT's PMT Program Model Year Description	
Copied From CFB 2003.00 F R Z 6002 Varianced Against CFB 2003.00 F R Z 6002 Replaces CFB 2003.00 F R Z 6002 Replaced By CFB 2008.00 F R Z 6002	Revision Cop 1 0 1 0 1 0 1 0 1 0	py Concern Number	Study / Alternative C/N	
	Staff Assigned ALL Chassis	Effe	ectivity Type	
Remark * MCIR *				
Ele # READ NOTE 0 Remark CHECK FREQUENCY - 100% RELATES TO FMVSS 203 C/S C Ins Y Element UCC's CFB	Key N Typ	p M Val Y	MCT 0.00000 Freq 1 F	Plants : STH
EIE # VERIFY THAT INTERMEDIATE SHAFT IS SECURE 20 Remark METHOD OF CHECK: VERIFY PINCH BOLT TO STEERING GEAR IS PRESENT AND SECURE. VERIFY INTERMEDIATE SHAFT TO COLUMN BOLT AND NUT ARE PROPERLY INSTALLED AND SECURE. C/S C Ins Y	Key N Typ	p M Val Y	MCT 0.00000 Freq 1 F	Plants : STH
Element UCC's CFB CFP				
Ele # VERIFY THAT COLUMN EXTENSION SHAFT TO COLUMN BOLT IS SECURE 21 Remark CRITICAL C/S C Ins Y Element UCC's CFB CFP	Key N Typ	p M V al Y	MCT 0.00000 Freq 1 F	Plants : STH
22 Remark CRITICAL	D DASH STUDS		MOT 00000	Plants : STH
C/S C Ins Y	Key N Typ	p M Val Y	MCT 0.00000 Freq 1 F	ROS N
Notice Number Station		Critical Significant Elements Elements	Primary CPSC 110000	Illustrations 0 Process Number
Family Model Year Revision Copy Concern Number Study / Alternative C/CFB 2003.00 2 0	/N Status D		CHECK INTERMEDIATE SHAFT FOR SECURITY	F R Z 06002

rocess Owner :	Moulder, J. P. (Jack)					Phone	:	1-519-63	375057			Re	port Date:	2007/08/03 17:02	UNCONTROLLED DOCUMENT		
Element UCC's CFB CFP Ele # VERIFY THAT 23 Remark CRITICAL Element UCC's CFB CFP	COLUMN RESTRICTOR TOOL (ANT	TI-ROTAT			FROM L	OWER E		STEERING Typ		Val	N		T BE DONE	AFTER COLUMN INSTAL		Plants : STH	
	OR {QLS} POSITIVE BUY OFF	C/S	С	Ins	Y	Key	N	Тур	M	Val	Y	мст	0.00000	Freq 1	ROS N	Plants : STH	
005/01/03 20:46 G	Description / Addenda 3C Process Owner Revised, Prior Own (THOMSO2	was a second of the second of														Current Ele #	Previous Ele #

Notice Number	Station	Critical Significant Primary CPSC 110000 Elements Elements	Illustrations 0	Process Number
Family Model Year Revision Copy Concern Nur CFB 2003.00 2 0	nber Study / Alternative C/N Status	Y N CHECK INTERMEDIATE SHAFT FOR SECURITY		F R Z 06002

