



Technical Service Bulletin

46 Corrosion on friction surface of steel brake disc - All models

45 22 26 2067132/1 May 23, 2022.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
All Audi vehicles	2006 - 2023	May Merge	May Merge

Condition

Customer states:

- Rust layer on the brake disc.

AND/OR

- Noises and/or vibrations when braking.

Workshop findings:

- Workshop can confirm the complaint.

Technical Background

- Corrosion on the friction surface can occur due to the effects of moisture and road salt, if the vehicle is stationary for long periods or if the brakes are only used lightly on short journeys (insufficient brake cleaning).(Figure 1 and 2).
- Also consider the following remarks:
 - Brake discs are exposed to environmental influences such as water, salt, snow, and dirt.
 - The brake disc material, *flake graphite cast iron*, is not resistant to corrosion.
 - It is not possible to apply an anti-corrosion coating to the friction surfaces.
 - The brake discs must be maintained according to the Owner's Manual (remove corrosion regularly, do not overuse by intensive braking).



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Figure 1: Example of excessively rusted disc brakes. Figure 2: Example of rusted disc brake surface.

Production Solution

Not applicable.

Service

- Perform an extensive test drive with several brake operations.
- With careful consideration of the traffic situation, perform 2-3 ABS stops from speeds above 50mph. In between each stop, allow the brake components to cool by driving the vehicle for more than one minute at speeds greater than 50mph. Do not perform ABS stops if brand new pads and/or discs are installed.
- Check that the pads make contact with the disc correctly so that they are cleaning the entire surface of the brake disc.
- Replace brake disc and pads if the condition is not eliminated.

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 (**2067132**) 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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