RCM FAULT REPORTING USING DTCS AND BIT-MAPPED PARAMETER IDENTIFIERS (PIDS)— SERVICE TIPS

TSB 07-12-3

FORD:
2001-2007 Crown Victoria
2002-2007 Taurus
2004-2007 Focus
2005-2007 Five Hundred, Freestyle, Mustang
2006-2007 Fusion
2001-2003 Explorer Sport
2001-2007 Explorer Sport Trac
2002-2003 Windstar
2002-2007 Explorer
2003-2007 Expedition
2004-2007 F-150, Freestar
2005-2007 Escape Hybrid, Escape
2007 E-Series

LINCOLN:
2001-2007 Town Car
2003-2006 Lincoln LS
2006 Zephyr
2007 MKZ
2003-2005 Aviator
2003-2007 Navigator
2006-2007 Mark LT

MERCURY:
2001-2007 Grand Marquis
2002-2005 Sable
2005-2007 Montego
2006-2007 Milan
2002-2007 Mountaineer
2004-2007 Monterey
2005-2007 Mariner
2006-2007 Mariner Hybrid

This article supersedes TSB **07-7-8** to update the vehicle application.

ISSUE

Various 2001-2007 vehicles are equipped with a restraints control module (RCM) that report diagnostic trouble codes (DTCs) which provide general fault information. These DTCs require accessing the associated bit-mapped PIDs (fault PIDs) to identify the specific fault. Most 2001-2006 Workshop Manuals (WSM) were written using New Generation STAR Tester (NGS) terminology and navigation which does not translate well when using Integrated Diagnostic System (IDS), Portable Diagnostic Software (PDS) or Worldwide Diagnostic System (WDS).

ACTION

Refer to the Service Tips to assist with navigation of both the WSM and the scan tool being used.

SERVICE TIPS

DTCs And Associated Fault PIDs Description

Many of the continuous memory and on-demand DTCs that can be present in the RCM provide general fault information and require accessing the associated bit-mapped PIDs (fault PIDs) to identify the specific concern. DTCs that use fault PIDs are conceptually different from conventional DTCs.

Conventional DTCs identify a specific concern for a given component and point to a particular diagnostic path. In the diagnostic path, PIDs are sometimes used to determine the root cause.

DTCs that use fault PIDs do not identify the specific concern. The DTC identifies the component(s) or type of component(s) in which the concern exists. The next level, fault PIDs, identifies the specific device and fault condition. Fault PIDs are available for both on-demand (active) and continuous memory (historic or intermittent) DTCs. A scan tool must be used to view the DTCs and their fault PIDs. The table lists those DTCs that are supported by associated fault PIDs. (Figures 1-5)

VIEWING FAULT PIDS USING SCAN TOOLS

WSM Direction to FLAG DTC/View Fault PIDs

The information in viewing fault PIDs in the WSM has evolved over the years as the scan tools have transitioned. Examples of how the WSM may direct you to view fault PIDs are:

- FLAG DTC XXXXX/Record All Flagged Faults (2001-2006 WSMs)
- View and Record DTC XXXXX Fault PIDs (2007 WSM)
- DataLogger/View and Record DTC XXXXX Fault Pids (2008 and future WSMs)

In each instance the direction is the same (view fault PIDs to identify the specific component and fault condition) but how they are accessed by the scan tools, as well as the scan tool terminology, will vary.

FLAG the DTC - View the Fault PIDs

For example, the “Flag” DTC feature is specific to NGS/NGS+. When using IDS/PDS it is necessary to view the fault PIDs from DataLogger.

Using IDS/PDS

NOTE
WHEN USING IDS/PDS, MOVE THE CURSOR OVER THE PID OR SELECT THE PID TO DISPLAY ITS DEFINITION AT THE BOTTOM OF THE SCREEN. WHEN USING PDS, HIGHLIGHT OR MOVE THE STYLUS OVER THE PID TO SEE THE PID DEFINITION.

1. Perform a self test of the RCM and/or OCS module to retrieve on-demand and continuous memory DTCs.
2. To view the fault PIDs associated with an on-demand DTC:
   a. Toolbox
   b. DataLogger
   c. Modules
   d. RCM
3. Monitor all “_OD” PID(s) matching the DTC present; follow diagnostic procedure for the PID that reads “FAULT”.
   - For example, a B2296 fault is present. In DataLogger the fault PID 2296_18_OD PID reads “FAULT” indicating a front internal crash sensor fault.
4. To view the fault PIDs associated with a continuous memory DTC:
   a. Toolbox
   b. DataLogger
   c. Modules
   d. RCM
5. Monitor all “_CM” PID(s) matching the DTC present; follow diagnostic procedure for the PID that reads “FAULT”.
   - For example, a B2296 fault is present. In DataLogger the fault PID 2296_18_CM PID reads “FAULT” indicating a front internal crash sensor fault.

