

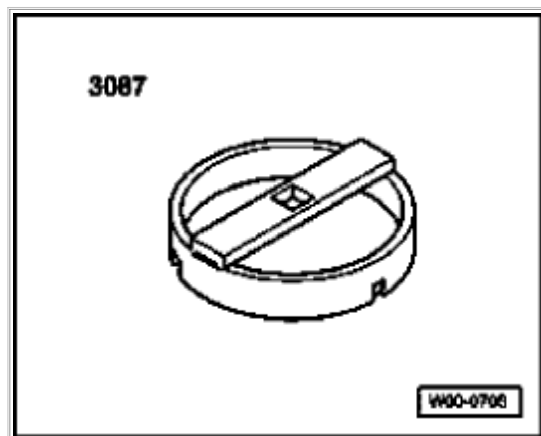
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Component Search:

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 Conversion Calculator**2004 Audi A4 L4-1.8L Turbo (AMB)**[Vehicle Level](#) → [Powertrain Management](#) → [Fuel Delivery and Air Induction](#) → [Fuel Pump](#) → [Service and Repair](#) → [Fuel Pump, Removing And Installing](#) → **FWD** ←**FWD**[Notes](#)**Removing And Installing Fuel Pump**

**CAUTION:** To remove the Fuel Pump (FP), the [fuel tank](#) may only be filled to a maximum of 3/4. Empty fuel tank if necessary.

**Recommended special tools and equipment**

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- 3087 wrench for tank sensor



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- VAS5190 fuel siphoning device

**Empty [fuel tank](#)**

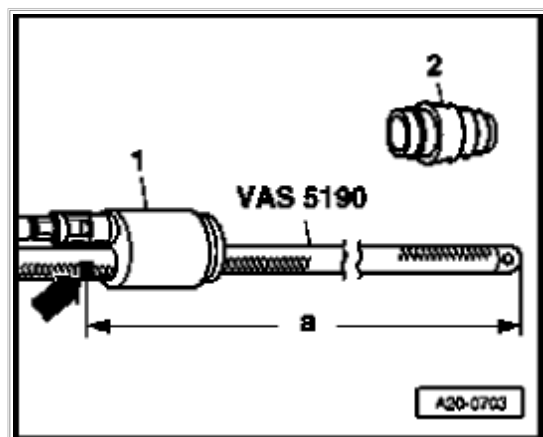
Observe safety precautions.

Observe rules for cleanliness.

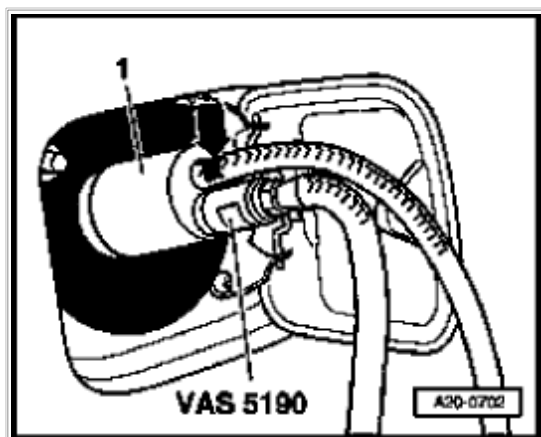
**CAUTION:** Observe safety precautions when disconnecting the battery.

- Disconnect battery Ground (GND) strap with the ignition switched off.

**CAUTION:** Secure Ground (GND) wire of VAS5190 to a blank portion of the chassis.

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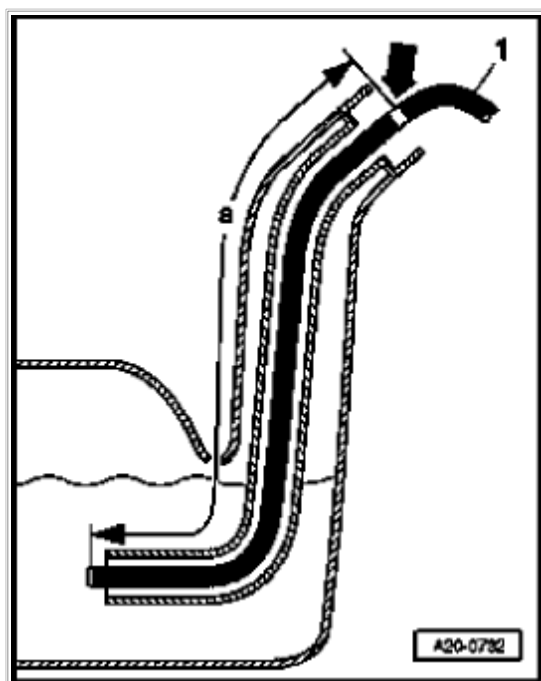
- Pull cone piece -2- from shaft piece -1- of VAS 5190.
- Using insulating tape, apply a mark -arrow- on hose at length **a = 1465 mm** from end of suction hose.
- Remove fuel filler cap from fuel filler tube.

