

## 47–700 Removal and installation of fuel tank

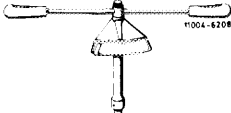
### Filling capacities in liters

|                        |            |            |
|------------------------|------------|------------|
| Model                  | 107        | 116        |
| Full readout           | approx. 90 | approx. 96 |
| Warning lamp — reserve | 11–13      |            |

### Tightening torques

|                                                  |       |
|--------------------------------------------------|-------|
|                                                  | Nm    |
| Fastening screws or fastening nuts for fuel tank | 17–25 |
| Immersion tube transmitter                       | 35–43 |
| Fuel strainer                                    |       |

### Special tool

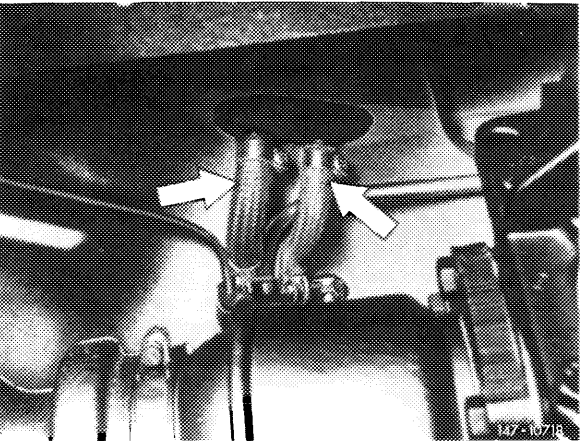
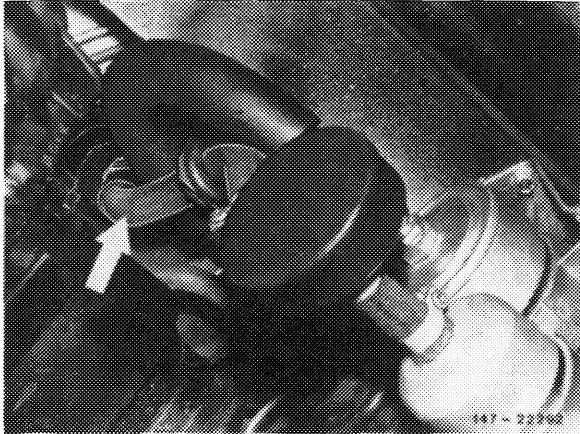
|                                    |                                                                                     |                  |
|------------------------------------|-------------------------------------------------------------------------------------|------------------|
| Torque wrench double-arm, 15–65 Nm |  | 000 589 27 21 00 |
|------------------------------------|-------------------------------------------------------------------------------------|------------------|

### Attention!

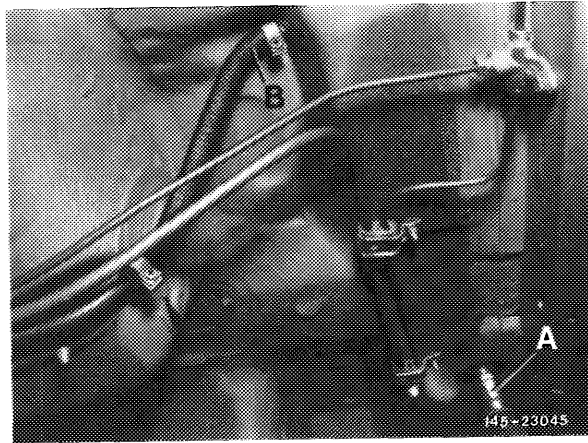
Pay attention to safety rules when removing fuel tank.

### Removal

- 1 Disconnect grounding line on battery.
- 2 Drain fuel tank. For this purpose, carefully pump off fuel, so that no residual fuel remains in fuel tank.
- 3 Loosen suction hose, return hose and vent hose (arrows). Catch residual fuel in hoses. Close hoses and connections.



