

Intake Air Shutoff Throttle (19.70.32)

Removal

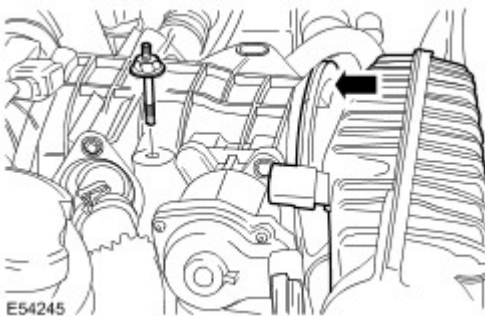
1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Remove the engine cover. For additional information, refer to [Engine Cover - 2.7L Diesel \(12.30.50\)](#) (Section 501-05)
3. Disconnect the three electrical connectors.
▶ Release the fuel return line valve.



4. Remove the intake air shutoff throttle elbow retaining bolt.



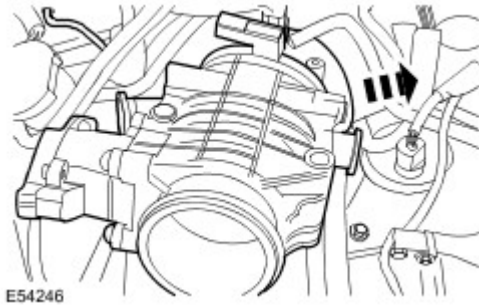
5. Release the intake air shutoff throttle elbow.
▶ Remove the intake air shutoff throttle retaining stud.



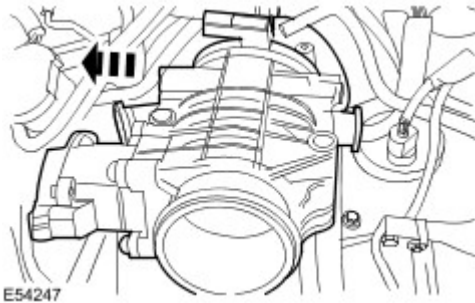
- 6.

Remove the LH EGR valve outlet tube. For additional information, refer to [Exhaust Gas Recirculation \(EGR\) Valve Outlet Tube \(17.45.18\)](#) (Section 303-08)

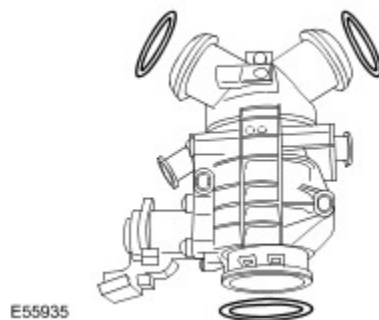
7. Remove the RH EGR valve outlet tube. For additional information, refer to [Exhaust Gas Recirculation \(EGR\) Valve Outlet Tube \(17.45.18\)](#) (Section 303-08)
8. Reposition the intake air shutoff throttle.



9. Remove the intake air shutoff throttle.





10. Remove and discard the O-ring seals.



Installation

1. Install new O-ring seals.
2. Install the intake air shutoff throttle.
3. Align the intake air shutoff throttle.
4. Install the RH EGR valve outlet tube. For additional information, refer to [Exhaust Gas Recirculation](#)

[\(EGR\) Valve Outlet Tube \(17.45.18\)](#) (Section 303-08)

- 5 . Install the LH EGR valve outlet tube. For additional information, refer to [Exhaust Gas Recirculation \(EGR\) Valve Outlet Tube \(17.45.18\)](#) (Section 303-08)
- 6 . Secure the intake air shutoff throttle elbow.
 -  Tighten the intake air shutoff throttle retaining stud to 10 Nm (7 lb.ft).
- 7 . Tighten the intake air shutoff throttle elbow retaining bolt to 10 Nm (7 lb.ft).
- 8 . Connect the three electrical connectors.
 -  Secure the fuel line return valve.
- 9 . Install the engine cover. For additional information, refer to [Engine Cover - 2.7L Diesel \(12.30.50\)](#) (Section 501-05)
- 10 . Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)