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Engine - 4.4L (12.90.09.01)

Special Service Tools



Oil pressure testing adaptor, 303-1166



Oil pressure testing gauge, 303-871

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

Oil Pressure check - 4.4l

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.
- 2 .



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



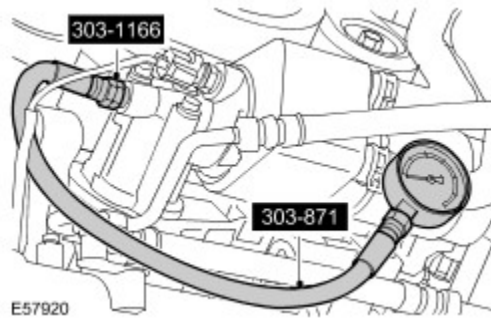
WARNING : Wear protective gloves.

Remove the oil pressure sensor.

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

- 3 . Install the special tool to the oil filter housing.

- 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.
- 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.