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## 2013 FORD Mondeo Wagon OEM Service and Repair Workshop Manual

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However, the RCM (restraints control module) does not request that the IPC (instrument panel cluster) illuminate the airbag warning indicator when these faults are present.

### DTC Fault Trigger Conditions

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
RCM (restraints control module) C0061:68	Lateral Acceleration Sensor: Event Information	A fault is indicated when the lateral acceleration sensor is transmitting data that is outside of the range expected by the RCM (restraints control module) .
RCM (restraints control module) C0062:68	Longitudinal Acceleration Sensor: Event Information	A fault is indicated when the longitudinal acceleration sensor is transmitting data that is outside of the range expected by the RCM (restraints control module) .
RCM (restraints control module) C0063:68	Yaw Rate Sensor: Event Information	A fault is indicated when the yaw rate sensor is transmitting data that is outside of the range expected by the RCM (restraints control module) .
RCM (restraints control module) C0064:68	Roll Rate Sensor: Event Information	A fault is indicated when the roll rate sensor is transmitting data that is outside of the range expected by the RCM (restraints control module) .
RCM (restraints control module) C0065:68	Vertical Acceleration Sensor: Event Information	A fault is indicated when the vertical acceleration sensor is transmitting data that is outside of the range expected by the RCM (restraints control module) .

### Possible Sources

- Aggressive driving conditions or rough roads
- RCM (restraints control module) mounting
- RCM (restraints control module)

### Visual Inspection and Pre-checks

- Review recent service history to identify repairs where an incorrect component may have been installed.

**WARNING**

<b>Yes</b>	CLEAR the RCM (restraints control module) Diagnostic Trouble Codes (DTCs). GO to <a href="#">AP2</a>
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<b>No</b>	DIAGNOSE all other RCM (restraints control module) Diagnostic Trouble Codes (DTCs) first. REFER to the RCM (restraints control module) DTC (diagnostic trouble code) Chart in this section.
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## AP2 CHECK FOR A RETURNING FAULT

- Test drive the vehicle. Choose a route with LH (left-hand) and RH (right-hand) turns. Avoid rough roads and **do not** drive the vehicle aggressively.
- Using a diagnostic scan tool, perform RCM (restraints control module) self-test.

**Were Diagnostic Trouble Codes (DTCs) C0061:68, C0062:68, C0063:68, C0064:68, or C0065:68 the only RCM (restraints control module) Diagnostic Trouble Codes (DTCs) retrieved?**

<b>Yes</b>	GO to <a href="#">AP3</a>
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<b>No</b>	<p>If no RCM (restraints control module) Diagnostic Trouble Codes (DTCs) were retrieved, the Diagnostic Trouble Codes (DTCs) may have been triggered by aggressive driving or rough road conditions. INFORM the customer that aggressive driving conditions or rough road conditions can set these Diagnostic Trouble Codes (DTCs). RETURN the vehicle to the customer.</p> <p>If any other RCM (restraints control module) Diagnostic Trouble Codes (DTCs) were retrieved, DIAGNOSE those Diagnostic Trouble Codes (DTCs). REFER to the RCM (restraints control module) DTC (diagnostic trouble code) Chart in this section.</p>
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## AP3 CHECK THE RCM (RESTRAINTS CONTROL MODULE) INSTALLATION

- Ignition OFF.
- Depower the SRS (supplemental restraint system) .  
REFER to: [Supplemental Restraint System \(SRS\) Depowering](#)(501-20B Supplemental Restraint System, General Procedures).
- Disconnect RCM (restraints control module) C310A and C310B

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

**Was the original DTC (diagnostic trouble code) retrieved on-demand during self-test?**

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. If no service articles address this concern, INSTALL a new RCM (restraints control module) .</p> <p>REFER to: <a href="#">Restraints Control Module (RCM)</a> (501-20B Supplemental Restraint System, Removal and Installation).</p> <p>GO to <a href="#">AP6</a></p>
No	<p>In the process of diagnosing the fault, the fault condition has become intermittent. Do not install any new SRS (supplemental restraint system) components at this time. Install SRS (supplemental restraint system) components only when directed to do so in the pinpoint test. GO to <a href="#">AP5</a></p>

**AP5 CHECK THE HARNESS AND CONNECTORS**

- Ignition OFF.
- Depower the SRS (supplemental restraint system) .  
REFER to: [Supplemental Restraint System \(SRS\) Depowering](#)(501-20B Supplemental Restraint System, General Procedures).
- Disconnect RCM (restraints control module) C310A and C310B
- Inspect:
  - inspect connector for pushed-out, loose or spread terminals and loose or frayed wire connections at terminals.
  - inspect wiring harness for any damaged, pinched, cut or pierced wires.
  - inspect RCM (restraints control module) C310A and C310B Connector Position Assurance (CPA) lever/lock for correct operation.

