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Engine - 4.0L (12.90.09.01)

Special Service Tools



Oil pressure testing adaptor, 303-1166



Oil pressure testing gauge, 303-871

Principles of Operation

Inspection and Verification

- 1 . Verify the customer concern.
- 2 . Visually inspect for obvious signs of mechanical or electrical damage.
- 3 . If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step

Engine oil pressure check - 4.0l

NOTE :

Prior to checking the engine oil pressure, a road test of 6 miles (10 kilometres), must be carried out. Do not attempt to attain engine normal operating temperature by allowing the engine to idle.

- 1 . Disconnect the battery ground cable.

[Specifications](#)

- 2 .



WARNING : The spilling of hot engine oil is unavoidable during this procedure, care must be taken to prevent scalding.



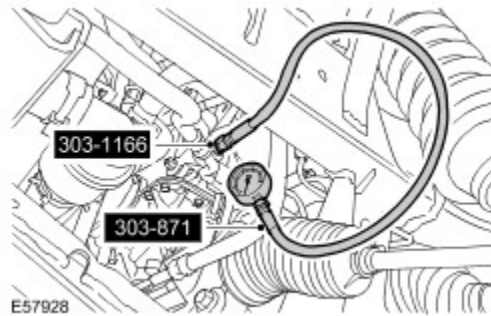
WARNING : Wear protective gloves.

Remove the engine oil pressure sensor.

[Engine Oil Pressure \(EOP\) Sensor \(12.60.50\)](#)

3 . Install the special tool.

4 . Install the special tool gauge and tighten the union.



5 . Check and top-up the engine oil if required.

6 . Connect the battery ground cable.

[Specifications](#)

7 . Start and run the engine.

8 . Note the oil pressure readings with the engine running at idle and 3500 RPM.

[Specifications](#)

9 . Turn off the engine.

10 . Disconnect the battery ground cable.

11 . Remove the special tools.



Clean the components.

12 . Install the oil pressure sensor.

[Engine Oil Pressure \(EOP\) Sensor \(12.60.50\)](#)

13 . Check and top-up the engine oil if required.

14 . Connect the battery ground cable.