

Oil Pressure and Oil Pressure Switch, Checking

Special tools and workshop equipment required

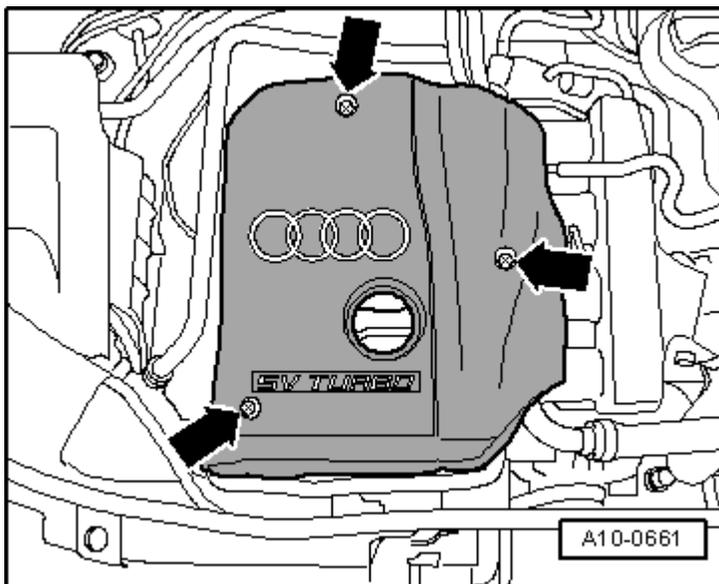
- t Oil Pressure Gauge -V.A.G 1342- with adapter -V.A.G 1342/14-
- t Voltage Tester -V.A.G 1527 B-
- t Connector Test Set -V.A.G 1594 C-

Test Conditions

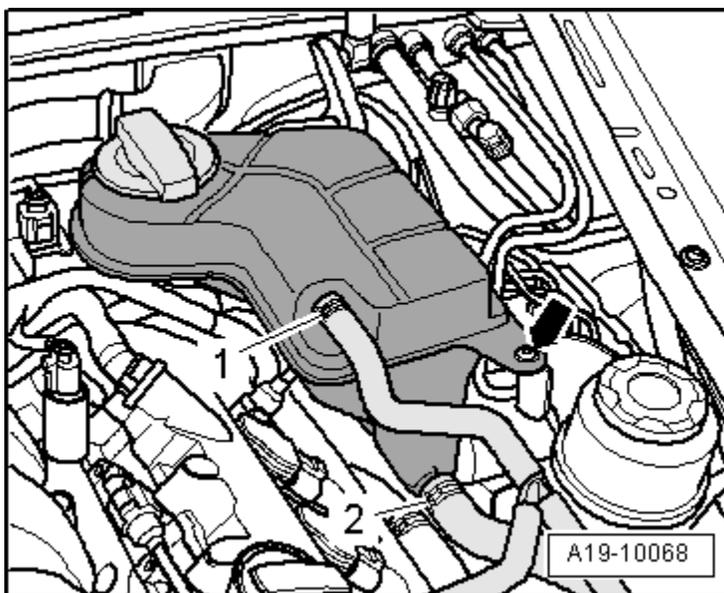
- l Oil level OK
- l Engine oil temperature approximately 90 °C (radiator fan must start up once).

