



PI 1521
For technical personnel only!
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PRODUCT INFORMATION

MERCEDES-BENZ IN-TANK MODULES

REPLACEMENT PART SOLUTION FOR CLS- AND E-CLASS

Vehicles:	Product: Fuel delivery module, fuel tank sender unit	
Mercedes-Benz	Pierburg no.	Ref. no. *
CLS 280, CLS 300, CLS 350 (CGI), CLS 500, CLS 55 AMG Kompressor, E 200 (CGI/Kompressor/NGT), E 230, E 240, E 280, E 320, E 350, E 500	7.02701.71.0	A 211 470 14 94, A 211 470 29 94, A 211 470 41 94
	7.02701.72.0	A 211 470 14 41, A 211 470 39 94

The fuel delivery module and fuel tank sender unit which Motorservice offers for the vehicles listed above are different from the components installed by the vehicle manufacturers.

These differences are partly due to patent law, and partly to a continuous improvement process:

- The fuel delivery module from Motorservice features carbon-carbon commutation and therefore conforms to regulation E10.
- The fuel delivery module from Motorservice has a lower current consumption with the same performance (4.4 bar at 13.5 V).

Motorservice: 100 W, 7 A

Manufacturer: 162 W, 12 A

- On the fuel tank sender unit from Motorservice, both return lines are joined into one line by a Y-connector.

NOTE

Both the fuel delivery module and the fuel tank sender unit can be replaced individually or in pairs by the corresponding Motorservice components. This results in 4 different installation positions (see pages 3 and 4).

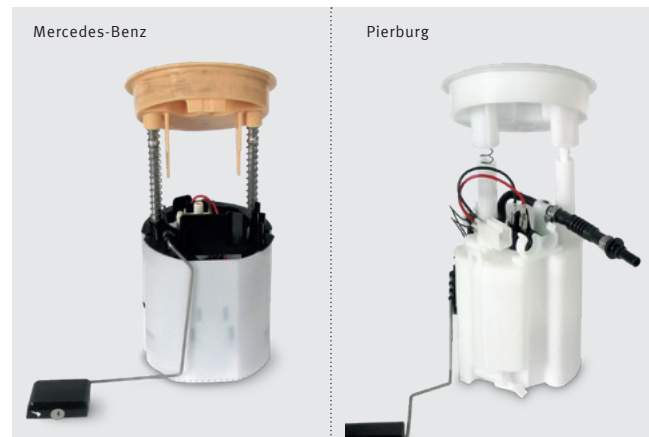


Fig. 1: Comparison of fuel delivery modules

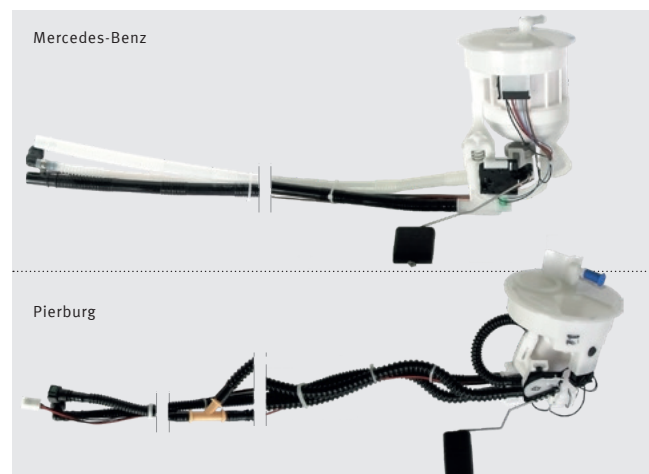


Fig. 2: Comparison of fuel tank sender units

All content including pictures and diagrams is subject to change. For assignment and replacement, refer to the current catalogues or systems based on TecAlliance.

* The reference numbers given are for comparison purposes only and must not be used on invoices to the consumer.



Please observe the following when replacing the parts:

The fuel delivery module (04) is located on the right-hand side of the saddle tank with the fuel tank sender unit on the left-hand side when viewed in the direction of travel (F).

The fuel delivery module (04) and fuel tank sender unit (01) are connected by electrical lines and fuel lines running through the narrowest point of the two sides of the tank. The side of the fuel delivery module must also be opened for this reason when replacing the fuel tank sender unit.

The fuel delivery module (04) does not have an electrical connection in the flange cover. The power is supplied by means of the connector plug (02) on the fuel tank sender unit (01).

