


# Your Ultimate Source for OEM Repair Manuals



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## 2003 FORD Focus RS OEM Service and Repair Workshop Manual



[Go to manual page](#)

C543-3		Ground
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#### Left Front Approach Detection Antenna (electric vehicles)

Positive Lead	Measurement / Action	Negative Lead
C1797-2		Ground
C1797-1		Ground

#### Right Front Exterior Door Handle (gas/hybrid vehicles)

Positive Lead	Measurement / Action	Negative Lead
C634-2		Ground
C634-3		Ground

#### Right Front Approach Detection Antenna (electric vehicles)

Positive Lead	Measurement / Action	Negative Lead
C1796-2		Ground
C1796-1		Ground

Is any voltage present?

C634-2	$\Omega$	Ground
C634-3	$\Omega$	Ground

#### Right Front Approach Detection Antenna (electric vehicles only)

Positive Lead	Measurement / Action	Negative Lead
C1796-2	$\Omega$	Ground
C1796-1	$\Omega$	Ground

Are the resistances greater than 10,000 ohms?

<b>Yes</b>	GO to <a href="#">S15</a>
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<b>No</b>	REPAIR the circuit in question.
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#### S15 CHECK THE EXTERIOR DOOR HANDLE/APPROACH DETECTION ANTENNA CIRCUITS FOR AN OPEN

- Measure:

#### Left Front Exterior Door Handle (gas/hybrid vehicles)

Positive Lead	Measurement / Action	Negative Lead
C543-2	$\Omega$	C2280D-13

<b>Yes</b>	GO to <a href="#">S16</a>
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<b>No</b>	REPAIR the circuit in question.
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#### **S16 CHECK FOR CORRECT BCM (BODY CONTROL MODULE) OPERATION**

- Disconnect and inspect all the BCM (body control module) connectors.
- Repair:
  - corrosion (install new connectors or terminals - clean module pins)
  - damaged or bent pins - install new terminals pins
  - pushed-out pins - install new pins as necessary
- Reconnect the BCM (body control module) connectors and make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

#### **Is the concern still present?**

<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, INSTALL a new BCM (body control module) .</p> <p>REFER to: <a href="#">Body Control Module (BCM)</a> (419-10 Multifunction Electronic Modules, Removal and Installation).</p>
<b>No</b>	<p>The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.</p>

#### **PINPOINT TEST T : THE TAILGATE PASSIVE ENTRY FEATURE IS INOPERATIVE**

Refer to Wiring Diagrams Cell 117for schematic and connector information.

**Normal Operation and Fault Conditions** REFER to: [Handles, Locks, Latches and Entry Systems - System Operation and Component Description](#) (501-14 Handles, Locks, Latches and Entry Systems, Description and Operation).

#### **DTC Fault Trigger Conditions**

- Close the tailgate.
- Ignition ON.
- Unlock the doors using the door lock control switch.
- Press the tailgate release button located at the rear of the vehicle.

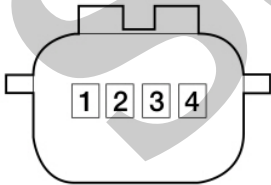
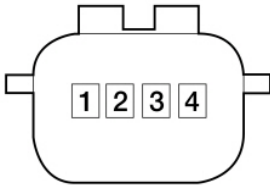
Does the tailgate latch release (manual tailgate) or power open (power tailgate)?

Yes	GO to <a href="#">T3</a>
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No	<p>For vehicles with a remote tailgate, <a href="#">GO to Pinpoint Test M</a></p> <p>For vehicles with a power tailgate, REFER to: <a href="#">Power Tailgate</a> (501-04 Pickup Bed and Platform Body, Diagnosis and Testing).</p>
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T3 CHECK THE KEYLESS ENTRY REAR ANTENNA

- Ignition OFF.
- Disconnect Keyless Entry Rear Antenna C4321 .
- Measure component side:

Positive Lead	Measurement / Action	Negative Lead
 <p>E157911</p> <p>C4321, pin 1, component side</p>	<p>Ω</p>	 <p>E157911</p> <p>C4321, pin 2, component side</p>

Is the resistance between 1 and 3 ohms?

Yes	GO to <a href="#">T4</a>
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C4321-1	$\Omega$	Ground
C4321-2	$\Omega$	Ground

**Are the resistances greater than 10,000 ohms?**

<b>Yes</b>	GO to <a href="#">T6</a>
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<b>No</b>	REPAIR the circuit in question.
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#### **T6 CHECK THE KEYLESS ENTRY REAR ANTENNA CIRCUITS FOR AN OPEN**

- Measure:

Positive Lead	Measurement / Action	Negative Lead
C4321-1	$\Omega$	C2280D-30
C4321-2	$\Omega$	C2280D-32

**Are the resistances less than 3 ohms?**

<b>Yes</b>	GO to <a href="#">T7</a>
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<b>No</b>	REPAIR the circuit in question.
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#### **T7 CHECK FOR CORRECT BCM (BODY CONTROL MODULE) OPERATION**

- Disconnect and inspect all the BCM (body control module) connectors.

