

**Jangling Noises from the Front Axle Area when Driving over Uneven Surfaces: Observe Specified Work Procedure (SY 114/25)**

Model Line: **Macan (XAB)**

Model Year: **As of 2024 up to 2025**

Equipment: Porsche Active Suspension Management (PASM) and steel suspension (**M-No. 1BH**)  
Adaptive air suspension with levelling system and height adjustment including Porsche Active Suspension Management (PASM) (**M-No. 1BK**)

Concerns: **Front axle**

Symptom: **The customer complains about a jangling, knocking or tapping noise when driving over uneven road surfaces on the front axle.**

Cause: Under certain circumstances, this complaint can be caused by the **anti-dive function**, which prevents the front end from dipping during braking.



**Information**

Noises that occur due to the design of the **anti-dive function** in uneven roads or overriding obstacles, such as road edges, speed bumps, can be interpreted **incorrectly** as a component defect.

If the noises are caused by the **anti-dive function**, **there is no component defect and the noises can be assessed as normal and safe.**

Remedial Action: Check whether the noise complained about is caused by the **anti-dive function**, proceed as follows to do so.

- 1 In the following driving situation, the noise is caused by the **anti-dive function**:
  - Approaching obstacles such as road edges, speed bumps at approx. 40 km/h (25mph)\*
  - Actuate the brake slightly and leave it applied (light pedal pressure to reduce the speed in such a way that the obstacle is crossed at approx. 20 km/h (12mph))
  - **Release the brake quickly immediately before the obstacle** and roll over the obstacle
  
- 2 In the following driving situation, the noise is **not** caused by the **anti-dive function**:
  - Approach obstacles such as road edges, speed bumps with ample space at a low speed
  - Actuate the brake slightly and leave it applied (light pedal pressure to reduce the speed in such a way that the obstacle is crossed at approx. 20 km/h (12mph))
  - **Release the brake well before the obstacle** and roll over the obstacle

If the noise is **only** present in the first driving situation, inform the customer that the noises are **design-related** and caused by the **anti-dive function** and do not constitute a defect.

If the noise is present in **both** driving situations, it is **not** caused by the **anti-dive function** and troubleshooting must be continued otherwise.

**Information**

\* Adjust speed if necessary if the customer complaint occurs at a different speed.

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