

WE11 Workshop campaign - Replacing vacuum lines for sound symposer

Vehicle Type: **911 Turbo (991)/991 Turbo S (991)**

Model Year: **2014**

Concerns: **Vacuum lines for sound symposer**

Information: This is to inform you of a voluntary Workshop Campaign on the above-mentioned vehicles. **There is a possibility that the vacuum line on the change-over valve for the sound symposer can slip off on the affected vehicles due to relative movements of the engine.**

As a result, there is no guarantee that the sound symposer and other vacuum-controlled actuators on the engine will function correctly. This causes the warning message "Fault cooling system" to be displayed in the instrument cluster.

Action Required: Replace vacuum line and clean-air line on the change-over valve for the sound symposer.

Affected Vehicles: The VIN(s) can be checked by using PIWIS Vehicle Information link to verify if the campaign affects the vehicle. This campaign is scope specific to the VIN! Failure to verify in PIWIS may result in an improper repair. This campaign affects 646 vehicles in North America.

Parts Info: **NOTE: DO NOT ORDER PARTS. THEY WILL BE AUTOMATICALLY ALLOCATED FOR UP TO 70% OF THE VEHICLES THAT ARE SERVICED AT YOUR DEALERSHIP. ONCE YOUR DEALERSHIP IS OUT OF STOCK AND REQUIRES ADDITIONAL PARTS, YOU SHOULD SUBMIT A PTEC/PAV.**

Part No.	Designation - Location	Qty.
000.043.209.42	⇒ Pipe - vacuum line	1 ea.
000.043.209.41	⇒ Angled pipe - vacuum line	1 ea.
000.043.209.39	⇒ Pipe - clean-air line	1 ea.

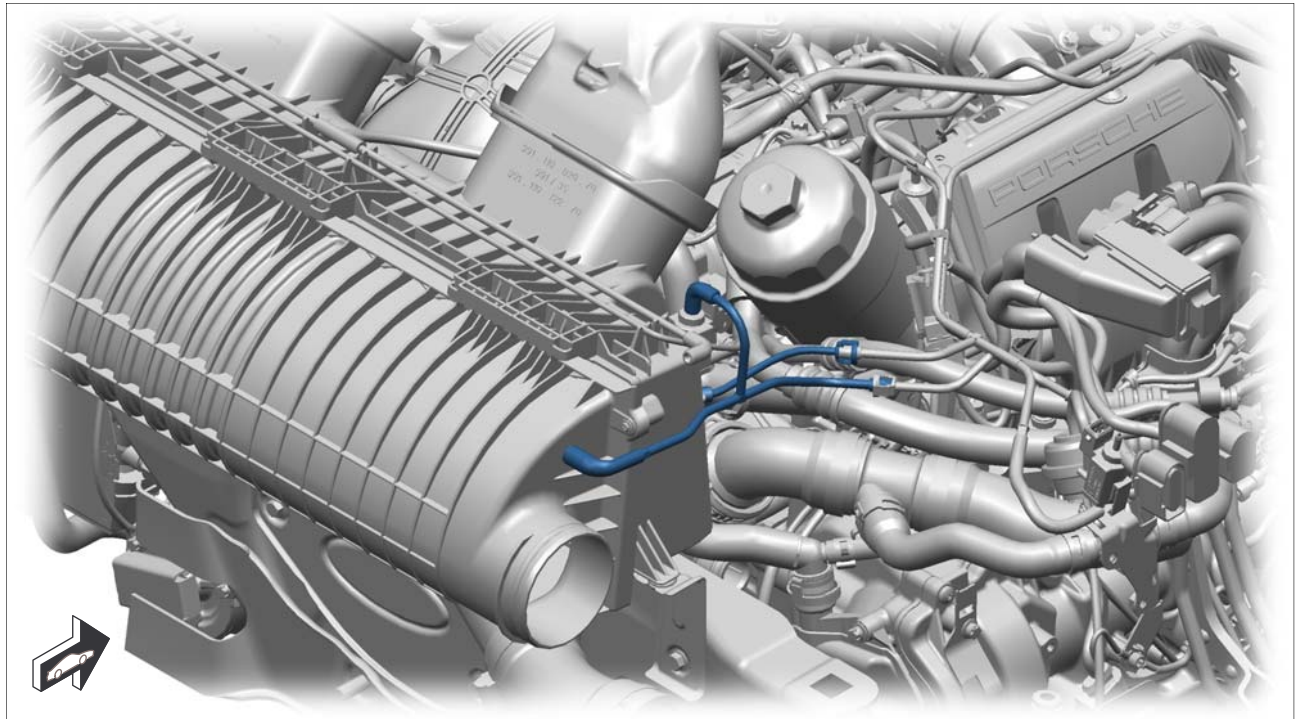
- Tools:
- **VAS 6228 - Cutting pliers** or Stanley knife
 - **Nr.90 Pos.1 - Torque wrench** (2-10 Nm/0-15 ftlb.)
 - **Nr.90 Pos.2 - Torque wrench** (4-20 Nm/3-15 ftlb.)
 - **Nr.90 Pos.3 - Torque wrench** (10-60 Nm/7.5-44 ftlb.)
 - Change-over ratchet