On the fuel tank sender unit from Motorservice, both return lines are joined into one line by a Y-connector (03).

NOTE

Insert the fuel delivery module and fuel tank sender unit into the fuel tank so that the arrow on the flange cover points towards the marking on the fuel tank (Fig. 5).

When replacing the fuel tank sender unit (01), the piece of tubing (06) of the flow line must be shorted to approx 80 mm, and the 90° quick connector (05) enclosed must be mounted (Fig. 5).

When ordering, make sure that you specify the exact engine type and any possible delineation by chassis number, engine ID code and model year!

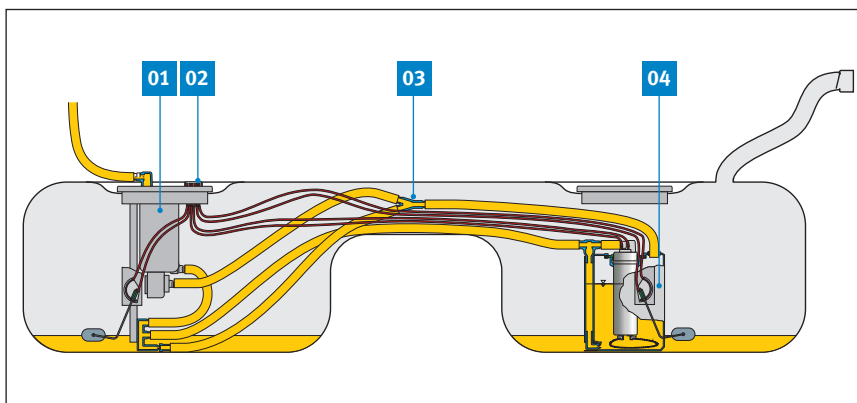


Fig. 3: Cross-section of the fuel tank (schematic)

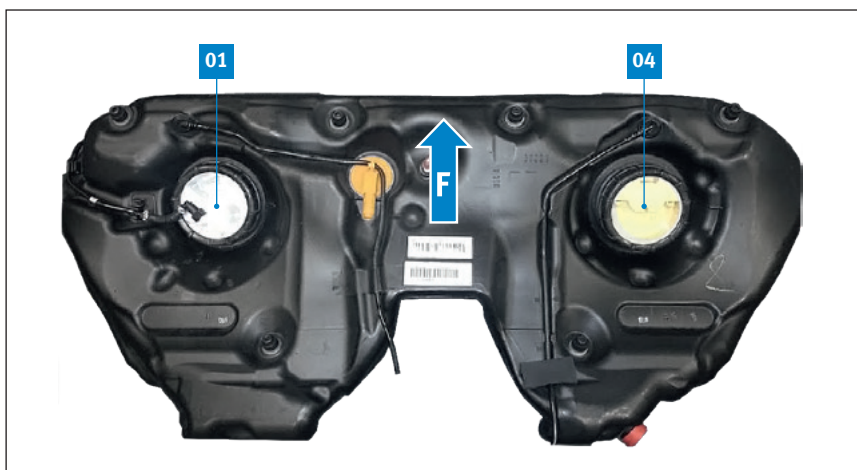


Fig. 4: Fuel tank (top-down view)

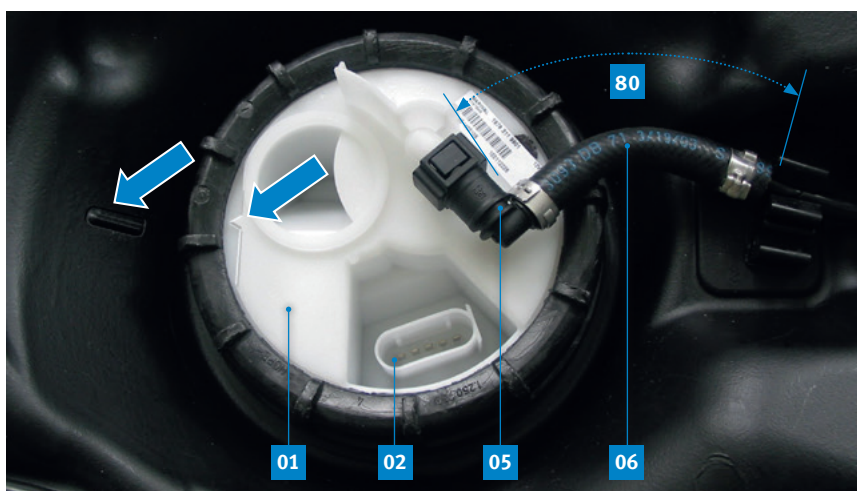


Fig. 5: Flange cover of the fuel tank sender unit



INSTALLATION POSITIONS

Fuel delivery module: **Vehicle manufacturer**

Fuel tank sender unit: **Vehicle manufacturer**

If no additional replacement has been performed, this is the installation position which you will encounter (Fig. 6):

