Cardone 18-B4807

Cardone 18-B4807 Remanufactured Unloaded Disc Brake Caliper with Bracket

INSTRUCTION MANUAL

1. Product Overview

The Cardone 18-B4807 is a remanufactured unloaded disc brake caliper with bracket, designed to meet rigorous quality and performance standards for automotive applications. This unit is engineered to provide reliable and consistent braking performance, ensuring a precise fit for compatible vehicles.
Key features include:

- Remanufactured to Original Equipment (OE) specifications for a perfect vehicle fit.
- Equipped with durable pistons resistant to cracking or pitting.
- Calipers treated with a special rust inhibitor for enhanced longevity.
- High-temperature EPDM rubber seals for extended life and optimal performance.
- Includes new bleeder screws for trouble-free bleeding and a positive seal.

2. Package Contents

Upon opening the package, verify that all components are present:

- Cardone 18-B4807 Remanufactured Unloaded Disc Brake Caliper with Bracket
- New hardware kit (including stainless steel clips and mounting pins where applicable)
- New banjo bolts (where applicable)
- Plastic cap plug protecting brake port thread

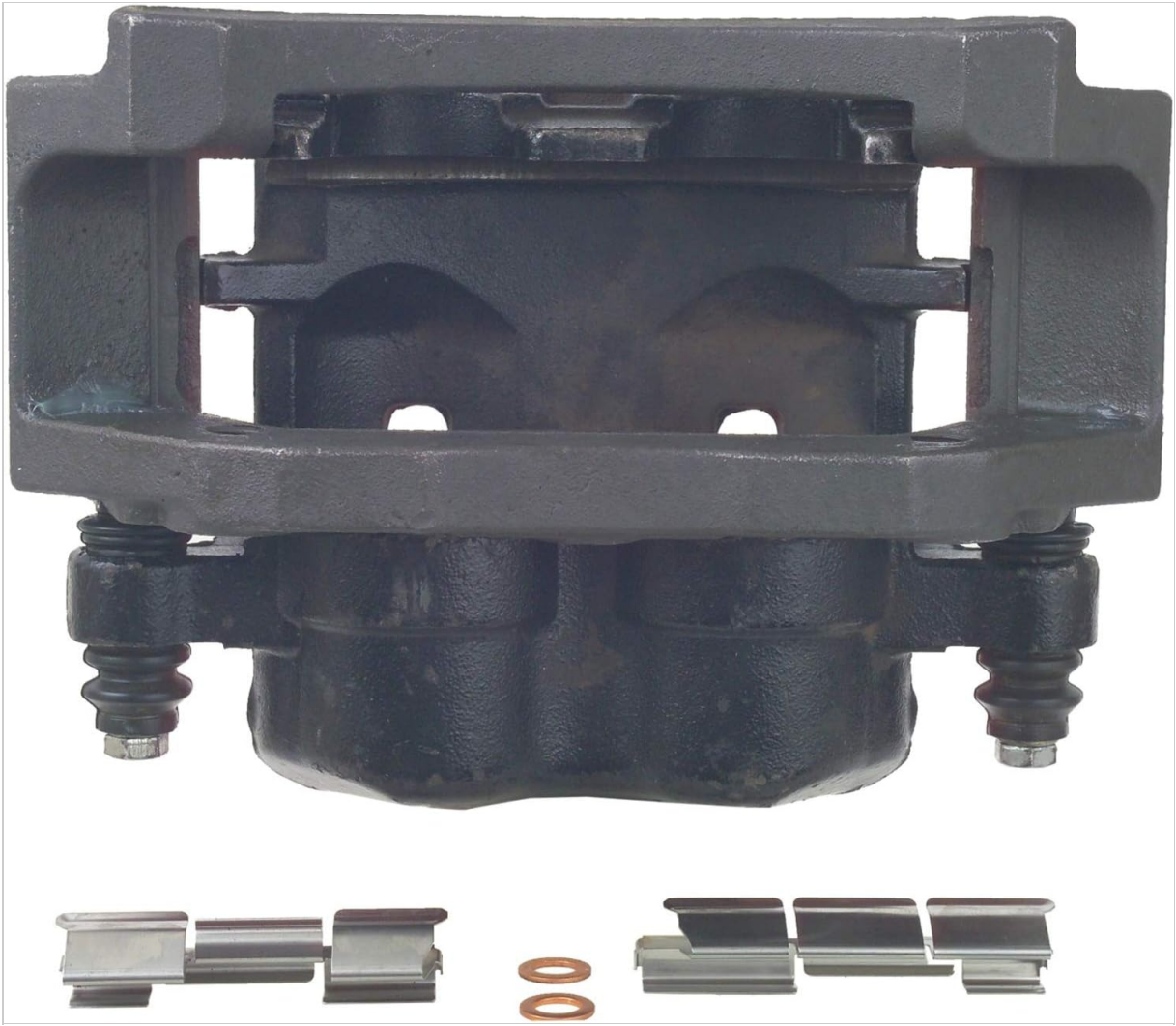


Figure 1: Front view of the brake caliper with included hardware.

