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## 2006 FORD Explorer OEM Service and Repair Workshop Manual

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- Disconnect and inspect the BCM (body control module) connectors.
- Repair:
  - corrosion (install new connector 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. 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 H : U0146:87**

Refer to Wiring Diagrams Cell 14 for schematic and connector information.

**Normal Operation and Fault Conditions** REFER to: [Module Controlled Functions - System Operation and Component Description](#)

(419-10 Multifunction Electronic Modules, Description and Operation).

**DTC Fault Trigger Conditions**

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
BCM (body control module) U0146:87	Lost Communication With Serial Data Gateway 'A': Missing Message	A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the GWM (gateway module A) are missing.

- Using a diagnostic scan tool, perform the GWM (gateway module A) self-test.

**Are any GWM (gateway module A) DTCs recorded?**

<p><b>Yes</b></p>	<p>Diagnose those DTCs first.          REFER to: <a href="#">Controller Area Network (CAN) Module Communications Network</a> (418-00 Controller Area Network (CAN) Module Communications Network) .          Diagnose those DTCs first.          REFER to: <a href="#">Controller Area Network (CAN) Module Communications Network - Electric</a> (418-00A Controller Area Network (CAN) Module Communications Network, Diagnosis and Testing).</p>
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<p><b>No</b></p>	<p>GO to <a href="#">H4</a></p>
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**H4 RECHECK THE BCM (BODY CONTROL MODULE) CMDTCS**

- Using a diagnostic scan tool, clear the DTCs.
- Wait 10 seconds.
- Using a diagnostic scan tool, check the BCM (body control module) CMDTCS.

**Is DTC (diagnostic trouble code) U0146:87 still present?**

<p><b>Yes</b></p>	<p>GO to <a href="#">H5</a></p>
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<p><b>No</b></p>	<p>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.</p>
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**H5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0146:87 SET IN OTHER MODULES**

- Using a diagnostic scan tool, clear the DTCs.
- Ignition OFF.
- Wait 10 seconds.
- Ignition ON.
- Using a diagnostic scan tool, retrieve all CMDTCS.

**Is DTC (diagnostic trouble code) U0146:87 set in other modules?**

<p><b>Yes</b></p>	<p>GO to <a href="#">H6</a></p>
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- Ignition OFF.
- Disconnect and inspect the BCM (body control module) connectors.
- Repair:
  - corrosion (install new connector 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. 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 I : U0151:87**

Refer to Wiring Diagrams Cell 14 for schematic and connector information.

**Normal Operation and Fault Conditions** REFER to: [Module Controlled Functions - System Operation and Component Description](#)

(419-10 Multifunction Electronic Modules, Description and Operation).

**DTC Fault Trigger Conditions**

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
BCM (body control module) U0151:87	Lost Communication With Restraints Control Module: Missing Message	A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if SRS (supplemental restraint system) messages from the RCM (restraints control module) are missing.

<b>No</b>	GO to <a href="#">I3</a>
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### I3 RETRIEVE THE RCM (RESTRAINTS CONTROL MODULE) DTCS

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

#### Are any RCM (restraints control module) DTCs present?

<b>Yes</b>	Diagnose those DTCs first. REFER to: <a href="#">Airbag Supplemental Restraint System (SRS)</a> (501-20B Supplemental Restraint System, Diagnosis and Testing).
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<b>No</b>	GO to <a href="#">I4</a>
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### I4 RECHECK THE BCM (BODY CONTROL MODULE) CMDTCS

- Using a diagnostic scan tool, clear the DTCs.
- Wait 10 seconds.
- Using a diagnostic scan tool, check the BCM (body control module) CMDTCS.

#### Is DTC (diagnostic trouble code) U0151:87 still present?

<b>Yes</b>	GO to <a href="#">I5</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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### I5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0151:87 SET IN OTHER MODULES

- Using a diagnostic scan tool, clear the DTCs.
- Ignition OFF.
- Wait 10 seconds.
- Ignition ON.

- corrosion (install new connector 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. 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 J : U0155:87**

Refer to Wiring Diagrams Cell 14 for schematic and connector information.

**Normal Operation and Fault Conditions** REFER to: [Module Controlled Functions - System Operation and Component Description](#) (419-10 Multifunction Electronic Modules, Description and Operation).

