

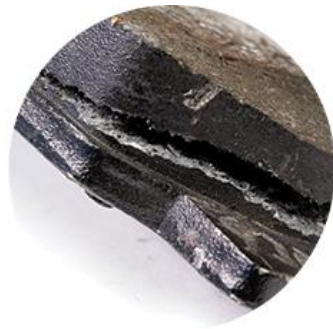


BAIYUN
Brake Expert



BRAKE PAD TROUBLE TRACER

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APPEARANCE

Detached friction material.

CAUSE

Possible excessive load or heavy braking, along with the choice of unsuitable parts.

EFFECT

Reduction in braking performance and typical noise (squeal) while braking.

REMEDY

- Replace the pads.
- Check the disc condition and minimum thickness.
- Despite having a wear indicator, it is necessary to check the pad condition every normal garage brake control visit or every six months.



APPEARANCE

Pad with surface cracks.

CAUSE

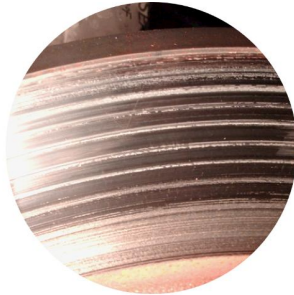
Excessive load or high friction material temperature.

EFFECT

Possible detachment of friction material resulting in a reduction in braking performance.

REMEDY

- Replace the pads.
- Check for correct caliper operation.
- Check disc condition and minimum thickness.
- If necessary, replace both discs on the axle.



Appearance

Disc featuring scored surface.

Cause

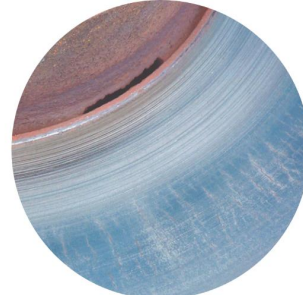
Pads fit with friction material too harsh for the disc or new pads assembled on excessively worn out discs.

Effect

Reduction in braking performance and possible imbalance on the affected axle during braking.

Remedy

- Replace the pads. If necessary, replace the disc.
- Check disc condition and minimum thickness.
- Check for the quality of the spare parts used.



Appearance

Blue stripes on the disc indicating a physical change due to overheating.

Cause

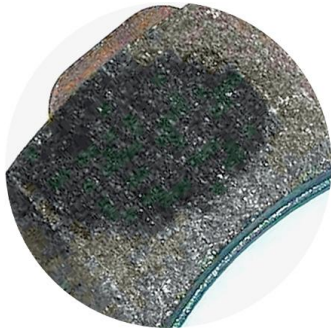
Intensive use of brakes for prolonged braking or improper downhill braking.

Effect

Brake disc overheating which may result in contact surface distortion and cracks.

Remedy

- Compulsory replacement of brake discs and pads.
- During the first 250 km after replacement, sharp braking should be avoided in order to allow for the correct bedding-in of the newly fit components.



APPEARANCE

Contaminated pad friction material.

CAUSE

Contamination by an oily substance or solvent.

EFFECT

Reduction in braking performance and possible imbalance during braking.

REMEDY

- Replace the pads.
- Check the discs on the axle.
- Identify any fluid leaks from the hubs or other nearby components.



APPEARANCE

Pads on the same axle featuring uneven wear.

CAUSE

Incorrect return of one caliper on the same axle.

EFFECT

If the axle involved is the directional one, this fault may result in vehicle instability during brake release.

REMEDY

- Replace the pads.
- Check for the proper caliper operation.
- Check disc condition and minimum thickness.
- If necessary, replace both discs on the axle.



APPEARANCE

Uneven brake pad wear.

CAUSE

One of the calipers has become stuck or does not return correctly to the rest position.

EFFECT

Reduction in braking performance and possible imbalance on the involved axle, during braking.

REMEDY

- Replace the pads.
- Brake calipers should be checked.



APPEARANCE

Damaged edges to the friction material (edge-crumbling).

CAUSE

Brake pad has become stuck in the caliper. The parts used do not comply with the correct sizes and specifications.

EFFECT

Early pad deterioration and uneven disc wear.

REMEDY

- Replace the pads.
- Check for correct caliper operation.
- Check disc condition and minimum thickness.
- If necessary, replace both discs on the axle.



APPEARANCE

Excessively worn out discs and pads

CAUSE

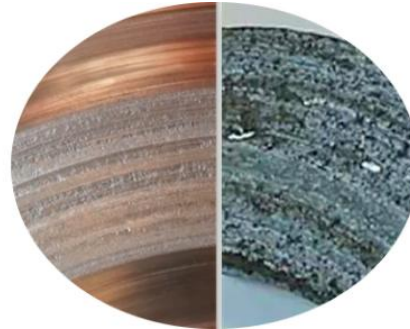
Possible contamination of the friction material by sand, mud or earth or incomplete return of the caliper gear.

EFFECT

Excessive wear of one or more brake pads, resulting in damage where the pad has not been fitted with a wear indicator.

REMEDY

- Replace the pads.
- Check disc condition and minimum thickness.
- If necessary, replace both discs on the axle.



APPEARANCE

Friction includes metal pick-up.

CAUSE

High temperature generated between brake pad and disc in wet conditions.

EFFECT

Wear of the affected brake disc with typical metal rubbing noise during braking.

REMEDY

- Replace the pads.
- Check disc condition and minimum thickness.
- If necessary, replace both discs on the axle.



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