

## WKJ3 - Replacing Tank Leakage Diagnosis Module (Workshop Campaign)

Model Line: **Boxster (981)/Cayman (981)**

Model Year: **As of 2013 up to 2016**

Equipment: Tank leakage diagnosis (I-no. 664)

Subject: **Tank leakage diagnosis module**

Information: **Under certain regional environmental conditions, e.g. dust and humidity, there is a possibility that particles of dirt can get into the tank leakage diagnosis module.**

This can cause over-sensitive tank leakage diagnosis and the Check Engine light may be activated.

Remedial Action: Replace tank leakage diagnosis module and air filter for carbon canister.

Affected Vehicles: Only the vehicles assigned to the campaign (see also PIWIS Vehicle information). This campaign affects 17,975 vehicles in North America

### Parts required

Parts Info:	Part No.	Designation	Qty.
	00004321110	⇒ Pressure switch for tank leakage diagnosis module	1 ea.
	00004321007	⇒ Filter	1 ea.

### Required tools

- Tools:
- Torque screwdriver, 1.5 – 3 Nm (1 – 2 ftlb.), e.g. **Torque screwdriver, 1.5-3 Nm (1-2 ftlb.), VAS 6494**
  - Torque wrench, 6 – 50 Nm (4.5 – 37 ftlb.), e.g. **Torque wrench, 6-50 Nm (4.5-37 ftlb.), VAG 1331A**

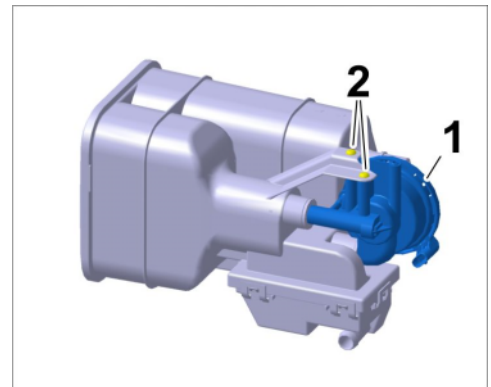
### Replacing tank leakage diagnostic module

Work Procedure: 1 Removing carbon canister

- 1.1 Move cover in luggage compartment to service position ⇒ *Workshop Manual '852219 Removing and installing cover'.*

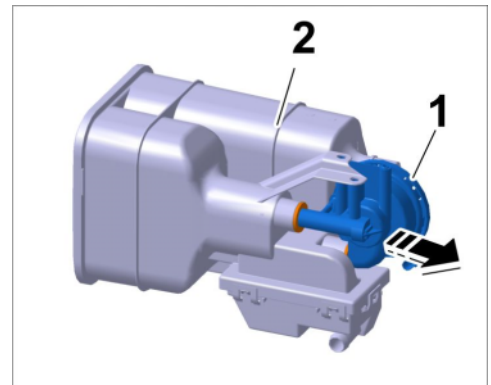
- 1.2 Loosen battery retaining bracket and push the battery with connected lines to the right. For instructions, see ⇒ *Workshop Manual '270619 Removing and installing battery'*.
  - 1.3 Open housing cover for pre-filter and remove the pre-filter ⇒ *Workshop Manual '850819 Removing and installing air intake pre-filter'*.
  - 1.4 Remove carbon canister with tank leakage diagnosis module ⇒ *Workshop Manual '202519 Removing and installing carbon canister'*.
- 2 Remove tank leakage diagnosis module from the carbon canister.

- 2.1 Loosen and unscrew fastening screws ⇒ *Loosening tank leakage diagnosis module -2-* for the tank leakage diagnosis module ⇒ *Loosening tank leakage diagnosis module -1-*.



*Loosening tank leakage diagnosis module*

- 2.2 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-* (⇒ *Removing tank leakage diagnosis module -arrow-*) and remove it.