Process Owner : Moulder, J. P. (Jack)	Phone: 1-	-519-6375057		Report Date:	2007/02/16 05:09	UNCONTROLLED DOCUMENT	
CHECK INTERMEDIATE SHAFT FOR SECURITY							
Type Status / Date Causal Code Earliest In Date Q C 2002/06/19 PC 2002/06/19	Latest Out Date 2007/05/01			L/S Ind. PFME	A		
Process CPSC's Primary Code Description Y 110000 STEERING SYSTEM N 110700 Four-Wheel Steering Actuator & Actuator Control Sul N 110701 Auxiliary Steering Actuator N 110702 Sensors N 110703 Logic Module N 110704 Motor Drive Module	bsystem			Responsible PM PMT Program	MT'S Model Year Description		
Copied From CFB 2003.00 F R	Z 6002 1 Z 6002 1 Z 6002 1	Copy Concerr 0 0 0 0	n Number	Study / Alternative	C/N		
Associated Plants STH ST. THOMAS ASSEMBLY	Staff Assigned ALL Chassis		Ef	, ,,	f In Date Eff Out Date 02/06/19 2007/05/01		
Remark * MCIR *							
Ele # READ NOTE 0 Remark CHECK FREQUENCY - 100% RELATES TO FMVSS 203 C/S C Element UCC's CFB CFP	Ins Y Key N	Тур М	Val Y	MCT 0.00000	Freq 1	Plants ROS N	: STH
Ele # VERIFY THAT INTERMEDIATE SHAFT IS SECURE 20 Remark METHOD OF CHECK: VERIFY PINCH BOLT TO STEERING GEAR IS PRESENT AND SECUR VERIFY INTERMEDIATE SHAFT TO COLUMN BOLT AND NUT ARE PROPERLY INSTALLED AND SECURE. C/S C Element UCC'S CFB		Тур М	V al Y	MCT 0.00000	Freq 1	Plants ROS N	: STH
Ele # VERIFY THAT COLUMN EXTENSION SHAFT TO COLUMN BOLT IS 21 Remark CRITICAL C/S C Element UCC'S CFB CFP	SECURE Ins Y Key N	Тур М	Val Y	MCT 0.00000	Freq 1	Plants ROS N	: STH
Ele # VERIFY THAT COLUMN {BOOT AND RETAINER} NUTS ARE 22 Remark CRITICAL C/S C Element UCC'S CFB	SECURED TO DASH STUDS	Тур М	Val Y	MCT 0.00000	Freq 1	Plants ROS N	: STH
Notice Number	Station	Critical	Significant Elements	Primary CPSC	110000	Illustrations 0	Process Number

N	otice Number				Station		Critical	Significant	Primary CPSC	110000	Illustrations	0	
- 1	amily Model Year FB 2003.00	Revisior 2	n Copy Concern Numl 0	per Study / Alterna	tive C/N	Status C	Y	Elements N	CHECK INTERMEDIAT	E SHAFT FOR SECURITY			F R Z 06002

Process	Owner		: Mou	ılder, J. P. (Ja	ck)					Phone	:	1-519-63	75057			Re	port Date:	2007/02/16 05	:09		UNC	ONTROLLED DOCUMENT			
Ele #	VERIF Rema		COLUMN	RESTRICTOR	TOOL (ANTI	I-ROTATE	S REMO	OVED F	ROM LO	WER EN	D OF ST	EERING C	OLUMN		THIS	S MUST BE	DONE AFTE	ER COLUMN IN	ISTALLA	TION IS CO	OMPLETE		Plants	: STH	
23	CRITI					0/0	_	laa	V	V	N	Tom		Val	N	мот	0.00000		F		DOC	N			
	ment UCC					C/S	С	Ins	Y	Key	N	Тур	М	Val	N	MCT	0.00000	ļ	Freq	ı	ROS	N			
	B P																								
Ele # 25	STAN Rema		OR (QLS)	POSITIVE BU	Y OFF																		Plants	: STH	
		DATOR	,			C/S	С	Ins	Υ	Key	N	Тур	М	Val	Υ	MCT	0.00000		Freq	1	ROS	N			
	ment UCC								•	,		.,,,							,						
CFI	P																								
Revision	Log																								
Date 2006/05/0	3 18:22		GC Process	/ Addenda Owner Revise	ed, Prior Own	ner Was																	Current E	le#	Previous Ele #
			DKOSTIC																						
[

Critical Significant Elements Elements

C/N Status

Primary CPSC

110000

CHECK INTERMEDIATE SHAFT FOR SECURITY

Illustrations

Notice Number

Family Model Year Revision Copy Concern Number Study / Alternative CFB 2003.00 2 0