IDS/PDS Fault PID Naming Conventions

The fault PIDs as displayed on IDS/PDS uses a strategy associating it with the DTC. For example, the fault PIDs 2296_18_OD and 2296_18_CM break down as follows:

- 2296 - The DTC number minus the “B” (body) or “C” (chassis) designation.
- 18 - An identifier used to distinguish between each of the fault PIDs associated with the DTC.
- OD - Identifies the fault PID as an on-demand fault.
- CM - Identifies the fault PID as a continuous memory (intermittent) fault.

NOTE
THE DTCS AND FAULT PIDS SUPPORTED BY A VEHICLE WILL VARY DEPENDING ON VEHICLE EQUIPMENT.

Table lists each of the fault PIDs as displayed on IDS/PDS and their description. (Figures 1-5)

WARRANTY STATUS: Information Only

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B1085	Restraint System - Seat Belt Load Limiter Status	Driver adaptive load limiting retractor; passenger adaptive load limiting retractor	1085_24_OD or CM	Seat Belt Load Limiter Front Passenger Circuit Resist Low on Squib
			1085_25_OD or CM	Seat Belt Load Limiter Front Passenger Open
			1085_26_OD or CM	Seat Belt Load Limiter Front Passenger Short to Battery
			1085_27_OD or CM	Seat Belt Load Limiter Front Passenger Short to Ground
			1085_28_OD or CM	Seat Belt Load Limiter Driver Circuit Resist Low on Squib
			1085_29_OD or CM	Seat Belt Load Limiter Driver Open
			1085_30_OD or CM	Seat Belt Load Limiter Driver Short to Battery
			1085_31_OD or CM	Seat Belt Load Limiter Driver Short to Ground

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B1231	Event Threshold Exceeded	RCM	1231_29	Rollover Threshold Exceeded
			1231_30	Side Acceleration Threshold Exceeded
			1231_31	Frontal Acceleration Threshold Exceeded

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B1342	ECU (RCM) Is Faulted	RCM	1342_22_OD or CM	Calibration Fault
			1342_23_OD or CM	Rail ASIC Fault
	ECU (OCS Module) Is Faulted	OCS module (rail-type system); OCS sensor (rail-type system)	1342_24_OD or CM	Deployment Counter Maximum Exceeded
			1342_25_OD or CM	Internal Safing Fault
			1342_26_OD or CM	Central Sensor Fault
			1342_27_OD or CM	Memory Fault
			1342_28_OD or CM	Microcontroller Internal Fault
			1342_29_OD or CM	Satellite ASIC Fault
			1342_30_OD or CM	Power Supply Internal Fault
			1342_31_OD or CM	Deployable Circuit Internal Fault

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B2290	Occupant Classification System Fault (reported by OCS module)	OCS sensor (rail-type and weight sensor bolt-type systems); OCS module (rail-type and weight sensor bolt-type systems)	2290_0_OD or CM	Passenger Seat OCS Sensor No. 4 Circuit Short to Battery
			2290_1_OD or CM	Passenger Seat OCS Sensor No. 4 Circuit Short to Ground
			2290_10_OD or CM	Passenger Seat OCS Sensor No. 2 Communications Fault/Open
			2290_11_OD or CM	Passenger Seat OCS Sensor No. 2 Internal Fault
			2290_12_OD or CM	Passenger Seat OCS Sensor No. 1 Circuit Short to Battery
			2290_13_OD or CM	Passenger Seat OCS Sensor No. 1 Circuit Short to Ground
			2290_14_OD or CM	Passenger Seat OCS Sensor No. 1 Communications Fault/Open
			2290_15_OD or CM	Passenger Seat OCS Sensor No. 1 Internal Fault
			2290_2_OD or CM	Passenger Seat OCS Sensor No. 4 Communications Fault/Open
			2290_3_OD or CM	Passenger Seat OCS Sensor No. 4 Internal Fault
			2290_4_OD or CM	Passenger Seat OCS Sensor No. 3 Circuit Short to Battery
			2290_5_OD or CM	Passenger Seat OCS Sensor No. 3 Circuit Short to Ground
			2290_6_OD or CM	Passenger Seat OCS Sensor No. 3 Communications Fault/Open
			2290_7_OD or CM	Passenger Seat OCS Sensor No. 3 Internal Fault
			2290_8_OD or CM	Passenger Seat OCS Sensor No. 2 Circuit Short to Battery
			2290_9_OD or CM	Passenger Seat OCS Sensor No. 2 Circuit Short to Ground
	Occupant Classification System Fault (reported by RCM	Occupant Classification System (OCS) assembly (bladder-type system); RCM	2290_24_OD or CM	OCS Sensing Element Fault, Front Passenger Side
			2290_25_OD or CM	OCS Calibration Fault, Front Passenger Side
			2290_26_OD or CM	OCS Communications Fault, Front Passenger Side
			2290_27_OD or CM	Generic OCS Module Fault, Front Passenger Side
			2290_28_OD or CM	OCS Mounting Fault, Front Passenger

