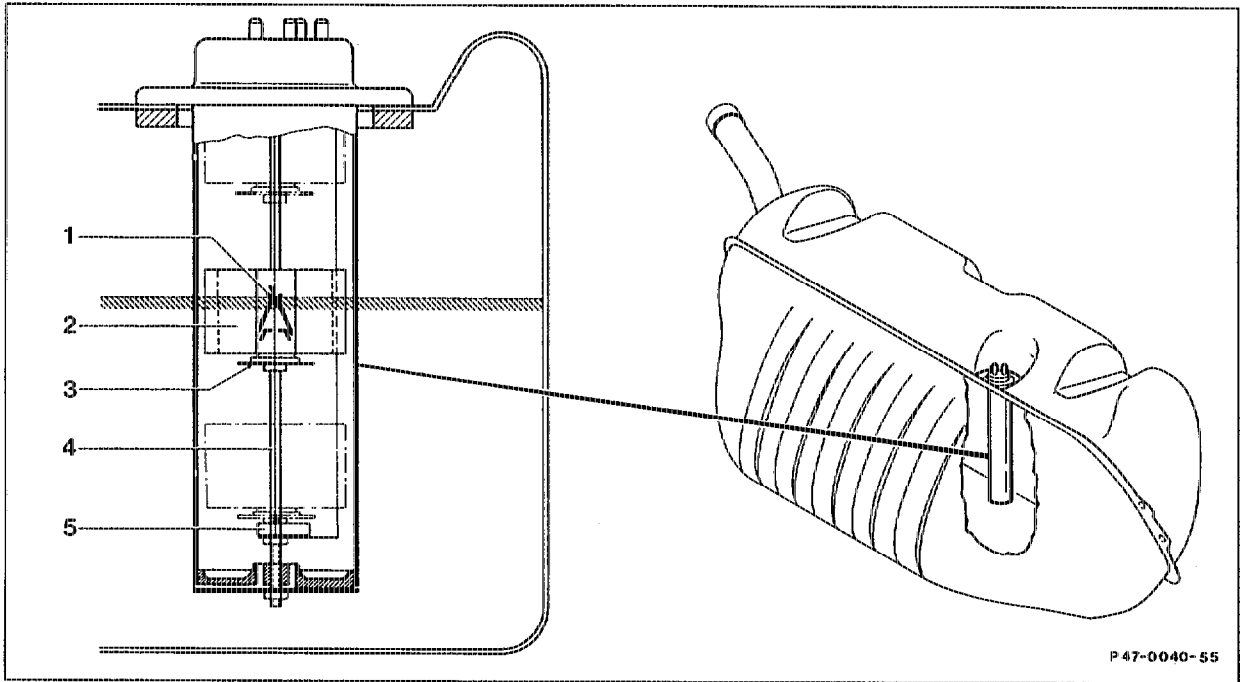


## 47-0020 Fuel gauge sensor

### A. Model 124



- 1 Wiper contact
- 2 Flóat
- 3 Contact plate

- 4 Guide and contact rod
- 5 Reserve warning contact

As the fuel level drops, the variable resistance is increased by the float (2) moving down, as a result of which the voltage drops and the needle of the gauge in the instrument cluster moves back.

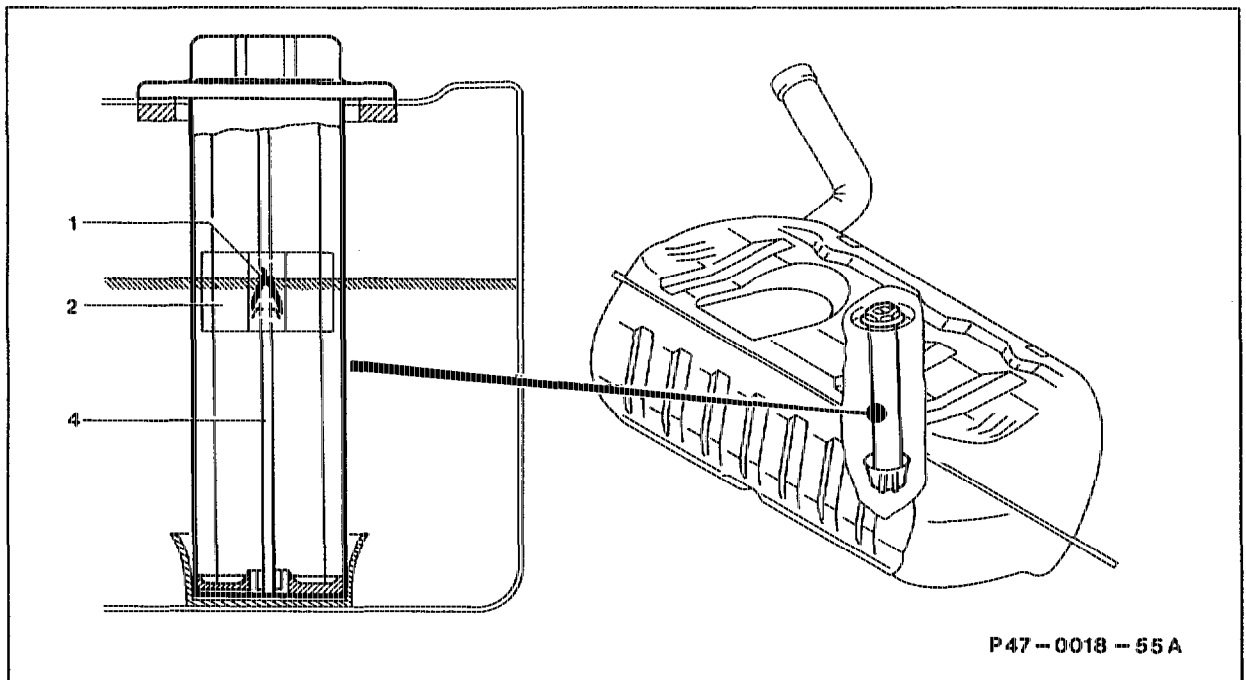
If the fuel level drops to the reserve quantity, the reserve warning contact closes (5) and switches ground to the reserve warning lamp, as a result of which this lamp lights up when the engine is running.

#### Note

The reserve warning lamp lights up with a weak light as a check function, with a strong light to indicate reserve quantity.

**Testing fuel gauge (54-257).**

## B. Models 129, 140



Shown on model 129

- |   |                       |
|---|-----------------------|
| 1 | Wiper contact         |
| 2 | Float                 |
| 4 | Guide and contact rod |

As the fuel level drops, the variable resistance is increased by the float (2) as it moves down, as a result of which the voltage drops and the needle of the gauge in the instrument cluster moves back.

If the fuel level drops to reserve quantity, the reserve warning lamp is switched on by electronics in the gauge. As the reserve quantity decreases, the needle moves in the reserve field of the gauge to the end stop (dynamic indication). The reserve warning lamp lights up when the ignition is switched on (check function). As soon as the engine is running, it goes out provided the fuel tank contains more than the reserve quantity.

### Note

The reserve warning lamp lights up with a weak light as a check function, and with a stronger light to indicate reserve quantity.

Testing fuel gauge (54-257).