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› Power Stop SC1854 Front Brake Kit User Manual

Power Stop SC1854

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Model: SC1854

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Power Stop SC1854 Front Brake Kit. This kit is designed to upgrade the braking performance of daily-driven vehicles, featuring Z17 Evolution Plus ceramic brake pads and semi-coated brake rotors.

SAFETY INFORMATION

Always prioritize safety when working on vehicle braking systems. Improper installation can lead to serious injury or vehicle damage.

- Professional installation by a certified mechanic is highly recommended.
- Always consult your vehicle's specific service manual for detailed brake system procedures and torque specifications.
- Wear appropriate personal protective equipment, including safety glasses and gloves, during installation.
- Ensure the vehicle is securely supported on jack stands before beginning any work.
- Do not reuse old brake hardware unless explicitly stated by the manufacturer.

PACKAGE CONTENTS

Verify that all components listed below are present and undamaged before beginning installation.



Image: The complete Power Stop SC1854 Front Brake Kit, showing two brake rotors, four brake pads, and a hardware kit with brake lubricant.

- Front Brake Rotors (2) - Semi-Coated
- Ceramic Brake Pads (4) - Z17 Evolution Plus
- Stainless-Steel Installation Hardware Kit
- High-Temperature Ceramic Brake Lubricant

SETUP (INSTALLATION)

The following steps provide a general overview of the installation process. Always refer to your vehicle's specific service manual for detailed instructions and safety precautions.

Pre-Installation Checks

- Ensure the vehicle is cool and parked on a level surface with the parking brake engaged.
- Confirm that the brake kit components match your vehicle's make, model, and year.
- Inspect all components for any shipping damage.

Installation Steps (General)

1. Safely lift the vehicle and secure it with jack stands. Remove the front wheels.
2. Remove the brake caliper and caliper bracket, then carefully remove the old brake pads and rotor.
3. Thoroughly clean the caliper bracket and hub assembly, removing any rust or debris.

4. Install the new stainless-steel hardware onto the caliper bracket.
5. Apply a thin layer of the provided high-temperature ceramic brake lubricant to the caliper slide pins and contact points where the brake pads will rest.
6. Install the new Z17 Evolution Plus ceramic brake pads into the caliper bracket.
7. Place the new semi-coated brake rotor onto the hub assembly.
8. Reinstall the caliper bracket and caliper, ensuring all bolts are torqued to the manufacturer's specifications.
9. Repeat the process for the other front wheel.
10. Reinstall the wheels and lower the vehicle.
11. Pump the brake pedal several times to ensure proper caliper engagement before driving.



Image: Close-up of hands installing brake hardware, demonstrating the use of the included high-quality stainless steel hardware kit for proper fitment.

OPERATING (USAGE)

After installation, a proper brake bedding procedure is crucial for optimal performance and longevity of your new brake components.

Brake Bedding Procedure

This process helps transfer a thin layer of pad material onto the rotor surface, ensuring consistent braking and reducing noise.

1. Find a safe, open area to perform the bedding procedure.
2. Accelerate to approximately 40 mph (65 km/h) and apply moderate braking pressure to slow down to 10 mph (16 km/h). Do not come to a complete stop.
3. Repeat this 5-6 times, allowing a short cool-down period between each stop.
4. After the initial series, drive for several minutes without braking to allow the system to cool completely.
5. Perform 2-3 stops from approximately 50 mph (80 km/h) down to 10 mph (16 km/h) with slightly firmer pressure.
6. Allow the brakes to cool completely before normal driving. Avoid hard braking for the first 200 miles (320 km).

Normal Operation

Once properly bedded, your Power Stop SC1854 brake kit will provide smooth, quiet, and consistent braking performance for your daily driving needs.



Image: A red car driving on a winding road, illustrating the product's suitability for daily-driven cars, trucks, or SUVs.

MAINTENANCE

Regular inspection and basic maintenance will help ensure the longevity and optimal performance of your Power Stop brake kit.

- **Routine Inspection:** Periodically inspect brake pads for wear and rotors for any signs of damage or excessive wear. Consult your vehicle's service manual for recommended inspection intervals.
- **Brake Fluid:** Check your vehicle's brake fluid level regularly and ensure it is within the manufacturer's recommended range.
- **Wheel Cleaning:** The Z17 Evolution Plus ceramic pads are designed with a low-dust formula to help keep your wheels cleaner. Regular washing will maintain their appearance.



Image: A close-up view of a brake rotor and caliper assembly within a wheel, highlighting the low-dust characteristic of the ceramic brake pads.



SEMI-COATED FINISH:

For corrosion resistance on hat,
outer edges, and vanes

Image: A detailed view of a semi-coated brake rotor, illustrating the protective coating applied to the hat, outer edges, and vanes for corrosion resistance.

RECOMMENDED USES:

for the daily-driver looking to upgrade the braking performance of their car, truck or SUV



Image: A diagram showing the construction of dual-layer rubberized shims on a brake pad, which are designed to insulate noise for virtually silent braking.

TROUBLESHOOTING

If you experience any issues with your brake kit, consider the following common problems and solutions.

Noise During Braking (Squealing, Grinding)

- **Solution:** Ensure the brake bedding procedure was correctly performed. Check for proper installation of hardware and adequate application of brake lubricant. Inspect for foreign objects or uneven pad wear.

Reduced Braking Performance

- **Solution:** Verify proper brake fluid levels. Check for any fluid leaks or air in the brake lines (requires professional bleeding). Ensure pads are not excessively worn.

Vibration or Pulsation During Braking

- **Solution:** While Power Stop rotors are 100% dynamic mill balanced, check for proper lug nut torque on your wheels. Inspect for any damage to the rotors or hub assembly.

SPECIFICATIONS

Model Number	SC1854
Position	Front
Rotor Type	Semi-Coated
Pad Material	Ceramic (Z17 Evolution Plus)
Item Weight	22.6 kg
UPC	889906814467
Manufacturer	Power Stop

WARRANTY INFORMATION

Power Stop products are backed by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the official Power Stop website or contact their customer service directly. Keep your proof of purchase for warranty claims.

SUPPORT

For technical assistance, installation questions, or any other inquiries regarding your Power Stop SC1854 Front Brake Kit, please contact Power Stop customer service or an authorized Power Stop dealer. Detailed contact information can typically be found on the official Power Stop website.