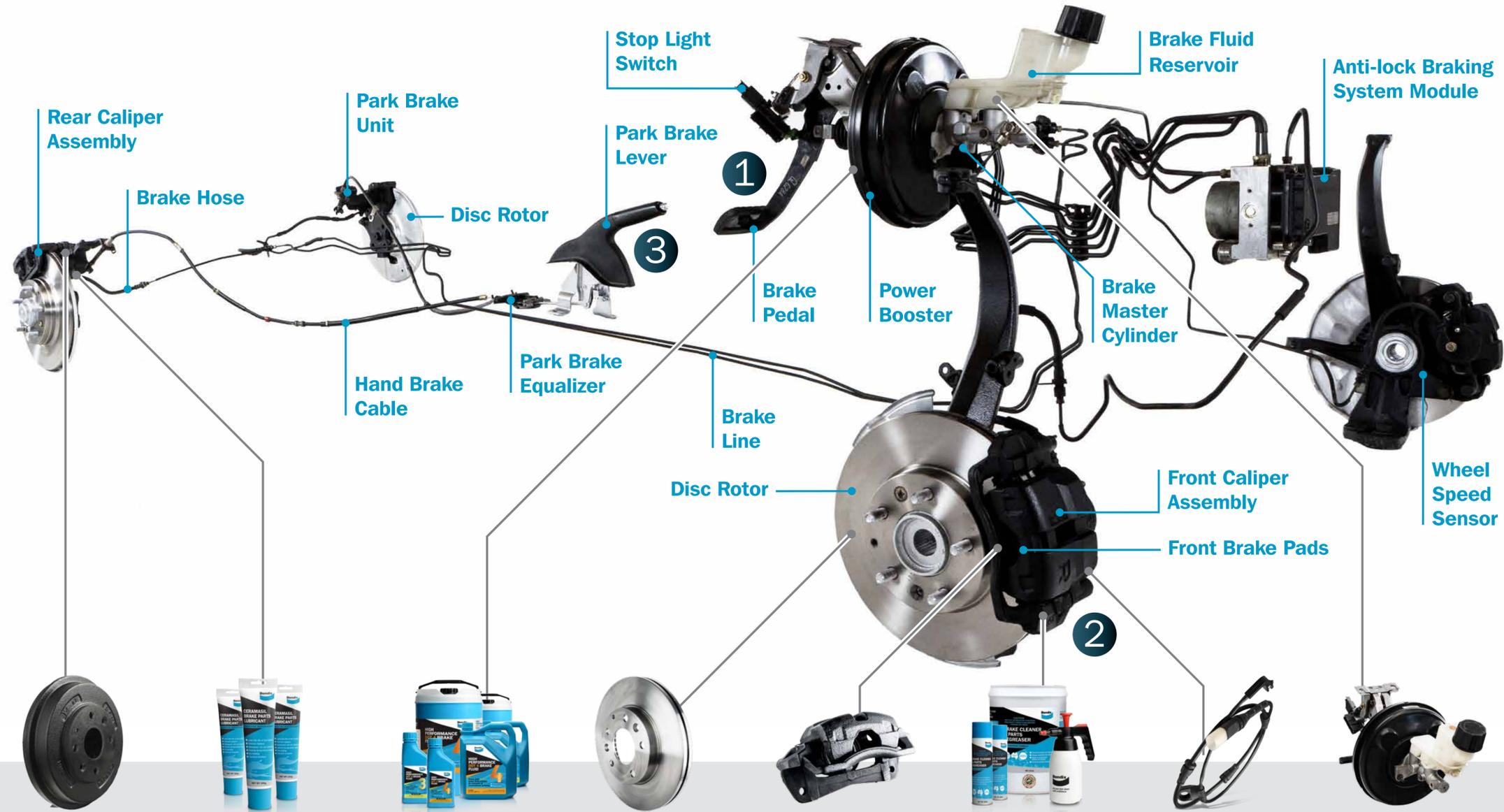


# THE BENDIX BRAKE SYSTEM GUIDE

Of all the components in the system, the friction material on the disc brake pad or lining is what finally stops the car, so when you apply the brakes, hydraulic pressure forces the disc pad against a disc rotor.



## 1 HOW DO BRAKES WORK?

Applying the brake pedal activates a power booster forcing hydraulic brake fluid through the master cylinder and combination valve, via brake lines to all four wheels.

