

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.

2014 FORD Mondeo Wagon OEM Service and Repair Workshop Manual

[Go to manual page](#)

device.

- Example: If Diagnostic Trouble Codes (DTCs) B0001:2B and B0002:2B are being diagnosed, measure the resistance between circuit CR101 to circuits CR102 and RR102. Then measure the resistance between circuit RR101 to circuits CR102 and RR102.

Device/Loop (DTC (diagnostic trouble code))	Connector
Driver airbag stage 1 (B0001:2B)	<ul style="list-style-type: none">• C216A-1• C216A-2
Driver airbag stage 2 (B0002:2B)	<ul style="list-style-type: none">• C216B-1• C216B-2
Driver knee airbag (B0004:2B)	<ul style="list-style-type: none">• C2432-1• C2432-2
Adaptive energy absorption steering column (B0005:2B)	<ul style="list-style-type: none">• C2360-1• C2360-2
Passenger airbag stage 1 (B0010:2B)	<ul style="list-style-type: none">• C256-1• C256-2
Passenger airbag stage 2 (B0011:2B)	<ul style="list-style-type: none">• C256-4• C256-5
Passenger knee airbag (B0013:2B)	<ul style="list-style-type: none">• C2433-1• C2433-2
Driver seatbelt buckle (B0050:2B)	<ul style="list-style-type: none">• C3201-5
Front center seatbelt buckle (B0051:2B)	<ul style="list-style-type: none">• C3858-1 (with regular cab)• C3858-2 (with regular cab)• C3859-1 (with SuperCrew or SuperCab)• C3859-2 (with SuperCrew or SuperCab)

	<ul style="list-style-type: none"> • C727B-1 (with SuperCrew cab) • C727B-2 (with SuperCrew cab)
Passenger seatbelt adaptive load limiter (B0082:2B)	<ul style="list-style-type: none"> • C303B-1 (with Regular cab) • C303B-2 (with Regular cab) • C3637-1 (with SuperCab) • C3637-2 (with SuperCab) • C827B-1 (with SuperCrew cab) • C827B-2 (with SuperCrew cab)
Driver seat position sensor (B00B5:2B)	<ul style="list-style-type: none"> • C356-2
Passenger airbag canister vent (B11CF:2B)	<ul style="list-style-type: none"> • C256-7 • C256-8
Driver side airbag (B1404:2B)	<ul style="list-style-type: none"> • C3051-1 (Inline) • C3051-2 (Inline)
Driver side air curtain (B1405:2B)	<ul style="list-style-type: none"> • C9031-1 • C9031-2
Passenger side airbag (B1407:2B)	<ul style="list-style-type: none"> • C3053-1 (Inline) • C3053-2 (Inline)
Passenger side air curtain (B1408:2B)	<ul style="list-style-type: none"> • C9032-1 • C9032-2
Second row driver side seatbelt buckle sensor (B140C:2B)	<ul style="list-style-type: none"> • C3557-1
Second row passenger side seatbelt buckle sensor (B140D:2B)	<ul style="list-style-type: none"> • C3558-3
Second row driver side seatbelt retractor pretensioner (B1410:2B)	<ul style="list-style-type: none"> • C3646-1 • C3646-2
Second row passenger side seatbelt retractor pretensioner (B1412:2B)	<ul style="list-style-type: none"> • C3647-1

Were any signal cross coupled Diagnostic Trouble Codes (DTCs) 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: Restraints Control Module (RCM) (501-20B Supplemental Restraint System, Removal and Installation).</p> <p>GO to AN5</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 AN4</p>

AN4 CHECK FOR AN INTERMITTENT FAULT

NOTE

Most cross link faults are due to connector and/or wiring harness damage. Carry out a thorough inspection of connector(s) and/or wiring harness for damage.

- Ignition OFF.
- Depower the SRS (supplemental restraint system) .
REFER to: [Supplemental Restraint System \(SRS\) Depowering](#)(501-20B Supplemental Restraint System, General Procedures).
- Disconnect all of the affected SRS (supplemental restraint system) devices.
Refer to Wiring Diagrams Cell 46for schematic and connector information.
- Inspect the wiring harness(es) for any type of damage. If damage is found, repair as necessary.
Refer to Wiring Diagrams Cell 5for schematic and connector information.
- Repower the SRS (supplemental restraint system) . Do not prove out the SRS (supplemental restraint system) at this time.
REFER to: [Supplemental Restraint System \(SRS\) Repowering](#)(501-20B Supplemental Restraint System, General Procedures).
- Ignition ON.
- Using a diagnostic scan tool, perform RCM (restraints control module) self-test.

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 AO : BXXXX:4A (ANY BXXXX DTC (DIAGNOSTIC TROUBLE CODE) WITH A 4A FAILURE TYPE)
INCORRECT COMPONENT INSTALLED**

Refer to Wiring Diagrams Cell 46 for 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 RCM (restraints control module) monitors all SRS (supplemental restraint system) device connections. If the RCM (restraints control module) detects a connection or device connected that is not stored in memory or is not configured for the component, the RCM (restraints control module) sets a DTC (diagnostic trouble code) and sends a message to the IPC (instrument panel cluster) to illuminate the airbag warning indicator. **DTC Fault Trigger Conditions**

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
RCM (restraints control module) B0001:4A	Driver Frontal Stage 1 Deployment Control: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B0002:4A	Driver Frontal Stage 2 Deployment Control: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B0004:4A	Driver Knee Bolster Deployment Control: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.

