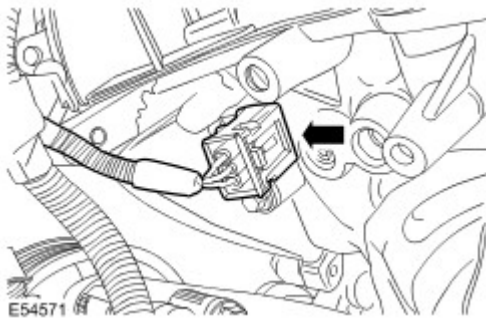


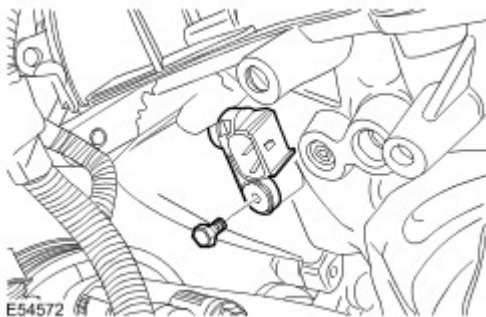
## Camshaft Position (CMP) Sensor (18.30.24)

### Removal

1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Remove the LH exhaust gas recirculation (EGR) valve. For additional information, refer to [Exhaust Gas Recirculation \(EGR\) Valve LH \(17.45.16\)](#) (Section 303-08)
3. Disconnect the CMP sensor electrical connector.

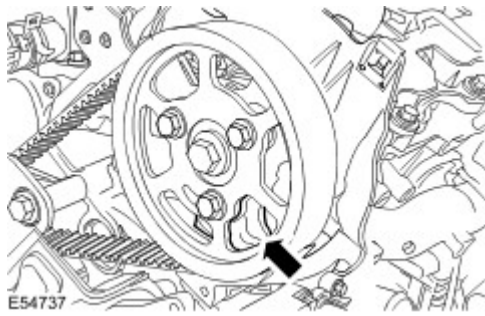


4. Remove and discard the CMP sensor.
  - ▶ Remove the CMP sensor retaining bolt.



### Installation

1. **NOTE :**
  - Only turn the engine in the normal direction of rotation.
  - Turn the engine until one of the three webs on the back of the camshaft pulley is visible through the CMP sensor housing.
  - ▶ Timing belt cover shown removed for clarity.
  - ▶ Use a mirror, to view the webs on the camshaft pulley through the CMP sensor locating hole.

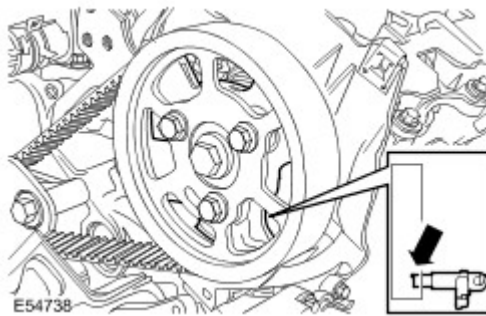


2.



**CAUTION:** The Camshaft position (CMP) sensor tip must rest on one of the three webs on the back of the camshaft pulley. Incorrect installation may result in the CMP sensor being damaged.

Install a new CMP sensor



3.

Install the retaining bolt.



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

4.

Connect the CMP sensor electrical connector.

5.

Install the LH EGR valve. For additional information, refer to [Exhaust Gas Recirculation \(EGR\) Valve LH \(17.45.16\)](#) (Section 303-08)

6.

Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)