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Figure 1 - Article 07-12-3

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B2292	Restraint System - Seat Belt Pretensioner Fault	Driver safety belt buckle/retractor pretensioner; passenger safety belt buckle/retractor pretensioner	2292_0_OD or CM	Front Passenger Side Retractor Pretensioner Circuit Short to Ground
			2292_1_OD or CM	Front Passenger Side Retractor Pretensioner Circuit Short to Battery
			2292_12_CM	Pretensioner Circuit Resistance, Low on Squib, Row 2 Middle
			2292_13_CM	Pretensioner Circuit Short to Ground, Row 2 Middle Position
			2292_14_CM	Pretensioner Circuit Short to Battery, Row 2 Middle Position
			2292_15_CM	Pretensioner Circuit Open, Row 2 Middle Position
			2292_16_CM	Pretensioner Circuit Short to Ground, Row 2 Passenger Side
			2292_17_CM	Pretensioner Circuit Short to Battery, Row 2 Passenger Side
			2292_18_CM	Pretensioner Circuit Open, Row 2 Passenger Side
			2292_19_CM	Pretensioner Circuit Resistance, Low on Squib, Row 2 Passenger Side
			2292_2_OD or CM	Front Passenger Side Retractor Pretensioner Circuit Open
			2292_20_CM	Pretensioner Circuit Short to Ground, Row 2 Driver Side
			2292_21_CM	Pretensioner Circuit Short to Battery, Row 2 Driver Side
			2292_22_CM	Pretensioner Circuit Open, Row 2 Driver Side
			2292_23_CM	Pretensioner Circuit Resistance, Low on Squib, Row 2 Driver Side
			2292_24_OD or CM	Pretensioner Circuit Short to Ground, Front Passenger Side
			2292_26_OD or CM	Pretensioner Circuit Open, Front Passenger Side
			2292_27_OD or CM	Pretensioner Circuit Resistance Low, Front Passenger Side
			2292_28_OD or CM	Pretensioner Circuit Short to Ground, Front Driver Side
			2292_29_OD or CM	Pretensioner Circuit Short to Battery, Front Driver Side
			2292_3_OD or CM	Front Passenger Side Retractor Pretensioner Circuit Resistance Low on Squib
			2292_30_OD or CM	Pretensioner Circuit Open, Front Driver Side
			2292_31_OD or CM	Pretensioner Circuit Resistance Low, Front Driver Side
			2292_4_OD or CM	Front Driver Side Retractor Pretensioner Circuit Short to Ground
			2292_5_OD or CM	Front Driver Side Retractor Pretensioner Circuit Short to Battery
			2292_6_OD or CM	Front Driver Side Retractor Pretensioner Circuit Open
			2292_7_OD or CM	Front Driver Side Retractor Pretensioner Circuit Low Resistance on Squib

