

GF54.30-P-3018GZ	Display fuel quantity, function	10.1.06
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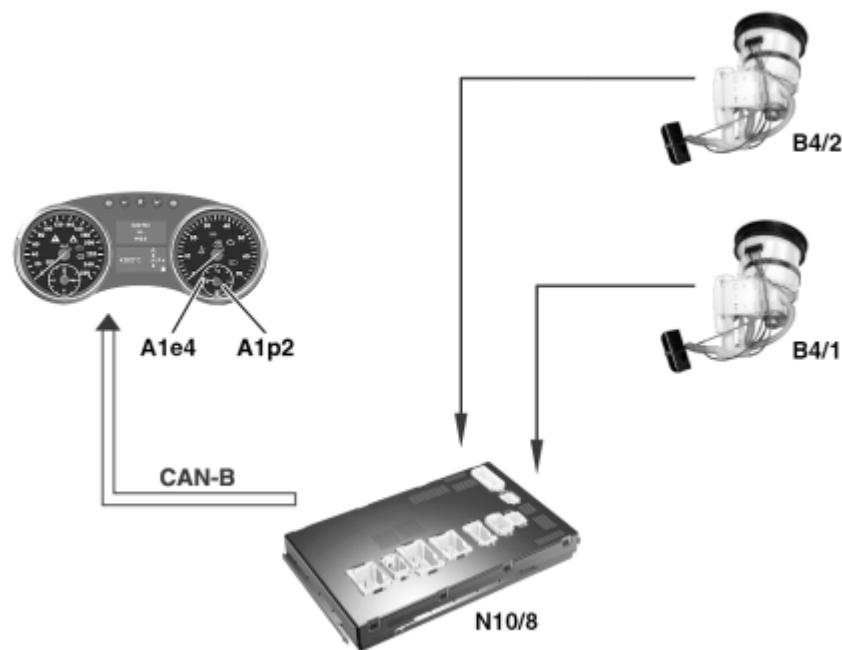
MODEL 164

Shown on model 164.1

Networking

A1e4 Fuel reserve indicator lamp
 A1p2 Fuel level and reserve indicator
 B4/1 Left fuel level sensor
 B4/2 Right fuel level sensor
 N10/8 Rear SAM control unit

CAN B interior CAN.



P54.30-8335-06

Function

The fuel level and reserve gage (A1p2) is a 39-segment LCD bar graph indicator. Switching on and off of the fuel level and reserve gage (A1p2) takes place via instrument cluster (A1).

The display readings are shown immediately after "Terminal 15 ON"; the display run-up is dampened, but the run-down is not. A hysteresis is implemented to prevent segment jittering of readings near the segment limits.

Fuel level gage sensor

The left fuel level sensor (B4/1) and right fuel level sensor (B4/2) are planned for the fuel level measurement. The instrument cluster (A1) registers this percentage from the interior compartment CAN and uses this information as the basis for controlling the fuel level and low fuel display (A1p2) as well as the low fuel warning lamp (A1e4) as required.

Fuel level display

If the EIS [EZS] control unit (N73) is in the position "circuit 15 ON" the current tank capacity is displayed in the fuel level and reserve indicator (A1p2).

During refueling when the EIS [EZS] control unit (N73) is in position "circuit 15 ON", refueling is only detected (updating of the display) as of a replenishment quantity of at least 9 l. Once "circuit 15 ON" is switched on again the display is updated. There is always a delay before the display is updated. This inhibits fluctuations in the display, e.g. due to cornering.

Reserve range

The reserve range extends from "0" to "Reserve". This corresponds to a quantity of 0 to approx. 9 l.

When the reserve level is reached, the fuel reserve indicator lamp (A1e4) lights up in yellow when the engine is running.

The lamp is triggered with a delay period to prevent the lamp flickering.

i The system responds to malfunctions by moving the needle in the fuel level and reserve display (A1p2) to "0." The fuel reserve warning lamp (A1e4) does not come on.

	Display outside temperature, function		GF54.30-P-3019GZ
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