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› WOOSTAR Rear Foot Brake Master Cylinder (Model YL-C029-126) Instruction Manual

## WOOSTAR YL-C029-126

# WOOSTAR Rear Foot Brake Master Cylinder (Model YL-C029-126) Instruction Manual

## 1. PRODUCT OVERVIEW

This manual provides essential information for the proper installation, operation, and maintenance of your WOOSTAR Rear Foot Brake Master Cylinder, Model YL-C029-126. This component is designed for various ATV, scooter, moped, dirt pit bike, and go-kart applications, ensuring reliable braking performance.



Image 1.1: WOOSTAR Rear Foot Brake Master Cylinder with key dimensions. Note the mounting hole distance of 40mm (1.6 inches).

## 2. PRODUCT FEATURES

- **Durable Construction:** Manufactured from thickened aluminum alloy for high strength and extended usable life.



Image 2.1: Close-up view highlighting the thickened aluminum alloy construction of the master cylinder body.

- **Secure Fluid Connection:** Designed with strong airtightness to ensure pipeline connections are secure and durable, preventing leaks.

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## STRONG AIRTIGHTNESS

- Pipeline Connection is More Secure and Durable

Image 2.2: Illustration of the secure and airtight pipeline connection point on the master cylinder.

- **High-Density Rubber Components:** Features high-density PVC outer skin for strong cold resistance, making it less prone to breaking in winter conditions.



Image 2.3: Diagram showing the high-density rubber material used in the brake fluid hose, designed for durability and cold resistance.

- **Excellent Braking Performance:** Professionally manufactured to deliver reliable and effective braking.
- **Easy Installation:** Designed for straightforward modification and refitting.

### 3. SPECIFICATIONS

| Specification                         | Value              |
|---------------------------------------|--------------------|
| Brand                                 | WOOSTAR            |
| Model Number                          | YL-C029-126        |
| Mounting Hole Distance                | 40mm / 1.6 inches  |
| Piston Diameter (inside pump)         | 14mm / 0.55 inches |
| Thread Specifications (Threaded Push) | M10x1.25           |

|                    |             |
|--------------------|-------------|
| Material           | Alloy Steel |
| Auto Part Position | Rear        |
| Item Weight        | 0.27 kg     |

## 4. COMPATIBILITY

This rear foot brake master cylinder is compatible with a wide range of vehicles. Please verify the mounting hole distance and other specifications against your vehicle's requirements before ordering.

- 110cc, 125cc, 150cc, 200cc, 250cc Taotao ATVs, 4 Wheelers, Quads, Dune Buggies, and Scooters.
- Hawk 250cc.
- 1980 CB900F.
- CB900F, CBR1000F, CBR600 F4i.
- Suzuki GSX R600, 750, 1000.



Image 4.1: Examples of vehicle types compatible with this brake master cylinder.

## 5. SETUP AND INSTALLATION

**Safety First:** Always wear appropriate safety gear, including eye protection and gloves. Ensure the vehicle is stable and secure before beginning any work. If you are unsure about any step, consult a qualified mechanic.

1. **Gather Tools:** Collect necessary tools including wrenches, brake fluid, a bleed kit, and a drain pan.
2. **Remove Old Master Cylinder (if replacing):**
  - Place a drain pan under the master cylinder to catch any brake fluid.

- Disconnect the brake lines from the old master cylinder.
- Unbolt the old master cylinder from its mounting point.

### 3. Mount New Master Cylinder:

- Position the new WOOSTAR master cylinder at the mounting location.
- Secure it using the appropriate bolts, ensuring the 40mm mounting hole distance aligns correctly.

### 4. Connect Brake Lines:

- Carefully connect the brake lines to the new master cylinder. Ensure all connections are tight to prevent leaks.

### 5. Fill Reservoir:

- Fill the fluid reservoir with new, recommended brake fluid up to the MAX line.

### 6. Bleed Brake System:

- Bleed the brake system to remove any air from the lines. Follow your vehicle's specific bleeding procedure. This typically involves pumping the brake pedal and opening/closing the bleed valve at the caliper.
- Continue bleeding until no air bubbles are visible in the fluid exiting the bleed valve.

### 7. Test Brakes:

- Once installation and bleeding are complete, test the brake system in a safe, open area at low speed.
- Ensure the brake pedal feels firm and responsive, and that the vehicle stops effectively.

## 6. OPERATING INSTRUCTIONS

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The rear foot brake master cylinder is an integral part of your vehicle's braking system. Proper operation ensures safety and control.

- **Brake Pedal Application:** Apply steady, progressive pressure to the foot brake pedal to engage the rear brake. Avoid sudden or excessive force unless in an emergency.
- **Smooth Braking:** For optimal control and to prevent skidding, apply the brake smoothly and gradually.
- **Familiarization:** Practice braking in a safe environment to become familiar with the feel and response of your vehicle's rear brake.

## 7. MAINTENANCE

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Regular maintenance of your brake master cylinder is crucial for safety and longevity.

- **Check Brake Fluid Level:** Periodically check the brake fluid level in the reservoir. It should be between the MIN and MAX marks. Top up with the recommended brake fluid if necessary.
- **Inspect for Leaks:** Regularly inspect the master cylinder, brake lines, and connections for any signs of brake fluid leaks. Address any leaks immediately.
- **Inspect Brake Lines and Hoses:** Check brake lines and hoses for cracks, wear, or damage. Replace any compromised components.
- **Fluid Replacement:** Consult your vehicle's service manual for recommended brake fluid replacement intervals. Brake fluid can absorb moisture over time, reducing its effectiveness.