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Figure 2 - Article 07-12-3

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B2293	Restraint System - Air Bag Fault	Driver air bag module; passenger air bag module	2293_0_OD or CM	Air Bag Passenger Front Adaptive Tether Circuit Resistance Low on Squib
			2293_1_OD or CM	Air Bag Passenger Front Adaptive Tether Open
			2293_10_OD or CM	Air Bag Passenger Front Can Vent Short to Battery
			2293_11_OD or CM	Air Bag Passenger Front Can Vent Short to Ground
			2293_12_OD or CM	Air Bag Driver Front Can Vent Circuit Resistance Low on Squib
			2293_13_OD or CM	Air Bag Driver Front Can Vent Open
			2293_14_OD or CM	Air Bag Driver Front Can Vent Short to Battery
			2293_15_OD or CM	Air Bag Driver Front Can Vent Short to Ground
			2293_16_OD or CM	Air Bag Inflator Circuit Resistance Low - Loop No. 2, Front Passenger Side
			2293_17_OD or CM	Air Bag Circuit Open - Loop No. 2, Front Passenger Side
			2293_18_OD or CM	Air Bag Circuit Short to Battery - Loop No. 2, Front Passenger Side
			2293_19_OD or CM	Air Bag Circuit Short to Ground - Loop No. 2, Front Passenger Side
			2293_2_OD or CM	Air Bag Passenger Front Adaptive Tether Short to Battery
			2293_20_OD or CM	Air Bag Inflator Circuit Resistance Low - Loop No. 2, Front Driver Side
			2293_21_OD or CM	Air Bag Circuit Open - Loop No. 2, Front Driver Side
			2293_22_OD or CM	Air Bag Circuit Short to Battery - Loop No. 2, Front Driver Side
			2293_23_OD or CM	Air Bag Circuit Short to Ground - Loop No. 2, Front Driver Side
			2293_24_OD or CM	Air Bag Inflator Circuit Resistance Low - Loop No. 1, Front Passenger Side
			2293_25_OD or CM	Air Bag Circuit Open - Loop No. 1, Front Passenger Side
			2293_26_OD or CM	Air Bag Circuit Short to Battery - Loop No. 1, Front Passenger Side
			2293_27_OD or CM	Air Bag Circuit Short to Ground - Loop No. 1, Front Passenger Side
			2293_28_OD or CM	Air Bag Inflator Circuit Resistance Low - Loop No. 1, Front Driver Side
			2293_29_OD or CM	Air Bag Circuit Open - Loop No. 1, Front Driver Side
			2293_3_OD or CM	Air Bag Passenger Front Adaptive Tether Short to Ground
			2293_30_OD or CM	Air Bag Circuit Short to Battery - Loop No. 1, Front Driver Side
			2293_31_OD or CM	Air Bag Circuit Short to Ground - Loop No. 1, Front Driver Side
			2293_8_OD or CM	Air Bag Passenger Front Can Vent Circuit Resistance Low on Squib
			2293_9_OD or CM	Air Bag Passenger Front Can Vent Open

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B2294	Restraint System - Curtain Fault	Driver safety canopy/side air curtain module; passenger safety canopy/side air curtain module	2294_0_OD or CM	A-D Pillar Curtain Circuit Resistance Low on Squib - Loop No. 2, Passenger Side
			2294_1_OD or CM	A-D Pillar Curtain Circuit Open - Loop No. 2, Passenger Side
			2294_10_OD or CM	A-D Pillar Curtain Circuit Short to Ground - Loop No. 1, Passenger Side
			2294_11_OD or CM	A-D Pillar Curtain Circuit Short to Battery - Loop No. 1, Passenger Side
			2294_12_OD or CM	A-D Pillar Curtain Circuit Resistance Low on Squib - Loop No. 1, Driver Side
			2294_13_OD or CM	A-D Pillar Curtain Circuit Open - Loop No. 1, Driver Side
			2294_14_OD or CM	A-D Pillar Curtain Circuit Short to Ground - Loop No. 1, Driver Side
			2294_15_OD or CM	A-D Pillar Curtain Circuit Short to Battery - Loop No.1, Driver Side
			2294_2_OD or CM	A-D Pillar Curtain Circuit Short to Ground - Loop No. 2, Passenger Side
			2294_24_OD or CM	A-B or A-C Pillar Curtain Circuit Resistance Low, Passenger Side
			2294_25_OD or CM	A-B or A-C Pillar Curtain Circuit Open, Passenger Side
			2294_26_OD or CM	A-B or A-C Pillar Curtain Circuit Short to Ground, Passenger Side
			2294_27_OD or CM	A-B or A-C Pillar Curtain Circuit Short to Battery, Passenger Side
			2294_28_OD or CM	A-B or A-C Pillar Curtain Circuit Resistance Low, Driver Side
			2294_29_OD or CM	A-B or A-C Pillar Curtain Circuit Open, Driver Side
			2294_3_OD or CM	A-D Pillar Curtain Circuit Short to Battery - Loop No. 2, Passenger Side
			2294_30_OD or CM	A-B or A-C Pillar Curtain Circuit Short to Ground, Driver Side
			2294_31_OD or CM	A-B or A-C Pillar Curtain Circuit Short to Battery, Driver Side
			2294_4_OD or CM	A-D Pillar Curtain Circuit Resistance Low on Squib - Loop No. 2, Driver Side
			2294_5_OD or CM	A-D Pillar Curtain Circuit Open - Loop No. 2, Driver Side
			2294_6_OD or CM	A-D Pillar Curtain Circuit Short to Ground - Loop No. 2, Driver Side
			2294_7_OD or CM	A-D Pillar Curtain Circuit Short to Battery - Loop No. 2, Driver Side
			2294_8_OD or CM	A-D Pillar Curtain Circuit Resistance Low on Squib - Loop No. 1, Passenger Side
			2294_9_OD or CM	A-D Pillar Curtain Circuit Open - Loop No. 1, Passenger Side

