

Magura HS11

Magura HS11 Easy Mount Hydraulic Rim Brake Bicycle Brake User Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Magura HS11 Easy Mount Hydraulic Rim Brake. Please read this manual thoroughly before using the product to ensure safe and optimal performance. The Magura HS11 is designed for trekking and city bicycles, offering reliable hydraulic braking performance.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the specialized nature of hydraulic brake systems, professional installation by a qualified bicycle mechanic is strongly recommended. Incorrect installation can lead to brake failure and serious injury.
- **Brake Fluid:** This system uses Magura Royal Blood hydraulic fluid. Do not use other types of brake fluid, as this can damage the system and void the warranty.
- **Regular Inspection:** Before each ride, inspect the brake levers, hoses, and pads for any signs of wear, damage, or leaks. Ensure brake pads are correctly aligned and have sufficient material.
- **Brake Performance:** Hydraulic brakes offer powerful stopping force. Familiarize yourself with the brake's feel and modulation in a safe environment before riding in traffic or challenging terrain.
- **Heat Generation:** Prolonged braking, especially on long descents, can cause the rim and brake pads to heat up significantly. Allow components to cool down to prevent damage or reduced braking performance.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1x Magura HS11 Easy Mount Hydraulic Rim Brake (single unit)
- Installation Hardware



This image displays the primary components of the Magura HS11 Easy Mount Hydraulic Rim Brake system, including the ergonomic 3-finger brake lever and the hydraulic rim brake caliper assembly. Both components are black.

4. SETUP AND INSTALLATION

The Magura HS11 features an Easy Mount attachment system for simplified installation. However, hydraulic brake systems require precise setup for optimal safety and performance.

1. **Mounting the Brake Lever:** Secure the 3-finger brake lever to your handlebar. The lever is ambidextrous and can be used on either the left or right side. Ensure it is positioned for comfortable and safe reach.
2. **Mounting the Caliper:** Attach the hydraulic rim brake caliper assembly to your bicycle's frame or fork using the Canti Easy Mount system. Ensure the brake pads are correctly aligned with the rim.
3. **Connecting the Hydraulic Line:** Carefully route and connect the hydraulic line between the brake lever and the caliper. Avoid sharp bends or kinks in the line.
4. **Bleeding the System:** This is a critical step for hydraulic brakes. The system must be properly bled to remove any air bubbles, which can cause a spongy lever feel and reduce braking power. Refer to Magura's official bleeding instructions or consult a professional mechanic. The system uses Magura Royal Blood brake fluid.
5. **Adjusting Brake Pads:** Ensure the brake pads make full contact with the rim surface when the brake is applied, without touching the tire. Adjust the pad position as needed.
6. **Testing:** After installation, thoroughly test the brake function in a controlled environment before riding.

5. OPERATING INSTRUCTIONS

The Magura HS11 hydraulic rim brake operates by squeezing the 3-finger lever, which actuates the hydraulic system to press the brake pads against the rim.

- **Brake Engagement:** Apply pressure to the brake lever to engage the brake. The amount of pressure applied directly correlates to the braking force.
- **Modulation:** Hydraulic brakes offer excellent modulation, allowing for fine control over braking power. Practice applying varying pressure to achieve smooth and controlled stops.
- **Emergency Braking:** In an emergency, apply firm and even pressure to both front and rear brakes

simultaneously. Avoid locking up the wheels, especially the front wheel, to maintain control.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Magura HS11 brake system.

- **Cleanliness:** Keep the brake calipers, pads, and rim braking surfaces clean and free of dirt, oil, or grease. Use a clean cloth and appropriate brake cleaner if necessary.
- **Brake Pad Wear:** Regularly check the brake pads for wear. Replace pads when the wear indicator is no longer visible or when they are worn down to the minimum thickness.
- **Hydraulic Fluid Level:** Periodically check the brake fluid level and condition. If the lever feels spongy or braking performance degrades, the system may need bleeding or a fluid top-up.
- **Hose Inspection:** Inspect the hydraulic hoses for any cuts, abrasions, or leaks. Replace damaged hoses immediately.
- **Fastener Torque:** Ensure all mounting bolts and fasteners are tightened to the manufacturer's specified torque settings.

7. TROUBLESHOOTING

Below are common issues and potential solutions for your Magura HS11 brake.

Problem	Possible Cause	Solution
Spongy brake lever	Air in the hydraulic system	Bleed the brake system to remove air.
Poor braking performance	Worn brake pads, contaminated pads/rim, air in system	Replace worn pads. Clean pads and rim. Bleed system.
Brake rubbing on rim	Misaligned caliper, bent rim	Realign caliper. True the wheel if the rim is bent.
Brake fluid leak	Damaged hose, loose fitting, damaged seal	Inspect and replace damaged components. Tighten fittings. Seek professional repair.

8. SPECIFICATIONS

- **Brand:** Magura
- **Model:** HS11 Easy Mount Hydraulic Rim Brake
- **Part Number:** 2701252
- **Application:** Trekking/City Bicycles
- **Brake Type:** Hydraulic Rim Brake
- **Lever Type:** 3-finger
- **Lever Material:** Carbotecture
- **Caliper Material:** Aluminum
- **Brake Medium:** Royal Blood
- **Attachment:** Canti Easy Mount
- **Color:** Black

- **Item Weight:** Approximately 0.43 Kilograms (single unit)
- **Hand Orientation:** Ambidextrous (can be used left or right)

9. WARRANTY AND SUPPORT

The Magura HS11 Hydraulic Rim Brake is covered by the manufacturer's standard warranty. For specific warranty terms, conditions, and duration, please refer to the documentation provided with your purchase or visit the official Magura website. For technical support, spare parts, or service inquiries, please contact Magura customer service or your authorized Magura dealer.