

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2008 FORD Mondeo Wagon OEM Service and Repair Workshop Manual

[Go to manual page](#)

Are any RCM (restraints control module) or OCSM (occupant classification system module) Diagnostic Trouble Codes (DTCs) retrieved on-demand during self-test?

Yes	Do not clear any Diagnostic Trouble Codes (DTCs) until all Diagnostic Trouble Codes (DTCs) have been resolved. DIAGNOSE and REPAIR the SRS (supplemental restraint system) Diagnostic Trouble Codes (DTCs). REFER to the DTC (diagnostic trouble code) Chart in this section.
No	The repair is complete. RETURN the vehicle to the customer.

PINPOINT TEST BJ : U0100:00

Refer to Wiring Diagrams Cell 46 for schematic and connector information.

Normal Operation and Fault Conditions The OCSM (occupant classification system module) and RCM (restraints control module) both use information contained in messages from the PCM (powertrain control module) sent on the HS-CAN (high-speed controller area network). For more information, REFER to: [Airbag and Seatbelt Pretensioner Supplemental Restraint System \(SRS\) - System Operation and Component Description](#)

(501-20B Supplemental Restraint System, Description and Operation).

DTC Fault Trigger Conditions

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
OCSM (occupant classification system module) U0100:00	Lost Communication With ECM/PCM 'A': No Sub Type Information	This DTC (diagnostic trouble code) sets if the OCSM (occupant classification system module) does not receive an expected message from the PCM (powertrain control module).
RCM (restraints control module) U0100:00	Lost Communication With ECM/PCM 'A': No Sub Type Information	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) does not receive an expected message from the PCM (powertrain control module).

Possible Sources

- Network traffic
- PCM (powertrain control module)
- OCSM (occupant classification system module)

The SRS (supplemental restraint system) must be fully operational and free of faults before releasing the vehicle to the customer.

BJ1 VERIFY DIAGNOSTIC SCAN TOOL COMMUNICATION WITH THE PCM (POWERTRAIN CONTROL MODULE)

WARNING

Before beginning any service procedure in this section, refer to Safety Warnings in section 100-00 General Information. Failure to follow this instruction may result in serious personal injury.

- REFER to: [Pyrotechnic Device Health and Safety Precautions](#)(100-00 General Information, Description and Operation).
- Ignition ON.
- Connect the diagnostic scan tool.
- Check that a vehicle session can be established using the diagnostic scan tool.

Can a vehicle session be established?

Yes	If DTC (diagnostic trouble code) U0100:00 was retrieved from the OCSM (occupant classification system module) , GO to BJ2 If DTC (diagnostic trouble code) U0100:00 was retrieved from the RCM (restraints control module) , GO to BJ3
No	To diagnose no communication with the PCM (powertrain control module) , REFER to: Controller Area Network (CAN) Module Communications Network (418-00A Controller Area Network (CAN) Module Communications Network, Diagnosis and Testing).

BJ2 CHECK THE OCSM (OCCUPANT CLASSIFICATION SYSTEM MODULE) CONTINUOUS MEMORY DIAGNOSTIC TROUBLE CODES (CMDTCS)

- Using a diagnostic scan tool, perform OCSM (occupant classification system module) self-test.
- Using a diagnostic scan tool, clear OCSM (occupant classification system module) Diagnostic Trouble Codes (DTCs).
- Wait 10 seconds.
- Using a diagnostic scan tool, perform OCSM (occupant classification system module) self-test.

Is DTC (diagnostic trouble code) U0100:00 retrieved again?

No	If DTC (diagnostic trouble code) U0100:00 was originally retrieved from the OCSM (occupant classification system module) , GO to BJ5 If DTC (diagnostic trouble code) U0100:00 was originally retrieved from the RCM (restraints control module) , GO to BJ6
-----------	--

BJ5 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE OCSM (OCCUPANT CLASSIFICATION SYSTEM MODULE) SELF-TEST

- Using a diagnostic scan tool, perform OCSM (occupant classification system module) self-test.
- Check for recorded Diagnostic Trouble Codes (DTCs) from the OCSM (occupant classification system module) self-test.

Is DTC (diagnostic trouble code) U3003:16 or U3003:17 recorded?

Yes	GO to Pinpoint Test BD
------------	--

No	GO to BJ7
-----------	---------------------------

BJ6 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE RCM (RESTRAINTS CONTROL MODULE) SELF-TEST

- Using a diagnostic scan tool, perform RCM (restraints control module) self-test.
- Check for recorded Diagnostic Trouble Codes (DTCs) from the RCM (restraints control module) self-test.