3. Safety Information

Always prioritize safety when working on vehicle braking systems. Improper installation or maintenance can lead to serious injury or vehicle damage. If you are unsure about any step, consult a qualified automotive technician.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands before beginning work.
- Disconnect the vehicle's battery if working near electrical components.
- Brake fluid is corrosive; avoid contact with skin and painted surfaces.
- Dispose of old brake fluid and components responsibly according to local regulations.

4. Installation Instructions (Setup)

This section outlines the general procedure for installing the brake caliper. Specific vehicle service manuals should be consulted for detailed torque specifications and vehicle-specific steps.

1. **Preparation:** Lift and secure the vehicle. Remove the wheel. Carefully disconnect the brake line from the old caliper, being prepared to catch any dripping brake fluid.
2. **Remove Old Caliper:** Unbolt and remove the old brake caliper and bracket assembly from the steering knuckle.
3. **Inspect Components:** Inspect the brake hose for any signs of wear or damage. Ensure the

mounting surface on the steering knuckle is clean.

4. **Install New Caliper Bracket:** Mount the new caliper bracket to the steering knuckle using the appropriate bolts. Torque to manufacturer specifications.
5. **Install Brake Pads (if applicable):** If your new caliper is unloaded (without pads), install new brake pads into the caliper bracket. Ensure proper fitment of any hardware clips.
6. **Mount Caliper:** Slide the new caliper onto the bracket, ensuring it moves freely. Secure it with the guide pins.
7. **Connect Brake Line:** Connect the brake line to the new caliper. Use the new banjo bolt and washers provided (if applicable) to ensure a leak-free seal. The plastic cap plug protects the brake port thread until installation.
8. **Bleed the Brake System:** This is a critical step. Bleed the brake system to remove all air from the lines. Start with the caliper furthest from the master cylinder and work your way closer. Use the new bleeder screws for a positive seal.
9. **Final Checks:** Reinstall the wheel. Lower the vehicle. Pump the brake pedal several times to ensure a firm pedal feel before driving. Check for any brake fluid leaks.



Figure 2: Rear view of the brake caliper, highlighting mounting points.

5. Operation (Braking System Function)

The disc brake caliper is a crucial component of your vehicle's hydraulic braking system. When the brake pedal is pressed, hydraulic pressure from the master cylinder forces the caliper's piston(s) to extend. This extension pushes the brake pads against the rotating brake rotor, creating friction that slows and stops the vehicle. The remanufactured caliper ensures this process occurs efficiently and reliably.

6. Maintenance

Regular inspection and maintenance of your braking system are essential for safety and performance.

- **Brake Fluid:** Check brake fluid level regularly and replace according to your vehicle manufacturer's recommendations.
- **Brake Pads:** Inspect brake pad wear during tire rotations or at least annually. Replace pads before they wear down to the wear indicators.
- **Calipers:** Periodically inspect calipers for leaks, corrosion, or sticking pistons. Ensure guide pins are lubricated and move freely.
- **Brake Hoses:** Check brake hoses for cracks, bulges, or signs of leakage.

7. Troubleshooting

If you experience any issues with your braking system after installation, consider the following common problems and solutions:

Symptom	Possible Cause	Solution
Soft or Spongy Brake Pedal	Air in the brake lines	Re-bleed the brake system thoroughly.
Brake Fluid Leak	Improperly tightened banjo bolt, damaged brake line, faulty bleeder screw.	Inspect all connections. Tighten banjo bolt to specification. Replace damaged components.
Uneven Brake Wear	Sticking caliper piston or guide pins.	Inspect caliper for free movement. Lubricate guide pins.
Brakes Dragging	Sticking caliper piston, over-adjusted parking brake, master cylinder issue.	Check caliper piston movement. Consult vehicle service manual.

If troubleshooting steps do not resolve the issue, seek professional assistance.

8. Specifications

Attribute	Detail
Manufacturer	Cardone
Model Number	18-B4807
Item Weight	13.27 pounds
Product Dimensions	10.75 x 7.13 x 6.5 inches
Part Type	Remanufactured Unloaded Disc Brake Caliper with Bracket
OEM Part Number	5018571AA

9. Warranty Information

For specific warranty details regarding your Cardone 18-B4807 brake caliper, please refer to the documentation included with your purchase or visit the official Cardone website. Warranty terms typically cover manufacturing defects and material flaws for a specified period.

10. Customer Support

If you require further assistance, have questions about installation, or need to report an issue, please contact Cardone customer support through their official website or the retailer from whom the product was purchased. Have your model number (18-B4807) and purchase information ready.