



Master Cylinders

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:**

<1.5 hrs

COMMON SYMPTOMS

- Brake warning light illuminated
- Spongy or sinking brake pedal
- Contaminated fluid
- Leaks

MYTH BUSTER

Myth: The master cylinder brake fluid reservoir must be completely full for the system to operate as designed.

Myth Buster: In modern passenger cars, the brake fluid reservoir is designed with a specific volume. The volume corresponds to the amount of fluid displaced when the pads have worn to the replacement point. The reservoir fluid level should be filled based on the indicator found on the reservoir for proper operation.



**SKILL
LEVEL:**

Service Technician

C

or higher

TIPS

- It may be necessary to transfer proportioning valves, switches or other components from the original equipment master cylinder to the replacement master cylinder.
- Always refer to the O.E. service manual when bleeding the brake system.
- When replacing brake components, always flush entire brake system with O.E.-approved brake fluid from a sealed container. DOT 3 & 4 brake fluid is a mineral based fluid. DOT 5 is silicone based. Never mix different types of brake fluid.
- If two different brake fluids have been mixed, the brake system should be flushed and fresh brake fluid recommended by the vehicle's manufacturer should be installed.
- All master cylinders require a preliminary bench bleed procedure followed by a complete system bleed after installation. Master Cylinders with a remote reservoir should be bled on the vehicle. Step bore master cylinders require a slightly different bench bleeding procedure which can be referenced via the vehicle service information.
- Verify proper pedal action before moving vehicle. Do not road test vehicle until correct pedal feel and travel are obtained.

BEST MAINTENANCE PRACTICES

To ensure proper brake system performance, it is advised that brake fluid and hoses be inspected every 10,000 - 15,000 miles. Refer to a vehicle specific service manual for fluid replacement intervals. Most manufacturers recommend replacing the fluid every 2 years.

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

Monday-Friday