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› SHIMANO K05S-RX Disc Brake Pads Instruction Manual

SHIMANO K05S-RX

SHIMANO K05S-RX Disc Brake Pads Instruction Manual

INTRODUCTION

This manual provides instructions for the proper installation, use, and maintenance of your SHIMANO K05S-RX Disc Brake Pads. These resin compound brake pads feature a stainless steel back plate and are designed for optimal braking performance and durability in various cycling conditions.

SAFETY INFORMATION

Warning: Improper installation or maintenance of brake components can lead to serious injury or death. If you are unsure about any part of these instructions, consult a qualified bicycle mechanic.

- Always wear appropriate safety gear when working on your bicycle.
- Ensure all components are clean and free from grease or oil before installation. Contamination can severely reduce braking performance.
- Brakes require a break-in period. Avoid aggressive braking immediately after installation.
- Regularly inspect your brake system for wear and damage.

PACKAGE CONTENTS

Each package of SHIMANO K05S-RX Disc Brake Pads typically contains:

- One (1) pair of SHIMANO K05S-RX Disc Brake Pads (resin compound, stainless steel back plate)
- One (1) spring
- One (1) split pin (or retaining clip, depending on caliper design)

SETUP: INSTALLATION GUIDE

Tools Required:

- Hex wrench set (for caliper mounting bolts)
- Flathead screwdriver or dedicated pad spreader (to push pistons back)
- Clean rags
- Brake cleaner (optional, for cleaning caliper and rotor)

Installation Steps:

1. **Remove Wheel:** Carefully remove the wheel from your bicycle.
2. **Remove Old Pads:** Use a flathead screwdriver or a dedicated pad spreader to gently push the brake caliper pistons back into the caliper body. Remove the retaining clip or split pin, then slide out the old brake pads and spring.
3. **Clean Caliper:** Clean the inside of the brake caliper with a clean rag. If necessary, use a brake cleaner, ensuring no residue remains. Avoid touching the pad surface with bare hands or oily rags.
4. **Insert New Pads:** Place the new SHIMANO K05S-RX brake pads into the caliper, ensuring the spring is correctly positioned between them. The resin compound surface should face the rotor.
5. **Secure Pads:** Reinsert the retaining clip or split pin to secure the pads in place. If using a split pin, bend its ends to prevent it from falling out.
6. **Reinstall Wheel:** Reinstall the wheel onto your bicycle, ensuring it is properly seated in the dropouts.
7. **Align Caliper:** Squeeze the brake lever several times to allow the pistons to self-adjust. If the rotor rubs against the pads, loosen the caliper mounting bolts slightly, squeeze the brake lever firmly, and retighten the bolts while holding the lever. Release the lever and check for rubbing. Repeat if necessary.



Image: A single SHIMANO K05S-RX disc brake pad, illustrating the resin compound surface and the stainless steel back plate with the retaining tab. This image shows the general appearance of the brake pad.

OPERATING YOUR BRAKE PADS

Brake Pad Break-in Procedure:

New brake pads require a break-in period to achieve optimal performance. This process beds the pad material to the rotor surface, ensuring consistent and powerful braking.

1. Find a safe, open area with no traffic and a clear path.
2. Accelerate to a moderate speed (e.g., 20 km/h or 12 mph).
3. Apply the brakes firmly but gradually, slowing down to walking speed. Do not come to a complete stop. This allows the pad material to transfer to the rotor without glazing.
4. Repeat this process approximately 20-30 times for each brake (front and rear).

- 5. Allow the brakes to cool down between sets of applications to prevent overheating.

After the break-in period, you should notice improved braking power, consistency, and reduced noise.

MAINTENANCE

Regular Inspection:

- Regularly inspect your brake pads for wear. Replace pads when the pad material is less than 0.5 mm thick or if they show signs of uneven wear, cracking, or contamination.
- Check the brake rotor for excessive wear, cracks, or contamination. A contaminated rotor can lead to reduced braking power and noise.
- Ensure brake levers feel firm and responsive. A spongy lever feel may indicate air in the hydraulic system, requiring a bleed by a qualified mechanic.

Cleaning:

Keep brake calipers and rotors clean. Use a dedicated brake cleaner to remove dirt, oil, or grease. Avoid getting lubricants (e.g., chain lube) on brake components, as this will contaminate the pads and rotor, severely impairing braking performance.

TROUBLESHOOTING COMMON ISSUES

Squealing Brakes:

- **Contamination:** Clean rotors and pads thoroughly with a dedicated brake cleaner. Ensure no oil or grease is present. If pads are heavily contaminated, replacement may be necessary.
- **Improper Break-in:** Perform the break-in procedure as described in the "Operating" section to properly bed the pads.
- **Misalignment:** Realign the brake caliper as described in the "Installation" section to ensure proper contact with the rotor.
- **Worn Pads:** Replace pads if worn beyond the recommended thickness.

Reduced Braking Power:

- **Worn Pads:** Replace pads if the material is too thin.
- **Contamination:** Clean rotors and pads. Contaminated pads may need replacement.
- **Air in System:** If using hydraulic brakes, air in the system will cause a spongy lever feel and reduced power. The system may need bleeding by a qualified mechanic.
- **Improper Break-in:** Ensure pads are properly bedded in according to the "Operating" section.

SPECIFICATIONS

Feature	Detail
Model Number	K05S-RX (Manufacturer Part Number: EBPK05SRXA)
Pad Material	Resin Compound (5th generation)
Back Plate Material	Stainless Steel

Compatibility	Designed for 2-piston calipers. Compatible with models including M9100, M8110, R9270, and others.
Wear Resistance	50% better than K03S, 110% better than K02S
Radiator Fin	No (Finless design)
Product Dimensions (Packaging)	17.8L x 12.7W x 5.1H cm
UPC	192790327303
Country of Origin	China

WARRANTY INFORMATION

SHIMANO products are covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the official SHIMANO website or contact your local authorized dealer. Keep your proof of purchase for any warranty claims.

SUPPORT

For technical assistance, spare parts, or further product information, please visit the official SHIMANO website or contact your authorized SHIMANO dealer.

Official Website: bike.shimano.com

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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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

