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## SHIMANO EMT200KRRXRA170

# SHIMANO Disc Brake Assembled Set User Manual

Model: BL-MT200(R), BR-MT200(R)

## INTRODUCTION

Thank you for choosing the SHIMANO Disc Brake Assembled Set. This manual provides essential information for the proper installation, operation, and maintenance of your new hydraulic disc brake system. This set includes the BL-MT200 hydraulic disc brake lever and the BR-MT200 disc brake caliper, pre-bled for convenience. Please read this manual thoroughly before use to ensure safe and optimal performance.



Image: The SHIMANO BL-MT200 hydraulic disc brake lever and BR-MT200 disc brake caliper, shown assembled.

## SETUP AND INSTALLATION

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Your SHIMANO Disc Brake Set comes pre-bled, meaning the hydraulic system is sealed and filled with fluid, ready for installation. A hydraulic hose is included. Please note that a rotor is **not** included and must be purchased separately.

### Installation Steps:

1. **Mount the Caliper:** Attach the BR-MT200 disc brake caliper to your bicycle's frame or fork using the appropriate bolts. Ensure it is securely fastened to the post mount.
2. **Mount the Lever:** Secure the BL-MT200 hydraulic disc brake lever to your handlebar. The lever is designed for right-hand orientation. Adjust its position for comfortable reach and operation.
3. **Connect the Hose:** Route the hydraulic hose from the lever to the caliper, ensuring it does not interfere with steering or suspension movement. Secure the hose with cable ties or frame guides as necessary.
4. **Install Rotor:** Install a compatible disc brake rotor onto your wheel hub according to the rotor manufacturer's instructions.
5. **Align Caliper:** With the wheel installed, align the brake caliper so that the brake pads are centered over the rotor without rubbing. Tighten the caliper mounting bolts.
6. **Test Brakes:** Before riding, pump the brake lever several times until it feels firm. Check for any fluid leaks and ensure proper braking function.

For detailed visual instructions, consult a professional bicycle mechanic or refer to SHIMANO's official installation guides available online.

## OPERATING INSTRUCTIONS

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The SHIMANO hydraulic disc brake system provides powerful and consistent braking performance. To operate, simply squeeze the brake lever on your handlebar. The hydraulic fluid (mineral oil) transmits the force from the lever to the caliper, pressing the resin pads against the rotor to slow or stop the bicycle.

- **Braking Technique:** Apply both front and rear brakes smoothly and progressively. Avoid sudden, hard braking, especially with the front brake, as this can lead to loss of control.
- **Brake Feel:** A properly functioning hydraulic brake lever should feel firm and consistent throughout its pull.
- **Bedding-in New Pads:** New brake pads require a bedding-in period to achieve full performance. Perform several moderate stops from a cruising speed to allow the pads to conform to the rotor surface.

## MAINTENANCE

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Regular maintenance is crucial for the longevity and performance of your SHIMANO disc brakes.

- **Pad Wear:** Regularly inspect the brake pads for wear. Replace pads when the friction material is worn down to 0.5mm or less. Always replace pads in pairs.
- **Rotor Condition:** Check the rotor for excessive wear, bends, or contamination. Clean rotors with a clean cloth and isopropyl alcohol if contaminated.
- **Fluid Level and Bleeding:** While your brakes are pre-bled, over time, air can enter the system or fluid can degrade. If the lever feels spongy or inconsistent, the system may need to be bled. Use only SHIMANO genuine mineral oil for bleeding.

- **Cleaning:** Keep the calipers and rotors clean and free of dirt, oil, and grease. Avoid using harsh chemicals that could damage brake components.
- **Bolt Torque:** Periodically check all mounting bolts (caliper, lever, rotor) to ensure they are tightened to the manufacturer's specified torque settings.

## TROUBLESHOOTING

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Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Spongy Brake Lever	Air in the hydraulic system	Bleed the brake system using SHIMANO mineral oil.
Brake Noise (Squealing/Grinding)	Contaminated pads/rotor, worn pads, misaligned caliper	Clean pads/rotor with isopropyl alcohol, replace worn pads, realign caliper.
Brake Rubbing	Misaligned caliper, bent rotor, sticky piston	Realign caliper, true or replace bent rotor, clean and lubricate pistons.
Poor Braking Power	Worn pads, contaminated pads/rotor, air in system, improper bedding-in	Replace pads, clean components, bleed system, re-bed pads.

If you encounter issues not listed here or are unsure about a repair, please consult a qualified bicycle mechanic.

## SPECIFICATIONS

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Feature	Detail
Brand	SHIMANO
Model Name	Disc Brake Assembled Set (BL-MT200, BR-MT200)
Part Number	EMT200KRRXRA170
Color	Black
Brake Type	Hydraulic Disc Brake
Brake Lever Actuation	Hydraulic
Brake Caliper Type	Post Mount
Hydraulic Fluid Type	Mineral Oil
Pad Compound	Resin
Hydraulic Hose Length	1700 mm
Rotor Included	No
Item Weight	0.3 Kilograms
Material	Metal (Caliper), Resin (Handle)
Hand Orientation	Right
Suggested Users	Unisex-adult
Sport Type	Cycling

## WARRANTY INFORMATION

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SHIMANO products are manufactured to high standards and are covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and product. Please retain your proof of purchase for warranty claims.

For detailed warranty information, please visit the official SHIMANO website or contact your local SHIMANO distributor.

## SUPPORT

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For technical assistance, troubleshooting, or further inquiries regarding your SHIMANO Disc Brake Set, please refer to the following resources:

- **Official SHIMANO Website:** Visit [bike.shimano.com](https://bike.shimano.com) for product manuals, technical documents, and FAQs.
- **Authorized Dealers:** Contact your local authorized SHIMANO dealer or bicycle shop for professional service and support.
- **Customer Service:** For direct support, please refer to the contact information provided on the official SHIMANO website for your region.

