

Powertrain Control Module (PCM)

Removal

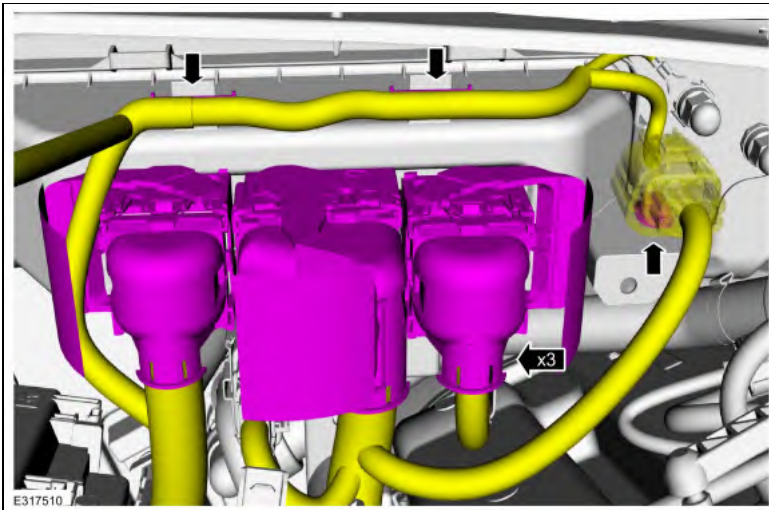
NOTE: Removal steps in this procedure may contain installation details.

1. **NOTE:** This step is only necessary when installing a new component.

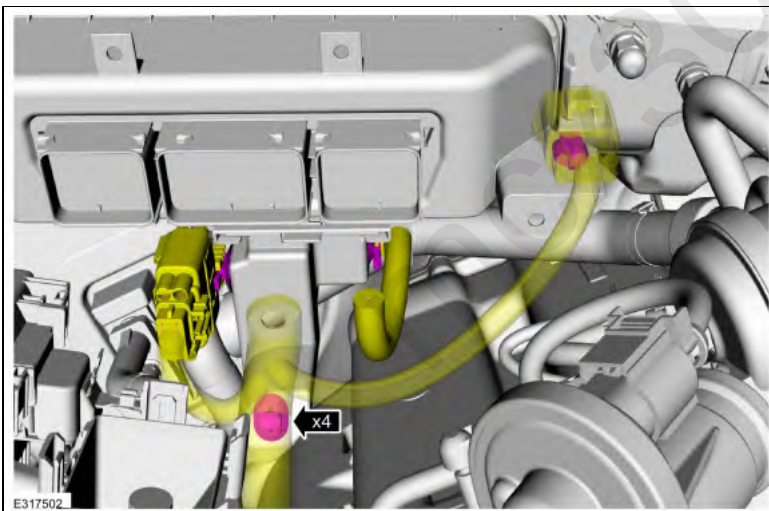
Download the module information to the diagnostic tool using the Programmable Modules Installation routine.

Refer to: Module Configuration - System Operation and Component Description (418-01 Module Configuration, Description and Operation).

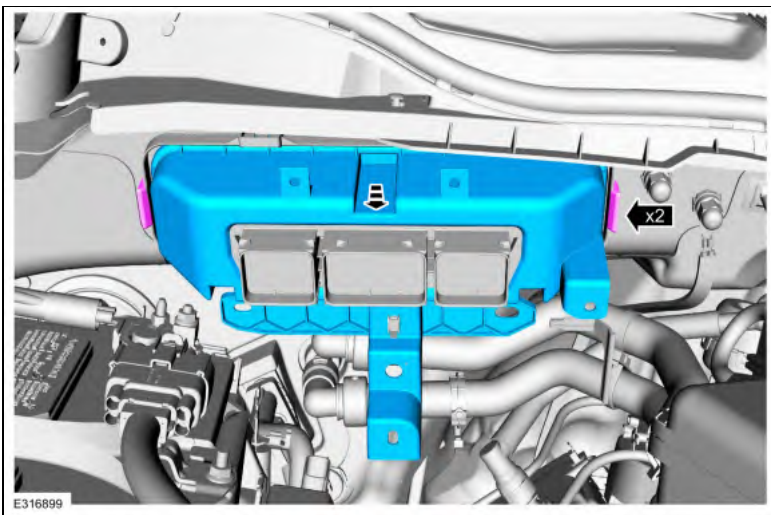
2. Disconnect the PCM electrical connectors and pushpin retainers from the bracket..



3. Remove pushpins and position harness aside.

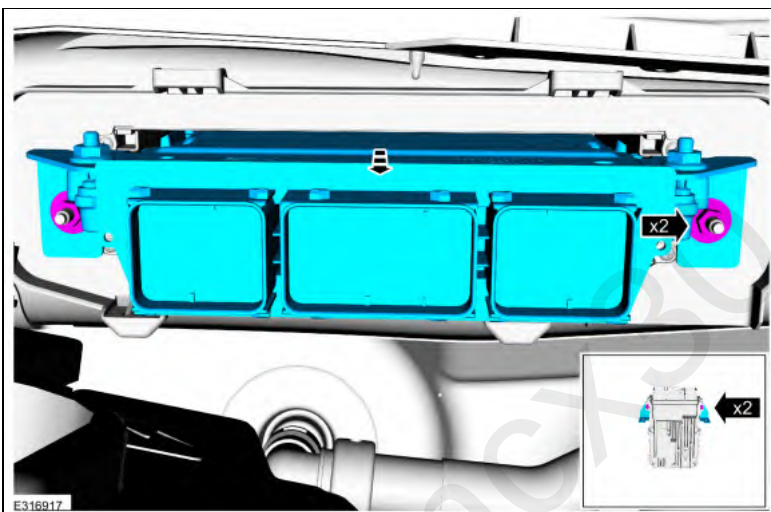


4. Release the tabs and remove the PCM cover.



5.

- Remove the nuts and the PCM.
Torque: 89 lb.in (10 Nm)
- Remove the mounting bracket from the PCM.
Torque: 62 lb.in (7 Nm)



Installation

1. To install, reverse the removal procedure.
2. **NOTE:** This step is only necessary when installing a new component.

NOTE: If the Programmable Module Installation (PMI) procedure was not successful in downloading the data from the vehicles original PCM, then the oil life data of the vehicle is lost. If this occurs, and the oil life cannot be determined through service history or customer interview, it is recommended the vehicle engine oil and filter be changed and the oil change minder reset. Restore the module configuration. Carry out the module configuration restore steps of the Programmable Module Installation (PMI) procedure. For additional information,

NOTE: If the Body Control Module (BCM) or the PCM (or both) is being replaced, the parameters must be reset in both modules or the vehicle will experience a Passive Anti-Theft System (PATS) no start. This will occur even if the vehicle is not equipped with PATS.

Upload the module information from the diagnostic tool using the Programmable Modules Installation routine.
Refer to: Module Programming (418-01 Module Configuration, General Procedures).

3. **NOTE:** This step is only necessary when installing a new component.

Carry out the Parameter Reset procedure.
Refer to: Anti-Theft Key Programming - Scan Tool (419-01B Passive Anti-Theft System (PATS), General Procedures).

