



## Service & Repair Tips: Brake Discs



### 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



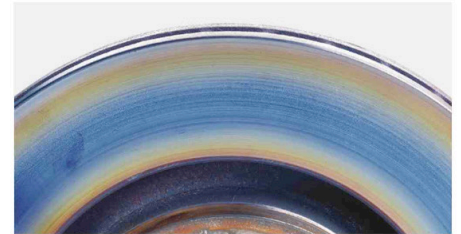
- Cause:**
- Dirt particles on brake disc and pad
- Effect:**
- Brake noise
  - Rubbing effect during braking
  - Reduced braking performance
- Recommendation:**
- When changing the brake discs, always change the brake pads as well

#### 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

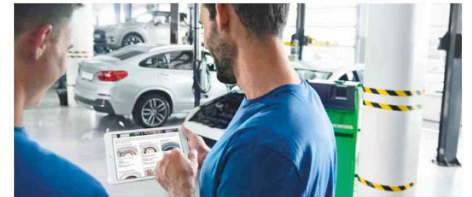


- Cause:**
- Improper cleaning of the contact surfaces
  - Damage to the contact surfaces through contamination
  - Distortion of the wheel hub
- Effect:**
- Increased lateral run-out of the brake discs
  - Chattering and rubbing effects
- Recommendation:**
- Clean the contact surface of the brake disc 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: