

Body Control Module (BCM)

Removal

NOTE: Removal steps in this procedure may contain installation details.

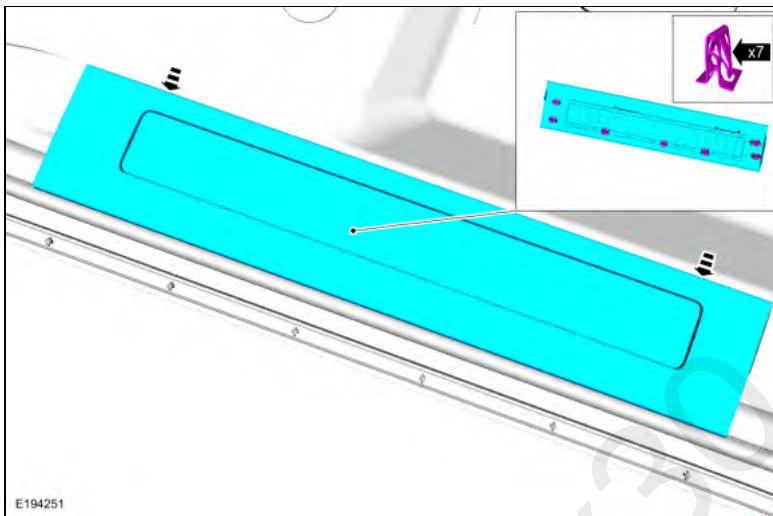
1. If installing a new BCM, connect a battery charger to the battery to make sure it is charged to maintain proper battery voltage.
Refer to: Battery Charging (414-01 Battery, Mounting and Cables, General Procedures).
2. **NOTE:** If the BCM did not respond to the diagnostic scan tool, As-Built Data may need to be entered as part of the repair. This step is only necessary if the BCM is being replaced

Using a diagnostic scan tool, begin the PMI process for the BCM following the on-screen instructions.

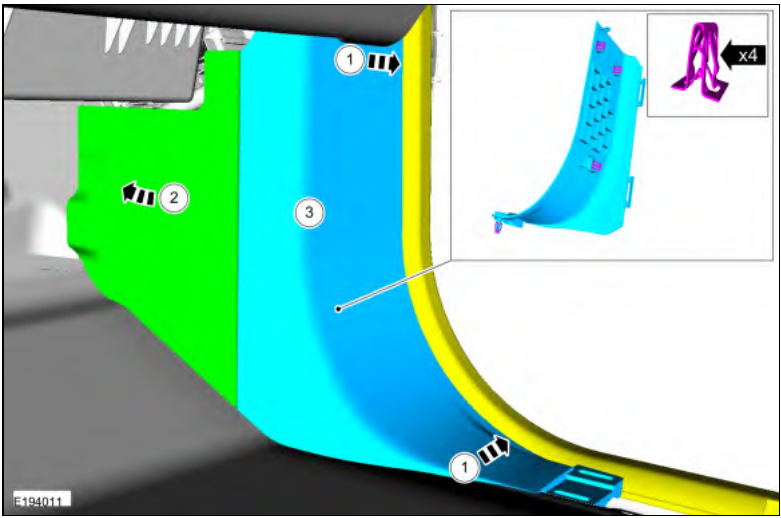
3. **NOTE:** If equipped, the PAM is integral to the BCM. This step is only necessary if the BCM is being replaced.

Using a diagnostic scan tool, begin the PMI process for the PAM following the on-screen instructions.

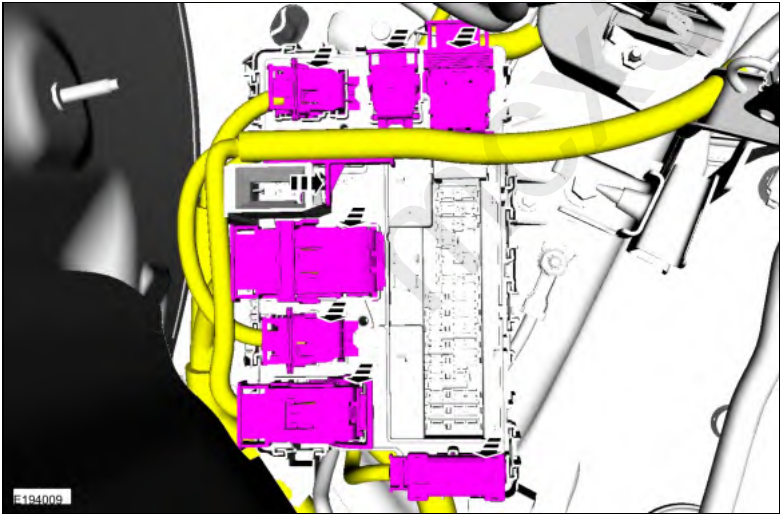
4. Release the clips and remove the RH side front scuff plate.



