

Refer to: Module Programming (418-01 Module Configuration, General Procedures).

PDM

For the power window function, the PDM receives power window commands from the passenger door window control switch or from the DDM through the MS-CAN.

For the power mirror functions, the PDM operates as follows:

- RH exterior mirror glass position by supplying voltage and ground to the exterior mirror motors based on messages from the DDM.
- When the heated mirror function is selected, it supplies voltage and ground to the RH exterior mirror glass heating element based on messages received from the FCIM.
- When the memory mirror function is selected, it supplies the voltage and ground to the RH mirror motor and monitors the potentiometers to determine the mirror glass position. Memory mirror positions are stored in the PDM memory.

For additional information:

- Refer to: Handles, Locks, Latches and Entry Systems - Overview (501-14 Handles, Locks, Latches and Entry Systems, Description and Operation).
- Refer to: Glass, Frames and Mechanisms - Overview (501-11 Glass, Frames and Mechanisms, Description and Operation).
- Refer to: Rear View Mirrors - System Operation and Component Description (501-09 Rear View Mirrors, Description and Operation).

The PDM requires PMI when replaced.

For additional information,

Refer to: Module Programming (418-01 Module Configuration, General Procedures).

RTM

The RTM communicates all RKE and passive key information to the BCM over a LIN circuit and when awake, the CAN. The RTM is an antenna that receives the high frequency signals from passive keys. For additional information:

- Refer to: Handles, Locks, Latches and Entry Systems - Overview (501-14 Handles, Locks, Latches and Entry Systems, Description and Operation).
- Refer to: Tire Pressure Monitoring System (TPMS) - System Operation and Component Description (204-04B Tire Pressure Monitoring System (TPMS), Description and Operation).

The RTM requires PMI when replaced.

For additional information,

Refer to: Module Programming (418-01 Module Configuration, General Procedures).

Diagnosis and Testing

Body Control Module (BCM)

Diagnostic Trouble Code (DTC) Chart

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices.
REFER to: Diagnostic Methods (100-00 General Information, Description and Operation).

Diagnostic Trouble Code Chart

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
BCM	B11D9:16	Vehicle Battery: Circuit Voltage Below Threshold	GO to Pinpoint Test Y
BCM	B11D9:17	Vehicle Battery: Circuit Voltage Above Threshold	GO to Pinpoint Test AA
BCM	U0100:87	Lost Communication With ECM/PCM "A": Missing Message	GO to Pinpoint Test A
BCM	U0121:87	Lost Communication With Anti-Lock Brake System (ABS) Control Module: Missing Message	GO to Pinpoint Test B
BCM	U0131:87	Lost Communication With Power Steering Control Module: Missing Message	GO to Pinpoint Test C
BCM	U0151:87	Lost Communication With Restraints Control Module: Missing Message	GO to Pinpoint Test D
BCM	U0155:87	Lost Communication With Instrument Panel Cluster (IPC) Control Module: Missing Message	GO to Pinpoint Test E
BCM	U0166:87	Lost Communication With Auxiliary Heater Control Module: Missing Message	GO to Pinpoint Test F
BCM	U0184:87	Lost Communication With Radio: Missing Message	GO to Pinpoint Test G
BCM	U0198:87	Lost Communication With Telematic Control Module: Missing Message	GO to Pinpoint Test H
BCM	U0199:87	Lost Communication With "Door Control Module A": Missing Message	GO to Pinpoint Test I
BCM	U019B:87	Lost Communication With Battery Charger Control Module "A": Missing Message	GO to Pinpoint Test J
BCM	U0200:87	Lost Communication With "Door Control Module B": Missing Message	GO to Pinpoint Test K
BCM	U0208:87	Lost Communication With "Seat Control Module A": Missing Message	GO to Pinpoint Test L
BCM	U0212:87	Lost Communication With Steering Column Control Module: Missing Message	GO to Pinpoint Test M
BCM	U0232:87	Lost Communication With Side Obstacle Detection Control Module "A": Missing Message	GO to Pinpoint Test N
BCM	U0233:87	Lost Communication With Side Obstacle Detection Control Module "B": Missing Message	GO to Pinpoint Test O
BCM	U023A:87	Lost Communication With Image Processing Control Module A: Missing Message	GO to Pinpoint Test P
BCM	U0252:87	Lost Communication With Lighting Control Module_Rear "B": Missing Message	GO to Pinpoint Test Q
BCM	U0253:87	Lost Communication With Accessory Protocol Interface Module: Missing Message	GO to Pinpoint Test R
BCM	U0256:87	Lost Communication With Front Controls Interface Module "A": Missing Message	GO to Pinpoint Test S
BCM	U0293:87	Lost Communication With Hybrid/EV Powertrain Control Module "A": Missing Message	GO to Pinpoint Test T
BCM	U1000:00	Solid State Driver Protection Active: Driver Disabled: No Sub Type Information	GO to Pinpoint Test U