Cardone 19-B3009

Cardone 19-B3009 Remanufactured Unloaded Disc Brake Caliper with Bracket Instruction Manual

Model: 19-B3009 | Brand: Cardone

1. Product Overview

The Cardone 19-B3009 is a remanufactured unloaded disc brake caliper with bracket, engineered to meet original equipment quality and performance standards. This unit is designed for a precise vehicle fit and reliable braking performance.

Key features include:

- Guaranteed perfect vehicle fit as a remanufactured Original Equipment part.
- Durable pistons resistant to cracking or pitting, capable of handling significant loads.
- Calipers treated with a rust inhibitor and maintained in the original equipment finish.
- High-temperature EPDM rubber seals for extended life and optimal performance.
- New bleeder screws for trouble-free bleeding and a positive seal.
- New washers, stainless steel hardware clips, and mounting pins included where applicable for complete installation.
- Plastic cap plug protects brake port threads for trouble-free installation.



Figure 1: Front view of the Cardone 19-B3009 brake caliper, showing the main body, bleeder screw, and mounting points.

2. Safety Information

Always prioritize safety when working with vehicle braking systems. Improper installation or maintenance can lead to serious injury or vehicle damage. If you are not confident in your ability to perform this installation, seek assistance from 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 any work.
- Disconnect the vehicle's battery if instructed by the vehicle manufacturer's service manual.
- Brake fluid is corrosive; avoid contact with skin and painted surfaces.
- Dispose of old brake fluid and components responsibly according to local regulations.
- Refer to your vehicle's specific service manual for detailed instructions and torque specifications.

3. Installation Guide

This section provides general steps for installing the Cardone 19-B3009 brake caliper. Always consult your vehicle's specific service manual for precise procedures and torque specifications.

3.1 Required Tools and Materials

- Socket/Wrench Set
- Torque Wrench
- Brake Fluid (compatible with your vehicle)
- Brake Cleaner
- Bleeder Wrench
- Drain Pan

- Jack and Jack Stands
- Personal Protective Equipment (PPE)

3.2 Step-by-Step Installation

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Loosen the lug nuts on the wheel where the caliper will be replaced. Raise the vehicle and secure it with jack stands. Remove the wheel.
2. **Remove Old Caliper:**
    - Place a drain pan beneath the caliper to catch brake fluid.
    - Using a flare nut wrench, carefully disconnect the brake line from the old caliper. Be prepared for fluid leakage.
    - Remove the caliper mounting bolts.
    - Carefully remove the old caliper and bracket assembly from the vehicle.
3. **Prepare New Caliper:**
    - Inspect the new Cardone 19-B3009 caliper for any shipping damage.
    - Ensure all new hardware (banjo bolts, washers, clips, mounting pins) is present as supplied.
    - Remove the plastic cap plug protecting the brake port thread.



Figure 2: Side view of the caliper, highlighting the piston area and mounting bracket.

4. **Install New Caliper:**
    - Mount the new caliper and bracket assembly onto the vehicle, aligning it with the rotor.
    - Install the caliper mounting bolts and tighten them to the vehicle manufacturer's specified torque.
    - Connect the brake line to the new caliper using the new banjo bolt and washers (if applicable). Tighten to the specified torque.
    - Install new brake pads (not included with this unloaded caliper) and any necessary hardware.



Figure 3: Rear view of the caliper, showing the bleeder valve and overall structure.

5. **Bleed the Brake System:** This is a critical step to remove air from the brake lines.
    - Refer to your vehicle's service manual for the correct bleeding sequence (typically starting with the wheel furthest from the master cylinder).
    - With assistance, have someone slowly press the brake pedal. Open the bleeder screw on the caliper until fluid flows out without air bubbles. Close the bleeder screw before the pedal is released. Repeat until no air is visible.
    - Maintain the brake fluid level in the master cylinder reservoir throughout the bleeding process.
6. **Final Checks:**
    - Inspect all connections for leaks.
    - Ensure the brake pedal feels firm. If not, re-bleed the system.
    - Reinstall the wheel and tighten lug nuts to specification.
    - Lower the vehicle.