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- Screw shaft piece -1- of VAS 5190 fuel siphoning device on to fuel filler tube of [fuel tank](#).
- Now slide suction hose as far into [fuel tank](#) until the mark applied earlier -arrow- stands on shaft piece.

**NOTE:**

- If using a siphoning device without shaft piece, proceed principally in the same manner.

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- In this case, apply a mark -arrow- on hose at length **a = 1400 mm** from end of suction hose using insulating tape. The suction hose is inserted correctly when the marking applied earlier stands opposite the lip of fuel filler tube.
- If the hose can only be inserted with difficulty, smear it thinly with engine oil. Never use lubricants containing silicon.
- Drain [fuel tank](#) through fuel filler tube.
- Carefully remove siphoning hose.

## Removing

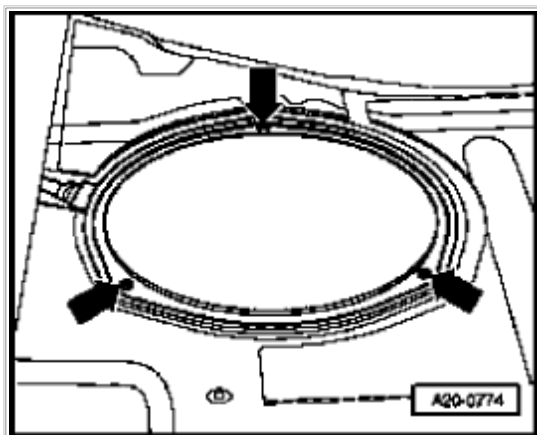
### Sedan:

- Remove luggage compartment lining.
- Push forward the right backrest of rear seat, if necessary.

### Avant:

- Remove left 1/3 backrest.
- Remove left side trim in luggage compartment and dirt tray.

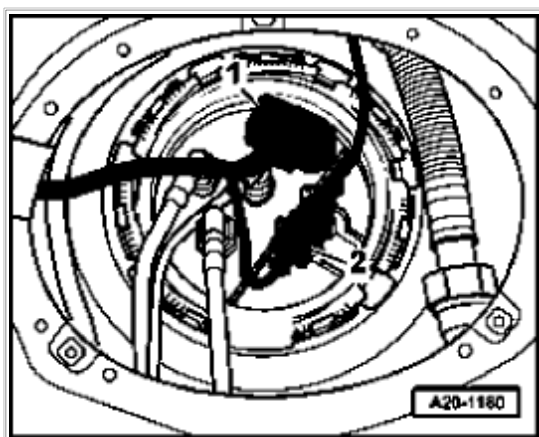
### All:



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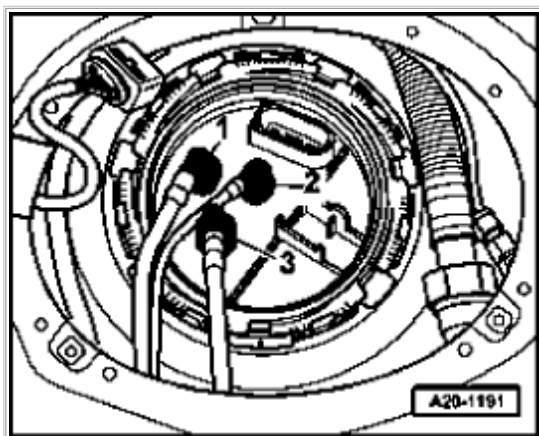
- Remove cover for connector flange (arrows).

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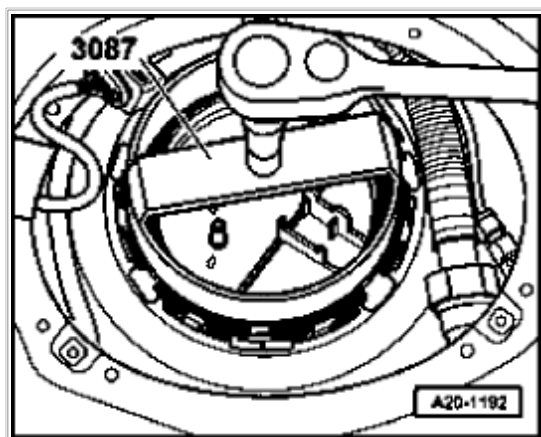
- Release and disconnect harness connector -1-.
- Disengage electrical harness connector -2- and lay it aside.

