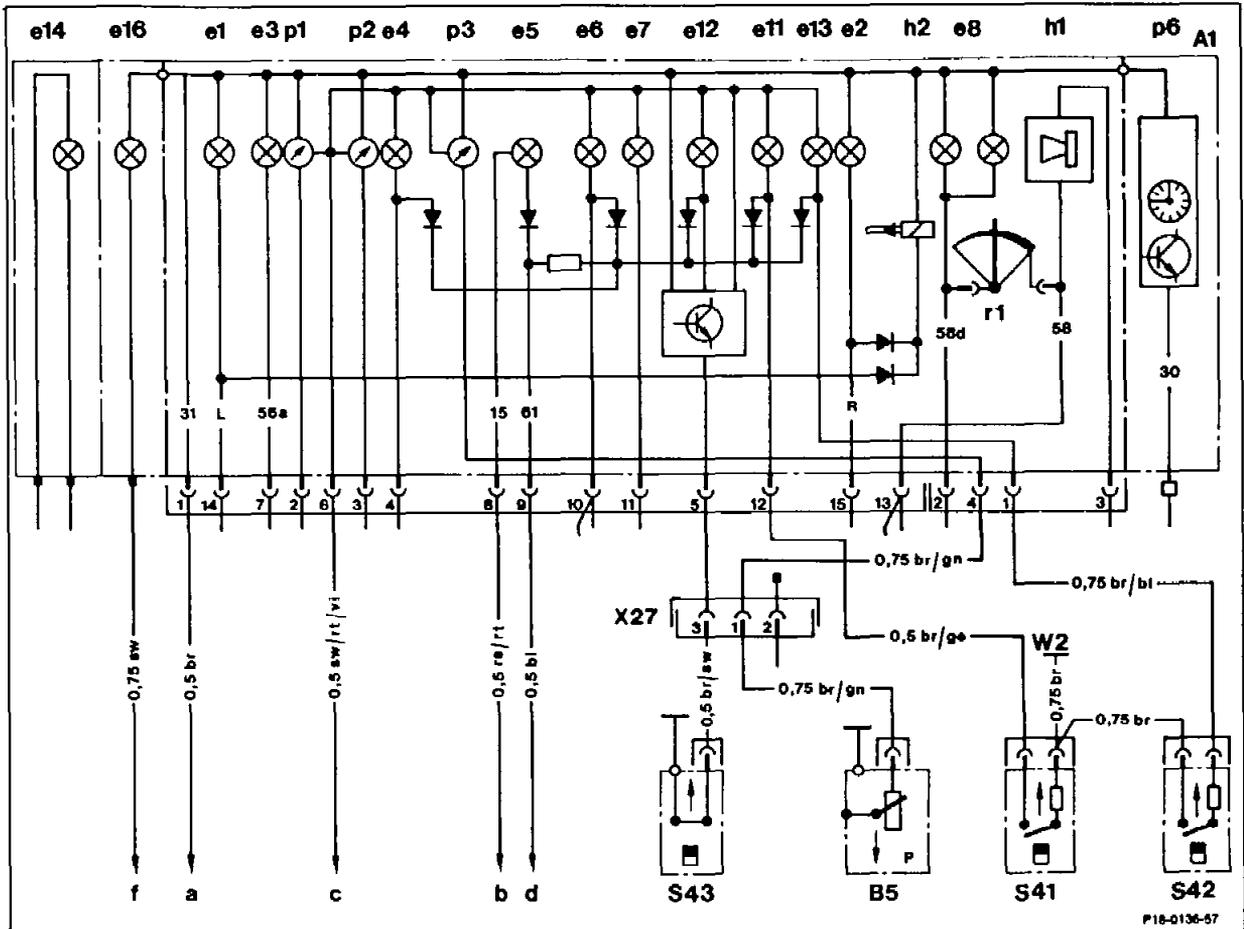


Model 124



Wiring diagram of engine oil level indicator, coolant level indicator, windscreen washer level indicator (see Wiring Diagrams Volume 3 and Volume 4 for further information)