- 2 return lines (02) clipped onto the fuel delivery module.
- Pressure line connected directly to the fuel pump by means of a 90° quick connector (03).
- Plug (01) of the electrical line leading to the fuel tank sender unit is located under the two return lines (02).



Fig. 6

Fuel delivery module: **Motorservice**

Fuel tank sender unit: **Vehicle manufacturer**

This installation position is encountered if you are only replacing the fuel delivery module (Fig. 7):

- Connect pressure line to the straight piece of tubing (05) of the fuel pump with 90° quick connector (07).
- Clip 2 return lines (04) onto the fuel delivery module.
- Insert plug (06) of the electrical line leading to the fuel tank sender unit into the fuel delivery module.

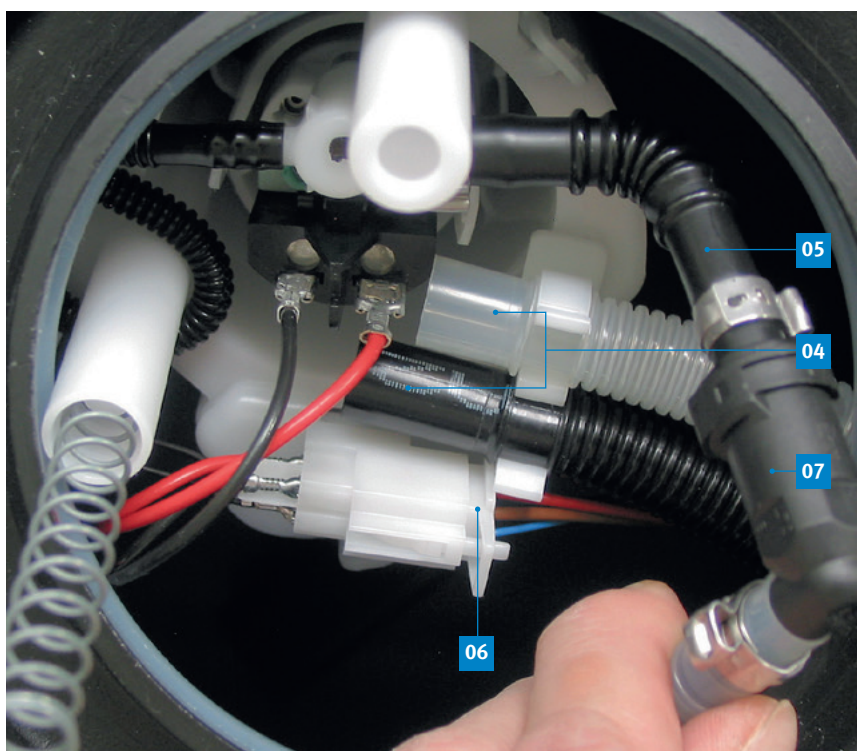


Fig. 7



INSTALLATION POSITIONS (CONTINUED)

Fuel delivery module: **Vehicle manufacturer**

Fuel tank sender unit: **Motorservice**

This installation position is encountered if you are only replacing the fuel tank sender unit (Fig. 8):

- Insert plug (10) of the electrical line leading to the fuel tank sender unit into the socket under the return line (08).
- Pressure line connected directly to the fuel pump by means of a 90° quick connector (09).
- Clip 1 return line (08) into one of the two free supports on the fuel delivery module using a straight quick connector.