Model 107.04  
 A Forward flow  
 B Return flow

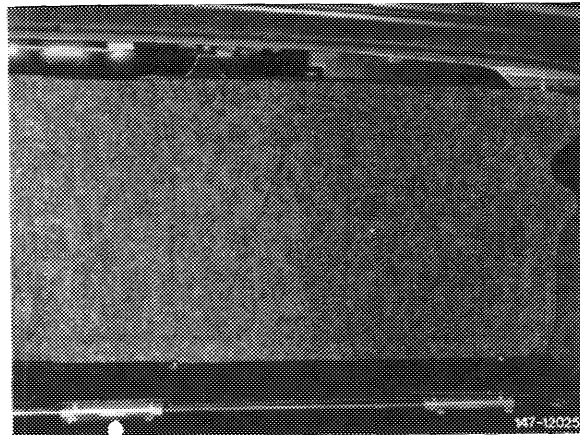


4 Remove trunk mat.

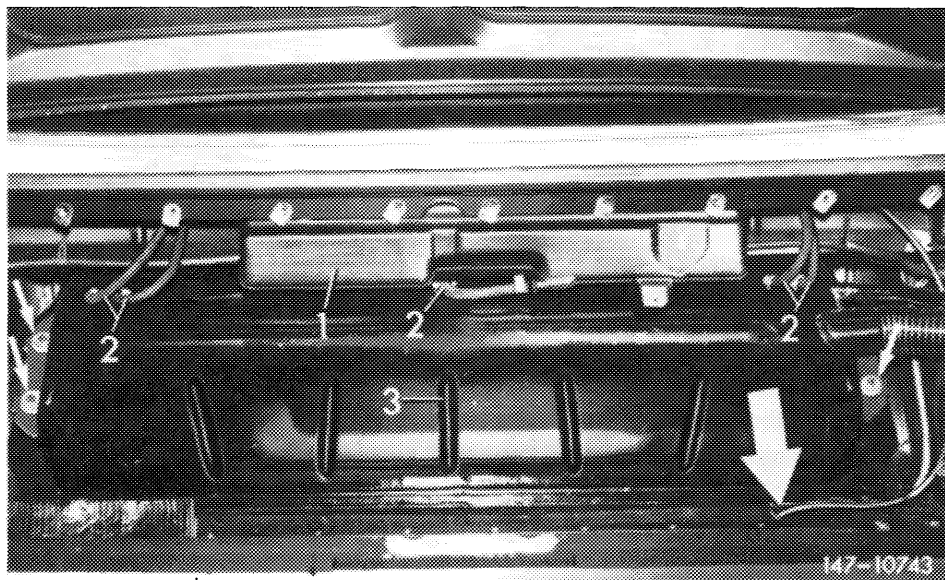
5 Unscrew back wall and remove.

**Note:** On model 107.04, remove fuel expansion tank (refer to job no. 47-705).

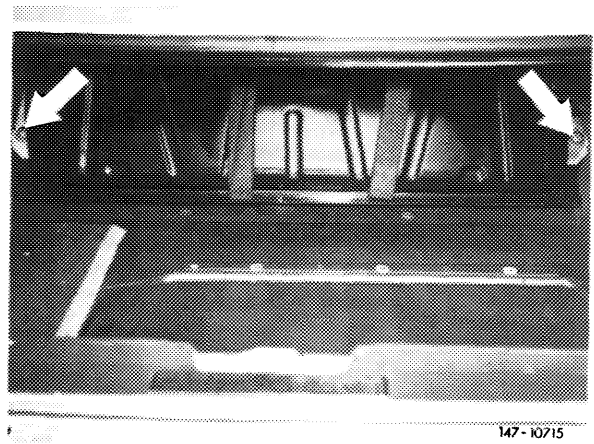
Model 107.02, 116



Model 107.04  
 1 Expansion tank  
 2 Fuel hoses  
 3 Fuel tank  
 Arrow = vent line



- 6 Unscrew fastening nuts (arrows).
- 7 Slightly pull out fuel tank and pull off coupling for fuel gauge.
- 8 Remove fuel tank.

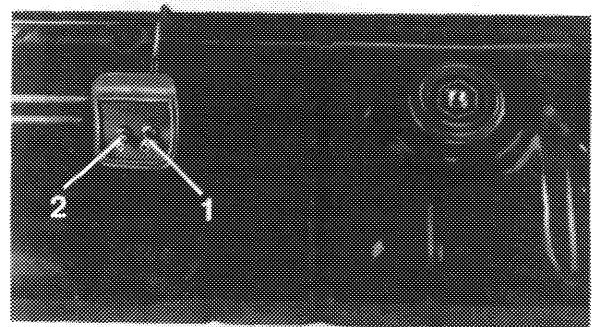


147-10715

## Installation

- 9 Install fuel tank in vice versa sequence, paying attention to the following items:

a) Glue-down both gaskets on underside of fuel tank with MB-universal glue, part no. 000 989 92 71. For installation, coat both gaskets after sealing surface or bead with sliding compound (talcum, wax or the like).

