



SMOOTH BRAKES NOW

BRAKE SERVICE

Questions. Answers.



When your vehicle was new, the brake rotor and hub assembly were matched at the factory to close tolerance requirements of the manufacturer. This insured that your vehicle would stop smoothly, quickly, and quietly.

How do disc brakes work?

How do brakes wear?

What causes brake pulsation?

solutions



THE BEST ON-CAR BRAKES LATHE IN THE WORLD



SMOOTH BRAKES HERE. SMOOTH BRAKES NOW.

SMOOTH

Brake service questions?

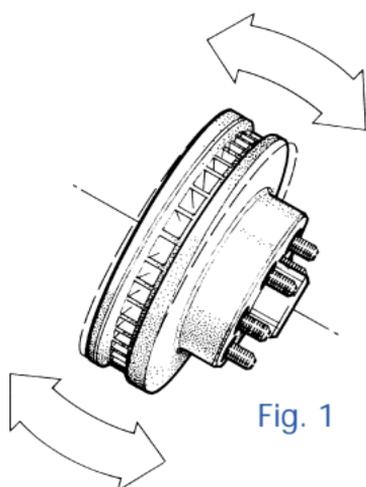


Fig. 1

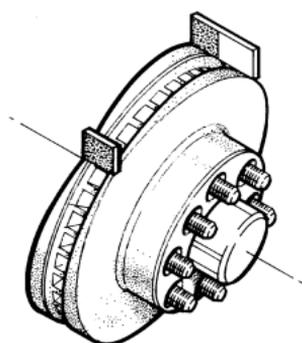


Fig. 2

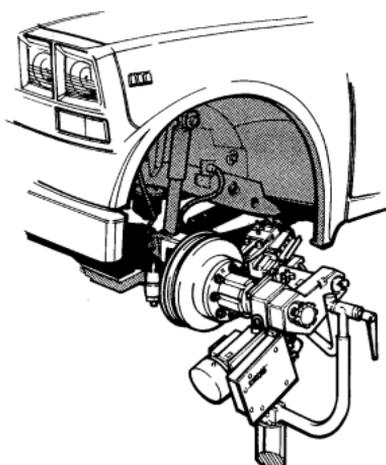
HOW DO BRAKES WEAR?

As you accumulate miles on your vehicle, your brakes are subjected to repeated heating and cooling. This fact, along with your own driving habits, the type of terrain you travel, the breakdown of friction material, and the accumulation of dirt will distort and scar the rotors' surfaces so that they are no longer true. The disc brake rotor is no longer smooth, flat, or straight.

WHAT CAUSES BRAKE PULSATION?

Brake pulsation, then, is generally caused by a rotor that is no longer smooth, flat, or straight. It usually begins with excessive *lateral runout* or side-to-side movement of the brake rotor as it rotates, as pictured in **Fig. 1**. Lateral runout can be an indication of distortions in the vehicle's hub assembly. This wobble scuffs the rotor against the pads and produces thickness variation or uneven wear, as indicated in **Fig. 2**. When this happens the pads follow along the "hills and valleys" of the rotor and cause the brake pedal to bounce or even shake the vehicle.

Here are the answers.



THE BEST BRAKE SOLUTION

The Pro-Cut Rotor Matching System (RMS) is *the* solution to brake pulsation and maintaining your vehicle's rotors. Pro-Cut's RMS technology is the only patented system for matching hubs to rotors directly. The brake lathe attaches to the vehicle's hub and resurfaces the rotor true to the hub's axis, insuring that the original manufacturer's tolerances are once again achieved. Pro-Cut's RMS can even service ABS and trapped rotors. It is the best solution for today's exacting specifications, period! After having your vehicle's brakes serviced with Pro-Cut's Rotor Matching System, your brakes will perform like new.

OUR COMMITMENT TO YOU

The reoccurrence of brake pulsation problems (even in as little as 5,000 miles) can be caused by poorly performing brake service equipment and/or improper repair procedures. Using the patented RMS technology, our staff of professionally trained brake service technicians will ensure that the brake work performed on your vehicle today is the best available anywhere. Your brake pads and rotors will be in near perfect alignment which will lead to a longer lasting brake job, saving you time and money!

Solutions.



With our state-of-the-art Pro-Cut on-car brake lathes, we are able to exceed lateral-runout and surface-finish accuracy standards set by all major automobile manufacturers!

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