

Creaking Noises when Releasing the Footbrake: Observe Specified Procedure (187/24)

Model Line: **Taycan (Y1A / Y1B / Y1C)**

Model Year: **As of 2020**

Concerns: **Brake system**

Cause: **The customer complains of a creaking noise occasionally when the footbrake is released.**

Cause: Electric vehicles have a valve installed in the hydraulic unit that separates the wheel brakes on the rear axle from the brake master cylinder during recuperative braking. Technically, the smallest air bubbles can form in the immediate vicinity of this valve, which can cause the described noise symptoms under certain conditions (depending on outside temperature, among other things). Otherwise, these smallest air bubbles have no effect on braking behavior.



Information

This behavior is technically necessary and is state-of-the-art.
This does not affect the efficiency of the brake system.

Component replacement will not work in this case.

Action: If there is a customer complaint, carry out the ARBO recall campaign. If the ARBO recall campaign has already been carried out, or the vehicle is not affected by this campaign: Bleed the brake system.

3D Information: You can find a noise recording of a vehicle for which a complaint has been received under the following link.

4770IN Brake booster information

Required material

Material: **Required materials** (usually already available in the Porsche Center):

Part No.	Designation – Location	Quantity
00004321086	⇒ Brake fluid, 30-liter/ 7.9 gal container - Brake system	Quantity as required

Required Tools

- Tool:
- **P90999 - PIWIS Tester 4**
 - Battery charger with a current rating of **at least 90 A**, e.g., **VAS 5908 - battery charger 90 A**. For further information about the battery chargers to be used, see the corresponding Workshop Manual.
⇒ *Workshop Manual '270689 Charging 12-volt lithium-ion vehicle electrical system battery'*
 - Brake filling and bleeding equipment, e.g. **VAS 6860 - Brake filling and bleeding equipment**

Bleeding brake system**Information**

If the vehicle is assigned to the ARB0 recall campaign, and it has not yet been carried out, carry out the ARB0 recall campaign.

For work procedure, see: ⇒ *Technical Information 'ARB000 ARB0 Stop delivery / recall campaign - Replacing left and right brake hose on front axle'*

Processing of this Technical Information (TI) is not required in this case.

If the ARB0 recall campaign has already been carried out, or the vehicle is not affected by this campaign, bleed the brake system as described below.

- Work Procedure: 1 Perform the following bleeding routines one after the other.
- 1.1 Perform **conventional bleeding** of the entire brake system.
 - 1.2 **Commission the electric brake booster (EBB)** using **P90999 - PIWIS Tester 4**.
 - 1.3 Perform **bleeding routine of Porsche Stability Management (PSM)** using **P90999 - PIWIS Tester 4**.

For work procedure, see: ⇒ *Workshop Manual '470107 Bleeding brake system'*

Labor position and PCSS encryption

Labor position:

APOS	Labour operation	I No.
47010740	Bleeding brake system	

PCSS encryption:

Location (FES5)	47700	Brake booster
Damage type (SA4)	2017	jars, creaks

Important Notice: Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.

© 2024 Porsche Cars North America, Inc.