*Removing tank leakage diagnosis module*

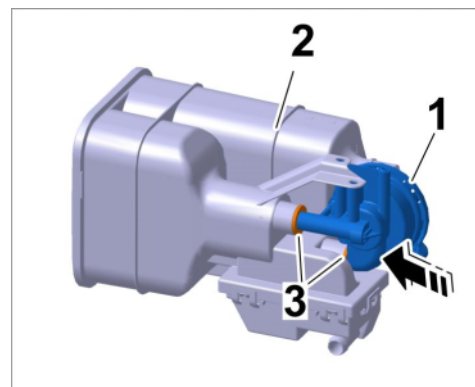
### 3 Install new tank leakage diagnosis module



#### Information

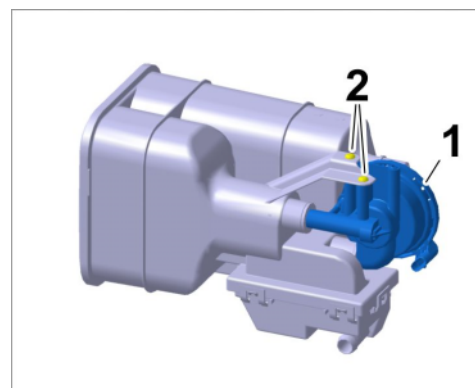
The following installation sequence must always be observed in order to prevent leaks that can cause fuel or fuel vapors to leak out.

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



*Installing tank leakage diagnosis module*

- 3.1 Check the position of the sealing sleeves  
 ⇒ *Installing tank leakage diagnosis module -3-*. If necessary, pull the sealing sleeves off the tank leakage diagnosis module you have just removed without using tools and press them into the carbon canister ⇒ *Installing tank leakage diagnosis module -2-*.
- 3.2 Carefully push connecting pipes for the tank leakage diagnosis module ⇒ *Installing tank leakage diagnosis module -1-* through the sealing sleeves ⇒ *Installing tank leakage diagnosis module -3-* as far as they will go into the connection on the carbon canister ⇒ *Installing tank leakage diagnosis module -2-* (⇒ *Installing tank leakage diagnosis module -arrow-*).
- 3.3 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.)**



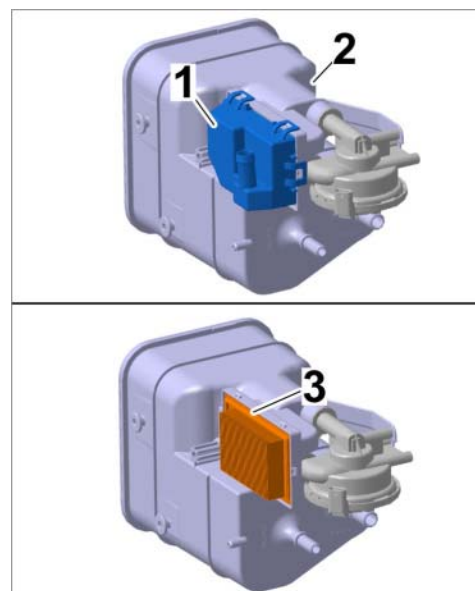
*Securing tank leakage diagnosis module*

4 Replace air filter on the carbon canister

- 4.1 Unclip cover ⇒ *Replacing air filter -1-* all around the carbon canister ⇒ *Replacing air filter -2-* and remove it.
- 4.2 Remove air cleaner ⇒ *Replacing air filter -3-* and replace it with a **new** air cleaner.
- 4.3 Position cover ⇒ *Replacing air filter -1-* on the carbon canister ⇒ *Replacing air filter -2-* and press it in until all locking lugs engage securely.

5 Installing carbon canister

- 5.1 Install carbon canister with tank leakage diagnosis module ⇒ *Workshop Manual '202519 Removing and installing carbon canister'*.
- 5.2 Install pre-filter ⇒ *Workshop Manual '850819 Removing and installing air intake pre-filter'*.
- 5.3 Secure the battery ⇒ *Workshop Manual '270619 Removing and installing battery'*.
- 5.4 Install cover in luggage compartment ⇒ *Workshop Manual '852219 Removing and installing cover'*.



*Replacing air filter*

6 Enter the campaign in the Warranty and Maintenance booklet.

## Warranty processing

Scope 1:

### Working time:

Replacing tank leakage diagnosis module

Labor time: **58 TU**

Includes: Removing and installing cover in luggage compartment  
Loosening and securing battery  
Removing and installing pre-filter  
Removing and installing carbon canister with tank leakage diagnosis unit

### Parts required:

00004321110	Pressure switch for tank leakage diagnosis module	1 ea.
00004321007	Filter	1 ea.

⇒ Damage Code WKJ3 066 000 2

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