

Hints for Fault Tracing at the Fuel Gage

Job No.

47 — 4

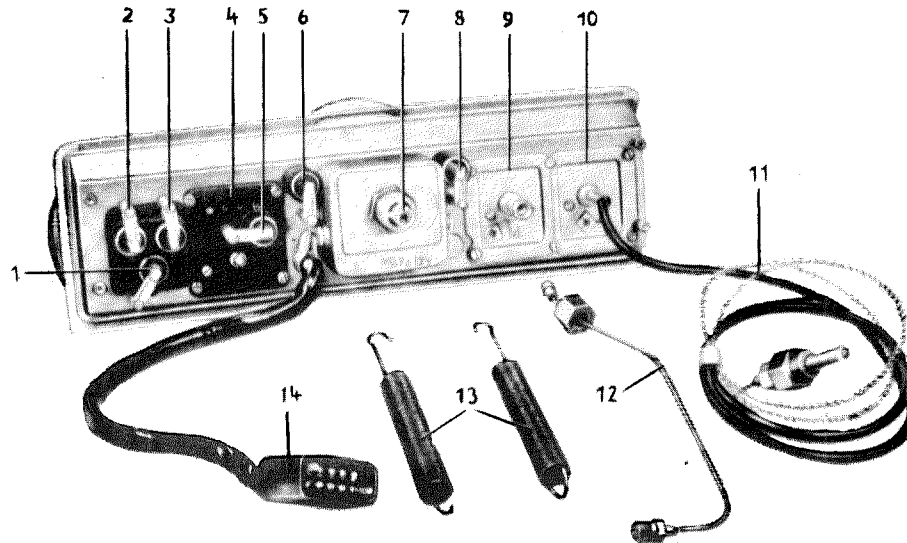


Fig. 47 — 4/1

- 1 Choke cable pilot light
- 2 Flash direction signal pilot light
- 3 Headlight upper beam pilot light
- 4 Reserve fuel gage
- 5 Fuel gage pilot light
- 6 Instrument panel lighting
- 7 Speedometer connection

- 8 Instrument cluster lighting
- 9 Oil pressure gage
- 10 Radiator thermometer
- 11 Capillary tube with radiator thermometer heat feeler
- 12 Oil pressure gage line
- 13 Tension springs for instrument cluster mounting
- 14 8 pin multiple plug

Warning light does not light up	
Cause	Remedy
1. Defective bulb.	1. Remove bulb (5) from instrument cluster and test with a 12 volt supply. Replace bulb if necessary.
2. Defective contact in multiple plug.	2. Pull out multiple plug (14) and spread pins slightly.
3. Fuel reserve level not yet reached.	3. Empty fuel tank and fill up with 4 liters of fuel. If the warning light does not light up after a switch-on lag of 4—7 minutes, the fuel level indicator should first be checked for faults (see Job No. 47 — 2).
	Note: The delay in lighting up of the warning light is caused by two bimetal springs which are built into the fuel gage.

Cause	Remedy
4. Fuel gage in instrument cluster defective.	<p>This prevents the constant movement of the gasoline in the fuel tank and thus of the float from causing the warning light to flash on and off, particularly when driving over pot-holes or around sharp bends.</p> <p>4. Replace fuel gage instrument.</p>
Warning light fails to go out	
Cause	Remedy
<p>1. Short circuit in fuel level indicator.</p> <p>2. Ground connection in fuel gage mechanism.</p>	<p>1. Check and, if necessary, replace fuel level indicator (see Job No. 47 — 2).</p> <p>2. Replace fuel gage mechanism.</p>
Warning light lights up too soon	
Cause	Remedy
Defective fuel level indicator	Replace fuel level indicator
Fuel gage gives incorrect reading	
Cause	Remedy
Fuel tank collapsed by partial vacuum	Remove fuel tank and straighten it by pressing out (see Job No. 47 — 5). Clean vent and bleeder lines, including the vent line screen, and install both lines correctly.
Fuel gage gives no reading	
Cause	Remedy
Short circuit or break in tail light wiring harness.	Install new tail light wiring harness or new cables (see Job No. 54 — 2).