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Figure 3 - Article 07-12-3

Figure 4 - Article 07-12-3

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B2295	Restraint System - Side Air Bag Fault	Driver seat side air bag module; passenger seat side air bag module	2295_24_OD or CM	Side Air Bag Circuit Resistance Low, Front Passenger Side
			2295_25_OD or CM	Side Air Bag Circuit Open, Front Passenger Side
			2295_26_OD or CM	Side Air Bag Circuit Short to Ground, Front passenger Side
			2295_27_OD or CM	Side Air Bag Circuit Short to Battery, Front passenger Side
			2295_28_OD or CM	Side Air Bag Circuit Resistance Low, Front Driver Side
			2295_29_OD or CM	Side Air Bag Circuit Open, Front Driver Side
			2295_30_OD or CM	Side Air Bag Circuit Short to Ground, Front Driver Side
			2295_31_OD or CM	Side Air Bag Circuit Short to Battery, Front Driver Side

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B2296	Restraint System - Impact Sensor Fault	Front impact severity sensor; driver front impact severity sensor; passenger front impact severity sensor; first row driver side impact sensor; first row passenger side impact sensor; second row driver side impact sensor; second row passenger side impact sensor	2296_10_OD or CM	Side Crash Sensor Circuit Short to Ground, Row No. 2 Driver Side
			2296_11_OD or CM	Side Crash Sensor Communication Fault, Row No. 2 Driver Side
			2296_12_OD or CM	Side Crash Sensor Circuit Short to Battery, Front Passenger Side
			2296_13_OD or CM	Side Crash Sensor Circuit Short to Ground, Front Passenger Side
			2296_14_OD or CM	Side Crash Sensor Communication Fault, Front Passenger Side
			2296_15_OD or CM	Side Crash Sensor Circuit Short to Battery, Front Driver Side
			2296_16_OD or CM	Side Crash Sensor Circuit Short to Ground, Front Driver Side
			2296_17_OD or CM	Side Crash Sensor Communication Fault, Front Driver Side
			2296_18_OD or CM	Driver/Center Front Crash Sensor Internal Fault
			2296_19_OD or CM	Driver/Center Front Crash Sensor Mount/Communication Fault
			2296_24_OD or CM	Side Crash Sensor 2 Internal Fault, Passenger Side
			2296_25_OD or CM	Side Crash Sensor Mount or Communication Fault, Row No. 2 Passenger Side
			2296_26_OD or CM	Side Crash Sensor 2 Internal Fault, Driver Side
			2296_27_OD or CM	Side Crash Sensor Mount or Communication Fault, Row No. 2 Driver Side
			2296_28_OD or CM	Side Crash Sensor Internal Fault, Front Passenger Side
			2296_29_OD or CM	Side Crash Sensor Mount or Communication Fault, Front Passenger Side
			2296_3_OD or CM	Driver/Center Front Crash Sensor Circuit Short to Battery
			2296_30_OD or CM	Side Crash Sensor Internal Fault, Front Driver Side
			2296_31_OD or CM	Side Crash Sensor Mount or Communication Fault, Front Driver Side
			2296_4_OD or CM	Driver/Center Front Crash Sensor Circuit Short to Ground
			2296_5_OD or CM	Driver/Center Front Crash Sensor Communication Fault
			2296_55_OD or CM	Passenger Front Crash Sensor Circuit Short to Battery
			2296_56_OD or CM	Passenger Front Crash Sensor Circuit Short to Ground
			2296_57_OD or CM	Passenger Front Crash Sensor Communication Fault
			2296_59_OD or CM	Passenger Front Crash Sensor Mount/Communication Fault
			2296_6_OD or CM	Side Crash Sensor Circuit Short to Battery, Row No. 2 Passenger Side
			2296_8_OD or CM	Side Crash Sensor Communication Fault, Row No. 2 Passenger Side
			2296_9_OD or CM	Side Crash Sensor Circuit Short to Battery, Row No. 2 Driver Side

