

Oil Filter Housing


Special Service Tools



Wrench, Oil filter
303-752

Removal

- 1 . Remove the cover and disconnect the battery ground cable.
For additional information, refer to Specifications

- 2  **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.

- 3 . Remove the engine undershield.
For additional information, refer to Air Deflector (76.11.41)

- 4 . Disconnect the engine oil temperature sensor electrical connector.



- 5 . Disconnect the engine oil pressure (EOP) sensor electrical connector.



6 . NOTE:

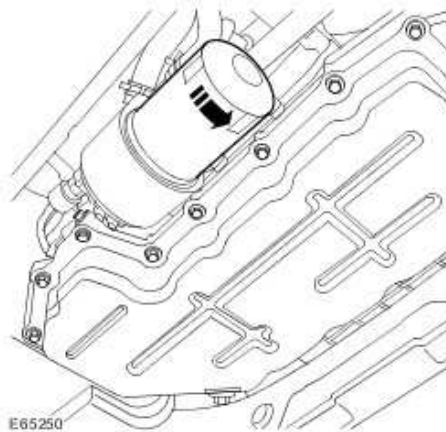
Some oil spillage is inevitable during this operation.

NOTE:

Clean the components general area prior to dismantling.

Remove the oil filter.

▶ Position a container to collect the fluid.



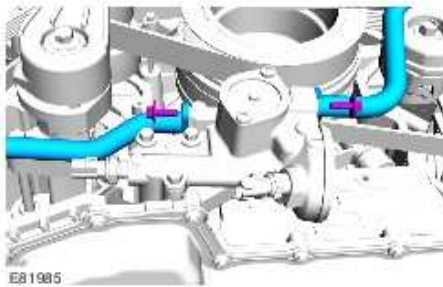
7



CAUTION: Before disconnecting or removing components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

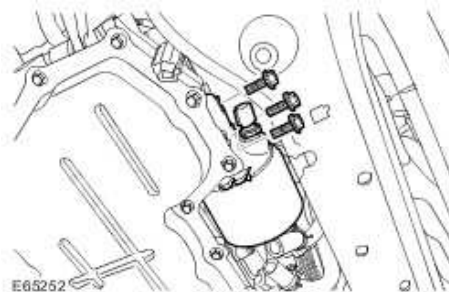
Disconnect the 2 engine oil cooler lines.

- ▶ Remove the 2 bolts.
- ▶ Remove and discard the 2 O-ring seals.



8 . Remove the oil filter housing.

- ▶ Remove the 3 bolts.
- ▶ Remove and discard the O-ring seal.



9 . **NOTE:**

Do not disassemble further if the component is removed for access only.

Remove the engine oil temperature sensor.

10 . Remove the EOP sensor.



Installation

1 . Install the EOP sensor.

- ▶ Clean the components.
- ▶ Apply sealant of the correct specification to the sensor thread.
- ▶ Tighten the sensor to 15 Nm (11 lb.ft).

2 . Install the engine oil temperature sensor.

- ▶ Clean the components.
- ▶ Apply sealant of the correct specification to the sensor thread.
- ▶ Tighten the sensor to 15 Nm (11 lb.ft).

3 . Install the oil filter housing.

- ▶ Clean the component mating faces.
- ▶ Install a new O-ring seal.
- ▶ Tighten the bolts to 20 Nm (15 lb.ft).

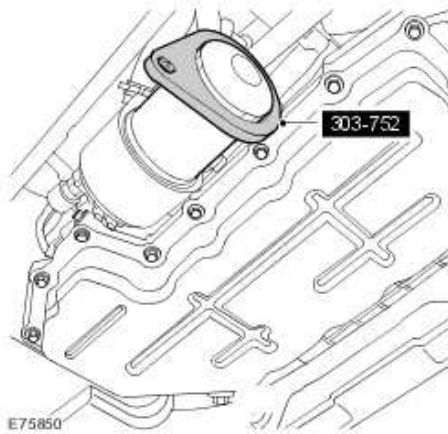
4 . Connect the engine oil cooler lines.

- ▶ Clean the component mating faces.

- ▶ Install new O-ring seals.
- ▶ Tighten the bolts to 7 Nm (5 lb.ft).

5 Using the special tool, install the oil filter.

- ▶ Lubricate the oil filter seal with clean engine oil and tighten to 18 Nm (13 lb.ft).



6 . Connect the EOP sensor electrical connector.

7 . Connect the engine oil temperature sensor electrical connector.

8 . Install the engine undershield.

For additional information, refer to Air Deflector (76.11.41)

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

For additional information, refer to Specifications

10 . Check and top-up the engine oil.