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2005 FORD Explorer OEM Service and Repair Workshop Manual

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| | |
|-----------|--------------------------|
| No | GO to L4 |
|-----------|--------------------------|

L4 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) U0198:87 still present?

| | |
|------------|--------------------------|
| Yes | GO to L5 |
|------------|--------------------------|

| | |
|-----------|---|
| 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. |
|-----------|---|

L5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0198:87 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) U0198:87 set in other modules?

| | |
|------------|--------------------------|
| Yes | GO to L6 |
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|-----------|--------------------------|
| No | GO to L7 |
|-----------|--------------------------|

L6 CHECK FOR CORRECT TCU (TELEMATIC CONTROL UNIT MODULE) OPERATION

- Ignition OFF.
- Disconnect and inspect all TCU (telematic control unit module) connectors.
- Repair:
 - corrosion (install new connector or terminals - clean module pins)

| | |
|-----------|--|
| 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 M : U0199:87

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) U0199:87 | Lost Communication With 'Door Control Module A': Missing Message | A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the DDM (driver door module) are missing. |

Possible Sources

- Communication network concern
- Battery voltage concern
- GWM (gateway module A) concern
- DDM (driver door module)
- BCM (body control module)

NOTE

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

M1 CHECK THE COMMUNICATION NETWORK

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

M4 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) U0199:87 still present?

| | |
|------------|--------------------------|
| Yes | GO to M5 |
|------------|--------------------------|

| | |
|-----------|---|
| 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. |
|-----------|---|

M5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0199:87 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) U0199:87 set in other modules?

| | |
|------------|--------------------------|
| Yes | GO to M6 |
|------------|--------------------------|

| | |
|-----------|--------------------------|
| No | GO to M7 |
|-----------|--------------------------|

M6 CHECK FOR CORRECT DDM (DRIVER DOOR MODULE) OPERATION

- Ignition OFF.
- Disconnect and inspect the DDM (driver door 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 DDM (driver door module) connectors. Make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

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 N : U019B: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) U019B:87 | Lost Communication With Battery Charger Control Module 'A': Missing Message | A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the BECMA (Battery Energy Control Module A) are missing. |

Possible Sources

- Communication network concern
- Battery voltage concern
- BECMA (Battery Energy Control Module A)
- BCM (body control module)

NOTE

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

N1 CHECK THE COMMUNICATION NETWORK

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

Does the BECMA (Battery Energy Control Module A) 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) U019B:87 still present?

| | |
|------------|--------------------------|
| Yes | GO to N5 |
|------------|--------------------------|

| | |
|-----------|---|
| 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. |
|-----------|---|

N5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U019B: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) U019B:87 set in other modules?

| | |
|------------|--------------------------|
| Yes | GO to N6 |
|------------|--------------------------|

| | |
|-----------|--------------------------|
| No | GO to N7 |
|-----------|--------------------------|

N6 CHECK FOR CORRECT BECMA (BATTERY ENERGY CONTROL MODULE A) OPERATION

- Ignition OFF.
- Disconnect and inspect the BECMA (Battery Energy Control Module A) 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 BECMA (Battery Energy Control Module A) connectors. Make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

Is the concern still present?

- 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?

| | |
|------------|--|
| 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 O : U0200:87

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) U0200:87 | Lost Communication With 'Door Control Module B': Missing Message | A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the PDM (passenger door module) are missing. |

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| No | GO to O3 |
|----|--------------------------|

O3 RETRIEVE THE PDM (PASSENGER DOOR MODULE) DIAGNOSTIC TROUBLE CODES (DTCS)

- Using a diagnostic scan tool, perform the PDM (passenger door module) self-test.

Are any PDM (passenger door module) DTCs recorded?

| | |
|-----|---|
| Yes | Diagnose those DTCs first. REFER to: Locks, Latches and Entry Systems (501-14 Handles, Locks, Latches and Entry Systems) |
|-----|---|

| | |
|----|--------------------------|
| No | GO to O4 |
|----|--------------------------|

O4 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) U0200:87 still present?

| | |
|-----|--------------------------|
| Yes | GO to O5 |
|-----|--------------------------|

| | |
|----|---|
| 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. |
|----|---|

O5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0200:87 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) U0200:87 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?

| | |
|------------|--|
| 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 P : U0208:87

Refer to Wiring Diagrams Cell 120for 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) U0208:87 | Lost Communication With 'Seat Control Module A': Missing Message | A continuous memory DTC (diagnostic trouble code) that sets in the BCM (body control module) if messages from the DSM (driver front seat module) are missing. |

Possible Sources

- Communication network concern
- Battery voltage concern
- DSM (driver front seat module)

P3 RETRIEVE THE DSM (DRIVER FRONT SEAT MODULE) DTCS

- Using a diagnostic scan tool, perform the DSM (driver front seat module) self-test.

Are any DSM (driver front seat module) DTCs recorded?

| | |
|------------|--|
| Yes | Diagnose those DTCs first. REFER to: Front Seats (501-10A Front Seats, Diagnosis and Testing). |
|------------|--|

| | |
|-----------|--------------------------|
| No | GO to P4 |
|-----------|--------------------------|

P4 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) U0208:87 still present?

| | |
|------------|--------------------------|
| Yes | GO to P5 |
|------------|--------------------------|

| | |
|-----------|---|
| 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. |
|-----------|---|

P5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0208:87 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) U0208:87 set in other modules?

| | |
|------------|--------------------------|
| Yes | GO to P6 |
|------------|--------------------------|