

16 00 005**Draining and filling fuel tank****Special tools required:**

- 16 1 080

**Important!**

Observe country-specific safety regulations.

Ensure adequate ventilation in the workbay!

Connect the exhaust extraction unit to the exhaust tailpipe.

The electric fuel pump must not operate without fuel! After completing repairs but before starting the engine for the first time, fill the fuel tank with min. 5 l fuel through the fuel filler pipe.

Do not damage non-return valve when pulling out suction hose.

**Diesel vehicles:**

Before starting the engine for the first time, if the fuel tank has been run dry or emptied, fill with diesel fuel and turn on ignition for approx. 1 minute. The fuel circuit is thus filled and vented, which results in the engine firing more quickly.

Drawing off fuel:

Start engine and allow to run.

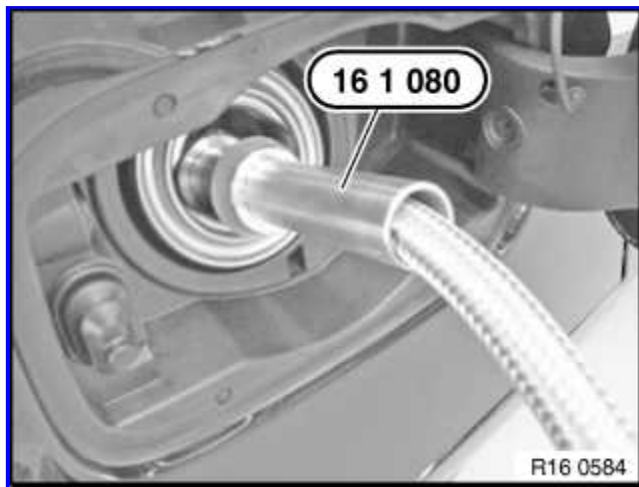


The electric fuel pump runs.

In this way, the fuel is re-pumped through the suction jet pump from the left to the right side of the fuel tank.

Note:

Fuel can be drawn out of left and right sides of tank through fuel filler neck, leaving only a small residue. The residual amount is drawn off via the sensor opening.



Insert special tool 16 1 080 into fuel filler neck.

Special tool 16 1 080 has two different diameters for petrol/gasoline and diesel-engine cars!

Slide suction hose of extractor unit, refer to BMW Service Workshop Equipment - Planning Documentation, through special tool 16 1 080 into the fuel filler pipe, turning in the process if necessary.

Insertion length approx. 125 cm.

Draw off fuel with extractor unit (refer to BMW Service Workshop Equipment) as far as possible.

Follow drawing off of fuel on fuel gauge in instrument cluster.



Drawing off residual fuel quantity:

Drawing off residual fuel amount is not included in the time value of this operation.

Important!

Ensure passenger compartment is adequately ventilated.

Catch dripping fuel in a suitable container.

Remove [flange cover](#).

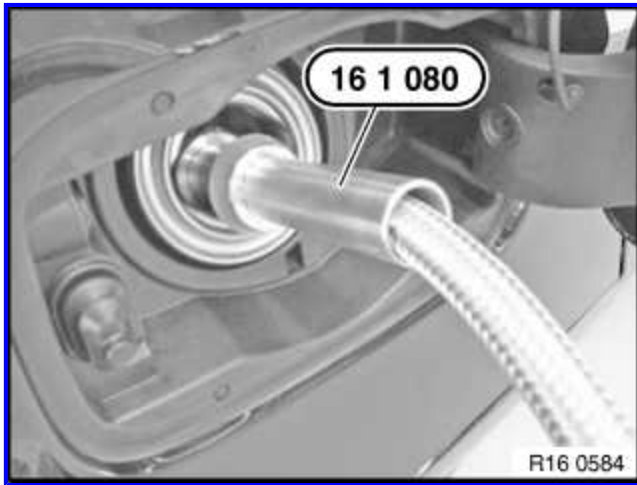
Draw off residual fuel quantity through sensor openings.

Fuel filling:

Insert special tool 16 1 080 into fuel filler neck.

Special tool 16 1 080 has two different diameters for petrol/gasoline and diesel-engine cars!

Slide suction hose of extractor unit, refer to BMW Service



Workshop Equipment - Planning Documentation, approx. 40 cm into fuel filler pipe.

Fill fuel from suction extractor unit.



Extracting fuel after a defect in the suction jet pump or fuel pump:

Draw off right half of tank completely through fuel filler pipe.

Remove [flange cover](#).

Insert extraction hose through service opening in tank, fuel (also residual quantity) can be drawn off.