

**AF06 - Replacing Fuel Low-pressure Line in the Engine Compartment (Stop Sale/ Recall)**

Vehicle Type: **Macan S/Macan Turbo**

Model Year: **As of 2014 up to 2016**

Concerns: **Fuel low-pressure line in engine compartment**

Information: **There is a possibility that the fuel low-pressure line can start to leak near the connection point to the distributor pipe on the affected vehicles.**

As a result, fuel could leak out at the connection point. If this happens, the customer may get a smell of fuel.

Action Required: Replace the fuel low-pressure line with an improved low-pressure line.  
Use **new** spring band clamps, **B14.5 x 12** for this.

Affected Vehicles: Only the vehicles assigned to the campaign (see also PIWIS Vehicle Information). This campaign affects 25,325 vehicles in North America.

Parts Info: **NOTE:** Pats will be automatically allocated to your dealership as PCNA receives stock. Please do not create a parts order for this recall.

Part No.	Designation – Use	Qty.
000 043 303 69	⇒ Fuel low-pressure line – Engine compartment	1 ea.
000 043 303 87	⇒ Spring band clamp, B14.5 x 12 – Fuel line	3 ea.

- Tools:
- Assembly pliers for spring band clamps, e.g. **VAS 6890 - Spring band clamp pliers**
  - Torque wrench, 6 – 50 Nm (4.5 – 37 ftlb.), e.g. **V.A.G 1331 - Torque wrench, 6-50 Nm (4.5-37 ftlb.)**
  - Open-jawed wrench insert for torque wrench, a/f 27, e.g. **9821 - Open-ended wrench insert, a/f 27**

The following tool is also required for carrying out the test drive:

- **9818 - PIWIS Tester II**

## Preliminary work

- Procedure:
- 1 Disconnect the battery.  
For instructions, see ⇒ *Workshop Manual '2X00IN Work instructions after disconnecting the battery'*.
  - 2 Remove engine design cover.
  - 3 Remove rear section of the trim panel at the front right.  
For instructions, see ⇒ *Workshop Manual '700219 Removing and installing front trim panel'*.

## Replacing fuel low-pressure line in the engine compartment



### Toxic substances

- Danger of poisoning or suffocation
- ⇒ Ventilate the work area well.
- ⇒ Never ingest or inhale.
- ⇒ Read specific information on the Hazard Sheet.
- ⇒ Wear personal protective gear.



### Highly flammable or explosive materials

- Danger of fire or explosion
- ⇒ Avoid contact with hot parts or sources of ignition.
- ⇒ Use suction to remove ignitable vapors.
- ⇒ Attach warning sign in a clearly visible position.

### NOTICE

#### Dirt on injection system components

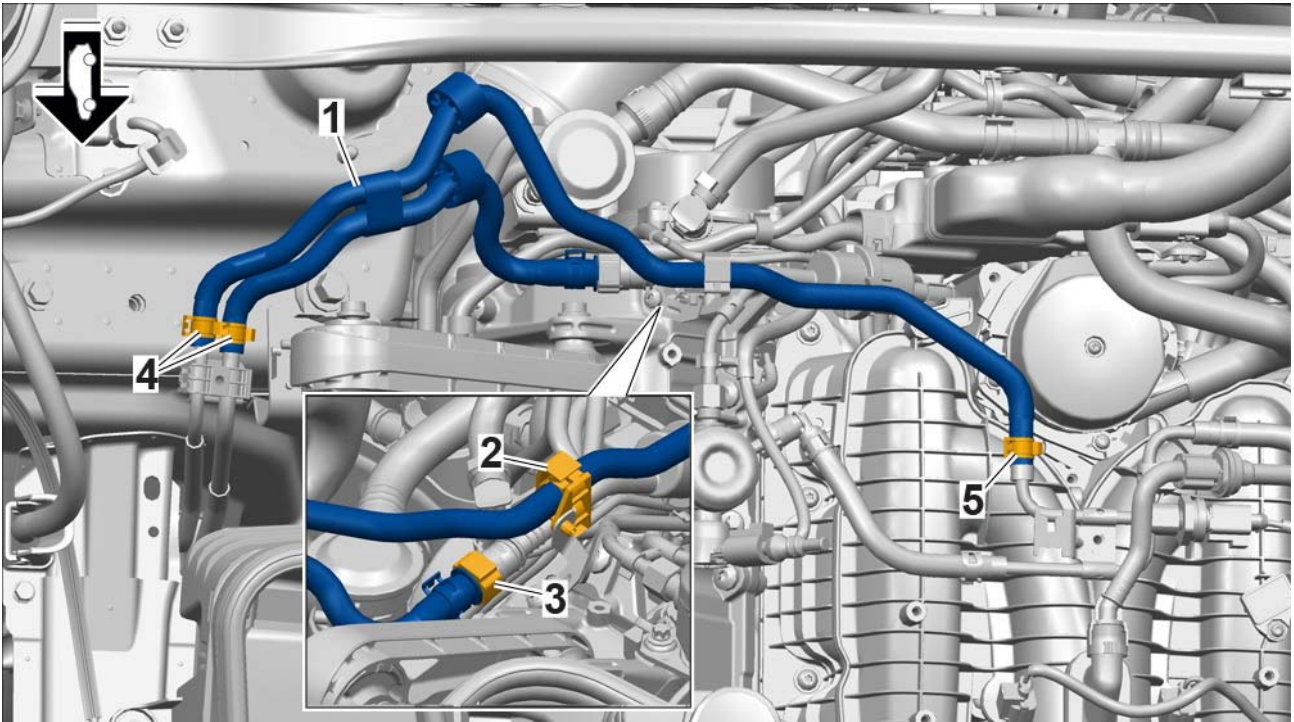
- Material damage
  - Rough-running engine
  - Bad exhaust emissions
- ⇒ Thoroughly clean connection points and adjacent areas before loosening them. If the engine is very dirty, wash it before starting disassembly work.
- ⇒ Lay removed parts on a clean surface and cover them. Do not use fibre-shedding cloths.