**CAUTION:**

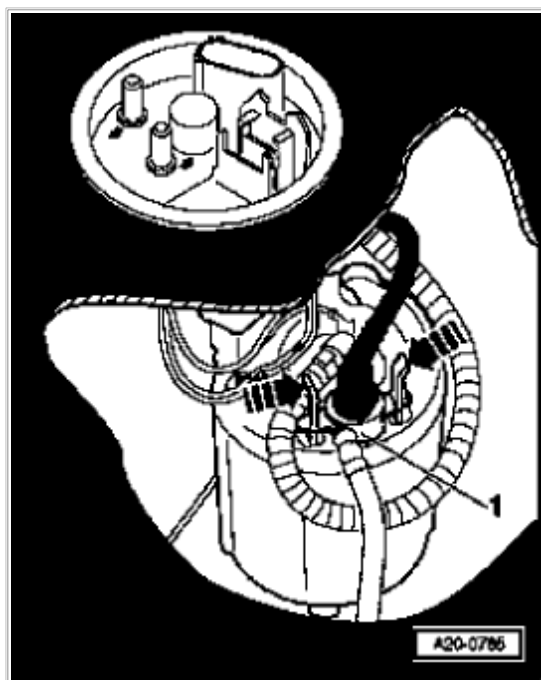
- Work on the fuel system must only be performed when engine is cold.
- Fuel system is under pressure. Before opening system, place rags around the connection area. Then release pressure by carefully loosening connection.

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- Mark and disconnect fuel supply line -1- and fuel return line -3- (press release tab).
- Disconnect ventilation line -2- (press release button).

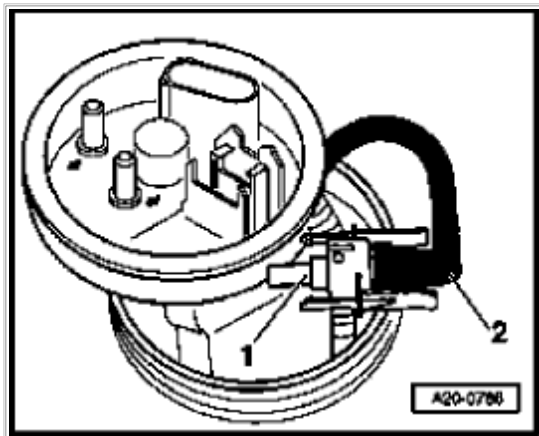
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- Use e.g. 3087 wrench to remove locking ring.
- Lift out fuel pump with sealing ring slightly from opening of [fuel tank](#)
- If Fuel Pump (FP) is still inserted in fuel tank, slide connector flange slightly to the side.

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- Grasp through the gap between connector flange and installation opening in [fuel tank](#) and release suction jet pump -1-.

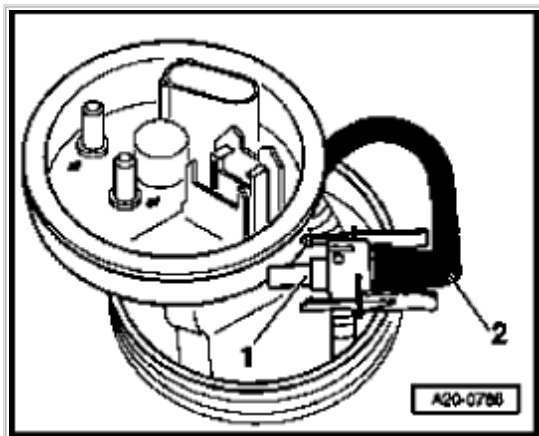
**NOTE:** [Fuel tank](#) is depicted as cut-out section.