Is DTC (diagnostic trouble code) U3003:16 or U3003:17 recorded?

Yes	GO to Pinpoint Test BD
------------	--

No	GO to BJ8
-----------	---------------------------

BJ7 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0100:00 SET IN MODULES OTHER THAN THE OCSM (OCCUPANT CLASSIFICATION SYSTEM MODULE)

- Using a diagnostic scan tool, perform self-test for all modules.

Is DTC (diagnostic trouble code) U0100:00 set in the ABS (anti-lock brake system) module or in the RCM (restraints control module) ?

No	<p>CHECK OASIS (Online Automotive Service Information System) for any applicable service articles: TSB (Technical Service Bulletin) , GSB (General Service Bulletin) , SSM (special service message) or FSA (Field Service Action) . If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new RCM (restraints control module) .</p> <p>REFER to: Restraints Control Module (RCM) (501-20B Supplemental Restraint System, Removal and Installation).</p>
-----------	--

PINPOINT TEST BK : U0151:00

Refer to Wiring Diagrams Cell 46for schematic and connector information.

Normal Operation and Fault Conditions REFER to: [Airbag and Seatbelt Pretensioner Supplemental Restraint System \(SRS\) - System Operation and Component Description](#)
(501-20B Supplemental Restraint System, Description and Operation).

The OCSM (occupant classification system module) uses information contained in messages from the RCM (restraints control module) sent on the HS-CAN2 (high-speed controller area network 2) . **DTC Fault Trigger Conditions**

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
OCSM (occupant classification system module) U0151:00	Lost Communication With Restraints Control Module: No Sub Type Information	This DTC (diagnostic trouble code) sets if the OCSM (occupant classification system module) does not receive an expected message from the RCM (restraints control module) .

Possible Sources

- Network traffic
- OCSM (occupant classification system module)
- RCM (restraints control module)

WARNING

Do not handle, move or change the original horizontal mounting position of the Restraints Control Module (RCM) while the Restraints Control Module (RCM) is connected and the ignition switch is ON.

REFER to: [Controller Area Network \(CAN\) Module Communications Network](#)
(418-00A Controller Area Network (CAN) Module Communications Network, Diagnosis and Testing).

BK2 CHECK THE OCSM (OCCUPANT CLASSIFICATION SYSTEM MODULE) CONTINUOUS MEMORY DIAGNOSTIC TROUBLE CODES (CMDTCS)

- Using a diagnostic scan tool, perform OCSM (occupant classification system module) self-test.
- Using a diagnostic scan tool, clear OCSM (occupant classification system module) Diagnostic Trouble Codes (DTCs).
- Wait 10 seconds.
- Using a diagnostic scan tool, perform OCSM (occupant classification system module) self-test.

Is DTC (diagnostic trouble code) U0151:00 retrieved again?

Yes	GO to BK3
------------	---------------------------

No	The system is operating correctly at this time. The DTC (diagnostic trouble code) may have been set due to high network traffic or an intermittent fault condition.
-----------	---

BK3 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE RCM (RESTRAINTS CONTROL MODULE) SELF-TEST

- Using a diagnostic scan tool, perform RCM (restraints control module) self-test.

Is DTC (diagnostic trouble code) U3003:16 or U3003:17 recorded?

Yes	GO to Pinpoint Test BD
------------	--

No	GO to BK4
-----------	---------------------------

BK4 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE OCSM (OCCUPANT CLASSIFICATION SYSTEM MODULE) SELF-TEST

- Using a diagnostic scan tool, perform OCSM (occupant classification system module) self-test.

PINPOINT TEST BL : U0208:00

Refer to Wiring Diagrams Cell 46for schematic and connector information.

Normal Operation and Fault Conditions REFER to: [Airbag and Seatbelt Pretensioner Supplemental Restraint System \(SRS\) - System Operation and Component Description](#) (501-20B Supplemental Restraint System, Description and Operation).
The OCSM (occupant classification system module) uses information contained in messages from the DSM (driver front seat module) sent on the HS-CAN2 (high-speed controller area network 2) . **DTC Fault Trigger Conditions**

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
OCSM (occupant classification system module) U0208:00	Lost Communication With 'Seat Control Module A': No Sub Type Information	This DTC (diagnostic trouble code) sets if the OCSM (occupant classification system module) does not receive an expected message from the DSM (driver front seat module) .