- ⇒ Carefully cover components or seal them if repair work will not be carried out immediately. Place rubber caps on connections. Seal intake openings with film or adhesive tape.
- ⇒ Only install clean parts. Do not take spare parts out of the packaging until just before installation.
- ⇒ Never use compressed air when the system is open. Do not move the vehicle.

Procedure:


**Information**

- The ignition must be switched off when working on the fuel system.
  - Soak up emerging fuel using suitable binding material or a cloth.
  - Cloths that have absorbed fuel must be disposed of according to the applicable national laws.
  - The fuel system must be depressurised before starting work on it.
  - Only work on the fuel system in well-ventilated rooms.
  - Any seals that were removed must always be replaced.
- 1 Carefully reduce the fuel pressure by loosening the fuel pressure sensor (low-pressure sensor).
    - 1.1 Loosen the fuel pressure sensor (low-pressure sensor) and unscrew it from the fuel distributor pipe by a few turns until fuel emerges.  
For instructions, see ⇒ *Workshop Manual '240919 Removing and installing fuel pressure sensor (low-pressure sensor)'*.
    - 1.2 As soon as the fuel pressure is reduced, tighten the fuel pressure sensor again using a suitable open-ended wrench insert, a/f 27, e.g. **9821 - Open-ended wrench insert, a/f 27** and a torque wrench. Counter at the fuel distributor pipe using an open-ended wrench.  
**Tightening torque 20 Nm (15 ftlb.)**
  - 2 Remove fuel low-pressure line ⇒ *Replacing fuel low-pressure line -1-*.



*Replacing fuel low-pressure line*

- 2.1 Release and open holder ⇒ *Replacing fuel low-pressure line -2-* for fuel low-pressure line. Remove the fuel line from the holder.
  - 2.2 Release quick connector ⇒ *Replacing fuel low-pressure line -3-* and pull out the fuel line.
  - 2.3 Loosen spring band clamps ⇒ *Replacing fuel low-pressure line -4-* and disconnect the fuel line from both connections for the fuel pipes.
  - 2.4 Loosen spring band clamp ⇒ *Replacing fuel low-pressure line -5-* and disconnect the fuel line from the distributor pipe.
  - 2.5 Remove fuel line.
- 3 **Install new** fuel low-pressure line ⇒ *Replacing fuel low-pressure line -1-*.
    - 3.1 **Slide new** spring band clamps ⇒ *Replacing fuel low-pressure line -4, 5-* onto the fuel line.
    - 3.2 Push the fuel line as far as it will go onto the fuel pipes and distributor pipe and secure with the spring line ⇒ *Replacing fuel low-pressure line -4, 5-*.
    - 3.3 Push the fuel line as far as it will go into the quick connector ⇒ *Replacing fuel low-pressure line -3-*.
    - 3.4 Place the fuel line in the holder ⇒ *Replacing fuel low-pressure line -2-* and lock the holder.

### Subsequent work

- Procedure:
- 1 Install rear section of the trim panel at the front right.  
For instructions, see ⇒ *Workshop Manual '700219 Removing and installing front trim panel'*.
  - 2 Connect the battery ⇒ *Workshop Manual '2X00IN Work instructions after disconnecting the battery'*.



#### Leaking fuel supply lines

- Emerging fuel
- Risk of fire

⇒ Perform leak test.

- 3 Bleed the fuel system and check for leaks.



#### Information

- The fuel system connections must not be opened in order to bleed the system. The fuel system is bled automatically when the engine is running.
  - If there is a larger quantity of air in the fuel system, the engine can go into limp-home mode during the test drive. If this happens, switch off the engine, erase the fault memory and continue the test drive.
- 3.1 Leave the engine running at idle speed for a few minutes without pressing the accelerator.
  - 3.2 Stop the engine and switch off the ignition.
  - 3.3 Perform a visual inspection for leaks on the fuel system.
  - 3.4 Then perform a test drive with at least one full-load acceleration.
  - 3.5 Check the fuel system for leaks again.
- 4 Install engine design cover.
  - 5 Enter the campaign in the Warranty and Maintenance booklet.

**Warranty Invoicing**

Scope:

**Working time:**

Replacing fuel low-pressure line in the engine compartment

Labor time: **94 TU**

Includes: Disconnecting and connecting battery  
 Removing and installing engine design cover  
 Removing and installing rear section of trim panel at the front right  
 Bleeding the fuel system and performing a visual inspection for leaks

**Parts required:**

000 043 303 69	Low-pressure fuel line	1 ea.
000 043 303 87	Spring band clamp, B14.5 x 12	3 ea.

**Warranty Invoicing:** ⇒ Damage code AF06 099 000 2

References: ⇒ *Workshop Manual '2X00IN Work instructions after disconnecting the battery'*  
 ⇒ *Workshop Manual '240919 Removing and installing fuel pressure sensor (low-pressure sensor)'*  
 ⇒ *Workshop Manual '700219 Removing and installing front trim panel'*

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