



Technical Service Bulletin

45 Brake discs surface cracks - steel brakes with tungsten carbide coating

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Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Audi e-tron GT, Audi RS e-tron GT	2022 - 2023	All	Steel brakes with tungsten carbide coating

Condition

Customer states:

- Cracks on the friction surface of the tungsten carbide brake disc (Figure 1).



Figure 1. Brake disc surface cracks.

Workshop findings:

- The issue can be confirmed by the dealership.



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Technical Background

On the tungsten carbide brake disc, the friction surface (hard metal layer) is applied to the brake disc using a special process.

As a result, there are different temperatures and thermal expansions between the hard metal layer and the base disc while the brake system is in use.

When these different expansions are compensated for, a network of fine, surface cracks appears (relaxation cracks).

The cracks are normal and have no negative impact on the functions or comfort of the brake system (Figure 1).

Production Solution

Not applicable.

Service

Not applicable.

Warranty

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

Additional Information

All part and service references provided in this TSB (2065341) 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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