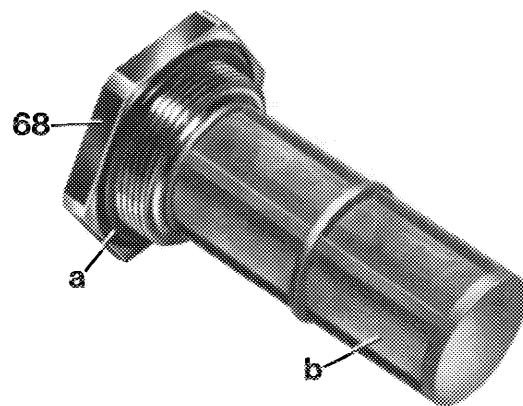


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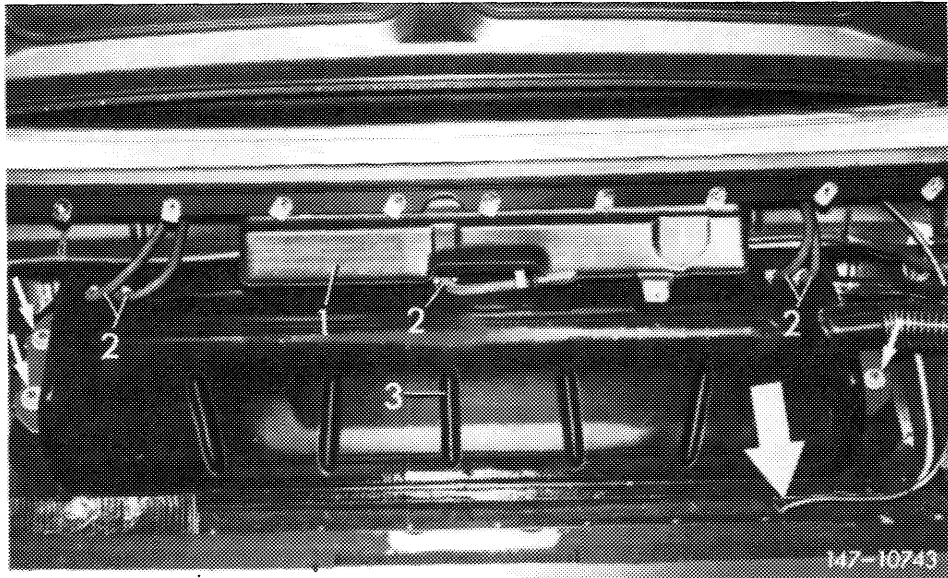
Model 107.02, 116

- 1 Vent line
- 2 Fuel return line

- b) Check whether damping strips on fuel tank are tight, glue down with MB-universal glue, part no. 009 989 92 71, if required.
- c) Blow out filter and check for damage. Renew sealing ring (a). Tighten fuel filter (68) to 35–43 Nm.
- d) Mount fuel tank with reinforcing sheet metal and washers provided. Tighten fastening nuts to 17–25 Nm.
- e) Pay attention to correct seat of rubber sleeve on fuel filler neck.
- f) Plug-on coupler for fuel gauge and check for function (grounding line on battery connected).
- g) Check fuel hoses and renew, if required.
- h) For installing expansion tank (model 107.04), displace vent line behind filler neck first.
- i) When tightening hose clamps, apply counterhold to connections of expansion tank (model 107.04).
- j) Plug-on protective sleeve at end of vent line (model 107.04).
- k) Check fuel system for leaks.