- Extension (short)
- Torx socket-wrench inserts T25, T30, T45
- Hexagon socket-wrench insert, a/f 10
- Plastic wedge
- Slotted screwdriver (medium)
- Steel rule
- Water-resistant pen

Work Procedure: See Attachment "A".

Claim Submission: See Attachmentt "B".

Installation Position:



Installation position of vacuum line for sound symposer

Attachment "A": **Work Procedure**

- 1 Make vacuum line for sound symposer.
A new vacuum line, Porsche Part No. **000.043.209.42** is required for this.



Information

To avoid malfunctions as a result of vacuum lines slipping off, the following points must be observed when fitting vacuum lines:

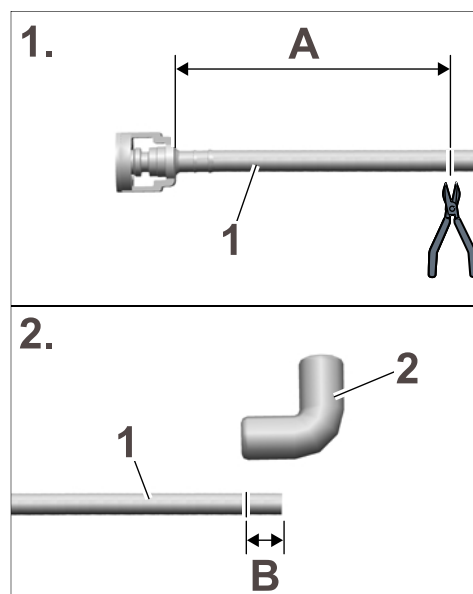
- Route vacuum lines without tension
- Push vacuum lines into the connection pieces as far as the marking (approx. 10 mm)
- If there is no marking at the ends of the vacuum line (e.g. on lines available by the meter), a marking must be made 10 mm from each end of the vacuum line using a water-resistant pen.
- Only use water – if required – as a sliding compound when fitting vacuum lines
- If vacuum lines have to be cut to size, only shorten them using cutting pliers (e.g. **VAS 6228 - cutting pliers**) or a Stanley knife to avoid crushing them

1.1 Make a marking on the vacuum line ⇒ *Making vacuum line -1-*, Porsche Part No. **000.043.209.42**, 113 mm from the quick connector ⇒ *Making vacuum line -dimension A-* using a water-resistant pen ⇒ *Making vacuum line -top-*.

1.2 Cut the vacuum line ⇒ *Making vacuum line -1-* at the marked position using **VAS 6228 - cutting pliers** or a Stanley knife. Only the part with the shrink-fit quick connector is required for carrying out the campaign.

1.3 Make a marking on the 113-mm length of the vacuum line ⇒ *Making vacuum line -1-10 mm* from the end of the line ⇒ *Making vacuum line -dimension B-* using a water-resistant pen ⇒ *Making vacuum line -bottom-*.

1.4 Push new angled pipe ⇒ *Making vacuum line -2-*, Porsche Part No. **000.043.209.41**, onto the vacuum line ⇒ *Making vacuum line -1-* as far as the marking.

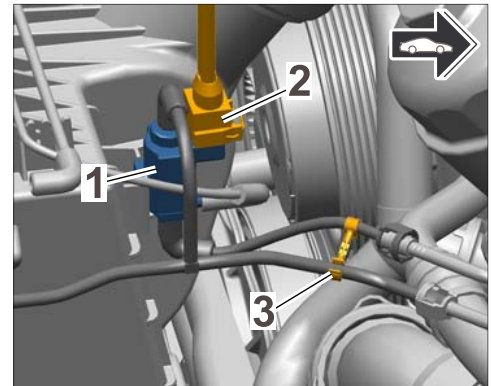


Making vacuum line

- 2 Remove rear spoiler ⇒ *Workshop Manual '665819 Removing and installing rear spoiler (Turbo)'*.
- 3 Remove clean-air line for the vacuum system.

