

WE33 - Replacing Tank Leakage Diagnosis Module (Workshop Campaign)

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

Model Year: **2015**

Country/Market:

- USA (C02)
- Canada (C36)

Equipment: Tank leakage diagnosis (I-no. **2G4**)

Concerns: **Tank leakage diagnosis module**

Information: This is to inform you of a voluntary Workshop Campaign on the above-mentioned vehicles. **There is a possibility that particles of dirt can get into the tank leakage diagnosis module and be deposited on the diaphragm seal under certain environmental conditions.**

This can result in incorrect tank leakage diagnosis in some cases.
The Check Engine light will be activated.

Action Required: Replace tank leakage diagnosis module.

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 568 vehicles in North America.

Parts Info:

Part No.	Designation	Qty.
000.043.209.76	⇒ Pressure switch for tank leakage diagnosis module	1 ea.
000.043.303.47	⇒ Grommet for tank leakage diagnosis module	1 ea.
Additional materials required:		
...	Tie-wrap, approx. 3.5 mm wide, approx. 140 mm long Similar to Part No. N 106.478.01	1 ea.*

* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.

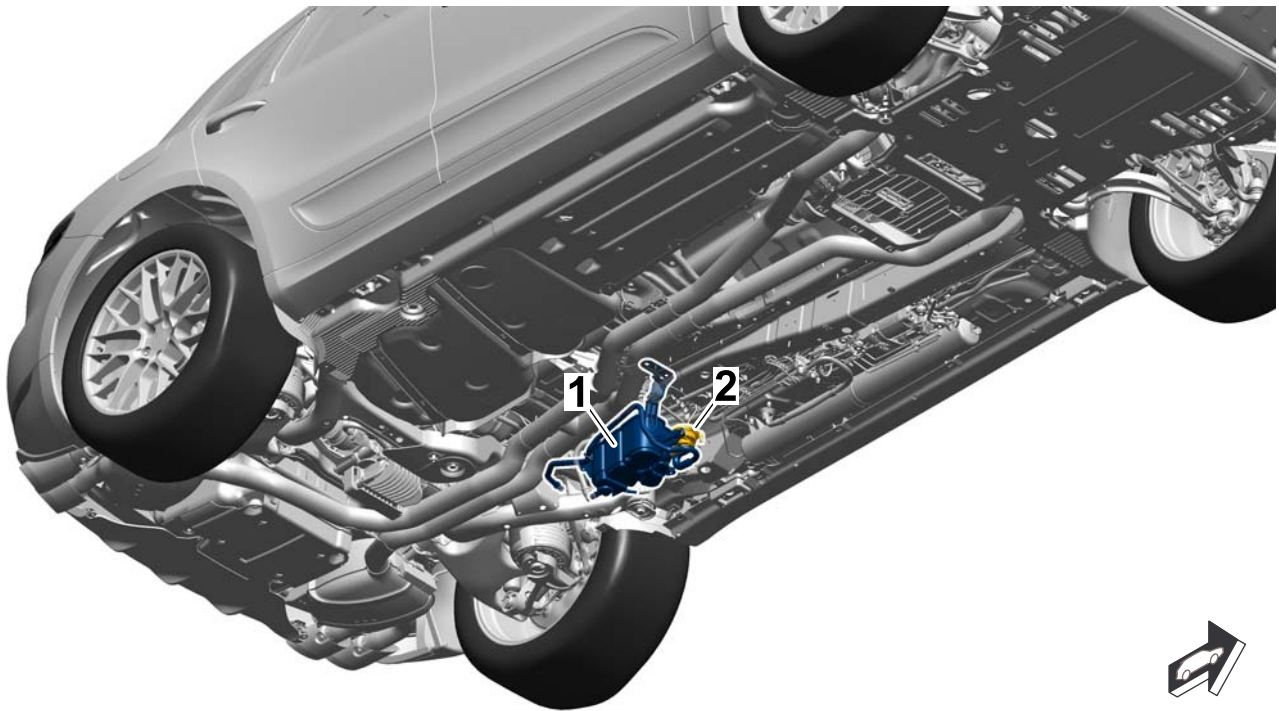
Tools:

- Torque screwdriver, e.g. **VAS 6494 - torque screwdriver** (1.5 – 3 Nm/1 – 2 ftlb.)