- | | | | |
|-----|--|-----|---|
| A1 | Instrument cluster | B5 | Oil pressure sensor |
| e1 | Left turnsignal indicator | S41 | Coolant level indicator lamp switch |
| e2 | Right turnsignal indicator | S42 | Windscreen washer level indicator lamp switch |
| e3 | High beam indicator | S43 | Oil level indicator lamp switch |
| e4 | Fuel reserve warning lamp | W2 | Ground, front right next to lamp unit |
| e5 | Battery charge indicator | X27 | Plug connector, starter harness |
| e6 | Brake pad wear indicator lamp | a | Main ground behind instrument cluster W1 |
| e7 | Brake fluid and parking brake indicator lamp | b | Fuse 7 terminal 15 |
| e8 | Instrument lighting | c | Fuse 5 terminal 15 |
| e11 | Coolant level indicator lamp | d | Lamp monitor unit |
| e12 | Oil level indicator lamp | f | Preglow time relay terminal La |
| e13 | Windscreen; washer level indicator lamp | | |
| e14 | Bulb failure indicator lamp | | |
| e16 | Preglow indicator lamp | | |
| h1 | Warning buzzer | | |
| p1 | Coolant temperature indicator | | |
| p2 | Fuel gauge | | |
| p3 | Oil pressure gauge | | |
| p6 | Electronic clock | | |

Test data

Resistance at coolant level sensor with "max" coolant level	$\infty \Omega$
Resistance at coolant level sensor with "min" coolant level	approx. 15 Ω
Battery voltage	approx. 12 V

Commercial tool

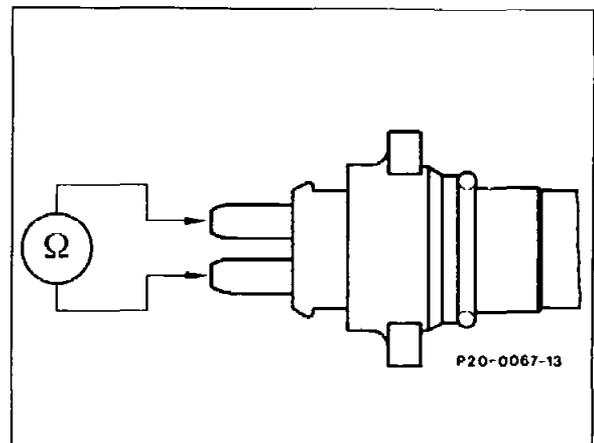
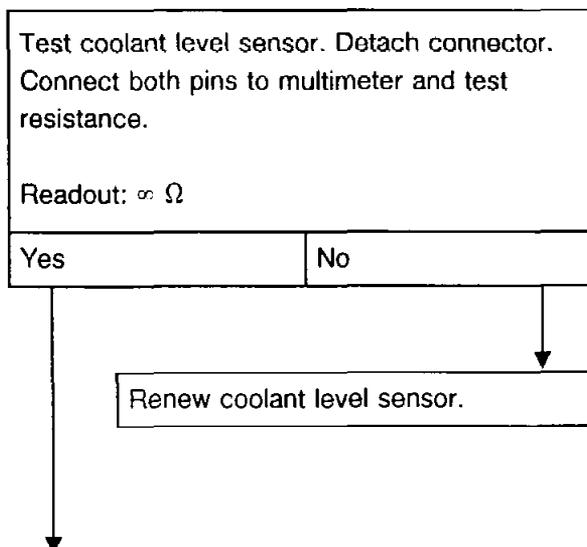
Multimeter	e. g. SUN, DMM-5
------------	---------------------

