With complaints such as: A. Control lamp stays on with running engine and correct oil level.

- B. Control lamp does not light up in key position "2".
- C. Control lamp fails to light up with running engine, oil temperature > 60 $^{\circ}$ C and oil level below ,,min".

Test values

Resistance with oil level max	< 0.10 Ω
Resistance with oil level min	Ω
Battery voltage	approx. 12 V

Conventional tool

Multimeter	e.g. Sun, DMM-5

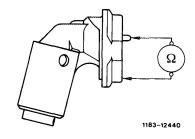
Note

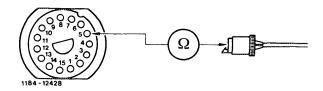
The oil level control lamp lights up with ignition switched on (control function) and goes out as soon as the engine runs.

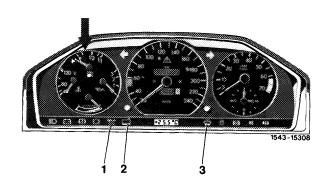
During the control function the oil level control lamp lights up dimly and during faults brightly.

A. Control lamp stays on with running engine and correct oil level

Check oil level transmitter Remove coupling. With multimeter, check plug connection against ground. Display: $< 0.10 \Omega$ Yes No Renew oil level transmitter. Check line from the plug connection to the instrument cluster, for this purpose remove instrument cluster. With ohmmeter, check resistance between socket 4 of 15-pole coupling and the disconnected socket plug connection (coupling). Display: $< 0.10 \Omega$ Yes No Renew harness. Renew cluster unit (arrow) in instrument cluster.



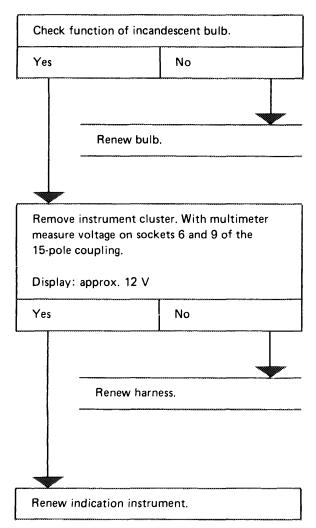


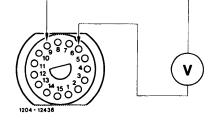


End of test

B. Control lamp does not light up in key position

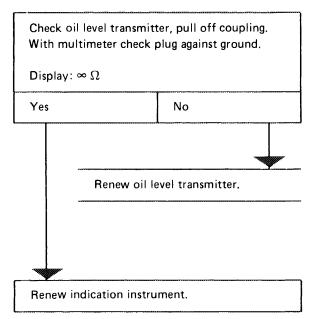
"2" (control function)

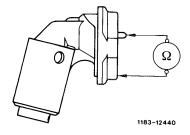




End of test

C. Control lamp fails to light up with running engine, oil temperature > 60 $^{\rm O}$ C and oil level below "min", control function section "B" okay





End of test