

P18 - 5116 - 55

A1	Instrument panel	S2/1	Ignition starter switch
a	Microprocessor (base plate)	S43	Oil level sensor
e12	Oil level indicator lamp	X27	Plug connection, starter harness
F1	Fuse and relay box		

When dealing with the following complaints:

- A: When key in position "2", indicator lamp (e12) does not light up.
- B: When engine oil at "max." level and engine running, indicator lamp (e12) shows a steady light.
- C: When engine oil at "max." level and engine running, indicator lamp (e12) lights up intermittently.

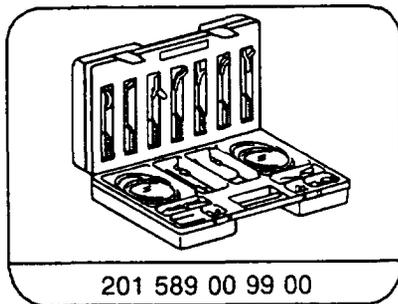
Test data

Resistance of oil level sensor at "max." oil level	< 0.10 Ω
Resistance of oil level sensor at "min." oil level	> 20 k Ω

Test condition

Engine oil temperature	> 60 °C
Battery voltage	12 V

Special tool

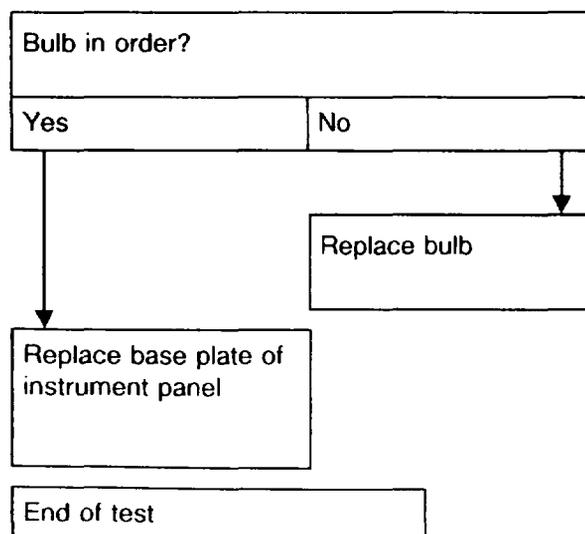


Commercially available tools and testers

Designation	eg. Make, Order no.
Multimeter	eg. Sun DMM-5

Test when dealing with complaint "A"

Indicator lamp (e12) does not light up when key in position "2" (requirement: voltage supply to instrument panel exists).



Test when dealing with complaint "B"

When engine oil at "max." level and engine running, indicator lamp (e12) shows a steady light.

Test oil level sensor

Unplug connector from oil level sensor (S43). With multimeter, test pin of plug connection to ground.

Readout: $< 0.10 \Omega$

Yes	No
-----	----

Replace oil level sensor (18-3300).

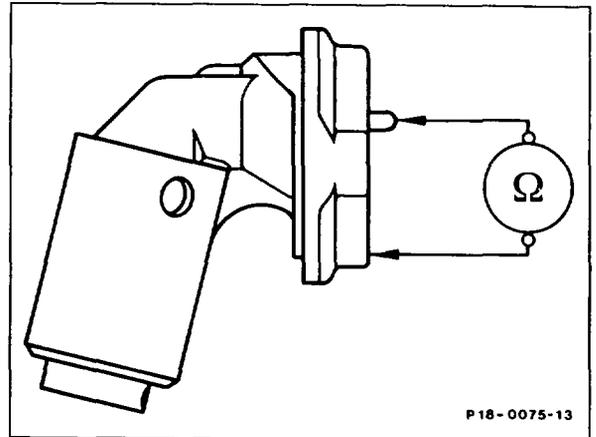
Plug in connector of oil level sensor, test cable with oil level sensor to plug connection (X27). To do this, unplug connector of plug connection (X27) and test pin 3 of plug connection to ground with multimeter.

Readout: $< 0.10 \Omega$

Yes	No
-----	----

Open circuit in starter wiring harness.

Replace base plate of instrument panel or open circuit in wiring harness to base plate.



Test when dealing with complaint "C"

Indicator lamp (e12) lights up intermittently when engine running and oil at correct level.

