

Body Control Module (BCM)

Removal

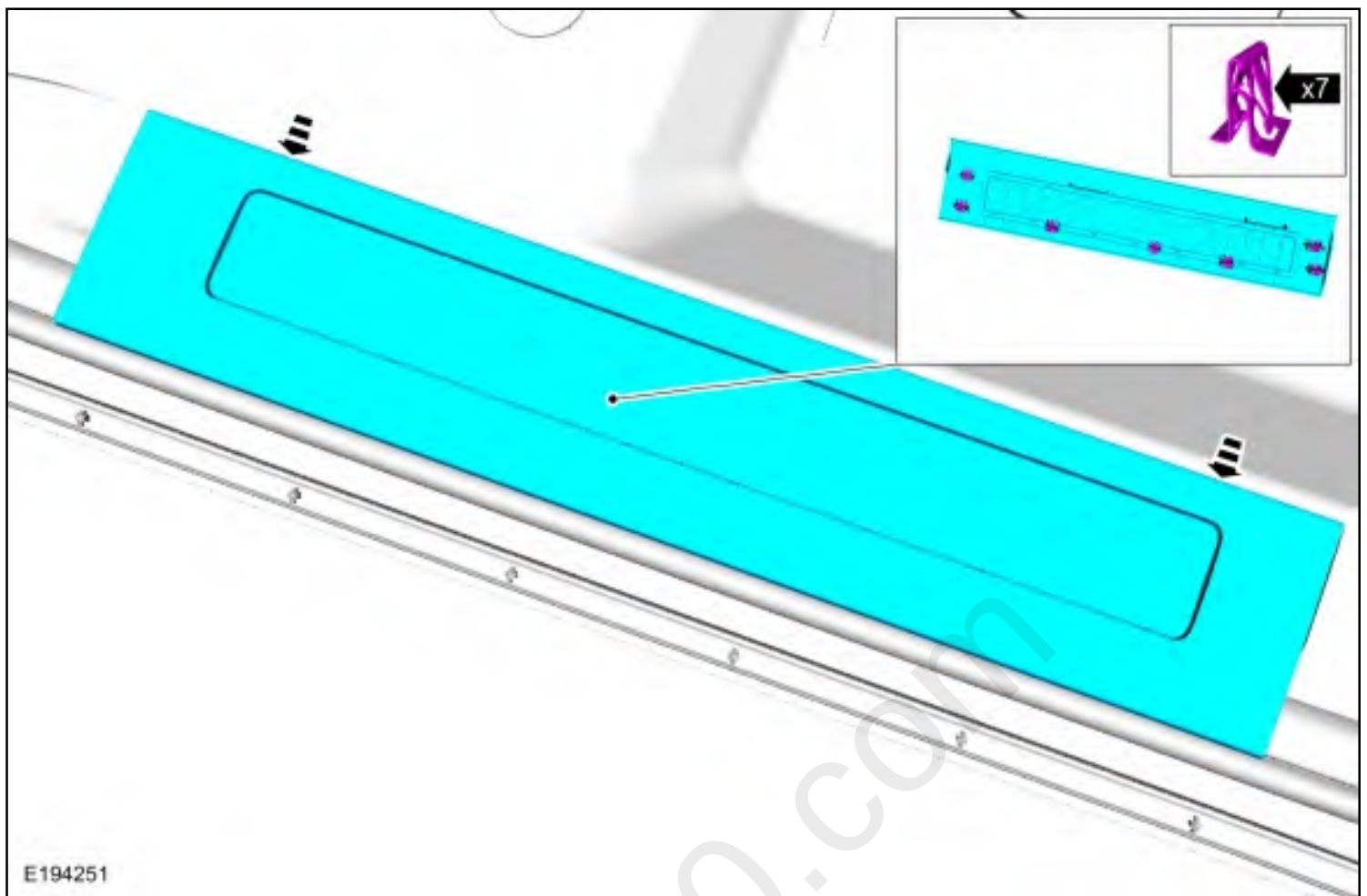
NOTE: Removal steps in this procedure may contain installation details.

