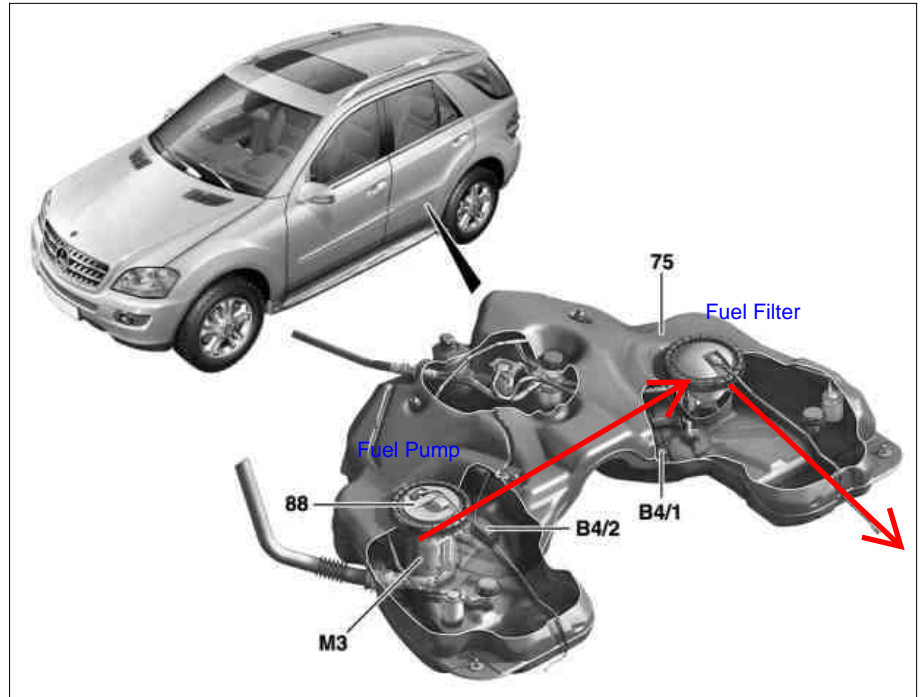


ENGINE 642 in MODEL 164.1 /8 up to Model Year 2008

ENGINE 642 in MODEL 463 up to 31.5.12

**Shown on MODEL 164**

- 75 Fuel tank
- 88 Fuel delivery module
- B4/1 Left fuel level sensor
- B4/2 Right fuel level sensor
- M3 Fuel pump



P47.10-2347-06

**Location**

**Model 164**

The fuel feed module is integrated into the fuel tank.

**Location**

**Model 463**

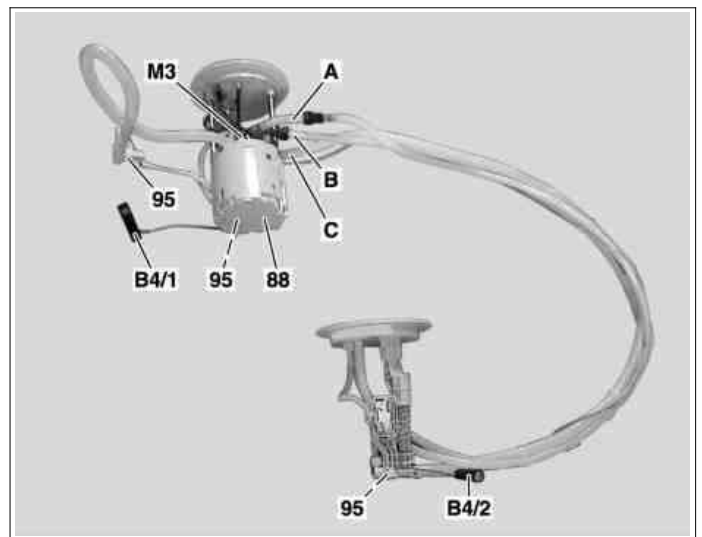
The fuel feed module is attached on the outside on the fuel tank and delivers fuel to the fuel filter. The swirl pot and the immersed tube sensor for the fuel level indicator are located in the fuel tank.

**Task**

The fuel feed module ensures delivery from the fuel pump through the swirl pot when fuel level is low in the fuel tank and during extended cornering.

**Shown on model 164**

- 88 Fuel delivery module
- 95 Suction jet pump
- A Feed line
- B Return flow pipe
- C Return flow pipe
- B4/1 Left fuel level sensor
- B4/2 Right fuel level sensor
- M3 Fuel pump



P47.10-2351-11

**Function**

**Model 164**

The fuel delivery module with the fuel pump and the "fuel level sensor, right half of tank", is mounted in the right fuel tank chamber. The following components can be found in the left fuel tank chamber:

- Closing plate with connection fitting
- Line plug
- Suction jet pump
- Left fuel level sensor

**116 psi**

The fuel pressure is regulated by the fuel pump to **8 bars**. Excess fuel flows back over the return connection through the suction jet pump and the fuel line into the right fuel tank chamber. A suction effect is produced in the suction spray pump which draws the fuel from the lowest point out of the left fuel tank chamber to the fuel feed module. This ensures that the left fuel tank chamber is properly emptied. The housing of the fuel delivery module serves as a swirl pot. When cornering with a low level of fuel in the fuel tank, it prevents the fuel pump drawing in air.

The fuel flows from the electric fuel pump in the fuel feed module through the fuel pressure line over the connection to the fuel main filter.

---

#### **Function**

##### **Model 463**

The fuel feed module with fuel pump and connection fitting mounted on the outside on the fuel tank. The following components are located in the fuel tank:

- Fuel level sensor
- Swirl pot
- Intake connection fitting with sieve

The fuel is pumped from the electric fuel pump via the intake connection fitting with sieve out of the swirl pot into the fuel tank. The fuel pump delivers the fuel through the fuel pressure line to the fuel main filter.

---

The fuel pressure is regulated by the fuel pump to 8 bars. Excess fuel flows back over the return connection and the fuel line into the fuel tank. The swirl pot prevents the fuel pump from drawing in air while cornering with a low level of fuel in the fuel tank.