**DTC Fault Trigger Conditions**

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
BCM (body control module) U0155:87	Lost Communication With Instrument Panel Cluster (IPC) Control Module: Missing Message	A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the IPC (instrument panel cluster) are missing.

**Possible Sources**

- Communication network concern

No	GO to <a href="#">J3</a>
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### J3 RETRIEVE THE IPC (INSTRUMENT PANEL CLUSTER) DTCS

- Using a diagnostic scan tool, perform the IPC (instrument panel cluster) self-test.

#### Are any IPC (instrument panel cluster) DTCs present?

Yes	Diagnose those DTCs first. REFER to: <a href="#">Instrumentation, Message Center and Warning Chimes</a> (413-01 Instrumentation, Message Center and Warning Chimes, Diagnosis and Testing).
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No	GO to <a href="#">J4</a>
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### J4 RECHECK THE BCM (BODY CONTROL MODULE) CMDTCS

- Using a diagnostic scan tool, clear the DTCs.
- Wait 10 seconds.
- Using a diagnostic scan tool, check the BCM (body control module) CMDTCS.

#### Is DTC (diagnostic trouble code) U0155:87 still present?

Yes	GO to <a href="#">J5</a>
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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.
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### J5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0155:87 SET IN OTHER MODULES

- Using a diagnostic scan tool, clear the Diagnostic Trouble Codes (DTCs).
- Ignition OFF.
- Wait 10 seconds.
- Ignition ON.
- Using a diagnostic scan tool, retrieve all CMDTCS.

#### Is DTC (diagnostic trouble code) U0155:87 set in other modules?

- pushed-out pins - install new pins as necessary
- Reconnect the BCM (body control module) connectors. 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 K : U0184:87**

Refer to Wiring Diagrams Cell 14 for schematic and connector information.

**Normal Operation and Fault Conditions** REFER to: [Module Controlled Functions - System Operation and Component Description](#) (419-10 Multifunction Electronic Modules, Description and Operation).

**DTC Fault Trigger Conditions**

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
BCM (body control module) U0184:87	Lost Communication With Radio: Missing Message	A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the ACM (audio front control module) are missing.

**Possible Sources**

- Communication network concern
- Battery voltage concern
- GWM (gateway module A) concern
- ACM (audio front control module)



### K3 RETRIEVE THE ACM (AUDIO FRONT CONTROL MODULE) DTCS

- Using a diagnostic scan tool, perform the ACM (audio front control module) self-test.

#### Are any ACM (audio front control module) DTCs recorded?

<b>Yes</b>	Diagnose those DTCs first. REFER to: <a href="#">Information and Entertainment System</a> (415-00 Information and Entertainment System - General Information, Diagnosis and Testing).
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<b>No</b>	GO to <a href="#">K4</a>
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### K4 RECHECK THE BCM (BODY CONTROL MODULE) CMDTCS

- Using a diagnostic scan tool, clear the DTCs.
- Wait 10 seconds.
- Using a diagnostic scan tool, check the BCM (body control module) CMDTCS.

#### Is DTC (diagnostic trouble code) U0184:87 still present?

<b>Yes</b>	GO to <a href="#">K5</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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### K5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0184:87 SET IN OTHER MODULES

- Using a diagnostic scan tool, clear the DTCs.
- Ignition OFF.
- Wait 10 seconds.
- Ignition ON.
- Using a diagnostic scan tool, retrieve all CMDTCS.

#### Is DTC (diagnostic trouble code) U0184:87 set in other modules?

<b>Yes</b>	GO to <a href="#">K6</a>
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- 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 L : U0198:87

Refer to Wiring Diagrams Cell 14 for schematic and connector information.

**Normal Operation and Fault Conditions** REFER to: [Module Controlled Functions - System Operation and Component Description](#)

(419-10 Multifunction Electronic Modules, Description and Operation).

#### DTC Fault Trigger Conditions

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
BCM (body control module) U0198:87	Lost Communication With Telematic Control Module 'A': Missing Message	A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages received from the TCU (telematic control unit module) are missing.

#### Possible Sources

- Communication network concern
- Battery voltage concern
- TCU (telematic control unit module)
- BCM (body control module)

### L1 CHECK THE COMMUNICATION NETWORK