1. **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

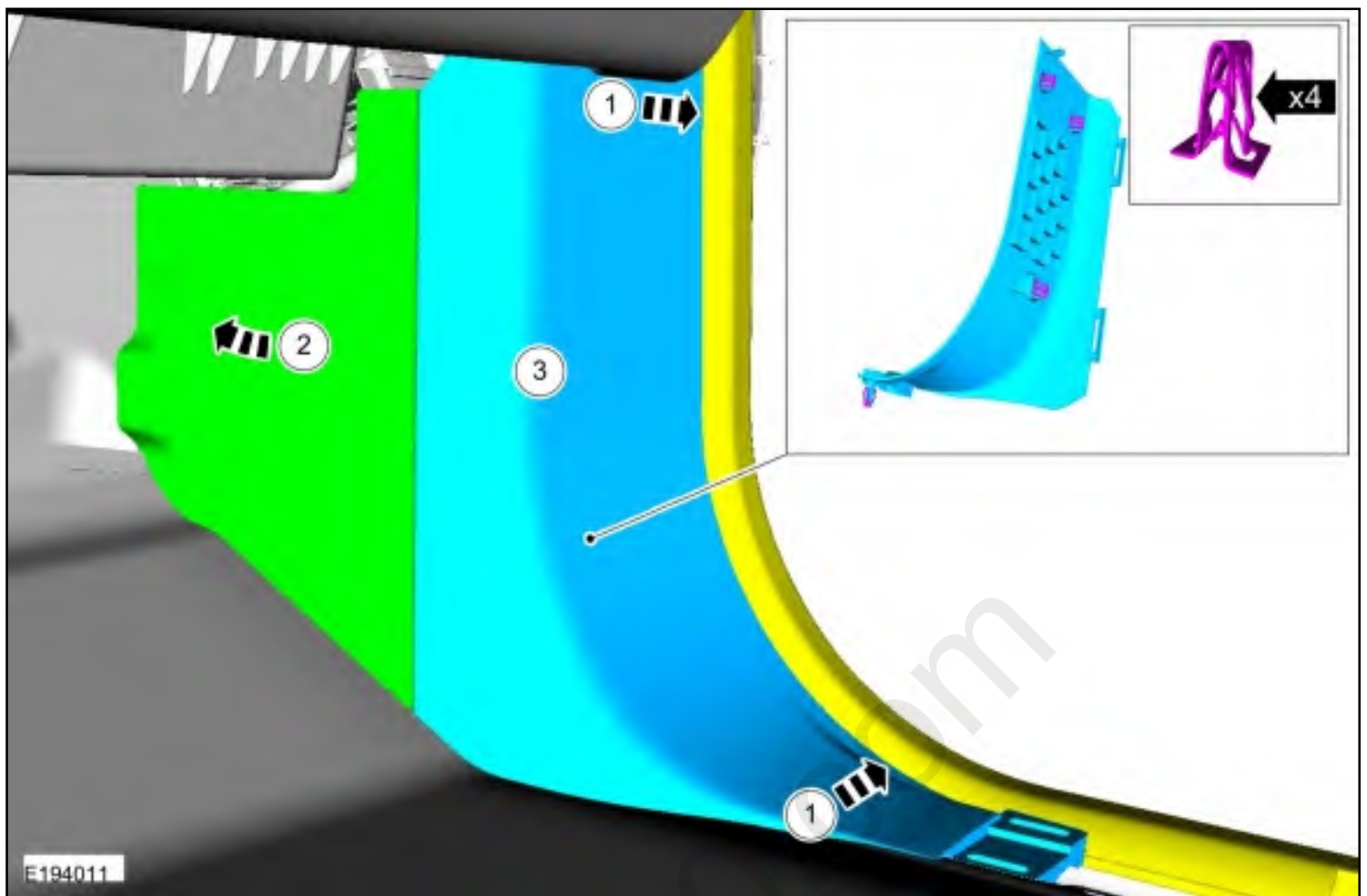
NOTE: If equipped, the PAM is integral to the BCM. This step is only necessary if the BCM is being replaced.