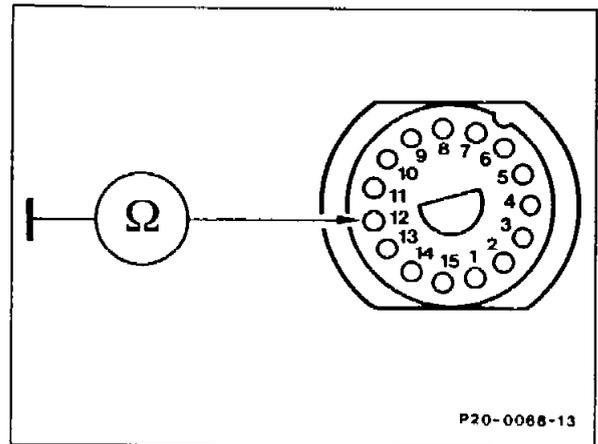
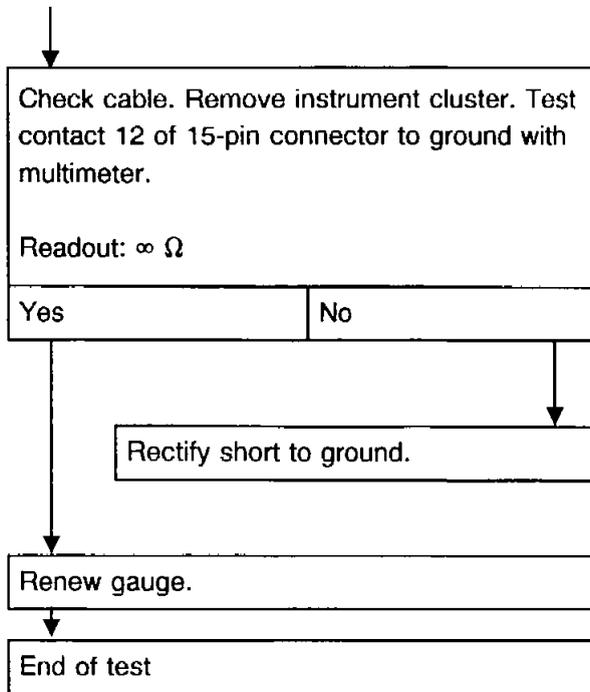
Complaints

- A. Indicator lamp remains on when engine running and coolant level correct.
- B. Indicator lamp does not light up when key in position "2".
- C. Indicator lamp does not light up when engine running and coolant level below "min".

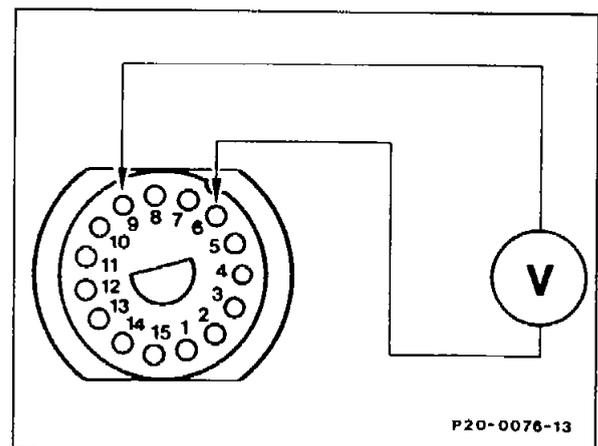
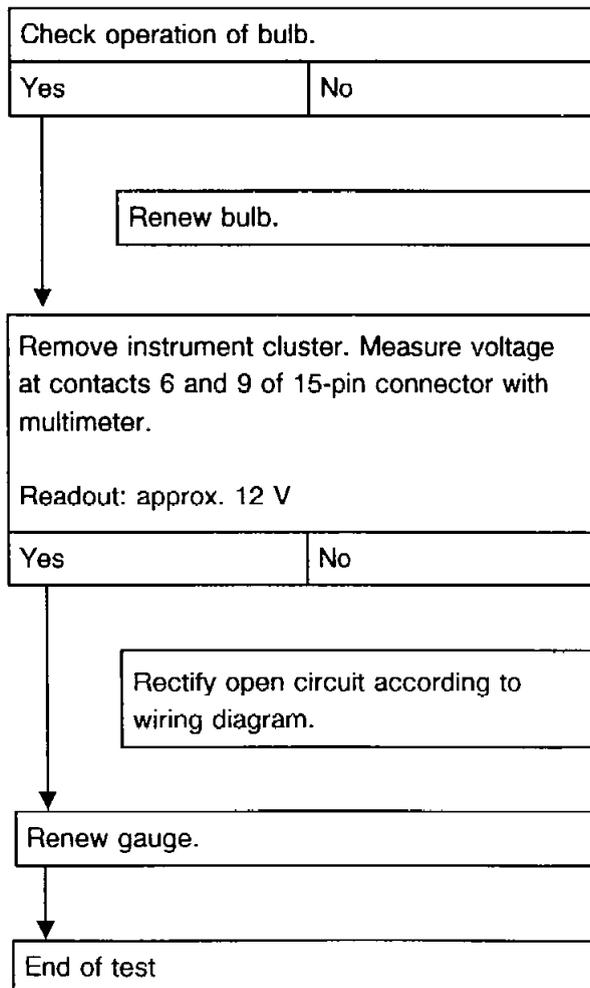
Testing

