

## MAC 153551

# MAC Auto Parts Brake Service Kit User Manual

Front & Rear Brake Disc Rotors & Ceramic Front Pads 6PC Kit



## INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your MAC Auto Parts 6-Piece OE Replacement Brake Service Kit. This kit is designed to replace the front and rear brake disc rotors and ceramic brake pads on compatible vehicles, ensuring optimal braking performance and safety. Please read this manual thoroughly before proceeding with installation or maintenance.

## PRODUCT OVERVIEW AND COMPONENTS

The MAC Auto Parts 6-Piece OE Replacement Brake Service Kit includes all necessary components for a complete front and rear brake service. The kit is comprised of high-quality brake disc rotors and ceramic brake pads, engineered for durability and performance.



Figure 1: Complete 6-Piece Brake Service Kit including front and rear rotors and ceramic pads.

### Kit Contents:

- **2x Front Brake Disc Rotors:** Part# R1184 1407-479087 BR901184 121.51052
- **1x Front Brake Disc Pads Ceramic:** Part# SCD1432 (4 Pads = 1 Set)
- **2x Rear Brake Disc Rotors:** Part# 10-31553 REF# BR900894 121.51039
- **1x Rear Brake Disc Pads Ceramic:** Part# SCD1284 (4 Pads = 1 Set)

### VEHICLE COMPATIBILITY

This brake service kit is compatible with the following vehicle makes and models:

- **2013-2016 Hyundai Santa Fe:** All models
- **2014-2016 Kia Sorento:** All models

**Important: Always confirm vehicle compatibility before installation to ensure proper fitment and safe operation.**

### SETUP AND INSTALLATION

Installation of brake components requires specialized tools and knowledge. It is highly recommended that installation

be performed by a qualified automotive technician. Improper installation can lead to brake system failure, resulting in serious injury or death.

### **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 work.
- Disconnect the vehicle's battery before working on any electrical components.
- Do not work under a vehicle supported only by a jack.
- Refer to your vehicle's specific service manual for detailed brake system removal and installation procedures.

### **General Installation Steps (Consult Vehicle Manual for Specifics):**

1. Safely lift and support the vehicle. Remove the wheels.
2. Remove the brake caliper and support it without straining the brake hose.
3. Remove the old brake pads and brake disc rotor.
4. Clean the hub surface thoroughly to ensure proper seating of the new rotor.
5. Install the new MAC Auto Parts brake disc rotor.
6. Install the new MAC Auto Parts ceramic brake pads into the caliper bracket.
7. Reinstall the brake caliper and secure all fasteners to the manufacturer's torque specifications.
8. Repeat for all wheels.
9. Bleed the brake system if brake lines were opened or if air is suspected in the system.
10. Pump the brake pedal several times to seat the pads against the rotors before driving.
11. Perform a test drive in a safe area at low speed to confirm proper brake function.

## **OPERATING CONSIDERATIONS**

After installation, it is crucial to properly "bed-in" the new brake pads and rotors. This process helps to transfer a thin, even layer of pad material onto the rotor surface, which is essential for optimal braking performance and longevity, and to prevent noise and vibration.

### **Brake Bed-In Procedure:**

1. Find a safe, open area with minimal traffic.
2. Accelerate to approximately 35 mph (55 km/h) and apply moderate braking pressure to slow down to about 5 mph (8 km/h). Do not come to a complete stop.
3. Repeat this process 5-6 times, allowing a few minutes between each cycle for the brakes to cool slightly.
4. After the initial cycles, accelerate to approximately 50 mph (80 km/h) and apply firm braking pressure (but not hard enough to activate ABS) to slow down to about 5 mph (8 km/h).
5. Repeat this firmer braking process 2-3 times, again allowing for cooling between cycles.
6. Avoid heavy braking or prolonged stops immediately after the bed-in procedure. Allow the brakes to cool completely before normal driving.

During the bed-in process, you may notice some smoke or a burning smell; this is normal. After bed-in, the brakes should provide consistent and quiet performance.

## **MAINTENANCE**

Regular inspection and maintenance of your brake system are vital for safety and performance. Follow your vehicle

manufacturer's recommended maintenance schedule.

Recommended Maintenance Practices:

- **Regular Inspection:** Inspect brake pads, rotors, calipers, and brake lines at least once a year or every 12,000 miles (20,000 km), or as recommended by your vehicle manufacturer.
- **Pad Wear:** Replace brake pads when they reach their minimum thickness specification (typically 2-3mm).
- **Rotor Condition:** Check rotors for excessive wear, scoring, cracks, or warping. Rotors should be replaced if they fall below minimum thickness or show significant damage.
- **Brake Fluid:** Check brake fluid level and condition regularly. Replace brake fluid according to your vehicle manufacturer's recommendations.
- **Cleanliness:** Keep brake components free from dirt, debris, and corrosion.