RCM (restraints control module) B0070:4A	Driver Seatbelt Pretensioner 'A' Deployment Control: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B0072:4A	Passenger Seatbelt Pretensioner 'A' Deployment Control: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B007E:4A	Driver Seatbelt Pretensioner 'C' Deployment Control: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B007F:4A	Passenger Seatbelt Pretensioner 'C' Deployment Control: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B0080:4A	Driver Seatbelt Load Limiter Deployment Control: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B0082:4A	Passenger Seatbelt Load Limiter Deployment Control: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B00A0:4A	Occupant Classification System: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B00B5:4A	Driver Seat Track Position Restraints Sensor: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.

RCM (restraints control module) B140D:4A	Second Row Passenger Side Seatbelt Sensor: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B1410:4A	Second Row Driver Side Seatbelt Pretensioner Deployment Control: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B1412:4A	Second Row Passenger Side Seatbelt Pretensioner Deployment Control: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B1413:4A	Driver Frontal Restraints Sensor: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B1414:4A	Driver Side Restraints Sensor 1: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B1415:4A	Driver Side Restraints Sensor 2: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B1417:4A	Passenger Frontal Restraints Sensor: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.
RCM (restraints control module) B1418:4A	Passenger Side Restraints Sensor 1: Incorrect Component Installed	This DTC (diagnostic trouble code) sets if the RCM (restraints control module) detects the device but it is not configured for this component.

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

Only disconnect or reconnect SRS (supplemental restraint system) components 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.

AO1 RETRIEVE RCM (RESTRAINTS CONTROL MODULE) DIAGNOSTIC TROUBLE CODES (DTCs)

- 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, perform RCM (restraints control module) self-test.

Were any incorrect component installed Diagnostic Trouble Codes (DTCs) retrieved on-demand during self-test?

Were any incorrect component installed Diagnostic Trouble Codes (DTCs) retrieved on-demand during self-test?

Yes	<p>For DTC (diagnostic trouble code) B1413:4A, B1414:4A, B1415:4A, B1416:4A, B1417:4A, B1418:4A, B1419:4A or B141A:4A GO to AO4</p> <p>For all other incorrect component installed Diagnostic Trouble Codes (DTCs), 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 RCM (restraints control module) .</p> <p>REFER to: Restraints Control Module (RCM) (501-20B Supplemental Restraint System, Removal and Installation).</p> <p>GO to AO6</p>
------------	---

No	The fault is corrected. GO to AO6
-----------	---

AO4 VERIFY THE SUSPECT IMPACT SENSOR PART NUMBER

- Ignition OFF.
- Depower the SRS (supplemental restraint system) .
REFER to: [Supplemental Restraint System \(SRS\) Depowering](#)(501-20B Supplemental Restraint System, General Procedures).
- Gain access to the suspect impact sensor(s) for which incorrect component installed Diagnostic Trouble Codes (DTCs) were retrieved. Refer to the table for the appropriate procedure(s).

DTC (diagnostic trouble code)	Component	Procedure
B1413:4A	Driver front impact severity sensor	REFER to: Front Impact Severity Sensor (501-20B Supplemental Restraint System, Removal and Installation).
B1414:4A	Driver front door side impact sensor	REFER to: Front Door Side Impact Sensor (501-20B Supplemental Restraint System, Removal and Installation).
B1415:4A	Driver B-pillar (with SuperCab) or C-pillar (with SuperCrew cab side	REFER to: B-Pillar Side Impact Sensor - SuperCab (501-20B Supplemental Restraint

For DTC (diagnostic trouble code)
B1414:4A or B1418:4A,
REFER to: [Front Door Side Impact Sensor](#)
(501-20B Supplemental Restraint System, Removal and Installation).
For vehicles with DTC (diagnostic trouble code)
B1415:4A or B1419:4A,
REFER to: [B-Pillar Side Impact Sensor - SuperCab](#)
(501-20B Supplemental Restraint System, Removal and Installation).
or REFER to: [C-Pillar Side Impact Sensor - SuperCrew](#)
(501-20B Supplemental Restraint System, Removal and Installation).
GO to [AO6](#)

AO5 CHECK FOR AN INTERMITTENT FAULT

- Using a diagnostic scan tool, clear RCM (restraints control module) Diagnostic Trouble Codes (DTCs).
- Using a diagnostic scan tool, perform RCM (restraints control module) self-test to retrieve Diagnostic Trouble Codes (DTCs).

Were any incorrect component installed Diagnostic Trouble Codes (DTCs) retrieved on-demand during self-test?

Yes

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) .
REFER to: [Restraints Control Module \(RCM\)](#)
(501-20B Supplemental Restraint System, Removal and Installation).
GO to [AO6](#)

No

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 [AO6](#)

AO6 CHECK FOR ADDITIONAL SRS (SUPPLEMENTAL RESTRAINT SYSTEM) DIAGNOSTIC TROUBLE CODES (DTCS)