

**Service and repair tips:
Brake discs**



As a strong partner with extensive expertise in brakes, we offer your workshop everything you need for the efficient maintenance and repair of brake systems: first-class products, reliable service offerings and efficient diagnostic technology.

Scoring or grooves on the friction surface



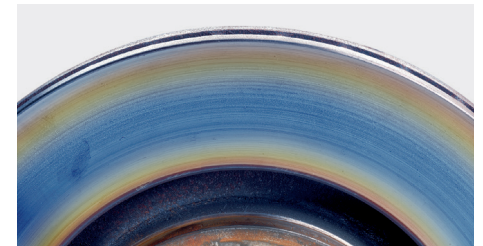
- Cause:**
- Dirt particles on brake disc and pad
- Effect:**
- Brake noise
 - Rubbing effect during braking
 - Reduced braking performance
- Recommendation:**
- When changing the brake discs, always change the brake pads as well

Uneven wear



- Cause:**
- Uneven function of the brake caliper
 - Run-out of the brake disc
- Effect:**
- Poor and/or irregular braking performance
 - Vibration in the steering wheel
 - Pulsing effect in the brake pedal
- Recommendation:**
- Check the brake caliper and wheel hub when installing new brake discs

Blue surface discoloration



- Cause:**
- Overheating due to jammed or seized brake pads
 - Vehicle driven with activated or seized parking brake
 - Brake caliper piston is sticking
- Effect:**
- Rubbing effect during braking
 - Overheating
- Recommendation:**
- Check the entire brake system
 - Ensure that the brake caliper is functioning properly

Indentations on the contact surface



- Cause:**
- Improper cleaning of the contact surfaces
 - Damage to the contact surfaces through contamination
 - Distortion of the wheel hub
- Effect:**
- Increased lateral run-out of the brake discs
 - Chattering and rubbing effects
- Recommendation:**
- Clean the contact surface of the brake disc and the wheel hub before mounting new brake discs
 - Do not use paste lubricants (copper paste, etc.)

Corroded friction area



- Cause:**
- Impact of corrosive substances (e.g. road salt, cleaning agents)
 - Damage through water or lack of use – low demand on the brakes
- Effect:**
- Noise during braking
 - Irregular braking performance
- Recommendation:**
- Replace brake discs and pads
 - Instruct the customer to occasionally stress the brakes by applying pressure appropriately (bed in the brakes)



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- Comprehensive OEM expertise
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To see the disc brake installation video:

