

Technical Service Bulletin



40 Squeaking suspension strut

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Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8 (D4)	2011-2013	All	Air Suspension (PR-1BK)

Condition

Customer may hear squeaking or beeping noises from front of vehicle when driving on uneven roads after a stationary period. This condition occurs on vehicles with air suspension (PR-1BK) if the damper was very warm when the engine was switched off. The noise disappears as the damper warms up, after compressing once or twice.

Technical Background

Bubbles are created in the oil because of temperature fluctuations, particles, and high oil flow speed. The bubbles gather around the damping adjustment valve when the engine is switched off. When the vehicle is started again, the cold oil prevents the bubbles from being dispersed quickly, which reduces the hydraulic damping. The reduced hydraulic damping causes the armature in the damper to vibrate, which creates squeaking noises.

As soon as the bubbles have been dispersed, the hydraulic damping works fully and the noise disappears.

Production Solution

Not applicable.

Service

No service is necessary. This condition is a comfort issue, and road safety is not affected. Explain the cause of the noise to the customer, and explain that the noise will disappear as the damper warms up after compressing once or twice and the bubbles are dispersed.

Warranty

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

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Additional Information

All parts and service references provided in this TSB are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.