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2014 FORD Explorer OEM Service and Repair Workshop Manual

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Is the concern still present?

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 BCM (body control module) .</p> <p>REFER to: Body Control Module (BCM) (419-10 Multifunction Electronic Modules, Removal and Installation).</p>
No	<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 Q : U0212:87

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) U0212:87	Lost Communication With Steering Column Control Module: Missing Message	A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the SCCM (steering column control module) are missing.

Possible Sources

- Communication network concern
- Battery voltage concern
- SCCM (steering column control module)
- BCM (body control module)

Q1 CHECK THE COMMUNICATION NETWORK

No	GO to Q4
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Q4 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) U0212:87 still present?

Yes	GO to Q5
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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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Q5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0212:87 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) U0212:87 set in other modules?

Yes	GO to Q6
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No	GO to Q7
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Q6 CHECK FOR CORRECT SCCM (STEERING COLUMN CONTROL MODULE) OPERATION

- Ignition OFF.
- Disconnect and inspect the SCCM (steering column control module) connectors.
- Repair:
 - corrosion (install new connector or terminals - clean module pins)

FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new BCM (body control module) .

REFER to: [Body Control Module \(BCM\)](#)

(419-10 Multifunction Electronic Modules, Removal and Installation).

No

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.

PINPOINT TEST R : U0214:87

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) U0214:87	Lost Communication With Remote Function Actuation Module: Missing Message	A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the RFA (remote function actuator) module are missing.

Possible Sources

- Communication network concern
- Battery voltage concern
- RFA (remote function actuator) module
- BCM (body control module)

R1 CHECK THE COMMUNICATION NETWORK

- Ignition ON.
- Connect the diagnostic tool.
- Using a diagnostic scan tool, perform a network test.

Does the RFA (remote function actuator) module pass the network test?

- 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) U0214:87 still present?

Yes	GO to R5
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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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R5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0214:87 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) U0214:87 set in other modules?

Yes	GO to R6
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No	GO to R7
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R6 CHECK FOR CORRECT RFA (REMOTE FUNCTION ACTUATOR) MODULE OPERATION

- Ignition OFF.
- Disconnect and inspect the RFA (remote function actuator) 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 RFA (remote function actuator) 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?

PINPOINT TEST S : U0230:87

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) U0230:87	Lost Communication With Rear Gate Module: Missing Message	A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the RGTM (rear gate trunk module) are missing.

Possible Sources

- Communication network concern
- Battery voltage concern
- RGTM (rear gate trunk module)
- BCM (body control module)

S1 CHECK THE COMMUNICATION NETWORK

- Ignition ON.
- Connect the diagnostic tool.
- Using a diagnostic scan tool, perform a network test.

Does the RGTM (rear gate trunk module) pass the network test?

Yes	GO to S2
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No	REFER to: Module Controlled Functions - System Operation and Component Description (419-10 Multifunction Electronic Modules, Description and Operation).
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S2 CHECK THE BCM (BODY CONTROL MODULE) CONTINUOUS MEMORY DIAGNOSTIC TROUBLE CODES (CMDTCS)

- Using a diagnostic scan tool, clear the Diagnostic Trouble Codes (DTCs).

S5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0230:87 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) U0230:87 set in other modules?

Yes	GO to S6
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No	GO to S7
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S6 CHECK FOR CORRECT RGTM (REAR GATE TRUNK MODULE) OPERATION

- Ignition OFF.
- Disconnect and inspect the RGTM (rear gate trunk 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 RGTM (rear gate trunk 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?

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 RGTM (rear gate trunk module) .</p> <p>REFER to: Rear Gate Trunk Module (RGTM) (501-04 Pickup Bed and Platform Body, Removal and Installation).</p>
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DTC (diagnostic trouble code)	Description	Fault Trigger Condition
BCM (body control module) U0232:87	Lost Communication With Side Obstacle Detection Control Module 'A': Missing Message	A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the SODL (side obstacle detection control module LH) through the GWM (gateway module A) are missing.
BCM (body control module) U0233:87	Lost Communication With Side Obstacle Detection Control Module 'B': Missing Message	A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the SODL (side obstacle detection control module LH) through the GWM (gateway module A) are missing.

Possible Sources

- Communication network concern
- Battery voltage concern
- SODL (side obstacle detection control module LH)
- SODR (side obstacle detection control module RH)
- BCM (body control module)

T1 CHECK THE COMMUNICATION NETWORK

- Ignition ON.
- Connect the diagnostic tool.
- Using a diagnostic scan tool, perform a network test.

Does the SODL (side obstacle detection control module LH) and SODR (side obstacle detection control module RH) pass the network test?

Yes	GO to T2
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No	REFER to: Module Controlled Functions - System Operation and Component Description (419-10 Multifunction Electronic Modules, Description and Operation).
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T2 CHECK THE BCM (BODY CONTROL MODULE) CONTINUOUS MEMORY DIAGNOSTIC TROUBLE CODES (CMDTCS)

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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T5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0232:87 OR U0233:87 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) U0232:87 or U0233:87 set in other modules?

Yes	GO to T6
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No	GO to T7
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T6 CHECK FOR CORRECT SODL (SIDE OBSTACLE DETECTION CONTROL MODULE LH) AND SODR (SIDE OBSTACLE DETECTION CONTROL MODULE RH) OPERATION

- Ignition OFF.
- Disconnect and inspect the SODL (side obstacle detection control module LH) or the SODR (side obstacle detection control module RH) 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 SODL (side obstacle detection control module LH) and the SODR (side obstacle detection control module RH) connectors. Make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

Is the concern still present?

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
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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) U023A:87	Lost Communication With Image Processing Module A: Missing Message	A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages received from the IPMA (image processing module A) are missing.

Possible Sources

- Communication network concern
- Battery voltage concern
- IPMA (image processing module A)
- BCM (body control module)

U1 CHECK THE COMMUNICATION NETWORK

- Ignition ON.
- Connect the diagnostic tool.
- Using a diagnostic scan tool, perform a network test.

Does the IPMA (image processing module A) pass the network test?

Yes	GO to U2
No	REFER to: Module Controlled Functions - System Operation and Component Description (419-10 Multifunction Electronic Modules, Description and Operation).

U2 CHECK THE BCM (BODY CONTROL MODULE) CONTINUOUS MEMORY DIAGNOSTIC TROUBLE CODES (CMDTCS)

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