



Technical Service Bulletin

45 Noise when braking vehicle gently, just before vehicle stops (between 10 mph and 3 mph)

45 25 52 2076546/1 January 9, 2025.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q4 e-tron and Q4 Sportback e-tron	2022 - 2025	All	Not Applicable

Condition

Customer states:

- The brake pedal vibrates/pulsates noticeably when braking the vehicle gently just before it comes to a stop (between 8 mph and 3 mph).

and/or

- Noises can be heard when braking the vehicle gently just before it comes to a stop (between 8 mph and 3 mph).

and

- When braking the vehicle gently with the selector lever in position N, no noises can be heard and/or no vibrations/pulsations can be felt just before it comes to a stop (between 8 mph and 3 mph).

Workshop findings:

- The customer statement can be reproduced.

Technical Background 1

The noises/vibrations/pulsations are caused by the running of the pump in the ESC hydraulic unit. This operating noise is construction-related and entirely normal. No damage occurs to components.

When the vehicle is braked gently via the recuperation function, the transfer to the hydraulic brakes takes place between 8 mph and 3 mph. To build up the required brake pressure in the hydraulic system, the pump starts running at a low speed. This can sometimes be felt as a brake pedal vibration or heard as a noise in the interior. When the vehicle is braked with the selector lever in position N, the pump for the ESC hydraulic unit does not start running as no recuperation is performed.

NOTICE

In the event of a complaint, please do not perform any repairs. The noises/vibrations/pulsations are construction-related and entirely normal. No damage occurs to components.

- The operating noises are from the ESC hydraulic unit and are not a technical fault which is covered by warranty.**



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NOTICE

However, if the noises/vibrations are particularly loud/strong, you must check whether the brake lines in the area of the ESC system and/or electromechanical brake servo are under tension or make unwanted contact.

Production Solution

Not applicable

Service

NOTICE

Please explain the technical background to the customer.

Warranty

This TSB is informational only and not applicable to any Audi Warranty.

Additional Information

All part and service references provided in this TSB (**2076546**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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