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Magura 2702218

Magura MT7 Disc Brake Master Cylinder and Lever Assembly User Manual

Model: 2702218

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Magura MT7 Disc Brake Master Cylinder and Lever Assembly. Please read this manual thoroughly before installation and use to ensure safe and optimal performance of your bicycle braking system.

2. PRODUCT OVERVIEW

The Magura MT7 Disc Brake Master Cylinder and Lever Assembly is a high-performance component designed for bicycle braking systems. This assembly includes the master cylinder and the brake lever. It is engineered for reliable and consistent braking power.

Key Features:

- Complete master cylinder and lever assembly.
- Flip-flop design: The MT Next and MT series levers are designed to be ambidextrous, allowing them to be used for either the left or right side of the handlebar.
- Constructed from durable aluminum for reliable performance.



Image 1: Magura MT7 Disc Brake Master Cylinder and Lever Assembly. This image shows the black aluminum master cylinder and lever, designed for bicycle disc brake systems.

3. SAFETY INFORMATION

WARNING: Improper installation or maintenance of bicycle brake components can lead to serious injury or death. If you are not confident in your ability to install or maintain this product, seek assistance from a qualified bicycle mechanic.

- Always wear appropriate safety gear when working on bicycles.
- Ensure all fasteners are tightened to the manufacturer's specified torque settings. Overtightening or undertightening can cause component failure.
- Regularly inspect your braking system for wear, damage, or leaks. Do not ride with a compromised braking system.
- This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

4. PACKAGE CONTENTS

The package for the Magura MT7 Disc Brake Master Cylinder and Lever Assembly typically includes:

- 1x Magura MT7 Disc Brake Master Cylinder and Lever Assembly

Note: Brake hoses, hose-mount fittings, brake calipers, and brake fluid are sold separately and are not included with this assembly.

5. SETUP AND INSTALLATION

Installation of the Magura MT7 Disc Brake Master Cylinder and Lever Assembly requires specific tools and knowledge. It is recommended that installation be performed by a qualified bicycle mechanic. If you choose to install it yourself, proceed with caution and refer to Magura's official technical documentation for detailed instructions and torque specifications.

General Installation Steps:

1. **Prepare the Handlebar:** Ensure the handlebar area where the lever will be mounted is clean and free of obstructions.
2. **Mount the Lever:** Position the master cylinder and lever assembly on the handlebar. The flip-flop design allows for mounting on either the left or right side. Adjust the angle for ergonomic comfort.
3. **Secure the Clamp:** Tighten the clamp bolts evenly to the manufacturer's specified torque. Do not overtighten.
4. **Connect Brake Hose:** Attach the brake hose (sold separately) to the master cylinder according to Magura's instructions. Ensure a secure, leak-free connection.
5. **Bleed the System:** After connecting the hose and caliper (sold separately), the hydraulic brake system must be properly bled to remove air and ensure proper function. Follow Magura's bleeding procedure carefully.
6. **Adjust Lever Reach:** Adjust the lever reach to your preference using the integrated adjustment mechanism.
7. **Final Check:** Before riding, thoroughly check the entire braking system for proper function, lever feel, and any leaks.

For detailed visual guides and specific torque values, please visit the official Magura website or consult a certified dealer.

6. OPERATING INSTRUCTIONS

The Magura MT7 brake lever operates by compressing hydraulic fluid, which in turn actuates the brake caliper to slow or stop the bicycle. To operate, gently pull the brake lever towards the handlebar. The amount of braking force is proportional to the pressure applied to the lever.

- **Familiarization:** Before riding, practice braking at low speeds in a safe, open area to become familiar with the brake's feel and power.
- **Progressive Braking:** Apply brake pressure progressively. Sudden, hard braking can cause loss of traction or control.
- **Lever Reach Adjustment:** Ensure the lever reach is set comfortably for your hand size, allowing full braking power without straining your fingers.

7. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your Magura MT7 brake system.

- **Inspect Regularly:** Before each ride, check the brake levers for proper function, ensuring they return smoothly and have consistent feel. Inspect the master cylinder and hose connections for any signs of fluid leaks.

- **Clean Components:** Keep the master cylinder and lever clean. Use a soft cloth and mild soap and water. Avoid harsh chemicals that could damage seals or finishes.
- **Brake Fluid:** Hydraulic brake fluid should be checked and replaced periodically according to Magura's recommendations. Use only Magura-approved brake fluid.
- **Brake Pads:** Regularly inspect brake pads for wear and replace them before they are fully worn. Worn pads can damage rotors and reduce braking performance.
- **Professional Service:** For complex maintenance tasks or if you notice any unusual behavior, consult a qualified bicycle mechanic.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your Magura MT7 brake system. For more detailed troubleshooting, refer to Magura's official technical resources.

Problem	Possible Cause	Solution
Spongy or soft brake lever	Air in the hydraulic system; low brake fluid level.	Bleed the brake system to remove air. Check and top up brake fluid.
Reduced braking power	Worn brake pads; contaminated pads/rotor; air in system; improper bleeding.	Inspect and replace brake pads. Clean rotor and pads (if not too contaminated). Re-bleed the system.
Brake lever does not return fully	Sticking piston in caliper; debris in lever mechanism; insufficient fluid.	Clean and lubricate lever pivot. Inspect caliper pistons. Check fluid level.
Fluid leak from master cylinder	Damaged seal; loose connection.	Tighten connections to specified torque. If seals are damaged, professional repair or replacement may be necessary.

9. SPECIFICATIONS

Feature	Detail
Model Number	2702218
Brand	Magura
Material	Aluminum
Color	Black
Item Weight	3.07 ounces (87 grams)
Product Dimensions	9 x 4.5 x 4 inches
Handle Orientation	Ambidextrous (Flip-flop design)
Special Feature	Easy to Install
Included Components	Master Cylinder and Lever Assembly

10. WARRANTY AND SUPPORT

This Magura product is covered by the Original Manufacturer Warranty. For specific details regarding warranty coverage, duration, and claims procedures, please refer to the warranty documentation included 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. When contacting support, please have your product model number (2702218) and purchase information readily available.

Magura Official Website: www.magura.com