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maXpeedingrods BK12

maXpeedingrods Replacement Brake Kit Instruction Manual

Model: BK12

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your maXpeedingrods Replacement Brake Kit. Please read this manual thoroughly before beginning any procedures to ensure proper function and safety.

1. Setup and Installation

1.1 Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands or a lift before working underneath.
- Allow the vehicle's brake system to cool down completely before servicing.
- Consult a professional mechanic if you are unsure about any step of the installation process.

1.2 Tools Required

- Socket Wrench Set
- Torque Wrench
- Brake Caliper Compression Tool
- Brake Cleaner
- High-Temperature Grease
- Jack and Jack Stands

1.3 Installation Steps

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 wheels to be serviced.
2. **Lift and Secure:** Lift the vehicle using a jack and secure it with jack stands. Remove the wheels.
3. **Remove Old Components:** Remove the brake caliper bolts, then carefully remove the caliper and hang it without straining the brake hose. Remove the old brake pads and rotor.
4. **Clean Hub Assembly:** Thoroughly clean the hub assembly and caliper bracket using a wire brush and brake

cleaner.

5. **Install New Rotor:** Place the new maXpeedingrods brake rotor onto the hub. Ensure it sits flush.
6. **Install New Pads:** Apply a thin layer of high-temperature grease to the back of the new brake pads and the caliper slide pins. Install the new pads into the caliper bracket.
7. **Compress Caliper Piston:** Use a brake caliper compression tool to push the caliper piston back into its bore.
8. **Reinstall Caliper:** Mount the caliper over the new pads and rotor, then reattach the caliper bolts. Torque to manufacturer specifications.
9. **Bleed Brakes (if necessary):** If the brake lines were opened, bleed the brake system according to the vehicle manufacturer's instructions.
10. **Reinstall Wheels:** Reinstall the wheels and hand-tighten the lug nuts. Lower the vehicle and torque the lug nuts to specification.



This image shows a detailed view of a component from the maXpeedingrods brake system, highlighting its construction and connections. This part is integral to the hydraulic function of the brake system.

2. Operating Your New Brake Kit

2.1 Break-in Procedure (Bedding)

Properly bedding in your new brake pads and rotors is crucial for optimal performance and longevity. Follow these steps:

1. Find a safe, open area where you can accelerate and brake without interruption.
2. Accelerate to approximately 35 mph (56 km/h) and apply moderate brake pressure to slow down to about 5 mph (8 km/h). Do not come to a complete stop.
3. Repeat this process 8-10 times, allowing a short cool-down period between each stop.
4. After the initial series of stops, drive for several minutes without using the brakes to allow them to cool down completely.
5. Avoid hard braking or prolonged braking for the first 200-300 miles (320-480 km) after installation.

2.2 Driving Considerations

After installation and proper bedding, your maXpeedingrods brake kit will provide enhanced stopping power. Always drive responsibly and be aware of road conditions.

3. Maintenance and Care

3.1 Regular Inspections

Regularly inspect your brake system for wear and tear. It is recommended to check:

- **Brake Pad Thickness:** Replace pads when they reach their minimum thickness (typically 2-3mm).
- **Rotor Condition:** Check for excessive scoring, warping, or cracks. Rotors should be replaced if they are below their minimum thickness specification.
- **Brake Fluid Level and Condition:** Ensure brake fluid is at the proper level and appears clear. Contaminated or low fluid can indicate a problem.
- **Brake Hoses and Lines:** Inspect for cracks, leaks, or bulges.
- **Caliper Operation:** Ensure calipers move freely and are not seized.

3.2 Cleaning

Use a dedicated brake cleaner to remove dust and debris from brake components during inspections or tire rotations.

3.3 Fluid Replacement

Consult your vehicle's owner's manual for recommended brake fluid flush intervals. Typically, brake fluid should be replaced every 2-3 years.

4. Troubleshooting Common Issues

Symptom	Possible Cause	Solution
Squealing/Grinding Noise	Worn brake pads, foreign object, improper bedding, glazed pads/rotors.	Inspect pads for wear, remove debris, re-bed brakes, or replace pads/rotors.
Vibration/Pulsation during Braking	Warped rotors, uneven pad wear, loose wheel bearings.	Inspect and replace warped rotors, check and replace pads, inspect wheel bearings.

Soft Brake Pedal	Air in brake lines, low brake fluid, faulty master cylinder.	Bleed brake system, check fluid level and leaks, inspect master cylinder.
Vehicle Pulls to One Side	Seized caliper, uneven pad wear, contaminated brake fluid.	Inspect and service calipers, replace pads, flush brake fluid.

5. Specifications

This maXpeedingrods replacement brake kit is designed for specific automotive applications. Refer to your vehicle's manufacturer specifications for compatibility.

- **Model Number:** BK12
- **Manufacturer:** maXpeedingrods
- **Application:** Automotive Brake System Replacement
- **Material:** High-performance friction materials and durable rotor alloys.

6. Warranty Information

maXpeedingrods products typically come with a manufacturer's warranty covering defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official maXpeedingrods website. Keep your proof of purchase for warranty claims.

7. Customer Support

If you encounter any issues or have questions regarding your maXpeedingrods Replacement Brake Kit that are not covered in this manual, please contact maXpeedingrods customer support:

- **Website:** Visit maXpeedingrods Store on Amazon
- **Email/Phone:** Refer to the contact information provided on the product packaging or the official website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Details

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