3.1 Release and unplug electric plug connection ⇒ *Disconnecting electric plug connection -2-* on the change-over valve for the sound symposer ⇒ *Disconnecting electric plug connection -1-*.

3.2 Unclip line bracket ⇒ *Disconnecting electric plug connection -3-*, Porsche Part No. 999.507.866.40, on the lines and set it aside.

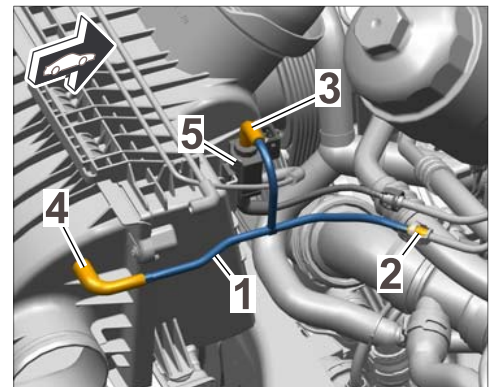


Disconnecting electric plug connection

3.3 Release and pull off clean-air line ⇒ *Removing clean-air line -1-* at the right quick connector ⇒ *Removing clean-air line -2-*.

3.4 Carefully pry off angled pipe ⇒ *Removing clean-air line -3-* on the change-over valve for the sound symposer ⇒ *Removing clean-air line -5-* using a slotted screwdriver and remove it.

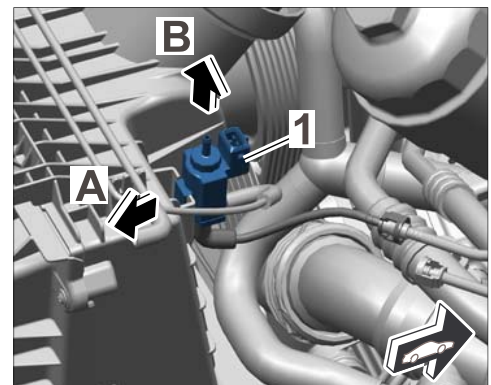
3.5 Carefully pry off connecting piece ⇒ *Removing clean-air line -4-* on the air cleaner housing using a slotted screwdriver and remove it. Remove clean-air line ⇒ *Removing clean-air line -1-*.



Removing clean-air line

4 Replace vacuum line for sound symposer.

4.1 Press locking hook on the change-over valve for the sound symposer ⇒ *Loosening change-over valve -1-* to the rear in order to release it ⇒ *Loosening change-over valve -arrow A-* and pull the change-over valve up off the air cleaner housing at the same time ⇒ *Loosening change-over valve -arrow B-*.



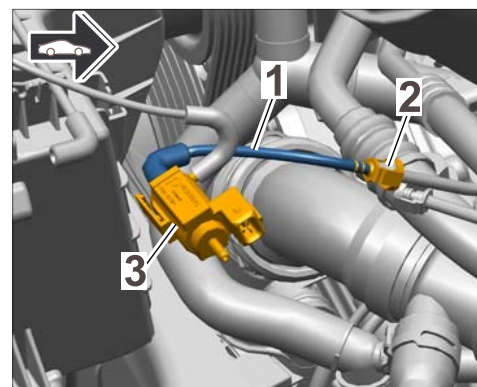
Loosening change-over valve

- 4.2 Release vacuum line ⇒ *Replacing vacuum line -1-* at the left quick connector ⇒ *Replacing vacuum line -2-* and disconnect it.



Information

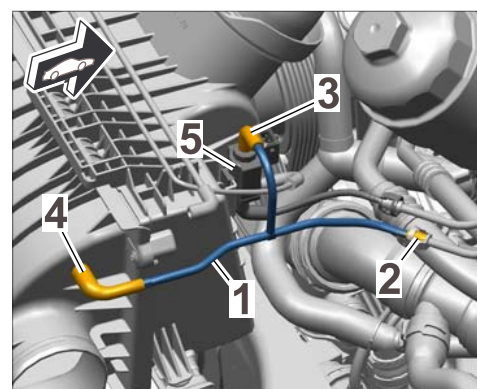
The vacuum line at the **side** connection on the change-over valve for the sound symposer must **not be replaced**. If necessary, check and make sure that the vacuum line and the angled pipe on the change-over valve are fitted correctly.