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B2607	Harness/Configuration Mismatch	RCM	2607_27_OD or CM	RCM does not support Seat Track Position Switch Passenger Side
			2607_29_OD or CM	The RCM does not support the PAD Lamp
			2607_30_OD or CM	The RCM does not support the occupant or occupational classification sensor OCS

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DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B2792	Cross Link Between Firing Loops	Driver safety belt buckle/retractor pretensioner; passenger safety belt buckle/retractor pretensioner; driver air bag module; passenger air bag module; driver safety canopy/side air curtain module; passenger safety canopy/side curtain module; driver seat side air bag module; passenger seat side air bag module; driver adaptive load limiting retractor; passenger adaptive load limiting retractor	2792_12_OD or CM	Side Air Bag Passenger
			2792_13_OD or CM	Side Air Bag Driver
			2792_14_OD or CM	Air Bag Adaptive Tether Front Passenger
			2792_16_OD or CM	Deployable Steering Column
			2792_17_OD or CM	Seat Belt Load Limiter - Driver
			2792_18_OD or CM	Seat Belt Load Limiter - Passenger
			2792_19_OD or CM	Air Bag Passenger Front Can Vent
			2792_20_OD or CM	Air Bag Driver Front Can Vent
			2792_21_OD or CM	Passenger Retractor Pretensioner
			2792_22_OD or CM	Driver Retractor Pretensioner
			2792_24_CM	Deployable Steering Column
			2792_26_CM	Pretensioner Passenger
			2792_26_OD or CM	Pretensioner Passenger
			2792_27_OD or CM	Pretensioner Driver
			2792_28_OD or CM	Air Bag Passenger Front Loop #2
			2792_29_OD or CM	Air Bag Passenger Front Loop #1
			2792_30_OD or CM	Air Bag Driver Front Loop #2
			2792_31_OD or CM	Air Bag Driver Front Loop #1
			2792_8_OD or CM	A-B or A-C Pillar Curtain, Passenger Side
			2792_9_OD or CM	A-B or A-C Pillar Curtain, Driver Side

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
B2909	Belt Tension Sensor Fault	Passenger safety belt buckle/retractor	2909_28_OD or CM	Front Passenger Side Belt Tension Sensor Short to Battery
			2909_29_OD or CM	Front Passenger Side Belt Tension Sensor Short to Ground
			2909_30_OD or CM	Front Passenger Side Belt Tension Sensor Open Circuit
			2909_31_OD or CM	Front Passenger Side Belt Tension Sensor Circuit Fault

DTC	Definition	Associated Components (as equipped)	Fault Pid	Description
C1414	Incorrect Module Design Level	Front impact severity sensor; driver front impact severity sensor; passenger front impact severity sensor; first row driver side impact sensor; first row passenger side impact sensor; second row driver side impact sensor; second row passenger side impact sensor; RCM; PCM; occupant classification system (OCS) assembly (bladder-type system)	1414_16_OD or CM	PCM CAN Model Year ID Mismatch
			1414_17_OD or CM	PCM CAN Vehicle ID Mismatch
			1414_23_OD or CM	Passenger Front Crash Sensor Mismatch
			1414_24_OD or CM	Row 2 Passenger Side Crash Sensor Mismatch
			1414_25_OD or CM	Row 1 Passenger Side Crash Sensor Mismatch
			1414_26_OD or CM	Row 2 Driver Side Crash Sensor Mismatch
			1414_27_OD or CM	Row 1 Driver Side Crash Sensor Mismatch
			1414_28_OD or CM	Driver-Center Front Crash Sensor Mismatch
			1414_29_OD or CM	Passenger Front Crash Sensor Mismatch
			1414_30_OD or CM	VID ID Mismatch
			1414_31_OD or CM	Occupant Classification Sensor CAN ID Mismatch
			1414_5_CM	Plant Mode

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Figure 5 - Article 07-12-3