Process Number

P 0		Dhana 4.510.1	0075400	Daniel Bate	LINIOONTDOLL ED DOOUWENT	
Process Owner : Rozanski, S (Stanislaw)		Phone: 1-519-6	6375432	Report Date: 2008/12/26 17:07	UNCONTROLLED DOCUMENT	
CHECK INTERMEDIATE SHAFT FOR SECURITY						
	Earliest In Date 2002/06/19	Latest Out Date 2007/05/01		L/S Ind. PFMEA L		
Process CPSC's Primary Code ALL Description Y 110000 STEERING SYSTEM N 110700 RESERVED N 110701 RESERVED N 110702 RESERVED N 110703 RESERVED N 110704 RESERVED				Responsible PMT's PMT Program Model Year	ALL Description	
Copied From CFB 2003.00 Varianced Against CFB 2003.00 Replaces CFB 2003.00 Replaced By CFB 2008.00	F R Z 6002 F R Z 6002 F R Z 6002	Revision Copy 1 0 1 0 1 0 1 0	y Concern Number	Study / Alternative C/I	N	
Associated Plants STH ST. THOMAS ASSEMBLY		aff Assigned ALL assis	Effe	F 2002/06/19	Eff Out Date 2007/05/01	
Remark * MCIR *						
Ele # READ NOTE 0 Remark CHECK FREQUENCY - 100% RELATES TO FM Element UCC's CFB CFP	IVSS 203 C/S C Ins Y	Key N Typ	M Val Y	MCT 0.00000 Freq		: STH
Ele # VERIFY THAT INTERMEDIATE SHAFT IS SECU Remark METHOD OF CHECK: VERIFY PINCH BOLT TO STEERING GEAR IS P VERIFY INTERMEDIATE SHAFT TO COLUMN BI PROPERLY INSTALLED AND SECURE. Element UCC'S	PRESENT AND SECURE.	Key N Typ	M Val Y	MCT 0.00000 Freq		: STH
CFP						
Ele # VERIFY THAT COLUMN EXTENSION SHAFT TO 21 Remark CRITICAL Element UCC's CFB	O COLUMN BOLT IS SECURE C/S C Ins Y	Key N Typ	M Val Y	MCT 0.00000 Freq	Plants 1 ROS N	: STH
Ele # VERIFY THAT COLUMN (BOOT AND RETAINER 22 Remark CRITICAL	R} NUTS ARE SECURED TO D		M Val Y	MCT 0.00000 Freq	Plants 1 ROS N	: STH
		,,,,,	1	1104		
Notice Number	Station		Critical Significant Elements Elements	Primary CPSC 110000	Illustrations 0	Process Number
Family Model Year Revision Copy Concern Number CFB 2003.00 2 0	Study / Alternative C/N	Status D	Y N	CHECK INTERMEDIATE SHAFT FOR SECU	RITY	F R Z 06002

Process	Owner : Rozanski, S	S (Stanislaw)				Phone	:	1-519-63	375432			R	eport Date:	2008/12/26 17:07		UNCONTROLLED DOCUMEN	Т	
CFE	ment UCC's 3 VERIFY THAT COLUMN RESTR	IICTOR TOOL {ANTI-ROTA	TE} IS RE	EMOVED	FROM	LOWER	END OF	STEERING	G COLUMI	N		THIS MU	ST BE DONE	AFTER COLUMN INS	STALLATION	IS COMPLETE	Plants	: STH
CFE	Remark CRITICAL ment UCC's 3	C/S	С	Ins	Υ	Key	N	Тур	М	Val	N	МСТ	0.00000	Freq	1	ROS N		
CFF	D																	
Ele # 25	STAMP MCIR OR {QLS} POSITI Remark MANDATORY	VE BUY OFF	С	Ins	V	Key	N	Тур	М	Val	Y	мст	0.00000	Freq	1	ROS N	Plants	: STH
CFE	ment UCC's 3	US		IIIS	'	Key	IN	Тур	IVI	Vai		WCI	0.00000	Fleq		NOS IN		
No Secur	e Templates associated with Tools	of this Process																

Notice Number	Station	Critical Significant	Primary CPSC 110000	Illustrations	0	Process Number
Family Model Year Revision Copy Concern Number Stud	dy / Alternative C/N Status D	Y N	CHECK INTERMEDIATE SHAFT FOR SECURITY			F R Z 06002
		1	ı			Page 2 —(Last)