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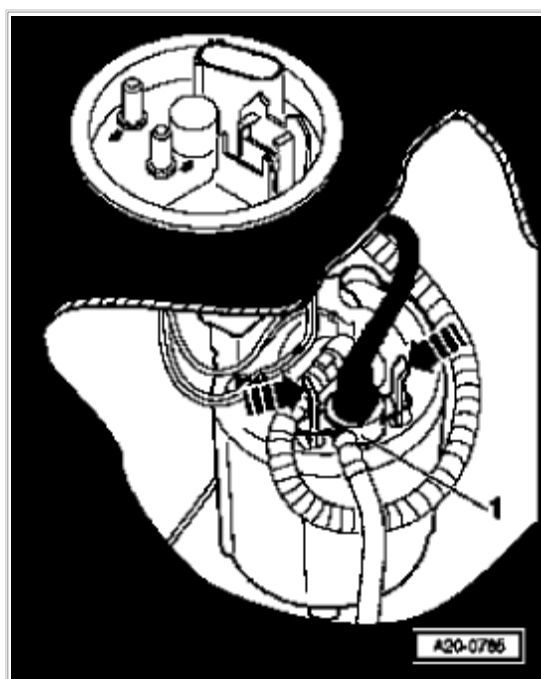
- Pull suction jet pump -1- upward with suction jet pipe -2- still connected.
- Disconnect suction jet pipe from suction jet pump (press release button).
- Remove suction jet pump.
- Remove Fuel Pump (FP).

### Installing

Installation is the reverse of removal, noting the following:

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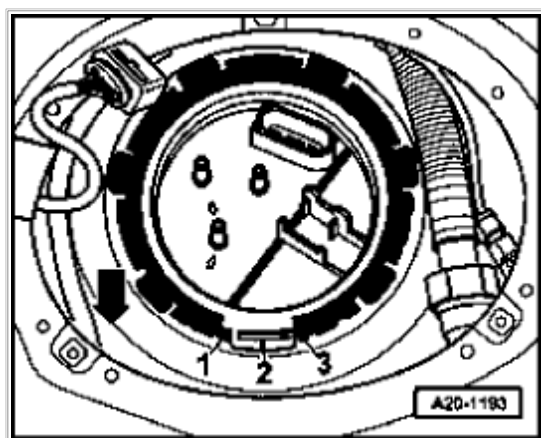
- Connect suction jet pipe -2- to connection for suction jet pump -1-.
- Insert Fuel Pump (FP) into [fuel tank](#).



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- Clip in suction jet pump -1- on Fuel Pump (FP). To do so, insert hand into gap between connector flange and installation opening of [fuel tank](#).
- Suction jet pump must engage audibly
- Insert new, dry seal for connector flange into opening of [fuel tank](#).

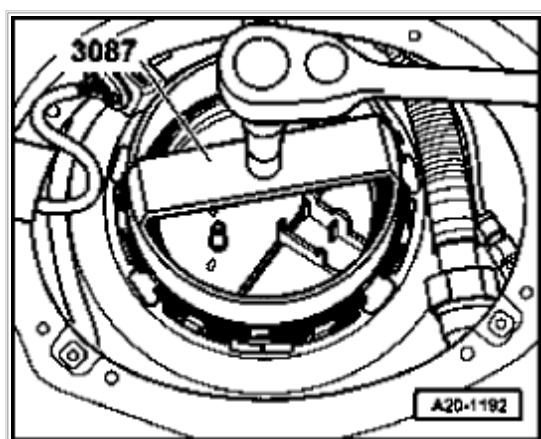


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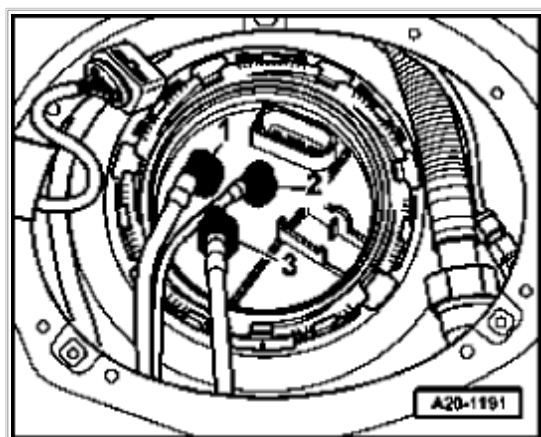
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- Note installation position of Fuel Pump (FP):
- The tab -2- on connector flange must lie between tabs -1- and -3- on [fuel tank](#).

**NOTE:** Arrow points in direction of travel.


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- Tighten locking ring.


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- Install fuel supply line -1- and fuel return line -3- according to the marking.
- Install ventilation line -2-.
- Connect electrical harness connectors.
- Observe safety precautions after connecting the battery.

### Tightening torques

Component	Nm
Locking ring for Fuel Pump (FP)	145
Battery terminal to battery post	6

**Final procedures**

After re-connecting the voltage supply, the following work steps must be performed in the mentioned sequence:

- 1 - Vent fuel system.
  - 2 - Check DTC memory, see "Mode 3: Check DTC memory".
  - 3 - If necessary, erase DTC memory, see "Mode 4: Reset/erase diagnostic data".
  - 4 - Generate readiness code.
- End diagnosis and switch ignition off.

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