147-17012/1



Model 107.04

1 Expansion tank

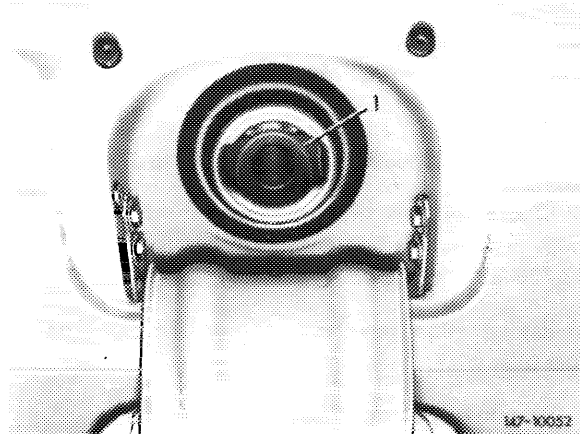
2 Fuel hoses

3 Fuel tank

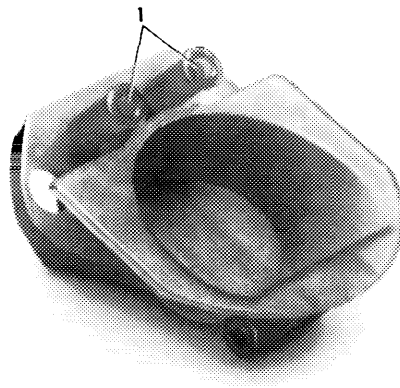
Arrow = vent line

**USA** starting 1976

Due to the small fueling guns for unleaded gasoline, these vehicles are provided with a guide funnel (1) in filler neck.

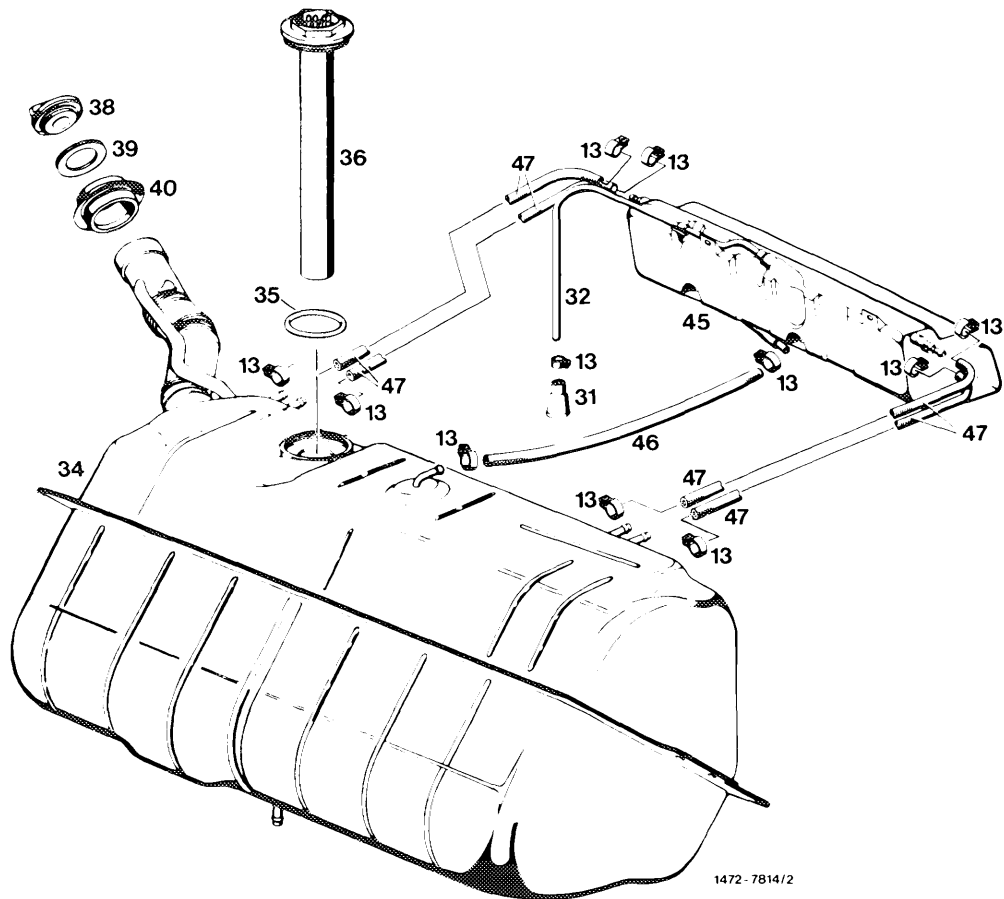


If a fuel tank is renewed on these vehicles, simultaneously install a guide funnel **on USA vehicles only**. For this purpose, prior to assembly of fuel tank, place guide funnel into filler neck and knock fastening rivets (1) in up to stop by means of a punch.