Process O	wner :	Messervey, B. C. (Br	randon)			Phone:	1-519-6	375405		Repo	ort Date: 200	08/12/30 02:26		UNCONTROLLED DOCUME	NT	
CHECK IN	TERMEDIATE SHA	FT FOR SECURITY														
	Status / Date C 2007/02/15	Causal Code PC	Earliest In Da 2007/05/01	ate		Latest Ou	t Date			L/S Ind. L	PFMEA					
Process Co Primary Y N N N N	Code 110000 110700 110701 110702 110703 110704	ALL Description STEERING SYSTEM RESERVED RESERVED RESERVED RESERVED RESERVED									onsible PMT's Program	Model Year	ALL Description	on		
Copied F Variance Replaces Replaced	d Against	CFB 2 CFB 2	2006.50 2003.00	Process Num F R Z 60 F R Z 60 F R Z 60	002 002	Revision 0 2 2	n Cop y 1 0 0	Conce	rn Number	Study / A	lternative	C/I	N			
Associated STH S	I Plants T. THOMAS ASSEM	MBLY				Staff Assigne Chassis	d ALL			Effectivity Type	Eff In I 2007/0		Eff Out Date			
Remark * MCIR *																
CFB- CFP-	READ NOTE Remark CHECK FREQUE ent UCC's	NCY - 100% RELATES	S TO FMVSS 203 C/S	C In:	s Y	Key	N Тур	М	Val	Y MCT	0.00000	Freq	1 R	ios n	Plants	: STH
CFB-	Remark METHOD OF CH VERIFY PINCH E VERIFY INTERM	TERMEDIATE SHAFT IS ECK: IOLT TO STEERING GE. EDIATE SHAFT TO COL ALLED AND SECURE.	AR IS PRESENT AN		s Y	Key I	N Тур	М	Val	Y MCT	0.0000	Freq	1 R	10S N	Plants	: STH
CFB- CFP-	VERIFY THAT COREMAN CRITICAL ent UCC's	DLUMN EXTENSION SH	AFT TO COLUMN I		SECURE s Y	Key	N Typ	М	Val	Y MCT	0.00000	Freq	1 R	00S N	Plants	: STH
Nation N				Ctat	•			lo	0:	nt Drimon CDC		10000		III at a the contract of	•	1

Notice Number	Station	Critical Significant Elements Elements	Primary CPSC 110000	Illustrations 0	Process Number
Family Model Year Revision Copy Concern Nur CFB 2008.00 1 0	mber Study / Alternative C/N Status C	Y N	CHECK INTERMEDIATE SHAFT FOR SECURITY		F R Z 06002

Process Ow	ner	: Messervey, B	C. (Brandon)					Phone	:	1-519-63	75405			Re	eport Date:	2008/12/30 02:26	6		UNC	ONTROLLED DOC	UMENT		
Ele # 22	VERIFY THA Remark CRITICAL	AT COLUMN (BOOT A	ND RETAINE	R} NUTS AR	E	SECUF	RED TO	DASH ST	UDS												Plants	: STH	
CFB CFP	nt UCC's			C/S	С	Ins	Υ	Key	N	Тур	M	Val	Y	MCT	0.00000	Fre	eq	1	ROS	N			
Ele # 23 Eleme	VERIFY THA Remark CRITICAL ont UCC's	AT COLUMN RESTRIC	TOR TOOL (ANTI-ROTAT C/S	E} IS R	EMOVED Ins		LOWER E		STEERING Typ	G COLUMN	Val	Υ	{THIS MU	0.00000	E AFTER COLUMN	N INST		N IS COMP		Plants	: STH	
CFP																							
CFB	Remark MANDATOF nt UCC's	R OR {QLS} POSITIVI	BUY OFF	C/S	С	Ins	Υ	Key	N	Тур	М	Val	Υ	MCT	0.00000	Fre	eq p	1	ROS	N	Plants	: STH	
CVC C/S To	ol/Descriptio RESF21038	n/Remark			C	Quantity 1	To	orque Noi	m Va	ar N	<i>l</i> linimum			C/S Tool/D	escription/Re	emark				Quantity	Torque Nom	/ar	Minimum
No Secure 1	remplates as	sociated with Tools o	this Process	3																			
Revision Lo Date 2008/02/20 1 2008/08/06 1 2008/08/15 1	13:20	Description / Adden GC Process Owner R DHSIEH1 GC Process Owner R SROZANSK GC Process Owner R JMCALPI1	evised, Prior C evised, Prior C	Owner Was																	Current Ele	#	Previous Ele #
Notice Num	ber					Station	1				Critical Elements	Signific	cant	Primary C	PSC	110000				Illustrations	0	Process	Number