Work Procedure: See Attachment "A".

Claim Submission: See Attachment "B".

Installation Position:



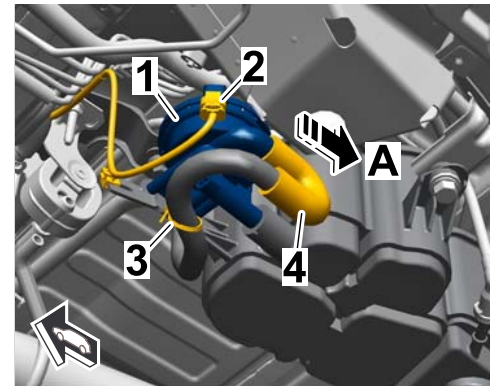
Installation position of tank leakage diagnosis module

- 1 – Carbon canister
- 2 – Tank leakage diagnosis module (**replace**)

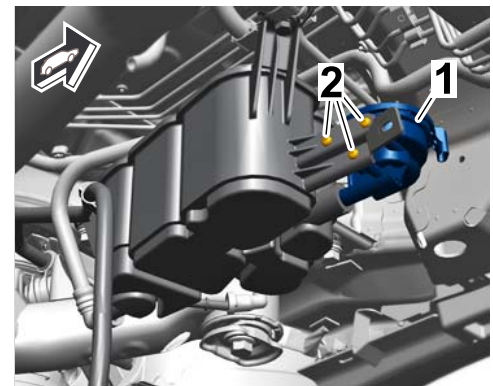
Attachment "A": **Work Procedure**

- 1 Raise the vehicle on a lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
- 2 Remove cover for center underbody at the left side ⇒ *Workshop Manual '519319 Removing and installing cover for centre underbody'*.
- 3 Remove tank leakage diagnosis module.

- 3.1 Release electric plug connection ⇒ *Disconnecting connections -2-* on the tank leakage diagnosis module ⇒ *Disconnecting connections -1-* and disconnect it.
- 3.2 Cut and remove tie-wrap ⇒ *Disconnecting connections -3-* on the hose line for tank ventilation.
- 3.3 Loosen connecting hose ⇒ *Disconnecting connections -4-* for tank ventilation at the tank leakage diagnosis module ⇒ *Disconnecting connections -1-* and pull it off ⇒ *Disconnecting connections -A-*.
- 3.4 Loosen and unscrew fastening screws ⇒ *Loosening tank leakage diagnosis module -2-* for the tank leakage diagnosis module ⇒ *Loosening tank leakage diagnosis module -1-*.

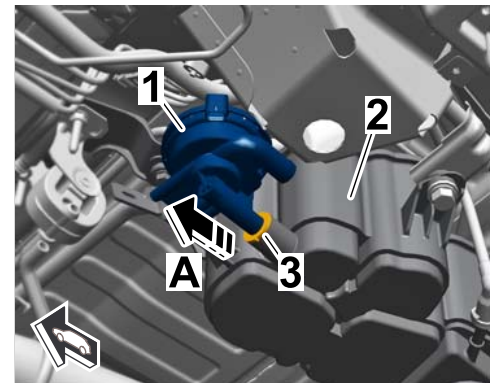


Disconnecting connections



Loosening tank leakage diagnosis module

- 3.5 Carefully pull tank leakage diagnosis module ⇒ *Removing tank leakage diagnosis module -1-* out of the connection on the carbon canister ⇒ *Removing tank leakage diagnosis module -2-* and remove it ⇒ *Removing tank leakage diagnosis module -A-*. Remove sealing grommet ⇒ *Removing tank leakage diagnosis module -3-* between the tank leakage diagnosis module and carbon canister.