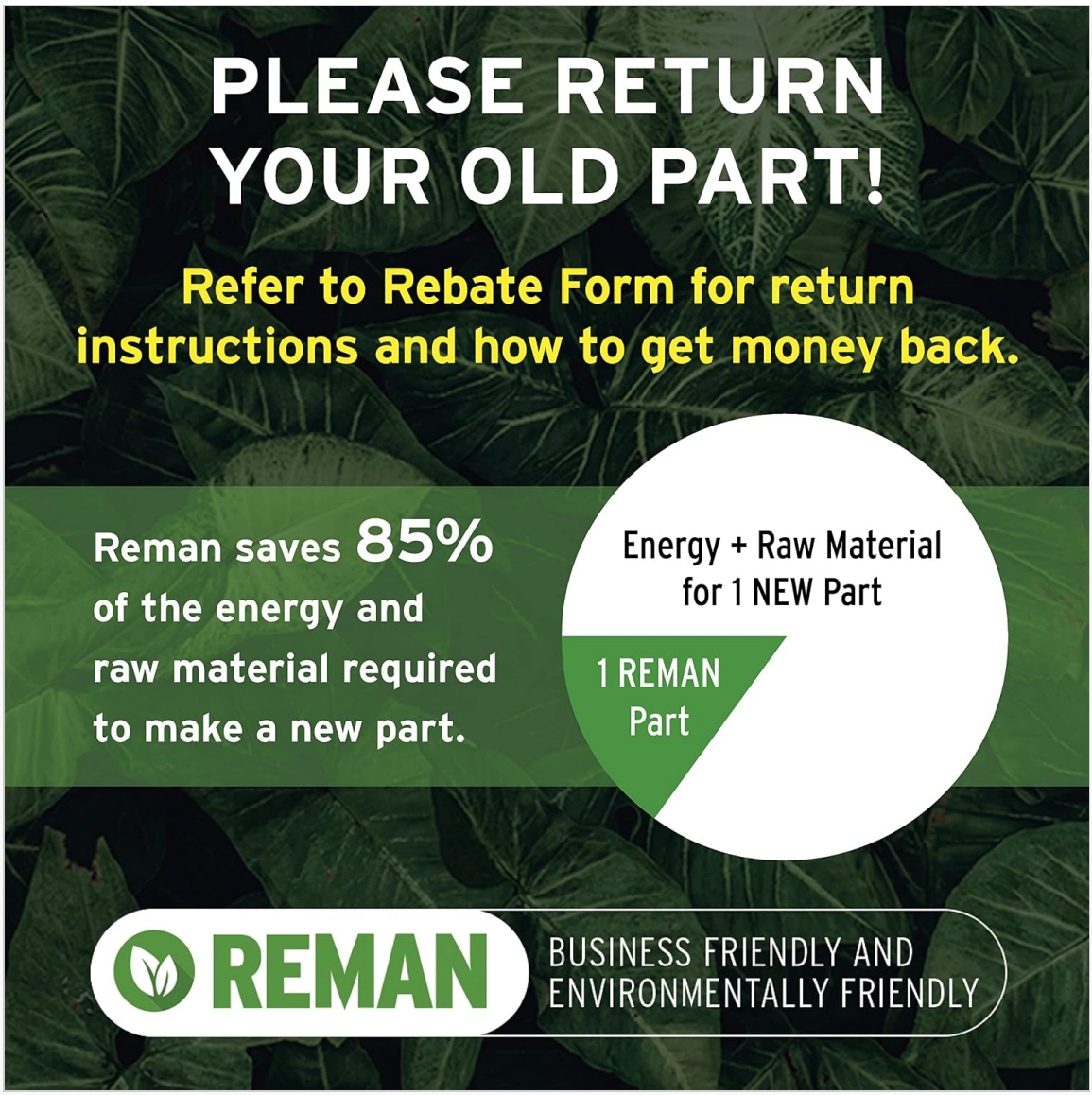


Figure 4: Angled view of the caliper, showing the mounting bracket and overall shape.

