

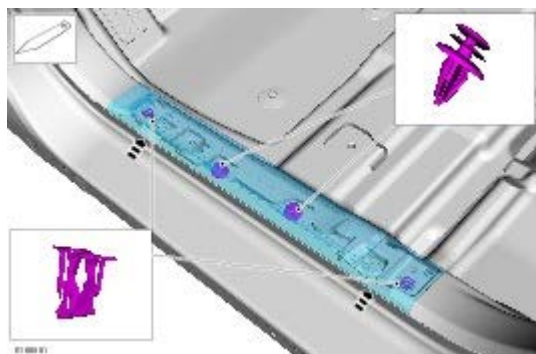
Removal and Installation

Removal

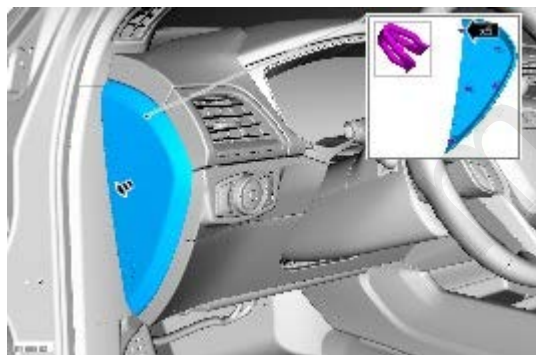
NOTE: Removal steps in this procedure may contain installation details.

1. **NOTE:** If the **BCM (body control module)** 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 (programmable module installation)** process for the **BCM** following the on-screen instructions.
2. **NOTE:** The **PAM (parking assist control module)** 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.
3. Refer to: **Battery Disconnect and Connect** (414-01 Battery, Mounting and Cables, General Procedures).

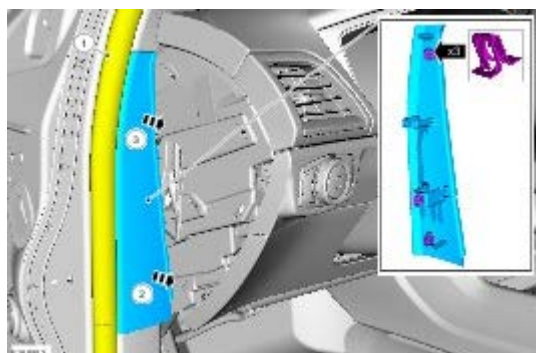
4.



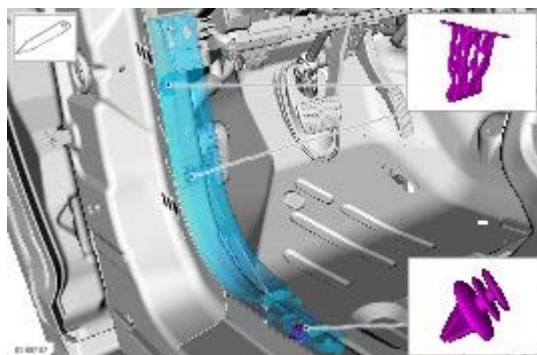
5.



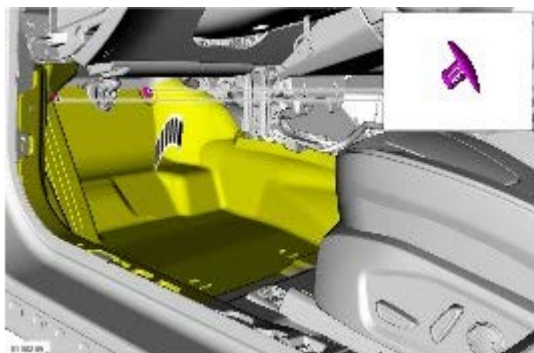
6.



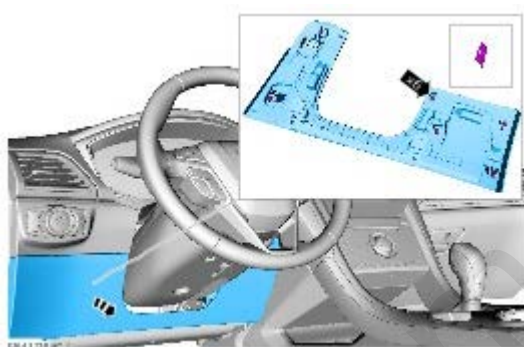
7.



8.



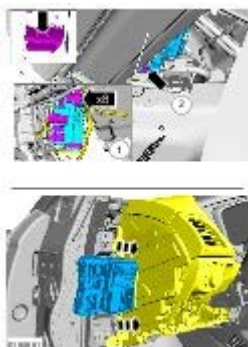
9.



10. Torque: 5 Nm



11. Torque: 5 Nm



Installation

1. **NOTE:** If installing a new BCM on vehicles equipped with push button start, 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 (powertrain control module) 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.

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

2. **NOTE:** A diagnostic scan tool should **not** be used to program keys for this specific step.

Program the keys.

- Place the first 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 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.

3. Carry out the parameter reset.

Refer to: [Passive Anti-Theft System \(PATS\) Transceiver](#) (419-01C Passive Anti-Theft System (PATS), Removal and Installation).

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

5. Using a diagnostic scan tool, carry out the Configuration Engine Immobilizer (CEI) configuration following the on-screen instructions.

6. Using a diagnostic scan tool, carry out the battery monitor sensor reset following the on-screen instructions.

7. **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.

8. Configure the customer preference programmable parameters.

Refer to: [Module Configuration](#) (418-01 Module Configuration, Description and Operation).

9. Train the tire pressure sensors.

Refer to: [Tire Pressure Monitoring System \(TPMS\) Sensor Location Calibration](#) (204-04B Tire Pressure Monitoring System (TPMS), General Procedures).

10. Carry out the BCM self-test (must include an on-demand self-test) and then repeat the self-test to confirm all DTC (diagnostic trouble code) have been cleared.

11. **NOTE:** This step applies only to Fusion Energy.

Carry out the PCM Keep Alive Memory (KAM) reset following the scan tool on screen instructions.

12. Using a diagnostic scan tool, complete the [PMI](#) process for the [PAM](#) following the on-screen instructions.

mcx30.com