Replacing vacuum line

- 4.3 Carefully pry vacuum line ⇒ *Replacing vacuum line -1-* off the lower connection for the change-over valve for the sound symposer ⇒ *Replacing vacuum line -3-* using a slotted screwdriver and remove vacuum line.
 - 4.4 Connect the new vacuum line you made earlier in Step 1 ⇒ *Replacing vacuum line -1-* at the left quick connector ⇒ *Replacing vacuum line -2-* until the quick connector engages. Check that the vacuum line has engaged correctly in the quick connector by trying to pull off the line.
 - 4.5 Position angled pipe of the vacuum line ⇒ *Replacing vacuum line -1-* at the lower connection on the change-over valve ⇒ *Replacing vacuum line -3-* and fit it on as far as it will go. Make sure that the vacuum line remains pushed into the angled pipe as far as the marking.
 - 4.6 Position change-over valve for sound symposer ⇒ *Replacing vacuum line -3-* on the air cleaner housing and connect it until the locking hook engages.
- 5 Install new clean-air line, Porsche Part No. **000.043.209.39**, for the vacuum system.

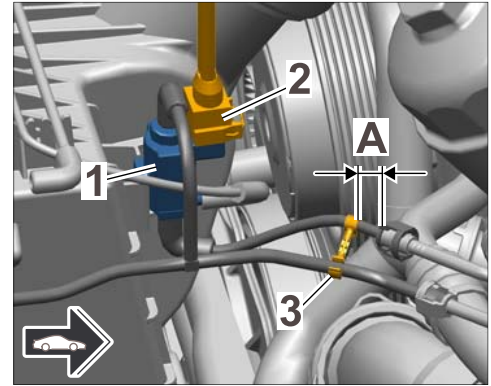
- 5.1 Connect new clean-air line ⇒ *Installing clean-air line -1-* at the right quick connector ⇒ *Installing clean-air line -2-* until the quick connector engages. Check that the clean-air line has engaged correctly in the quick connector by trying to pull off the line.
- 5.2 Connect angled pipe ⇒ *Installing clean-air line -3-* at the centre outlet of the clean-air line as far as it will go onto the upper connection on the change-over valve for the sound symposer ⇒ *Installing clean-air line -5-*.



Installing clean-air line

- 5.3 Connect angled pipe ⇒ *Installing clean-air line -4-* at the end of the clean-air line as far as it will go onto the connection on the air cleaner housing.

- 5.4 Position line bracket ⇒ *Connecting electric plug connection -3-* approx. **10 mm** from the left quick connector ⇒ *Connecting electric plug connection -dimension A-* on the clean-air line and vacuum line and clip it onto the lines.
- 5.5 Connect electric plug connection ⇒ *Connecting electric plug connection -2-* on the change-over valve for the sound symposer ⇒ *Connecting electric plug connection -1-* until the connector engages.



Connecting electric plug connection

- 6 Install rear spoiler ⇒ *Workshop Manual '665819 Removing and installing rear spoiler (Turbo)'*.

Attachment "B": **Claim Submission** - Workshop Campaign WE11

Warranty claims should be submitted via WWS/PQIS.

Open campaigns may be checked by using either the PIWIS Vehicle Information system or through PQIS Job Creation.

Labor, parts, and sublet will be automatically inserted when Technician is selected in WWS/PQIS. If necessary, the required part numbers will need to be manually entered into warranty system by the dealer administrator.

Working time:

Replacing vacuum lines for sound symposer

Labor time: **74 TU**

Includes: Removing and installing engine-compartment blower
Removing and installing tail lights
Removing and installing rear spoiler

Parts required:

000.043.209.42	Pipe (vacuum line)	1 ea.
000.043.209.41	Angled pipe	1 ea.
000.043.209.39	Pipe (clean-air line)	1 ea.

⇒ **Damage code WE11 066 000 2**

References: ⇒ *Workshop Manual '198119 Removing and installing engine-compartment blower'*
⇒ *Workshop Manual '943119 Removing and installing tail lights'*

⇒ Workshop Manual '665819 Removing and installing rear spoiler (Turbo)'

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