

3. Connect the fuel level indicator to a fuel gage via a battery. As an expedient, the fuel level indicator, which has been removed from the vehicle, can be reconnected to the cable sheaf of the tail light wiring harness and the function of the fuel level indicator can be checked in the individual float positions on the fuel gage of the instrument cluster.

	Float raised by mm			Level indicated by fuel gage	Tank contents liters			Test readings ohms		
	180, 180 a, 180 b, 180 D, 180 Db, 190 D, 190 Db, 219	190 SL 220 a 220 S	220 SE		180, 180 a, 180 b, 180 D, 180 Db, 190 D, 190 Db, 219	190 SL 220 a 220 S	220 SE	180, 180 a, 180 b, 180 D, 180 Db, 190 D, 190 Db, 219	190 SL 220 a 220 S	220 SE
Distance "b"	145	167	178	completely full	56	64	60	180+10	180+10	180+10
Distance "c"	114	123	141	$\frac{3}{4}$ full	42	48	45	157+5	147±5	143±5
Distance "d"	73	78	101	$\frac{1}{2}$ full	28	32	30	109±3	103±3	103±3
Distance "e"	33	33	58	$\frac{1}{4}$ full	14	16	15	60±3	54±3	54±3

**Note:** The fuel level indicator with the additional connection for the red warning light must be checked for contact transmission to the warning light. To do this let the float lever swing freely. With the float lever in this position the warning light must light up after a switch-on lag of 4–7 minutes. The delay in the lighting-up of the warning light is caused by two bi-metal springs built into the fuel gage. This delay is necessary in order to prevent the light from constantly flickering on and off when the reserve fuel level is reached, as a result of the movement of the gasoline when the car is in motion. Raise the float by 5–7 mm (this corresponds to 5–6 liters of reserve fuel) on Models 180, 180 a, 180 b, 180 D, 180 Db, 190 D, 190 Db, 219, and by 33–35 mm (this corresponds to 5.5 liters of reserve fuel) on Model 220 SE; in this position the warning light must no longer light up.

Job No.

47-4

## Hints for Fault Tracing at Fuel Gage

The hints for tracing faults at the fuel gage on Models 180 to 220 SE correspond to those described for Model 190.

Job No.

47-5

## Checking and Repair of Fuel Tank

On Models 180 to 220 SE the checking and repair procedures are the same as on Model 190.