**Were any concerns found?**

Yes	<p>REPAIR as necessary.</p> <p>Refer to Wiring Diagrams Cell 5for schematic and connector information.</p> <p>GO to <a href="#">AP6</a></p>
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<b>No</b>	CLEAR all RCM (restraints control module) and OCSM (occupant classification system module) Continuous Memory Diagnostic Trouble Codes (CMDTCs). PROVE OUT the SRS (supplemental restraint system) . The repair is complete. RETURN the vehicle to the customer.
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#### PINPOINT TEST AQ : U0028:08, U0028:88, U2101:00

#### 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).

#### DTC Fault Trigger Conditions

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
RCM (restraints control module) U0028:08	Vehicle Communication Bus A: Bus Signal/Message Failures	This DTC (diagnostic trouble code) sets due to an internal fault with the RCM (restraints control module) CAN (controller area network) .
RCM (restraints control module) U0028:88	Vehicle Communication Bus A: Bus Off	This DTC (diagnostic trouble code) sets due to an internal fault with the RCM (restraints control module) CAN (controller area network) .
RCM (restraints control module) U2101:00	Control Module Configuration Incompatible: No Sub Type Information	This DTC (diagnostic trouble code) sets due to an internal fault with the RCM (restraints control module) .

#### Possible Sources

- Incomplete or improper PMI (programmable module installation)
- 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. Failure to follow this instruction may result in the accidental deployment of the Safety Canopy® and cause serious personal injury or death.

## DTC Fault Trigger Conditions

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
RCM (restraints control module) U0121:00	Lost Communication With Anti-Lock Brake System (ABS) Control Module '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 ABS (anti-lock brake system) control module.

### Possible Sources

- Network traffic
- ABS (anti-lock brake system)
- 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. 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

<b>Yes</b>	GO to <a href="#">AR3</a>
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<b>No</b>	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.
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### **AR3 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE RCM (RESTRAINTS CONTROL MODULE) SELF-TEST**

- Check the recorded Diagnostic Trouble Codes (DTCs) from the RCM (restraints control module) self-test.

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

<b>Yes</b>	<a href="#">GO to Pinpoint Test BD</a>
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<b>No</b>	GO to <a href="#">AR4</a>
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### **AR4 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCS) FROM THE ABS (ANTI-LOCK BRAKE SYSTEM) SELF-TEST**

- Using a diagnostic scan tool, perform ABS (anti-lock brake system) self-test.
- Check for recorded Diagnostic Trouble Codes (DTCs) from the ABS (anti-lock brake system) self-test.

**Is ABS (anti-lock brake system) DTC (diagnostic trouble code) U3003:16 or U3003:17 recorded?**

<b>Yes</b>	REFER to: <a href="#">Anti-Lock Brake System (ABS) and Stability Control</a> (206-09 Anti-Lock Brake System (ABS) and Stability Control, Diagnosis and Testing).
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<b>No</b>	GO to <a href="#">AR5</a>
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### **AR5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0121:00 SET IN OTHER MODULES**

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

- PSCM (power steering control 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. 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.

### NOTE

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

## AS1 CHECK THE COMMUNICATION NETWORK

- Check the recorded Diagnostic Trouble Codes (DTCs) from the RCM (restraints control module) self-test.

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

<b>Yes</b>	<a href="#">GO to Pinpoint Test BD</a>
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<b>No</b>	GO to <a href="#">AS4</a>
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#### **AS4 RETRIEVE THE RECORDED DIAGNOSTIC TROUBLE CODES (DTCs) FROM THE PSCM (POWER STEERING CONTROL MODULE) SELF-TEST**

- Using a diagnostic scan tool, perform PSCM (power steering control module) self-test.
- Check for recorded Diagnostic Trouble Codes (DTCs) from the BCM (body control module) self-test.

**Is BCM (body control module) DTC (diagnostic trouble code) U3003:16 or U3003:17 recorded?**


<b>Yes</b>	REFER to: <a href="#">Power Steering</a> (211-02 Power Steering, Diagnosis and Testing).
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<b>No</b>	GO to <a href="#">AS5</a>
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#### **AS5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0140:00 SET IN OTHER MODULES**

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

**Is DTC (diagnostic trouble code) U0140:00 set in the ABS (anti-lock brake system) Module or in the IPC (instrument panel cluster) ?**

<b>Yes</b>	<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,</p> <div data-bbox="269 1800 454 1856">  </div> <p>Guided Routine available in the on-line Workshop Manual.</p>
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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.

#### NOTE

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

### AT1 CHECK THE COMMUNICATION NETWORK

- 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.

- Ignition ON.
- Using a diagnostic scan tool, carry out a network test.