## 8. TROUBLESHOOTING

If you experience issues with your brake system, refer to the following common problems and potential solutions.

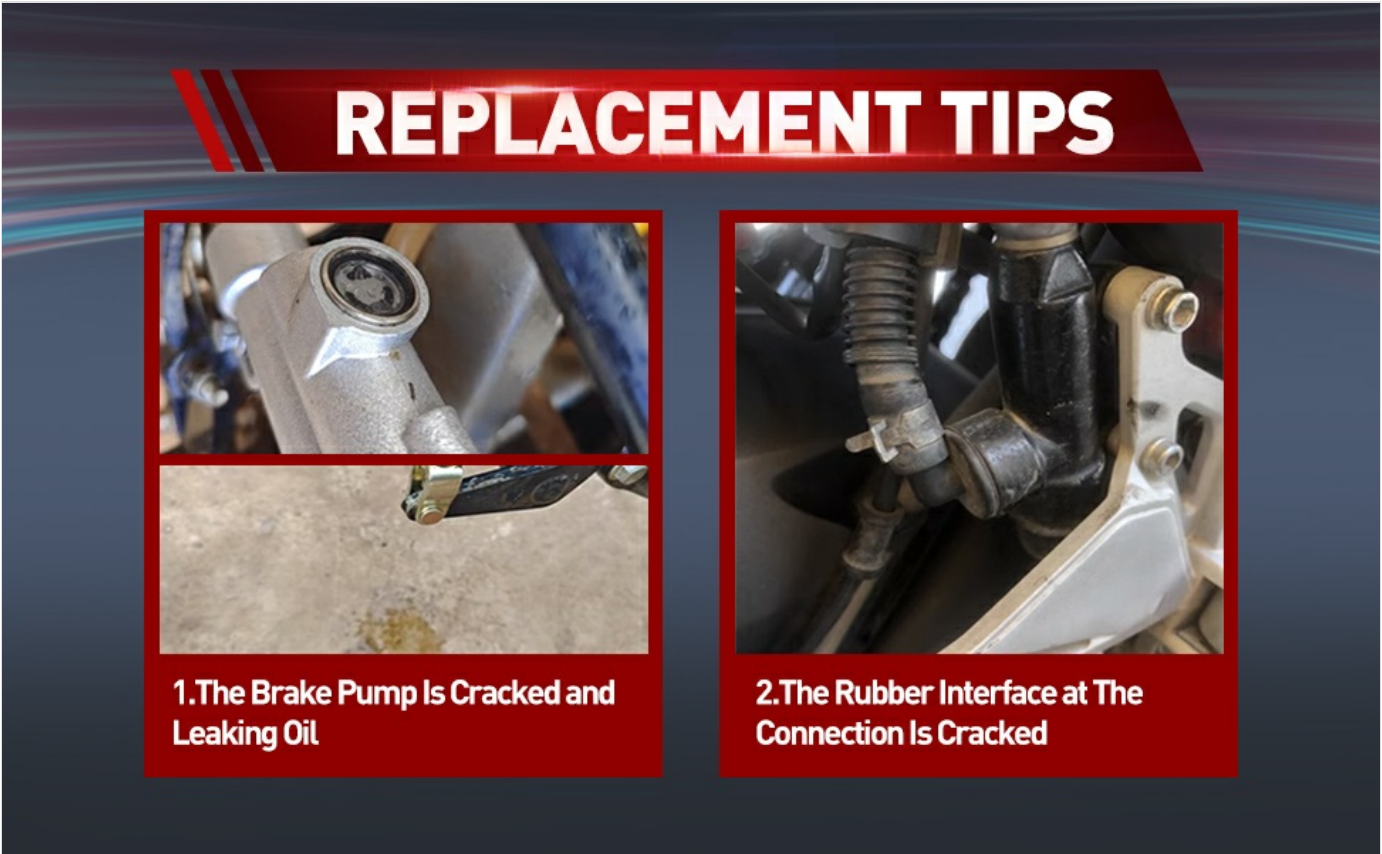


Image 8.1: Visual examples of common issues requiring attention: a cracked brake pump and a cracked rubber interface at the connection.

| Problem                  | Possible Cause                                                                                               | Solution                                                                                                                                                                                                       |
|--------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Spongy Brake Pedal       | Air in the brake lines, low brake fluid, worn brake pads, or a faulty master cylinder.                       | Bleed the brake system to remove air. Check and top up brake fluid. Inspect and replace worn brake pads. If issues persist, inspect master cylinder for internal failure.                                      |
| Brake Fluid Leaks        | Loose connections, cracked brake lines/hoses, damaged seals in the master cylinder, or a cracked brake pump. | Tighten all brake line connections. Inspect lines and hoses for damage and replace as needed. If the master cylinder itself is leaking (e.g., a cracked pump or rubber interface), it may require replacement. |
| Poor Braking Performance | Contaminated brake fluid, worn brake pads/rotors, air in the system, or a failing master cylinder.           | Replace brake fluid. Inspect and replace worn brake components. Bleed the brake system. If other components are in good condition, consider inspecting or replacing the master cylinder.                       |

## 9. WARRANTY AND SUPPORT

WOOSTAR is committed to customer satisfaction. If you encounter any issues or are not satisfied with your order, please contact our customer service team.

- **Customer Service:** WOOSTAR customer service is always available to help. Please message us for replacement or refund if you are not satisfied with the order.
- **Contact Information:** For support, please refer to the contact details provided with your purchase or visit the official WOOSTAR store on Amazon.

## 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.

### Name

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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