- A. Indicator lamp remains on when engine running and coolant level correct.





B. Indicator lamp does not light up when key in position "2".



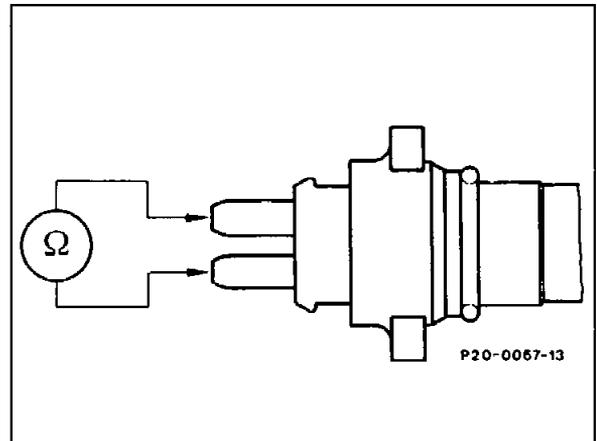
C. Indicator lamp does not light up when engine running and coolant level below "min". Control function section "B" in order.

Check coolant level sensor. Detach connector. Connect both pins to multimeter and test resistance.

Readout: approx. 5 Ω

Yes	No
-----	----

Renew coolant level sensor.

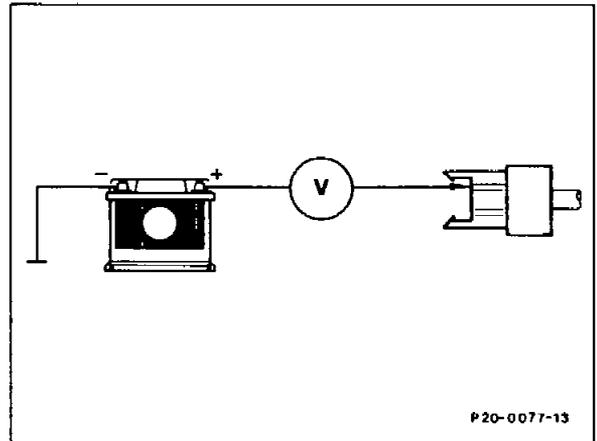


Check cable. Connect multimeter to 2-pin coolant level sensor connector (brown cable) and battery positive.

Readout: approx. 12 V

Yes	No
-----	----

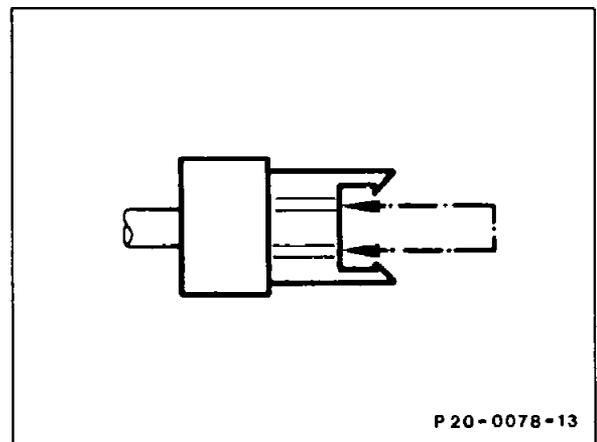
Test ground connection, correct if necessary.



Jumper coolant level sensor connector. With key in position "2", indicator lamp should light up.

Yes	No
-----	----

Rectify open circuit according to wiring diagram.



End of test