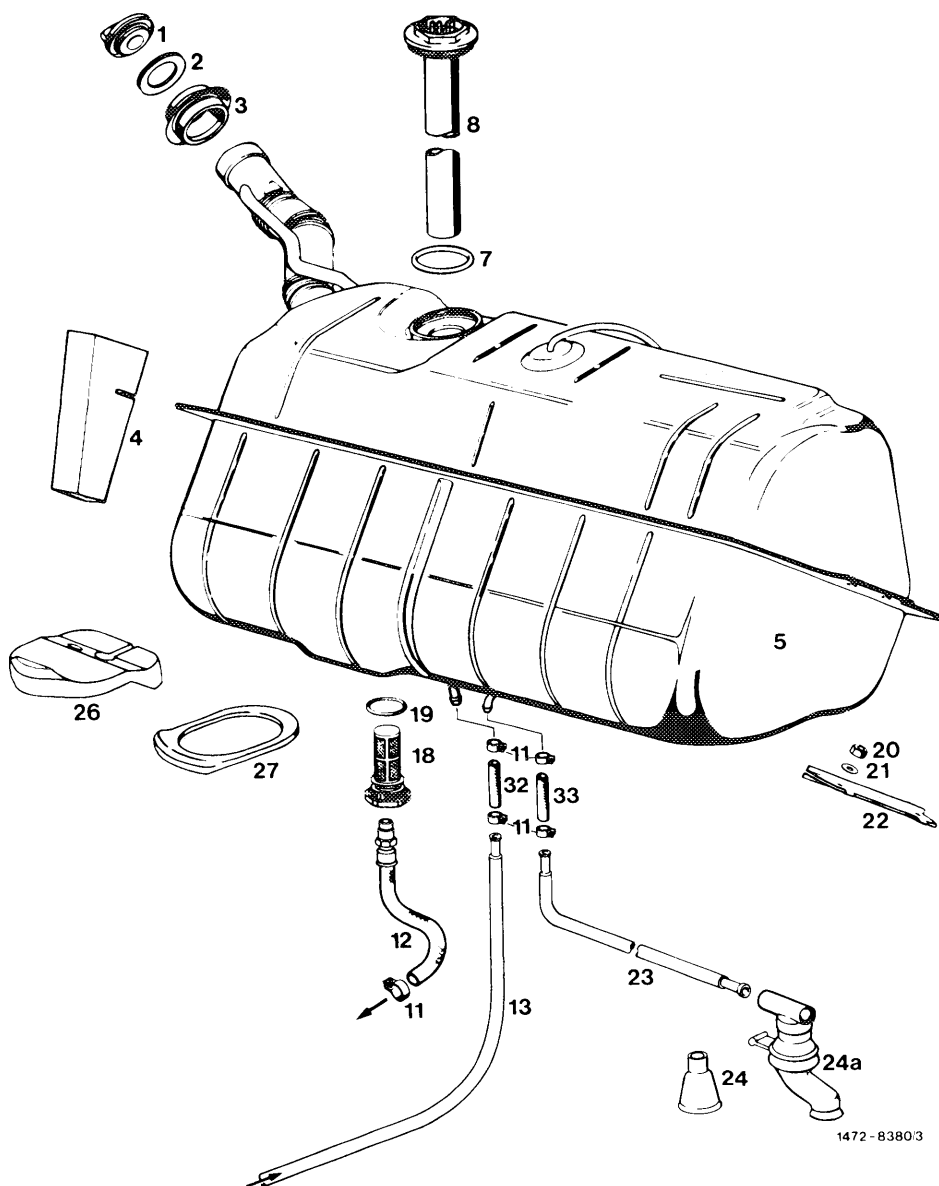
147-10021

# Fuel tank positive and negative venting system model 107.04



- |                               |                   |
|-------------------------------|-------------------|
| 13 Hose clamps                | 38 Closing cover  |
| 31 Protective sleeve          | 39 Gasket         |
| 32 Vent line                  | 40 Rubber grommet |
| 34 Fuel tank                  | 45 Expansion tank |
| 35 Sealing ring               | 46 Fuel hose      |
| 36 Immersion tube transmitter | 47 Fuel hose      |

# Fuel tank model 107.02, 116



- |                              |                       |                                |
|------------------------------|-----------------------|--------------------------------|
| 1 Filler cap                 | 12 Fuel forward flow  | 24 Venting sleeve 1st version  |
| 2 Seal                       | 13 Fuel return flow   | 24a Venting sleeve 2nd version |
| 3 Rubber sleeve              | 18 Fuel filter        | 26 Gasket                      |
| 4 Damping shim               | 19 Sealing ring       | 27 Gasket                      |
| 5 Fuel tank                  | 20 Nut                | 32 Fuel hose                   |
| 6 Gasket                     | 21 Washer             | 33 Fuel hose                   |
| 7 Sealing ring               | 22 Reinforcing member |                                |
| 8 Immersion tube transmitter | 23 Vent line          |                                |
| 9 Hose clamp                 |                       |                                |