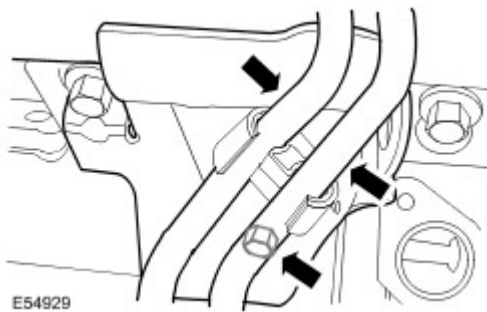




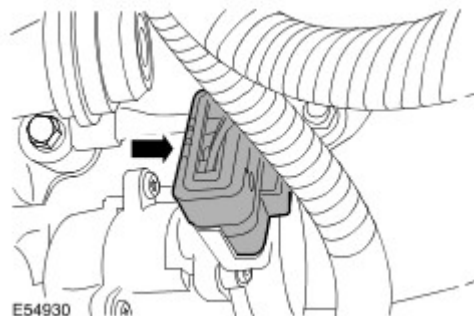
## Exhaust Gas Recirculation (EGR) Valve RH (17.45.17)

### Removal

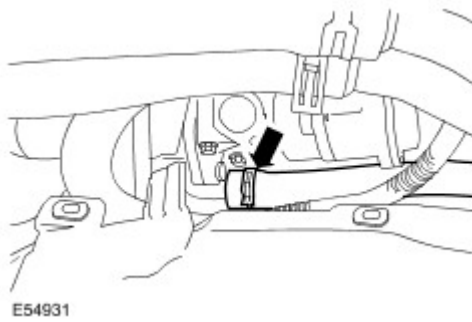
1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Drain the cooling system. For additional information, refer to [Cooling System Draining, Filling and Bleeding \(26.10.01\)](#) (Section 303-03)
3. Remove the auxiliary battery tray. For additional information, refer to [Auxiliary Battery Tray \(76.10.31\)](#) (Section 414-01)
4. 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)
5. Remove the fuel line securing bracket.
  - ▶ Release the fuel lines.
  - ▶ Remove the fuel line securing bracket retaining bolt.



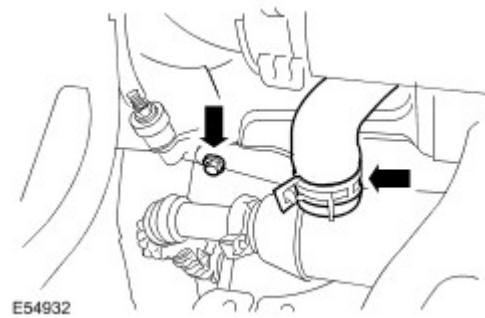
6. Disconnect the EGR valve electrical connector.



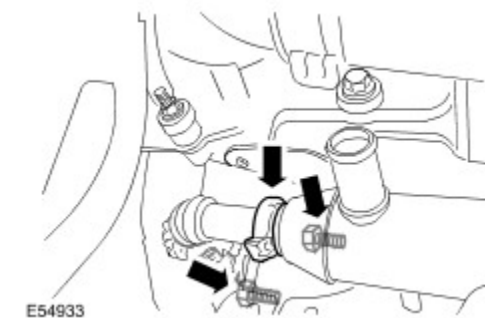
7. Disconnect the coolant inlet hose from the EGR valve.
  - ▶ Release the clip.




8. Remove the EGR valve retaining bolt.
9. Disconnect the coolant outlet hose from the EGR valve.
  - ▶ Release the clip.



10. Remove the EGR valve inlet tube.
  - ▶ Release the clip.
  - ▶ Remove the two EGR valve inlet tube retaining bolts.
  - ▶ Remove and discard the gasket.
  - ▶ Remove and discard the retaining clip.

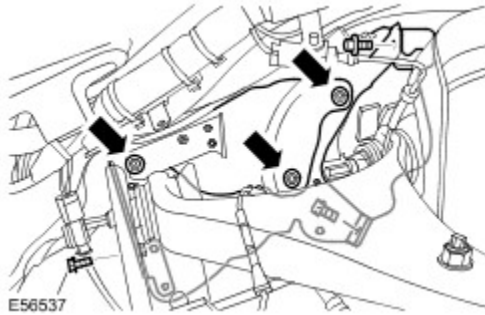


11.  **WARNING:** Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.

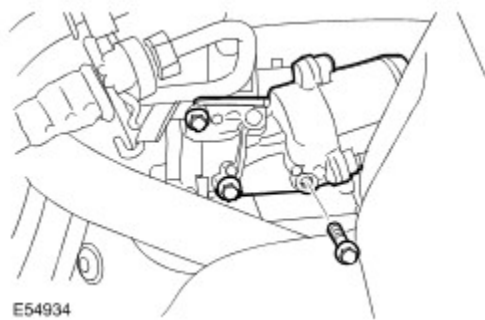
Raise and support the vehicle.

12. Remove the RH front wheel and tire.

13. Remove the upper suspension arm and brake line heat shields for access.





14. Remove the EGR valve.  
▶ Remove the three retaining bolts.



## Installation

1. Install the EGR valve.  
▶ Install the three EGR valve retaining bolts, but do not fully tighten at this stage.
2. **NOTE :**  
Do not fully close the retaining clip at this stage.  
Install the EGR valve inlet tube.  
▶ Install a new retaining clip.  
▶ Loosely install the two EGR valve inlet tube retaining bolts.  
▶ Install a new gasket.
3. Fully close the retaining clip.
4. Tighten the two EGR valve inlet tube retaining bolts to 10 Nm (7 lb.ft).
5. Tighten the three EGR valve retaining bolts to 10 Nm (7 lb.ft).
6. Install the upper suspension arm and brake line heat shields.
7. Install the wheel and tire.
- 8.

Tighten the EGR valve retaining bolt to 10 Nm (7 lb.ft).

- 9 . Connect the coolant outlet hose to the EGR valve.
- 10 . Connect the coolant inlet hose to the EGR valve.
- 11 . Connect the EGR valve electrical connector.
- 12 . Install the fuel line retaining bracket.
  -  Install the fuel line retaining bracket retaining bolt and tighten to 10 Nm (7 lb.ft).
  -  Secure the fuel lines.
- 13 . 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)
- 14 . Install the auxiliary battery tray. For additional information, refer to [Auxiliary Battery Tray \(76.10.31\)](#) (Section 414-01)
- 15 . Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
- 16 . Refill and bleed the cooling system. For additional information, refer to [Cooling System Draining, Filling and Bleeding \(26.10.01\)](#) (Section 303-03)