## 2 DISC BRAKES

The wheel assembly consists of a wheel hub and disc rotor with a caliper housing the disc brake pads. A piston in each caliper forces the disc brake pad against the rotor, creating the necessary friction to stop the rotor spinning.

Two disc brake pads on each wheel, an inner and outer, act simultaneously to bring the car to a halt. Many cars are equipped with disc brakes front and rear.

## 3 PARK BRAKES

The park brake is applied through either an electronic system or a cable system which operates the rear brakes only.

## HOW OFTEN?

Brakes are out of sight and generally out of mind. Your brake system should be thoroughly checked once a year as a minimum. In as little as fifteen minutes, a brake specialist can give your car's braking system a safety check.

NOTE: Brakes are a critical safety system of a vehicle. The brake system should not be interfered with by anybody who does not have the appropriate skills and experience. Brake pads should be replaced by a qualified mechanic.

### REAR PARK BRAKE

The park brake system can operate through the rear disc pads or a shoe and drum brake system. The park brake should be regularly checked and/or adjusted to ensure correct operation and the brake linings should not be allowed to wear past the manufacturer's recommendations.

### BRAKE LUBRICANT

The Bendix Ceramasil Brake Parts Lubricant is designed specifically for brake parts with metal to metal and metal to rubber contact areas, and should be applied with every brake pad change, giving absolute confidence in each job.

### BRAKE FLUID

Bendix DOT3 & DOT4 Brake Fluid can be used for both hydraulic & conventional brake systems, minimising corrosion. This fluid is also inert to all kinds of rubber, and meets stringent Australian and U.S. specifications.

### DISC ROTOR

The clamping force applied by the brake pads against the disc rotor slows or stops the rotation of the wheels. Disc rotors should be regularly checked for excessive wear and distortion. When machining or installing new disc rotors ensure they have been cleaned thoroughly with brake cleaner to remove any contaminants.

### CALIPER ASSEMBLY

When the brake pedal is applied, brake fluid is forced into the caliper moving the piston and brake pads against the rotor. Calipers should be thoroughly checked to ensure all parts are working correctly and smoothly. Inefficient calipers can cause low performance and excessive wear of pads and disc rotors.

### BRAKE/PARTS CLEANER

When changing brake pads, always use Bendix Brake Cleaner & Parts Degreaser to clean brake components and the rotor surface especially after machining. Bendix Brake Cleaner & Parts Degreaser penetrates rapidly, cleans instantly and evaporates quickly, leaving no residue.

### BRAKE WEAR SENSORS

Electronic Brake Wear Sensors are an added safety feature on many vehicles used to warn a vehicle's driver when their brake pads are at the end of their service life.

### BRAKE FLUID RESERVOIR

Brake fluid should be flushed and replaced at least once every two years, using new fluid from a sealed container. Ensure correct fluid type is used, and ensure no air is trapped in the system as this will result in poor braking. Any loss of brake fluid indicates a serious fault in the brake system and needs to be investigated.

**BENDIX HAS A RANGE OF BRAKE PADS DESIGNED TO SUIT EVERY VEHICLE AND DRIVING STYLE:**

### GENERAL CT

For smoother, quieter and cleaner braking, Bendix General CT delivers superior stopping power that's whisper quiet with less dust.

### 4WD SUV

For tougher driving and quieter braking, Across Australia or around the block, wherever they go, they get the job done brilliantly.

### HEAVY DUTY

Ready to work harder, cooler and longer. For customers who demand more from their vehicles every day, these pads work as hard as they do.

### EURO+

With Bendix Euro+ there is less dust on the rims, improved stopping power and quieter, smoother braking.

### ULTIMATE

Specially formulated to offer high friction, high temperature tolerance and measurably better performance across a range of braking conditions.

### STREET ROAD TRACK

For enthusiasts and extreme performance. Developed with the latest technology and extensively tested under extreme conditions.

Freecall the Bendix Brake Advice Centre on **1800 819 666**

Choose your perfect braking solution online at [www.bendix.com.au](http://www.bendix.com.au)



*Put your foot down with confidence™*

\*Bendix brake components are appropriate for the purpose intended and if installed by qualified staff, to the vehicle manufacturer's specifications, can be used in logbook servicing. PRU-00811