RTM (radio transceiver module) U1A00:00	Private Communication Network: No Sub Type Information	Sets when the RTM (radio transceiver module) detects a fault with the LIN (local interconnect network) -based circuit to the BCM (body control module) .
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#### Possible Sources

- Wiring, terminals or connectors
- RTM (radio transceiver module)
- BCM (body control module)

#### U1 CHECK IF THE RTM (RADIO TRANSCEIVER MODULE) AND THE BCM (BODY CONTROL MODULE) PASS THE NETWORK TEST

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


**Does the RTM (radio transceiver module) and the BCM (body control module) pass the network test?**

<b>Yes</b>	GO to <a href="#">U2</a>
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<b>No</b>	REFER to: <a href="#">Controller Area Network (CAN) Module Communications Network</a> (418-00A Controller Area Network (CAN) Module Communications Network, Diagnosis and Testing).
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#### U2 CHECK THE LIN (LOCAL INTERCONNECT NETWORK) CIRCUIT FOR A SHORT TO VOLTAGE

- Ignition OFF:
- Disconnect RTM (radio transceiver module) C9026 .
- Disconnect BCM (body control module) C2280B .
- Ignition ON:
- Measure:

Positive Lead	Measurement / Action	Negative Lead
C9026-2		Ground

<b>Yes</b>	GO to <a href="#">U5</a>
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<b>No</b>	REPAIR the circuit.
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#### U5 CHECK FOR CORRECT RTM (RADIO TRANSCEIVER MODULE) OPERATION

- Disconnect and inspect the BCM (body control module) connector.
- Repair:
  - corrosion (install new connectors or terminals - clean module pins)
  - damaged or bent pins - install new terminals pins
  - pushed-out pins - install new pins as necessary
- Reconnect the BCM (body control module) connector and make sure it seats and latches correctly.
- Operate the system and determine if the concern is still present.

#### Is the concern still present?

<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, INSTALL a new BCM (body control module) .</p> <p>REFER to: <a href="#">Body Control Module (BCM)</a> (419-10 Multifunction Electronic Modules, Removal and Installation).</p>
<b>No</b>	<p>The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.</p>

#### PINPOINT TEST V : U0140:00

##### Normal Operation and Fault Conditions

The DDM (driver door module) / PDM (passenger door module) communicates with the BCM (body control module) over the CAN (controller area network) . If the DDM (driver door module) / PDM (passenger door module) does not receive messages from the BCM (body control module) , features such as the puddle lamps, exterior mirror turn signal and door switch illumination can be inoperative.

##### DTC Fault Trigger Conditions



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

**Does the BCM (body control module) pass the network test?**

<b>Yes</b>	GO to <a href="#">V3</a>
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<b>No</b>	REFER to: <a href="#">Controller Area Network (CAN) Module Communications Network</a> (418-00A Controller Area Network (CAN) Module Communications Network, Diagnosis and Testing).
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**V3 CHECK FOR BCM (BODY CONTROL MODULE) DIAGNOSTIC TROUBLE CODES (DTCs)**

- Using a diagnostic scan tool, carry out the BCM (body control module) self-test.

**Are any voltage related Diagnostic Trouble Codes (DTCs) present?**

<b>Yes</b>	REFER to: <a href="#">Body Control Module (BCM)</a> (419-10 Multifunction Electronic Modules, Diagnosis and Testing).
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<b>No</b>	GO to <a href="#">V4</a>
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**V4 RECHECK THE DDM (DRIVER DOOR MODULE) OR PDM (PASSENGER DOOR MODULE) DIAGNOSTIC TROUBLE CODES (DTCs)**

**NOTE**

If new modules were installed prior to the DTC (diagnostic trouble code) being set, the module configuration may be incorrectly set during PMI (programmable module installation) or the PMI (programmable module installation) may not have been performed.

- Using a diagnostic scan tool, clear the Diagnostic Trouble Codes (DTCs) and repeat the DDM (driver door module) / PDM (passenger door module) self-test.

**Is DTC (diagnostic trouble code) U0140:00 still present?**

<b>Yes</b>	GO to <a href="#">V5</a>
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DDM (driver door module) U0208:00	Lost Communication With 'Seat Control Module A': No Sub Type Information	Sets when the DDM (driver door module) detects data messages are missing from the DSM (driver front seat module) .
PDM (passenger door module) U0208:00	Lost Communication With 'Seat Control Module A': No Sub Type Information	Sets when the PDM (passenger door module) detects data messages are missing from the DSM (driver front seat module) .

#### Possible Sources

- Network communication concern
- DDM (driver door module) / PDM (passenger door module)
- DSM (driver front seat module)

#### W1 VERIFY THE CUSTOMER CONCERN

- Ignition ON.
- Verify there is an observable symptom present.

#### Is an observable symptom present?

Yes	GO to <a href="#">W2</a>
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No	The system is operating normally 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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#### W2 CHECK THE COMMUNICATION NETWORK

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

#### Does the DSM (driver front seat module) pass the network test?

Yes	GO to <a href="#">W3</a>
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No	REFER to: <a href="#">Controller Area Network (CAN) Module Communications Network</a> (418-00A Controller Area Network (CAN) Module Communications Network, Diagnosis and Testing).
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