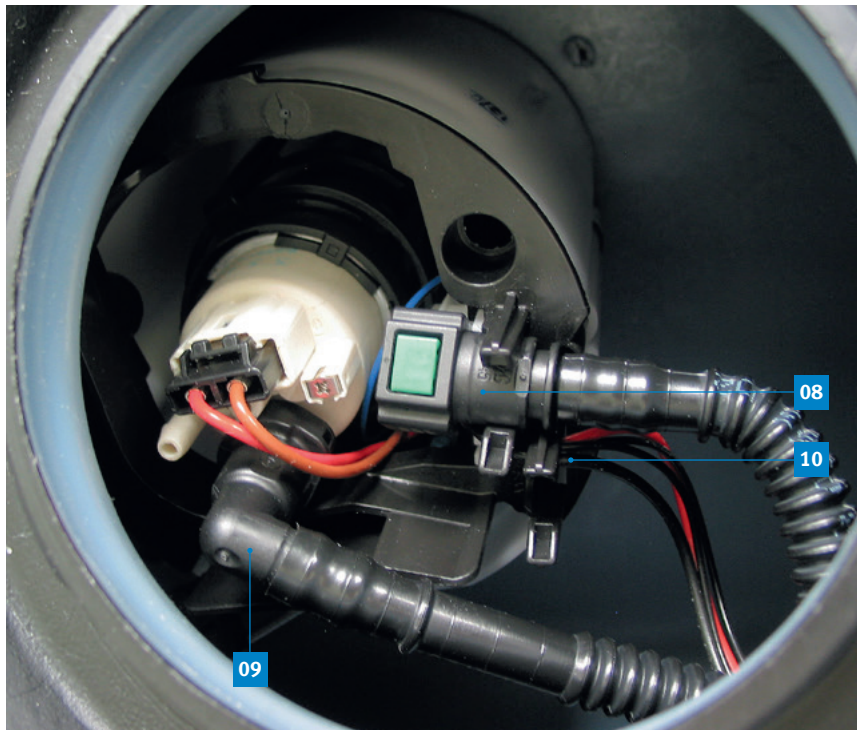


Fig. 8

Fuel delivery module: **Motorservice**

Fuel tank sender unit: **Motorservice**

This installation position is encountered if you are replacing both the fuel delivery module and the fuel tank sender unit (Fig. 9):

- Connect pressure line to the straight piece of tubing (11) of the fuel pump with 90° quick connector (12).
- Clip 1 return line (14) into one of the two free supports on the fuel delivery module using a straight quick connector.
- Insert plug (13) of the electrical line leading to the fuel tank sender unit into the fuel delivery module.

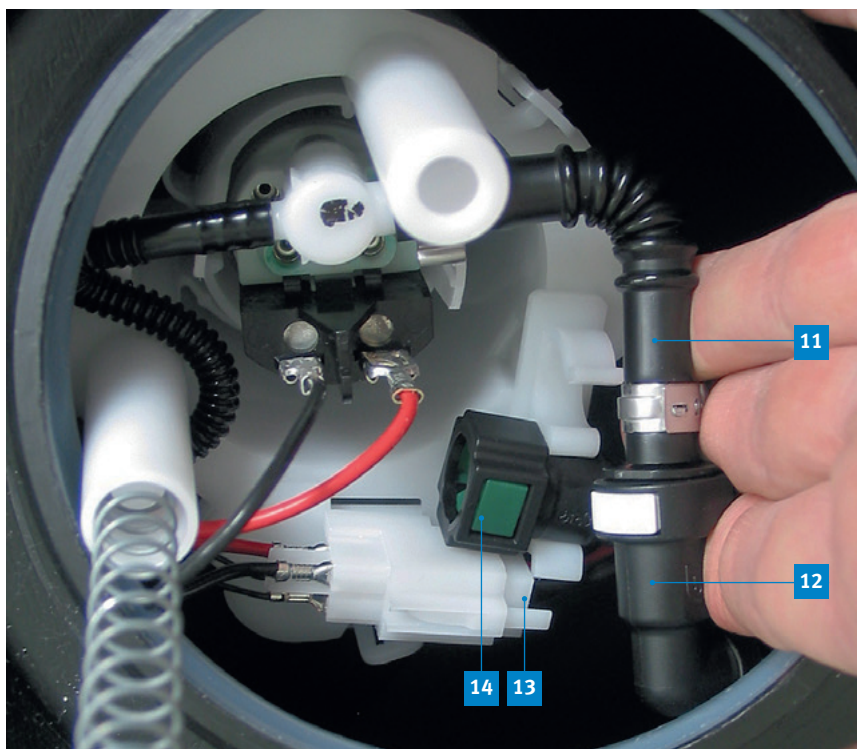


Fig. 9