

Symptom - Creaking/Squeaking Noises When Pressing the Brake Pedal: Bleeding the Brake System (SY 171/21)

Vehicle Type: **Cayenne E-Hybrid (9YA)/Cayenne Turbo S E-Hybrid (9YA)/Cayenne E-Hybrid Coupe (9YB)/Cayenne Turbo S E-Hybrid Coupe (9YB)**

Model Year: **As of 2019**

Concerns: **Brake system**

Symptom: The customer complains of a creaking/ squeaking noise at times when the foot brake is pressed.

Cause: Hybrid vehicles have a valve 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 behaviour.



Information

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

Remedial Action: Bleed the brake system according to the various routines.
Component replacement will not work in this case.

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 tools

Tool: • Brake filling and bleeding equipment, e.g. **VAS 6860 - Brake filling and bleeding equipment**

Bleeding the brake system

Work Procedure: To do this, perform the following routines in the specified sequence.

- Conventional bleeding.
- Commissioning electric brake booster (eBKV)
- Porsche Stability Management (PSM) bleeding routine

For instructions, see:

⇒ *Workshop Manual '470107 Bleeding the brake system'*

Invoicing

Invoicing: For documentation and warranty invoicing, enter the working position and PCSS encryption specified below in the warranty claim:

APOS	Labor operation	I No.
47010715	Bleeding the brake system	

PCSS encryption:

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

References: ⇒ *Workshop Manual '470107 Bleeding the brake system'*

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