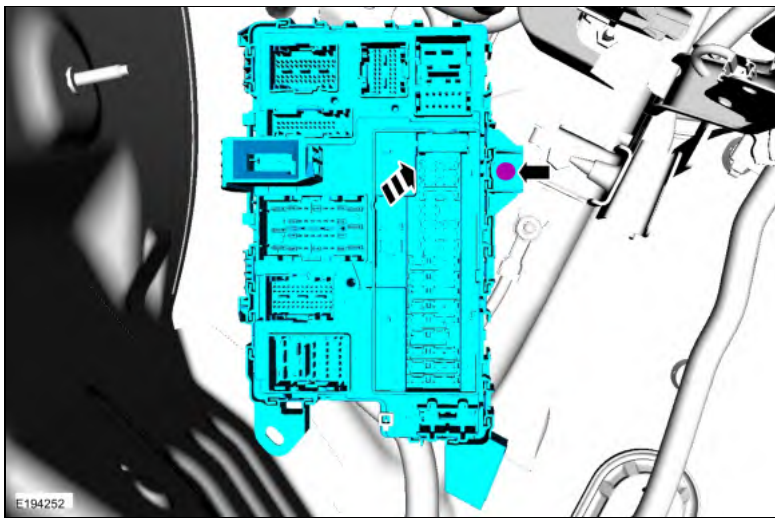
5.
 1. Position aside the weather strip.
 2. Remove the BCM access cover.
 3. Release the 4 clips and remove the RH side lower cowl trim panel.



6. Disconnect the electrical connectors.
- Release the harness retainer.



7. Remove the bolt and the BCM.



Installation

1. **NOTE:** If installing a new BCM, the ignition cannot be turned on until 2 keys are programmed to the vehicle. The BCM still communicates with the diagnostic scan tool with the ignition off. If necessary, use the previous diagnostic scan tool session or start a diagnostic scan tool session using the PCM part number or tear tag number located on the PCM.

NOTE: If installing a new BCM, verify at least 2 of the vehicle keys are available prior to carrying out this procedure.

To install, reverse the removal procedure.

2. **NOTE:** Some replacement BCM may be in transport or factory mode. Follow the steps to deactivate transport or factory mode.

Deactivate transport or factory mode in the BCM.

Refer to: Transport Mode Deactivation (419-10 Multifunction Electronic Modules, General Procedures).

Refer to: Factory Mode Deactivation (419-10 Multifunction Electronic Modules, General Procedures).

NOTE: Carry out the remaining steps only if installing a new BCM.

3. **NOTE:** A diagnostic scan tool should **not** be used to program keys for this specific step.
 - Place the first key in the ignition lock cylinder or the backup starting location.
Refer to: Passive Anti-Theft System (PATS) - System Operation and Component Description (419-01C Passive Anti-Theft System (PATS) - Vehicles With: Keyless Vehicle System, Description and Operation).
 - Turn the ignition lock cylinder to the RUN position or press the START/STOP button and wait approximately 6 seconds.
 - Turn the ignition lock cylinder to the OFF position or press the START/STOP button and remove the first key.
 - Place the second key in the ignition lock cylinder or the backup starting location.
 - Turn the ignition lock cylinder to the RUN position or press the START/STOP button.
4. Carry out the parameter reset.
Refer to: Anti-Theft Key Programming - Scan Tool (419-01B Passive Anti-Theft System (PATS), General Procedures).
Refer to: Anti-Theft Key Programming - Scan Tool (419-01C Passive Anti-Theft System (PATS) - Vehicles With: Keyless Vehicle System, General Procedures).
5. Using a diagnostic scan tool, complete the PMI process for the BCM following the on-screen instructions.
6. Using a diagnostic scan tool, carry out the Configuration Engine Immobilizer (CEI) configuration following the on-screen instructions (Toolbox > Body > Service Functions > CEI Lock Configuration).
7. If the vehicle is equipped with a BMS, using a diagnostic scan tool, carry out the BMS reset following the on-screen instructions (Toolbox > Body > BMS Reset).
8. **NOTE:** This step does not apply to vehicles equipped with 360 degree camera view.

If equipped with video rear parking aid, using a diagnostic scan tool, carry out the new module initialization following the on-screen instructions (Toolbox > Electrical > Service Functions > LIN New Module Initialization).
9. Configure the customer preference programmable parameters.
Refer to: Module Programming (418-01 Module Configuration, General Procedures).
10. Train the tire pressure sensors.
Refer to: Tire Pressure Monitoring System (TPMS) Sensor Location Calibration (204-04B Tire Pressure Monitoring System (TPMS), General Procedures).
11. Carry out the BCM self-test (must include an on-demand self-test) and then repeat the self-test to confirm all DTC have been cleared.
12. If equipped with a PAM, using a diagnostic scan tool, complete the PMI process for the PAM following the on-screen instructions.

