

54-254 Testing electrical oil pressure gauge

Test values

Pressure (bar)	Resistance (ohm)
0	approx. 10
1	approx. 69
2	approx. 129
3	approx. 184

Resistance values of pressure transmitter in dependence of prevailing pressure.

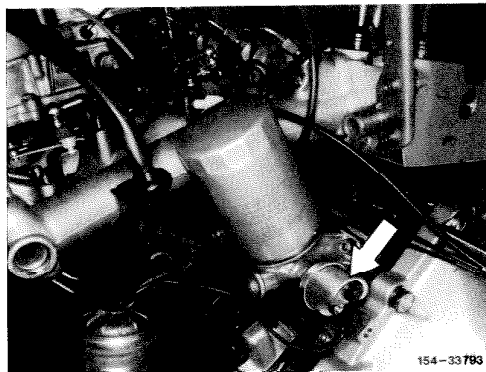
Note

The oil pressure gauge is electrically controlled.

A pressure transmitter located in oil filter activates the indicator in instrument cluster.

With the ignition switched on, the indicator in instrument cluster is continuously connected to positive current. Negative is connected to indicator via pressure transmitter. With increasing pressure, the ohmic resistance of pressure transmitter increases and the read-out is thereby changed.

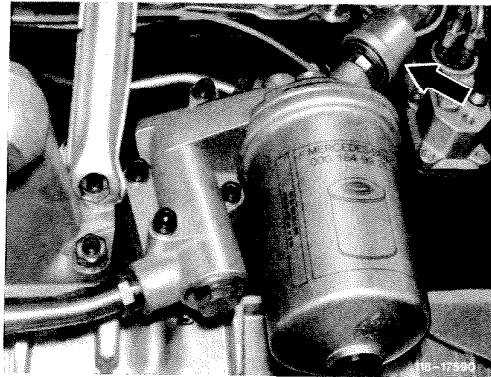
If no oil pressure is indicated, the following checkup can be made for diagnosis „transmitter, line or indicator defective“.



Layout of pressure transmitter on engine 103

54-254 Testing electrical oil pressure gauge

Layout of pressure transmitter for engine 110

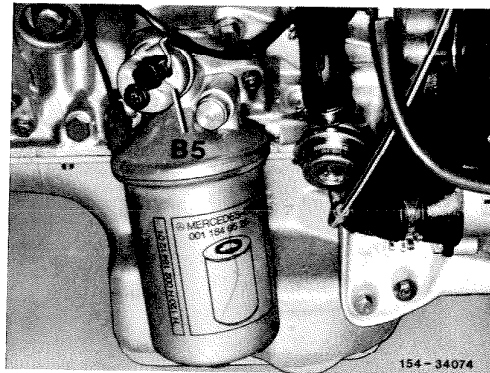


Testing

1 Switch on ignition, pull electric connection from transmitter (1-pole coupler Fig., arrow).

Indicated nominal value 3 bar.

Layout of pressure transmitter for engine 116/117



2 If readout is still 0 bar, test line from transmitter to indicator for ground connection. If line is in order, renew indicator.

3 If, with the ignition switched on and the engine stopped, the indicator shows continuously 3 bar, pull line from transmitter and connect with negative.

If readout is 0 bar, renew transmitter.

If readout remains at 3 bar, the line is interrupted.