Removing tank leakage diagnosis module

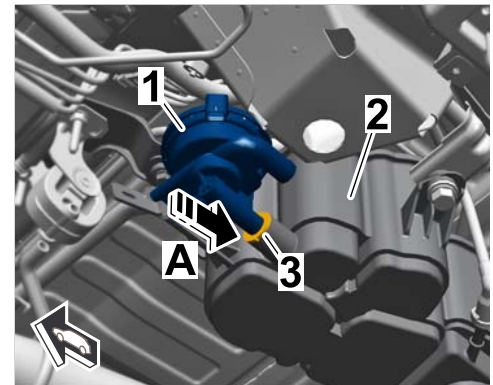
- 4 Install new tank leakage diagnosis module, Part No. 000.043.209.76.

**Information**

The following installation sequence must always be observed in order to prevent leaks that can cause fuel or fuel vapors to leak out.

No lubricant (grease, etc.) must be used on the sealing grommet in order to fit the tank leakage diagnosis module on the carbon canister.

- 4.1 Push new sealing grommet ⇒ *Installing tank leakage diagnosis module -3-*, Part No. 000.043.303.47, for the tank leakage diagnosis module fully into the connection on the carbon canister ⇒ *Installing tank leakage diagnosis module -2-*.
- 4.2 Carefully push connecting pipe for the tank leakage diagnosis module ⇒ *Installing tank leakage diagnosis module -1-* through the sealing grommet and as far as it will go ⇒ *Installing tank leakage diagnosis module -3-* into the connection on the carbon canister ⇒ *Installing tank leakage diagnosis module -2-* (⇒ *Installing tank leakage diagnosis module -A-*).
- 4.3 Screw in and tighten fastening screws ⇒ *Securing tank leakage diagnosis module -2-* for the tank leakage diagnosis module ⇒ *Securing tank leakage diagnosis module -1-*.
**Tightening torque 1.5 Nm (1 ftlb.)
+/-0.3 Nm (+/-0.2 ftlb.)**

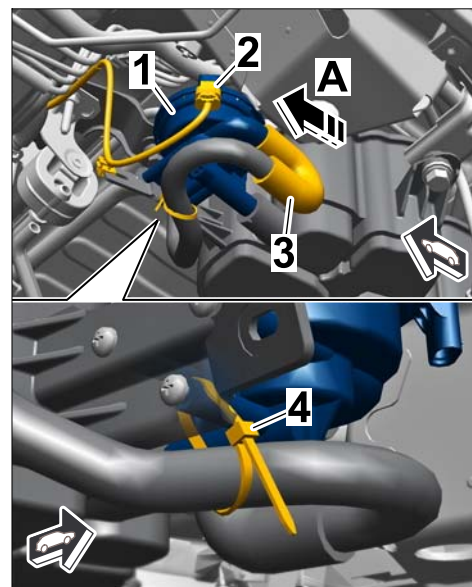


Installing tank leakage diagnosis module



Securing tank leakage diagnosis module

- 4.4 Push connecting hose ⇒ *Connecting connections -3-* for tank ventilation as far as it will go onto the tank leakage diagnosis module ⇒ *Connecting connections -1-* (⇒ *Connecting connections -A-*).
- 4.5 Secure hose line for tank ventilation as shown ⇒ *Connecting connections -bottom-* using a suitable tie-wrap ⇒ *Connecting connections -4-*, e.g. Part No. N 106.478.01, on the tank leakage diagnosis module.
- 4.6 Connect electric plug connection ⇒ *Connecting connections -2-* to the tank leakage diagnosis module ⇒ *Connecting connections -1-* until the connector engages securely.



Connecting connections

- 5 Install cover for center underbody at the left side ⇒ *Workshop Manual '519319 Removing and installing cover for centre underbody'*.
- 6 Lower the vehicle and remove it from the lifting platform.
- 7 Enter the workshop campaign in the Warranty and Maintenance booklet.

Attachment "B": **Claim Submission** - Workshop Campaign WE33
 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 tank leakage diagnosis module		Labor time: 45 TU
Includes:	Raising and lowering the vehicle	
	Removing and installing cover for centre underbody	
Parts required:		
000.043.209.76	Pressure switch for tank leakage diagnosis module	1 ea.
000.043.303.47	Grommet	1 ea.

WE330000001* Tie-wrap* 1 ea.*
(for warranty invoicing only)

* The WWS Warranty system will automatically add into the "Miscellaneous item" section (sublet) of the claim after the claim has been submitted.

⇒ Damage code WE33 066 000 2

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