



## Exhaust Gas Recirculation (EGR) Modulator Valve (17.45.04)

### Removal

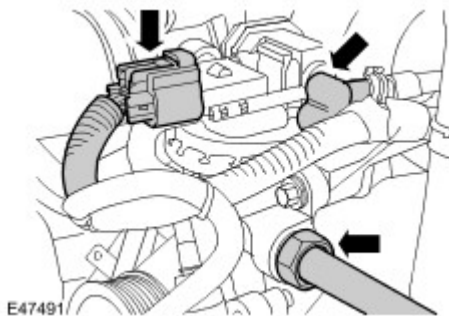
1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Remove the engine cover. For additional information, refer to [Engine Cover - 4.0L \(12.30.50\)](#) (Section 501-05)
3. Disconnect the EGR valve electrical connector.
4. Disconnect the EGR valve vacuum hose.



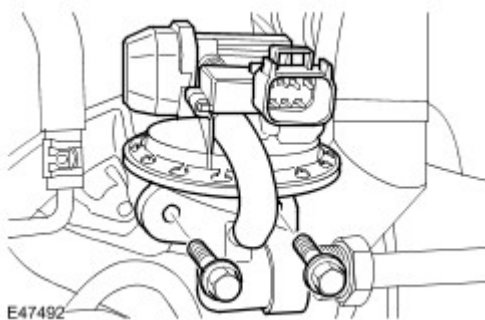
**CAUTION:** Before the disconnection or removal of any components, ensure the area around joint faces and connections are clean. Plug any open connections to prevent contamination.

Disconnect the EGR valve feed pipe.

- ▶ Loosen the EGR union nut and release the pipe.



6. Remove the EGR valve.
  - ▶ Remove the 2 bolts.
  - ▶ Collect and discard the gasket.



### Installation

- 1.

Install the EGR valve.

- Clean the component mating faces.
- Install a new gasket.
- Tighten the bolts to 25 Nm (18 lb.ft).

- 2 .        Connect the feed pipe to the EGR valve.
  - Tighten the union to 25 Nm (18 lb.ft).
- 3 .        Connect the vacuum hose to the EGR valve.
- 4 .        Connect the EGR valve electrical connector.
- 5 .        Install the engine cover. For additional information, refer to [Engine Cover - 4.0L \(12.30.50\)](#) (Section 501-05)
- 6 .        Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)