Ν

CHECK INTERMEDIATE SHAFT FOR SECURITY

C/N Status C

Family Model Year Revision Copy Concern Number Study / Alternative

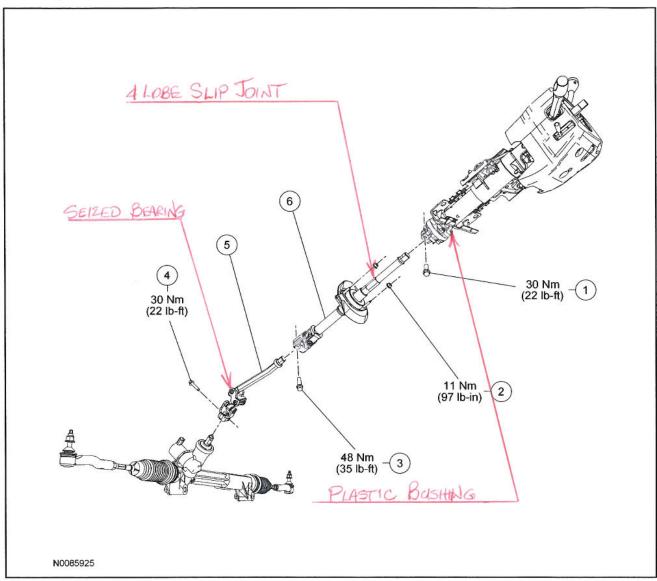
1 0

CFB 2008.00

Process Number
F R Z 06002
Page 2 —(Last)

PE12-025 FORD 11/9/2012 APPENDIX L

Steering Column Shaft



Item	Part Number	Description
1	W710820	Upper steering column shaft-to-steering column bolt
2	N806385	Upper steering column shaft bearing nut (2 required)
3	W710820	Upper steering column shaft-to-lower intermediate shaft bolt
4	W710821	Lower steering column shaft-to-steering gear bolt
5	3B676B	Lower steering column shaft
6	3B676A	Upper steering column shaft

Removal and Installation

- 1. Depower the Supplemental Restraint System (SRS). For additional information, refer to Section 501-20B.
- 2 NOTE

Use a steering wheel holding device (such as Hunter® 28-75-1 or equivalent).

Using a suitable holding device, hold the steering wheel in the straight-ahead position.



DEPARTMENT OF GENERAL SERVICES

Isiah Leggett
County Executive

David E. Dise Director

PE12-025 000421

MEMORANDUM

September 14, 2012

TO:

Katrina Murphy, Ford Motor Company

Eric Kalis, Ford Motor Company Robert Cooney, Ford Motor Company

FROM:

Michael Atkinson, Equipment Services Coordinator

Division of Fleet Management Services

SUBJECT:

Receipt of Steering Shafts for Montgomery County Government owned

vehicles 091230 and 050545

This memo acknowledges the transfer of said parts from the county to Ford Motor Company regarding the following vehicles:

 County ID
 VIN

 091230
 2FAHP71V79X136597

 050545
 2FAFP71W45X102692

Regards,

Michael Atkinson

Equipment Services Coordinator

Division of Fleet Management Services

Subject: Review Montgomery Co. Trip and overview of system function

Location: ESE FPS 500 EAST (12)

Start: Mon 9/17/2012 12:00 PM **End:** Mon 9/17/2012 1:00 PM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Prescott, Amanda (A.B.)

Required Attendees: Miller, Todd (T.R.); Cooney, Robert (R.J.); Perri, Ron (R.J.); Kalis, Eric (E.L.); Fronckowiak,

Todd (T.M.); Ott, David (D.J.); Matthews, Steve (S.D.); Freiburger, Randy (R.M.);

Christensen, Kris (K.S.)

Optional Attendees: Nevi, Raymond (R.A.)

Review photos/parts from Friday's review at Montgomery Co. – Eric and Rob General overview of system function – Todd M.

2005 EN/FN Steering Shaft Issue

Global 8 D Report No: Report Date: June 8, 2004

D1 - Establish the Team

Robert Cooney SUV/BoF Engineer, Tad Ohtake, SUV/BoF Chassis OPD D&R Supervisor, Matt Howard ord SUV/BoF Steering Manager, Stephen Skillman Delphi Column Engineer, Joe Kruska Delphi Column Supervisor, Henry Hutter, Delphi Plant 12 Manager

D2 - Describe the Problem

Warranty claim 239816 with customer comments stating vehicle has no steering. Dealer Technician reports that the steering column shaft is broken and column is replaced and road tests ok.

D3 - Develop Interim Containment Action

Delphi Plant 12 to 100% Inspect lower shaft/yoke press on loads. (start 1/21/05)

D4 - Root Cause Detail

Need Details from Delphi

D5 - Define and Verify Permanent Corrective Actions

Need Details from Delphi

D6 - Implement and Validate Permanent Corrective Actions

Need Details from Delphi

D7 - Prevent Recurrence

Need Details from Delphi

D8 - Recognize Team and Individual Contributions