Possible Sources

- Network traffic
- OCSM (occupant classification system module)
- DSM (driver front seat module)

WARNING

Do not handle, move or change the original horizontal mounting position of the Restraints Control Module (RCM) while the Restraints Control Module (RCM) is connected and the ignition switch is ON. Failure to follow this instruction may result in the accidental deployment of the Safety Canopy® and cause serious personal injury or death.

NOTE

Most faults are due to connector and/or wiring concerns. Carry out a thorough inspection and verification before proceeding with the pinpoint test.

NOTE

- Wait 10 seconds.
- Using a diagnostic scan tool, perform OCSM (occupant classification system module) self-test.

Is DTC (diagnostic trouble code) U0208:00 retrieved again?

Yes	GO to BL3
------------	---------------------------

No	The system is operating correctly at this time. The DTC (diagnostic trouble code) may have been set due to high network traffic or an intermittent fault condition.
-----------	---

BL3 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE RCM (RESTRAINTS CONTROL MODULE) SELF-TEST

- Using a diagnostic scan tool, perform RCM (restraints control module) self-test.

Is DTC (diagnostic trouble code) U3003:16 or U3003:17 recorded?

Yes	GO to Pinpoint Test BD
------------	--

No	GO to BL4
-----------	---------------------------

BL4 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE OCSM (OCCUPANT CLASSIFICATION SYSTEM MODULE) SELF-TEST

- Using a diagnostic scan tool, perform OCSM (occupant classification system module) self-test.
- Check the recorded Diagnostic Trouble Codes (DTCs) from the OCSM (occupant classification system module) self-test.

Is DTC (diagnostic trouble code) U3003:16 or U3003:17 recorded?

Yes	GO to Pinpoint Test BD
------------	--

No	GO to BL5
-----------	---------------------------

BL5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0208:00 SET IN OTHER MODULES

OCSM (occupant classification system module) U024C:00	Lost Communication with Seat Control Module 'H': No Sub Type Information	This DTC (diagnostic trouble code) sets if the OCSM (occupant classification system module) does not receive an expected message from the SCMH (passenger multi-contour seat module) .
---	--	--

Possible Sources

- Network traffic
- OCSM (occupant classification system module)
- SCMH (passenger multi-contour seat module)

WARNING

Do not handle, move or change the original horizontal mounting position of the Restraints Control Module (RCM) while the Restraints Control Module (RCM) is connected and the ignition switch is ON. Failure to follow this instruction may result in the accidental deployment of the Safety Canopy® and cause serious personal injury or death.

NOTE

Most faults are due to connector and/or wiring concerns. Carry out a thorough inspection and verification before proceeding with the pinpoint test.

NOTE

SRS (supplemental restraint system) components should only be disconnected or reconnected when instructed to do so within a pinpoint test step. Failure to follow this instruction may result in incorrect diagnosis of the SRS (supplemental restraint system) .

NOTE

Always make sure the correct SRS (supplemental restraint system) component is being installed. Parts released for other vehicles may not be compatible even if they appear physically similar. Check the part number listed in the Ford parts catalog to make sure the correct component is being installed. If an incorrect SRS (supplemental restraint system) component is installed, Diagnostic Trouble Codes (DTCs) may set.

- Using a diagnostic scan tool, perform RCM (restraints control module) self-test.

Is DTC (diagnostic trouble code) U3003:16 or U3003:17 recorded?

Yes	GO to Pinpoint Test BD
------------	--

No	GO to BM4
-----------	---------------------------

BM4 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCs) FROM THE OCSM (OCCUPANT CLASSIFICATION SYSTEM MODULE) SELF-TEST

- Using a diagnostic scan tool, perform OCSM (occupant classification system module) self-test.
- Check the recorded Diagnostic Trouble Codes (DTCs) from the OCSM (occupant classification system module) self-test.

Is DTC (diagnostic trouble code) U3003:16 or U3003:17 recorded?

Yes	GO to Pinpoint Test BD
------------	--

No	GO to BM5
-----------	---------------------------

BM5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U024C:00 SET IN OTHER MODULES

- Ignition ON.
- Using a diagnostic scan tool, perform self-test for all modules.

Is DTC (diagnostic trouble code) U024C:00 set in the APIM (SYNC module) ?

Yes	<p>CHECK OASIS (Online Automotive Service Information System) for any applicable service articles: TSB (Technical Service Bulletin) , GSB (General Service Bulletin) , SSM (special service message) or FSA (Field Service Action) . If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions.</p> <p>If no service articles address this concern, INSTALL a new SCMH (passenger multi-contour seat module) .</p> <p>REFER to: Driver Multi-Contour Seat Module [SCMG] (501-10A Front Seats, Removal and Installation).</p>
------------	--