

Easy diagnosis and trouble-shooting

Voltage measurement with digital multimeter

Fault symptom:

Lamp H1 does not illuminate.

Pre-condition:

Battery voltage OK, fuse OK, bulb OK. Set digital multimeter to V DC (direct voltage).

1st measurement:

Voltmeter indicates more than 11.5 V: circuit OK up to this measurement point.

No indication or indication too small: lead interruption or contact problems between fuse F2 and wiring harness plug X1.

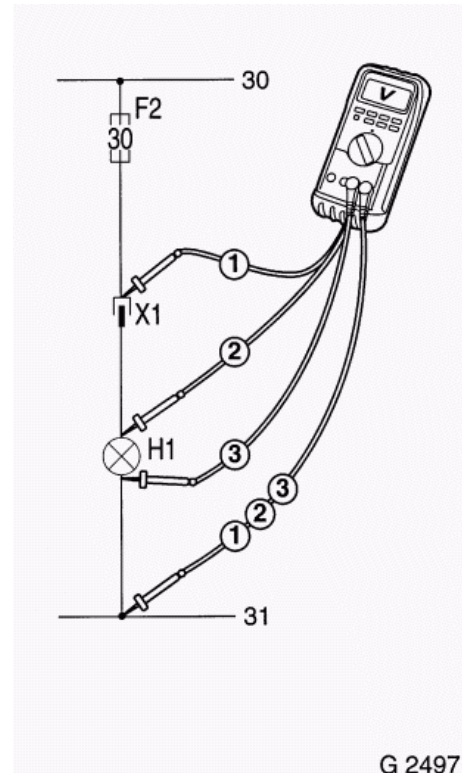
2nd measurement:

Voltmeter indicates more than 11.5 V: circuit OK up to this measurement point.

No indication or indication too small: lead interruption or contact problems between wiring harness plug X1 and lamp H1.

3rd measurement:

Voltmeter indicates more than 11.5 V: lead interruption between lamp H1 and ground.



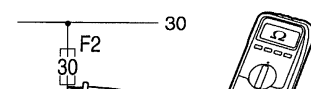
Resistance measurement with digital multimeter

Fault symptom:

Lamp H1 does not illuminate.

Pre-condition:

Battery voltage OK, fuse OK, bulb OK. Set digital multimeter to Ω (resistance), fuse F2 pulled (during the resistance measurement, current must not flow through the lead being measured).

1st measurement:

Ohmmeter indicates less than $2\ \Omega$: circuit OK up to this measurement point.

Indication too large: lead interruption or contact problems between fuse F2 and wiring harness plug X1.

2nd measurement:

Ohmmeter indicates less than $2\ \Omega$: circuit OK up to this measurement point.

Indication too large: lead interruption or contact problems between wiring harness plug X1 and lamp H1.

3rd measurement:

Ohmmeter indicates more than $2\ \Omega$: lead interruption between lamp H1 and ground.