TROUBLESHOOTING

If you experience any issues with your brake system after installing this kit, consult the following common troubleshooting tips. For complex issues, always seek assistance from a qualified technician.

Common Brake Issues:

- **Brake Noise (Squealing/Grinding):**
  - *Squealing:* Often caused by new pads not being properly bedded-in, or lack of anti-squeal shims/lube. Ensure proper bed-in and correct installation of all components.
  - *Grinding:* Typically indicates severe pad wear, where the metal backing plate is contacting the rotor. Inspect pads immediately and replace if worn.
- **Vibration/Pulsation during Braking:**
  - Often caused by warped rotors or uneven pad material transfer. Ensure proper bed-in procedure was followed. Inspect rotors for runout.
- **Reduced Braking Performance:**
  - Could be due to air in the brake lines (if lines were opened), contaminated pads, or improper bed-in. Check for leaks, re-bleed brakes, or re-perform bed-in.
- **Pulling to One Side during Braking:**
  - May indicate a seized caliper, uneven pad wear, or a brake hose issue on one side. Inspect calipers and hoses.

**Warning: Any significant brake system issue should be addressed immediately by a professional to ensure vehicle safety.**

SPECIFICATIONS

Attribute	Value
Brand	MAC
Manufacturer	Mac Auto Parts
Model Number	153551

Material	Ceramic (Pads)
Vehicle Service Type	Car
Kit Contents	2 Front Rotors, 1 Set Front Ceramic Pads, 2 Rear Rotors, 1 Set Rear Ceramic Pads

## WARRANTY INFORMATION

The warranty for your MAC Auto Parts brake service kit is stated on the product listing at the time of purchase. For specific details regarding warranty coverage, duration, and terms, please refer to the original product listing or contact the seller directly.



Figure 2: Warranty statement from the product listing.

If you have any questions regarding the warranty or require assistance, please contact the seller or manufacturer through the contact information provided on your purchase receipt or the product's sales platform.



For technical assistance, installation guidance, or any other product-related inquiries, it is recommended to consult a certified automotive professional. You may also reach out to the seller or manufacturer for support, referencing your purchase details and the product model number.

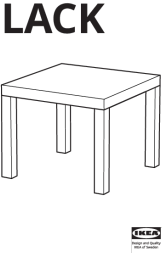


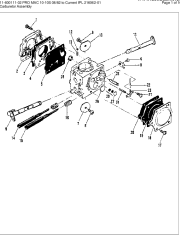
**Manufacturer:** Mac Auto Parts



For further assistance, please refer to the contact information provided with your purchase or on the official MAC Auto Parts website (if available).



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Related Documents - 153551

	<p><a href="#">IKEA LACK Table Assembly and Safety Instructions</a></p> <p>Concise and accessible guide for assembling the IKEA LACK table, including safety warnings and maximum load capacity. Learn how to safely assemble and use your LACK table, including part identification and step-by-step instructions. Maximum load capacity is 10 kg (22 lb).</p>
	<p><a href="#">MAC AUDIO PRO FLAT Series Car Speakers User Manual and Technical Data</a></p> <p>Comprehensive user manual and technical specifications for the MAC AUDIO PRO FLAT series car speakers, including installation guides, connection diagrams, and warranty information.</p>
	<p><a href="#">ROOFULL External CD/DVD Drive Troubleshooting Guide for Mac</a></p> <p>Comprehensive troubleshooting guide for ROOFULL external CD/DVD drives on Mac computers, covering common issues like drive recognition, playback problems, and tray ejection.</p>
	<p><a href="#">McCulloch PRO MAC 10-10S Chainsaw Parts Manual</a></p> <p>This document is an illustrated parts list (IPL) for the McCulloch PRO MAC 10-10S chainsaw, covering models from 08/82 to the current production. It details various assemblies including the carburetor, chain brake, fan housing/starter, fuel tank, and powerhead, providing part numbers and descriptions for each component.</p>

	<p><a href="#">How to Set the OSD Menu on Huion Kamvas Pro 13 &amp; 16 (2.5K)</a></p> <p>A comprehensive guide on how to set up and adjust the On-Screen Display (OSD) menu for Huion Kamvas Pro 13 and 16 (2.5K) pen displays, covering brightness, color temperature, color space, and driver settings.</p>
	<p><a href="#">Paragon NTFS for Mac OS X User Manual - Full Read/Write Access for NTFS Drives on macOS</a></p> <p>Comprehensive user manual for Paragon NTFS for Mac OS X, detailing installation, configuration, usage, troubleshooting, and advanced features for seamless NTFS drive access on macOS. Learn how to enable read/write capabilities for Windows NTFS partitions.</p>