4. Operation and Function

The Cardone 19-B3009 brake caliper is a crucial component of your vehicle's disc brake system. When the brake pedal is pressed, hydraulic pressure from the master cylinder forces the caliper's piston(s) to clamp the brake pads against the brake rotor. This friction converts the vehicle's kinetic energy into heat, slowing and stopping the vehicle.

As a remanufactured unit, this caliper is designed to restore original braking performance and reliability, ensuring consistent and effective stopping power.

5. Maintenance

Regular inspection and maintenance of your brake system are essential for safety and longevity. While the caliper itself is designed for durability, its performance relies on the overall health of the brake system.

- **Brake Fluid Level and Condition:** Periodically check the brake fluid level in the master cylinder reservoir. Ensure it is between the MIN and MAX marks. Brake fluid should be clear; dark or cloudy fluid may indicate contamination and require flushing.
- **Brake Pad Inspection:** Regularly inspect brake pad thickness. Replace pads before they wear down to the wear indicators.

- **Rotor Inspection:** Check brake rotors for excessive wear, scoring, or warping.
- **Caliper Inspection:** Visually inspect the caliper for any signs of leaks around the piston boot or bleeder screw. Check the rubber seals and boots for cracks or damage. Ensure the caliper slides freely on its pins (if applicable).
- **Brake Line Inspection:** Check brake lines and hoses for cracks, bulges, or corrosion.

Adhere to your vehicle manufacturer's recommended service intervals for brake system checks and fluid flushes.

6. Troubleshooting

This section addresses common issues that may arise with brake calipers. If you experience any of these symptoms, consult a qualified technician.

Symptom	Possible Cause	Action
Soft or Spongy Brake Pedal	Air in the brake lines, low brake fluid, faulty master cylinder.	Bleed the brake system thoroughly. Check brake fluid level. Inspect for leaks.
Brake Fluid Leakage	Loose connections, damaged seals, cracked caliper housing.	Inspect all brake line connections. Check piston boots and bleeder screw for damage. Replace caliper if housing is cracked.
Vehicle Pulls to One Side During Braking	Sticking caliper piston, uneven brake pad wear, contaminated brake pads.	Inspect caliper for free movement. Check brake pads for even wear. Ensure no oil or grease on pads/rotors.
Squealing or Grinding Noise	Worn brake pads, worn rotors, foreign object, caliper not moving freely.	Inspect brake pads and rotors. Check for proper caliper function and lubrication of slide pins.

7. Specifications

The following specifications apply to the Cardone 19-B3009 Remanufactured Unloaded Disc Brake Caliper with Bracket:

- **Brand:** Cardone
- **Manufacturer:** A1 Cardone
- **Model Number:** 19-B3009
- **Part Number:** 19-B3009
- **OEM Part Numbers:** 1H0615423A, 1H0615423D
- **Position:** Rear
- **Item Weight:** 5.5 pounds
- **Product Dimensions:** 7.88 x 6.13 x 5.25 inches
- **ASIN:** B000EQ7NWS

8. Environmental Responsibility

Cardone is committed to environmental sustainability. The remanufacturing process for this brake caliper

significantly reduces environmental impact. By choosing a remanufactured part, you contribute to:

- **Resource Conservation:** Remanufacturing saves approximately 80% of the energy and raw materials required to produce a new part.
- **Waste Reduction:** It diverts usable components from landfills, extending their lifecycle.



Figure 5: Infographic illustrating the environmental benefits of remanufactured parts, highlighting significant savings in energy and raw materials.

Please return your old part for core credit if applicable. Refer to any provided rebate forms for return instructions.

9. Warranty and Support

For warranty information or technical support regarding your Cardone 19-B3009 brake caliper, please refer to the documentation included with your purchase or visit the official Cardone website. If purchased through Amazon, you may also consult Amazon's return and support policies for renewed products.

For general inquiries, you can visit the Amazon Renewed Store.

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