



BAIYUN
Brake Expert

TECHNICAL TIPS



Brake noise is one of the major reasons for a driver to visit a workshop. It can be a complex issue, and is often difficult to solve. From worn brake pad sound to brake pad squeal, there are many different noises you can experience with brake pads.

JUDDER

Cause

- Poor tolerance (poor fitment on the hub or excessive disc thickness variation).
- Disc damage

Solution

Replace the disc and clean and lubricate all surfaces of the brake assembly according to the vehicle manufacturer's instructions.

SQUEAL

Cause

- Sticky movement on the caliper piston,
- Uneven flat surface of the working surface of the disc,
- pad fitting errors,
- incorrect allocation of anti-noise fixings (eg. shims),
- disc thickness too low.

Solution

- Clean and lubricate components of the caliper,
- ensure disc planarity (once fitted on to the hub) will stay within a tolerance of 0.1 mm.
- Clean the hub surface, machine disc surface,
- replace disc and make sure brake pads, shims and accessories are fitted properly.
- Consider damping noise intensity with shims or brake pads with noise-reduction features.

SQUEAK

Cause

The most common reason for a squeak is a molecular vibration within the friction material during application to the brake disc.

Solution

Replace the brake pad set. Also check that the accessories (e.g. the caliper clips) are correct and properly fitted.