

Fuel Charging and Controls - TD4 2.2L Diesel - Throttle Body

Removal and Installation

Removal

1. Remove the cover and disconnect the battery ground cable.

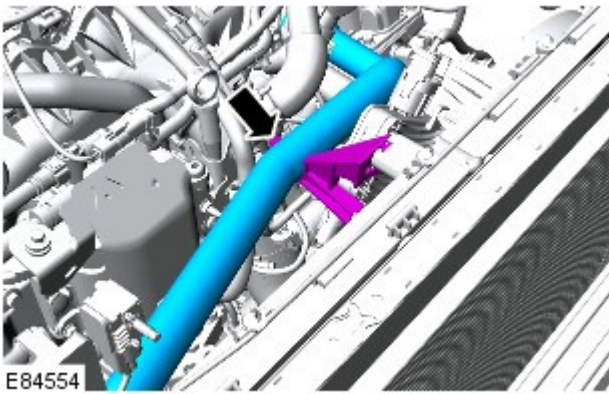
Refer to: [Specifications](#) (414-00 Battery and Charging System - General Information, Specifications).

2. Remove the engine cover.

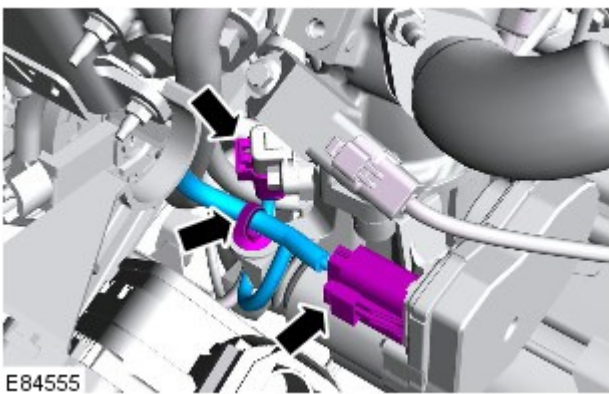
Refer to: [Engine Cover - TD4 2.2L Diesel](#) (501-05 Interior Trim and Ornammentation, Removal and Installation).

3. Remove the manifold absolute pressure (MAP) sensor.

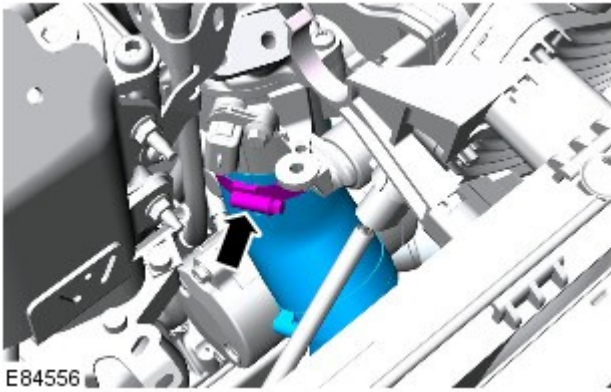
Refer to: [Manifold Absolute Pressure \(MAP\) Sensor](#) (303-14B Electronic Engine Controls - TD4 2.2L Diesel, Removal and Installation).



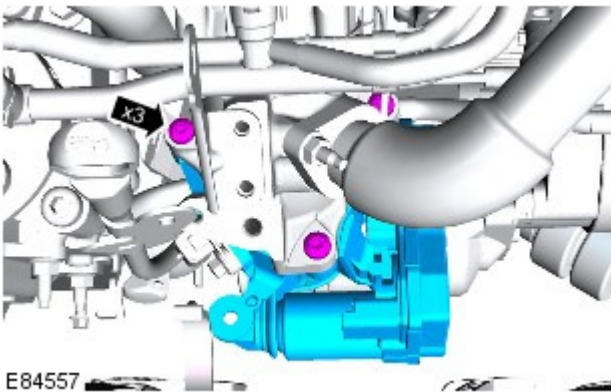
- 4.





- 5.

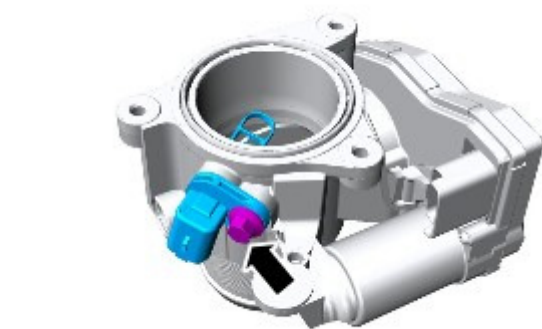



6.  CAUTION: Make sure that all openings are sealed.




7. **7. CAUTIONS:**

-  The seal is to be reused unless damaged.
-  Make sure that all openings are sealed.




8.  CAUTION: The seal is to be reused unless damaged.
 - NOTE: Do not disassemble further if the component is removed for access only.

Installation


1.  CAUTION: Make sure that the mating faces are clean and free of foreign material.

Install the air temperature sensor.

2.  CAUTION: Make sure that the mating faces are clean and free of foreign material.

Install the throttle body and tighten the screws evenly.

Torque: 9 Nm

3.  CAUTION: Make sure that the mating faces are clean and free of foreign material.

Connect the intake hose and secure with the clip.

4. Connect the electrical connectors.
5. Secure the coolant top hose.
6. Install the MAP sensor.

Refer to: [Manifold Absolute Pressure \(MAP\) Sensor](#) (303-14B Electronic Engine Controls - TD4 2.2L Diesel, Removal and Installation).

7. Install the engine cover.

Refer to: [Engine Cover - TD4 2.2L Diesel](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

8. Connect the battery ground cable and install the cover.

Refer to: [Specifications](#) (414-00 Battery and Charging System - General Information, Specifications).