Cardone 14-1166

Cardone Service Plus 14-1166 Remanufactured Caliper Bracket

User Manual

1. Product Overview

The Cardone Service Plus 14-1166 is a remanufactured caliper bracket designed for automotive brake systems. This component is crucial for mounting the brake caliper correctly, ensuring proper brake function and vehicle safety. Each bracket is remanufactured to meet or exceed original equipment (OE) performance standards, with attention to correcting common OE design flaws.



Image 1.1: Main view of the Cardone Service Plus 14-1166 Remanufactured Caliper Bracket. This image displays the overall structure and mounting points of the bracket.

2. Product Features

- **OE Performance Matching:** Engineered to meet or exceed original equipment performance specifications.
- **Design Flaw Correction:** Original OE design flaws are identified and corrected during the remanufacturing process.
- **Application-Specific Fit:** Brackets are designed for specific vehicle applications to ensure precise fitment and optimal function.
- **Corrosion Protection:** Each bracket is coated with rust protection to enhance durability and extend product life.
- **Easy Installation:** Includes a grease pack to facilitate smooth and trouble-free installation.
- **Comprehensive Coverage:** Part of an industry-leading bracket coverage offering a wide range of applications.

3. What's in the Box

Upon opening the product packaging, you will find the following item:

- Cardone Service Plus 14-1166 Remanufactured Caliper Bracket

Note: Additional components such as mounting hardware or brake pads are typically sold separately and are not included with the caliper bracket.

4. Setup and Installation

Installation of a brake caliper bracket is a critical procedure that directly impacts vehicle safety. It is highly recommended that installation be performed by a qualified automotive technician or an individual with extensive experience in brake system repair.

4.1. Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands on a level surface before beginning any work.
- Disconnect the vehicle's battery if working near electrical components.
- Refer to the vehicle manufacturer's service manual for specific torque specifications and procedures.

4.2. General Installation Steps (Consult Vehicle Service Manual for Specifics)

1. Safely lift and support the vehicle. Remove the wheel.
2. Remove the brake caliper from the old bracket. Do not allow the caliper to hang by the brake hose; support it to prevent damage.
3. Remove the old caliper bracket from the steering knuckle or axle housing.
4. Clean the mounting surface on the vehicle thoroughly to ensure proper seating of the new bracket.
5. Position the new Cardone Service Plus 14-1166 Remanufactured Caliper Bracket onto the mounting surface.
6. Install the mounting bolts and tighten them to the vehicle manufacturer's specified torque.
7. Reinstall the brake caliper onto the new bracket, ensuring all components are correctly aligned.
8. Reinstall the wheel and lower the vehicle.
9. Pump the brake pedal several times to restore brake pressure before driving. Test brakes in a safe area at low speed.



Image 4.1: Angled view of the caliper bracket, showing the bolt holes and mounting points. Proper alignment and torque are essential during installation.

5. Operating Principle

The caliper bracket serves as a fixed anchor point for the brake caliper. When the brake pedal is pressed, hydraulic pressure forces the caliper to clamp the brake pads against the rotor, creating friction that slows or stops the vehicle. The bracket ensures the caliper remains in the correct position relative to the brake rotor, allowing for consistent and effective braking action. Its robust construction is vital for withstanding the significant forces generated during braking.

6. Maintenance

Regular inspection of brake components, including the caliper bracket, is essential for vehicle safety and longevity. While the caliper bracket itself requires minimal maintenance, consider the following:

- **Visual Inspection:** During routine brake service, visually inspect the bracket for signs of corrosion, cracks, or damage.
- **Mounting Bolt Torque:** Ensure all mounting bolts are tightened to the manufacturer's specifications. Loose bolts can lead to improper brake function and premature wear.
- **Lubrication:** Apply appropriate high-temperature brake lubricant to caliper slide pins (if applicable) and contact points between the brake pads and bracket to ensure smooth movement and prevent seizing. The included grease pack is for this purpose.
- **Cleaning:** Keep the bracket free from excessive dirt, rust, and brake dust, which can impede proper function.



Image 6.1: Front view of the caliper bracket, highlighting the surfaces where brake pads would slide. Keeping these areas clean and lubricated is important for brake performance.

7. Troubleshooting

If you experience issues with your brake system after installing a new caliper bracket, consider the following general troubleshooting steps. Always consult a qualified technician for diagnosis and repair.

- **Uneven Brake Pad Wear:** This could indicate improper installation, a seized caliper slide pin, or a bent bracket. Re-inspect installation and check for free movement of components.
- **Brake Noise (Squealing/Grinding):** Ensure brake pads are correctly seated, and anti-rattle clips (if used) are properly installed. Check for foreign debris.
- **Vibration During Braking:** While often related to rotors, a loose or damaged caliper bracket can contribute to vibration. Verify bracket mounting integrity.
- **Brake Fluid Leaks:** This is typically not related to the bracket itself but to the caliper or brake lines. However, ensure no damage occurred to these components during bracket installation.

Always prioritize safety. If brake performance is compromised, do not operate the vehicle until the issue is resolved by a professional.

8. Specifications

Specification	Detail
Brand	Cardone
Manufacturer	Cardone Service Plus
Model Number	14-1166
Item Weight	3 pounds
Product Dimensions	9.5 x 5.5 x 4.6 inches

Exterior Finish	Machined
OEM Part Number(s)	88964175, 88967264
Condition	Remanufactured (Renewed)



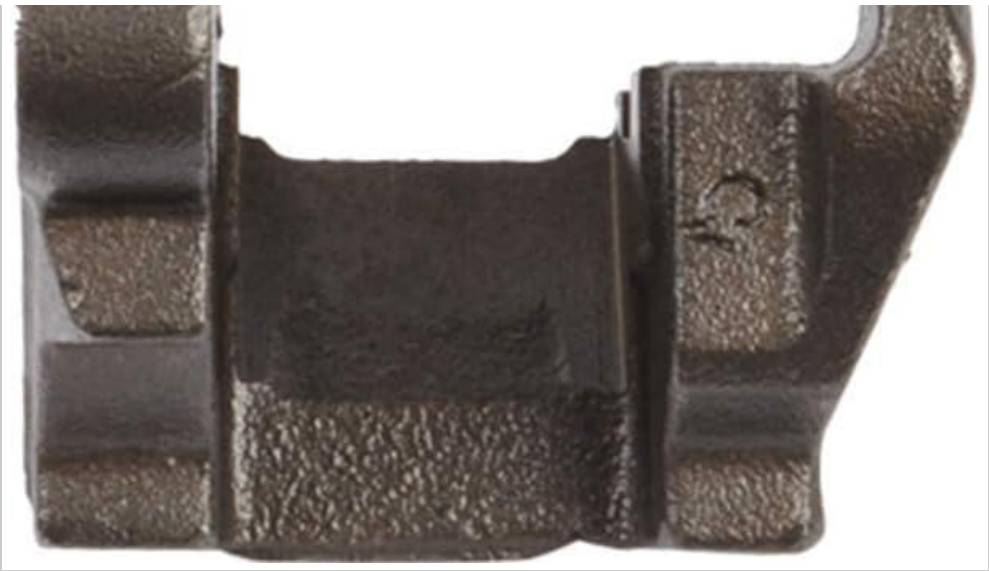


Image 8.1: Side profile of the caliper bracket, illustrating its dimensions and machined finish.

9. Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the official Cardone Service Plus website or contact their customer service directly. Details are typically provided with the product packaging or available online.

Manufacturer: Cardone Service Plus

Website: www.cardone.com (*Note: This is a general link to the brand's website and may not lead directly to support for this specific renewed product.*)

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