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

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



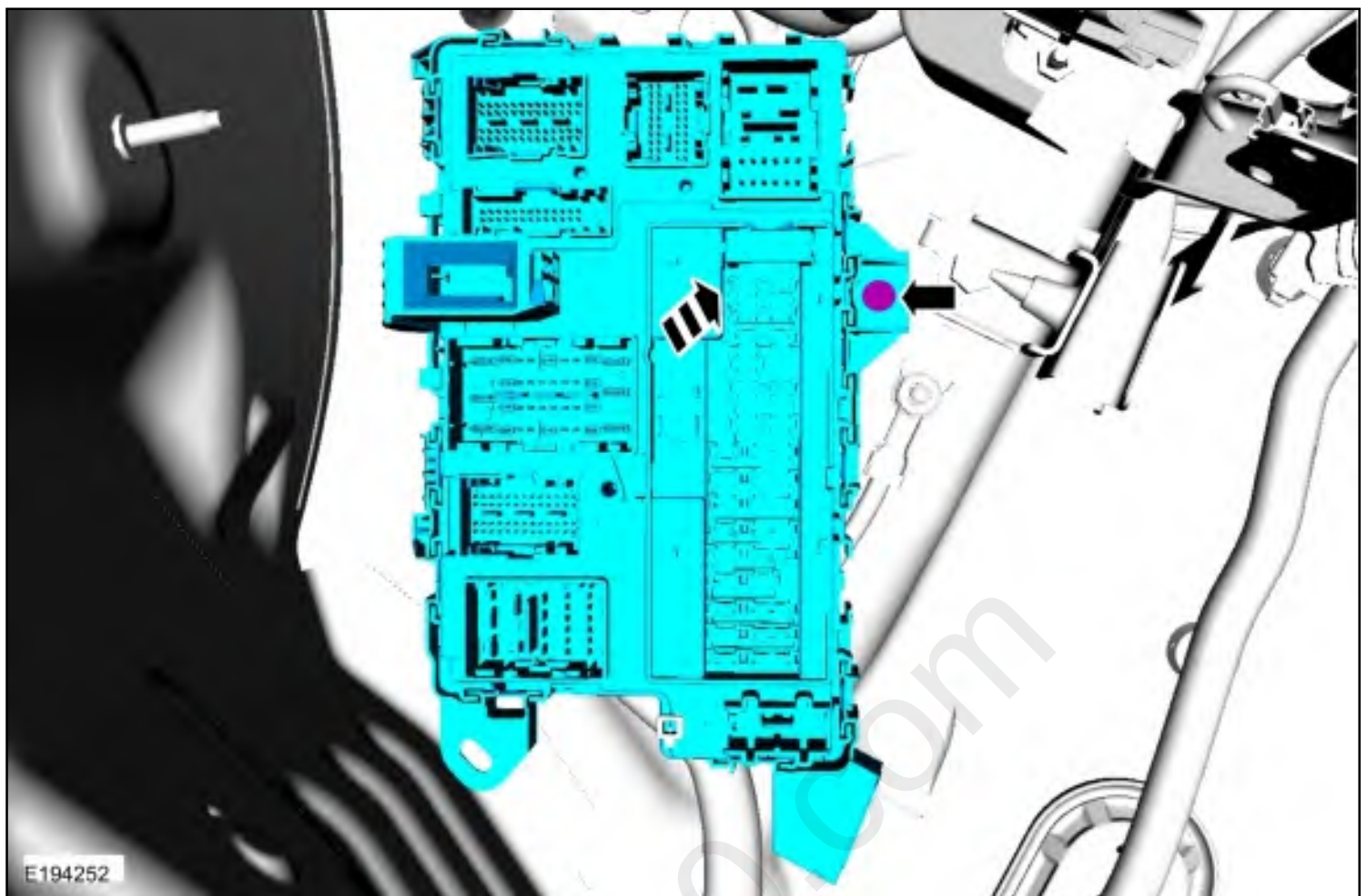
1. Position aside the weather strip.
2. Remove the BCM access cover.
3. Release the 4 clips and remove the RH side lower cowl trim panel.



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



5. 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.

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.
Refer to: [Passive Anti-Theft System \(PATS\) - Component Location](#) (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.

3. Carry out the parameter reset.

Refer to: [Anti-Theft Security Access and Key Programming - Scan Tool](#) (419-01C Passive Anti-Theft System (PATS) - Vehicles With: Keyless Vehicle System, General Procedures).

Refer to: [Anti-Theft Security Access and Key Programming - Scan Tool](#) (419-01C Passive Anti-Theft System (PATS) - Vehicles With: Keyless Vehicle System, General Procedures).

4. **NOTE:** *While programing the BCM, if a message is received "the configuration has failed, would you like to try again", cycle the ignition to ON a second time and select yes in the checked box to continue the PMI process.*

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 (Toolbox > Body > Service Functions > CEI Lock Configuration).
6. Using a diagnostic scan tool, carry out the battery monitor sensor reset following the on-screen instructions (Toolbox > Body > BMS Reset).
7. **NOTE:** *This step does not apply to vehicles equipped with 360 degree camera view or pro trailer backup assist.*

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).

8. Configure the customer preference programmable parameters.

Refer to: [Module Configuration - System Operation and Component Description](#) (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 have been cleared.

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

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