



# Technical Service Bulletin

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

45 24 50 2065341/3 September 10, 2024. Supersedes Technical Service Bulletin Group 45 number 23-34 dated June 29, 2023 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
e-tron GT, and RS e-tron GT	2022 – 2025	All	Not Applicable

### Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised header (Added Model Year)
2	06/29/2023	Revised header (Added Model Years)
1	12/13/2021	Initial publication

### Customer states:

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





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*Figure 1. Brake disc surface cracks.*

## Workshop findings:

- The condition can be confirmed by the dealership.

## Technical Background 1

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 appear (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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