



Brake Calipers

Refer to an authorized original equipment service manual for detailed installation instructions. If you do not have the experience, proper tools or manuals, please seek the services of a qualified technician.



**Replacement
TIME:**

1 hr

COMMON SYMPTOMS

- Loss of brake fluid.
- Abnormal sounds coming from wheel when braking or riding over rough surfaces.
- Vehicle pulls when brakes are applied or released.
- Premature brake pad-wear due to pistons dragging.

MYTH BUSTER

Myth: When replacing a caliper, a gravity bleed is sufficient for removing air from the hydraulic system.

Myth Buster: FALSE. Pressure or manual bleeding is necessary to completely purge air from the hydraulic system. Automated bleeding may be necessary on a vehicle with ABS depending on design.

BEST MAINTENANCE PRACTICES

- Check brake fluid condition & level on a periodic basis.
- Don't ignore brake system wear indicators such as noise or pedal travel.
- Inspect rotors periodically. Rotors must have a smooth finish. Check for unusual wear patterns, deep cuts or heat spots on rotor surface.

TIPS

- Always flush and fill the system using new, OEM-specified brake fluid.
- Tighten banjo bolt or hose to OEM specifications. Do not overtighten.
- Repeated operation of the parking brake lever on uninstalled calipers with an integral parking brake can lead to failure.
- It is recommended to replace calipers in pairs.
- Brake pedal fade can be caused by air in the hydraulic system, a defective master cylinder or improperly adjusted rear drum brakes.
- A pulsating brake pedal is often caused by warped rotors.
- Noisy brakes can be caused by improperly installed hardware, incorrect rotor finish or a brake lining issue.
- Collapsed or damaged brake hoses can cause the vehicle to pull to one side when brakes are applied.
- When installing a rear caliper with an integral parking brake, use a ratcheting piston tool to retract the piston(s) into the caliper.
- When installing a brake caliper, the bleeder valve must always face upwards to prevent air from being trapped in the system.
- Bleed the hydraulic system using the OEM-specified procedure for your vehicle application.



**SKILL
LEVEL:**

Service Technician

C
or higher

**GOT QUESTIONS ABOUT THIS PART?
CALL 888-280-8324**

Monday-Friday