Test Sequence

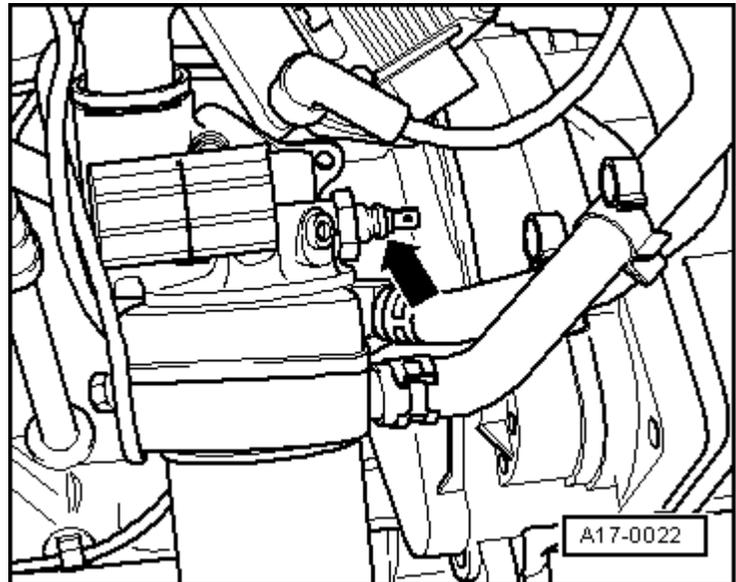
- Open the quick-release fasteners -arrows- and remove the engine cover.



- Remove coolant expansion tank -arrow-.
- Disconnect electrical wire from Engine Coolant Level (ECL) Warning Switch -F66- at bottom of coolant reservoir and set aside coolant reservoir with coolant hoses -1- and -2- connected.
- Disconnect electrical harness connector from Oil Pressure Switch -F1-.



- Remove Oil Pressure Switch -F1--arrow-.



- Connect Oil Pressure Gauge -V.A.G 1342- with adapter -V.A.G 1342/14- to hole for oil pressure switch.
- Screw oil pressure switch -2- into Oil Pressure Gauge -V.A.G 1342-.
- Place the brown wire of oil pressure gauge on Ground (GND).

Oil Pressure Switch, Checking

- Connect Voltage Tester -V.A.G 1527 B--1- with adapter cables from Connector Test Kit -V.A.G 1594 C- to oil pressure switch and battery positive.

! LED must not light up.

If LED lights up:

- Replace Oil Pressure Switch.
- Start engine.

Note

While starting the engine, watch Pressure Tester and LED as oil pressure switch may open during start.

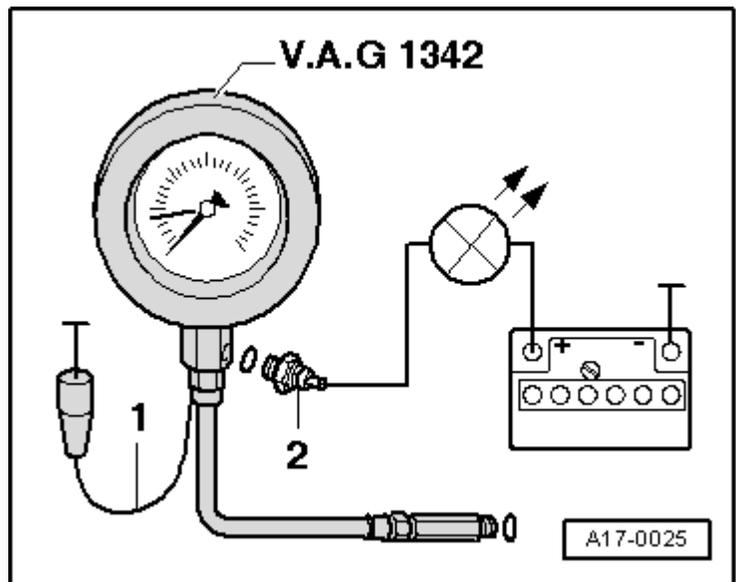
! At 1.2 to 1.6 bar pressure, the LED must light up.

If LED does not light up:

- Replace Oil Pressure Switch.

Oil Pressure, Checking

- Start engine.



- | Oil pressure at 2000 RPM: Min. 1.3 bar.
- | Oil pressure at 3500 RPM: Min. 3.5 to 4.5 bar.

If the specifications are not obtained: Check-valve or oil pump malfunctioning.

Assembling

Assembly is in reverse order of removal, note the following:



Note

Replace sealing ring when installing oil pressure switch.

Tightening Specifications

Component	Nm
Oil pressure switch to oil filter housing	20