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› [M MATI](#) /

› M MATI Front Left Right Brake Calipers with Pads for Arctic Cat ATV & Side by Side (Models 1436-423, 1436-422) - Instruction Manual

M MATI 1436-423 1436-422

M MATI Front Left Right Brake Calipers with Pads

FOR ARCTIC CAT ATV & SIDE BY SIDE (MODELS 1436-423, 1436-422)

Introduction

This manual provides essential information for the installation, operation, and maintenance of your M MATI Front Left and Right Brake Calipers with Pads. These calipers are designed as direct replacement parts for specific Arctic Cat ATV and Side by Side models. Please read this manual thoroughly before proceeding with installation or use to ensure proper function and safety.

Product Compatibility

The M MATI Front Left and Right Brake Calipers (Part # 1436-423, 1436-422) are compatible with the following Arctic Cat ATV and Side by Side models. Please verify your vehicle's make, model, and year against this list for accurate fitment.

Precise alloy piston and **anti-ageing seal kit**

*Make the caliper have more
braking force and longer operation life*

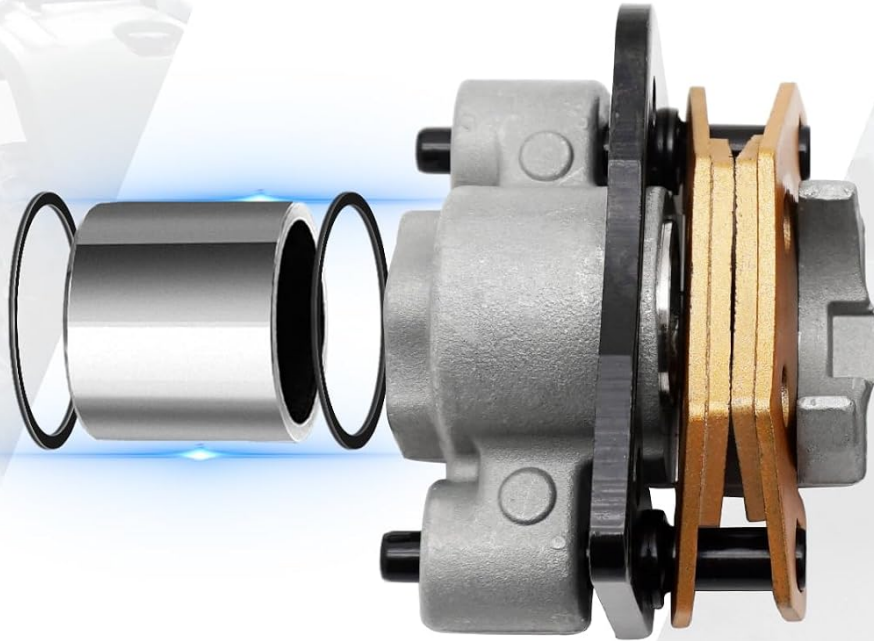


Figure 1: Compatibility list for Arctic Cat ATV and Side by Side models.

- **ATV Models:**

- 250 (2003-2005)
- 300 (2003-2005)
- 350 (2011-2012)
- 366 (2008-2011)
- 400 FIS (2002 - FIS Edition only)
- 400 (2003-2017 - Excludes DVX Edition)
- 425 (2011-2012)
- 450 (2010-2017)
- 500 FIS (2002 - FIS Edition only)
- 500 (2003-2017 - Excludes Prowler/HDX/Prowler HDX Edition)
- 550 (2009-2017 - Excludes Prowler/Prowler XT Edition)
- 650 (2004-2011 - Excludes Prowler/Prowler XT/MudPro Edition)
- 700 (2006-2017 - Excludes Prowler/MudPro/HDX Edition)

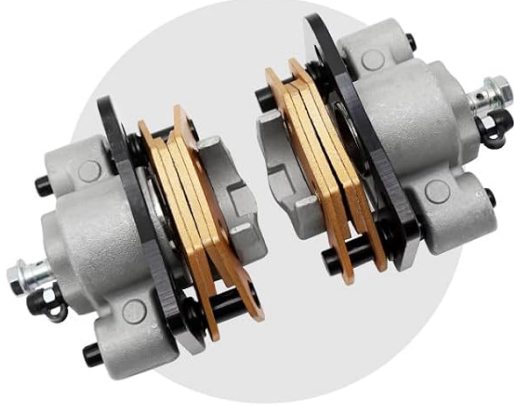
- 1000 (2009-2017 - Excludes MudPro Edition)
- Thunder Cat (2008-2010)

- **Side by Side Models:**

- Wildcat Trail 700 (2014-2017 - Excludes Wildcat Sport Edition)
- Wildcat 1000 (2012-2015 - Excludes X/4X Edition)
- Wildcat X 1000 (2013 - Excludes 4/4X Edition)

Manufacturer Part Numbers: 1436-423, 1436-422

Replacement Part Numbers: 3323-231, 3323-230, 3323-157, 3323-156, 2502-551, 2502-550



Please verify your vehicle with the "[amazon](#) confirmed [fit](#)" option to identify if it is compatible with your vehicle.



Figure 2: M MATI Brake Calipers with associated part numbers.

Product Features

These M MATI brake calipers are engineered to meet OEM specifications, ensuring reliable performance and a direct fit. Key features include:

- **OEM Specifications:** Designed for direct installation without requiring adjustments.
- **Durable Construction:** Features an alloy piston and an anti-aging seal kit for enhanced braking force and extended operational life.
- **Complete Assembly:** Each caliper comes pre-assembled with brake pads, banjo bolts, and exact mounting brackets.
- **High-Strength Mounting:** Exact thread mounting brackets are made from high-strength steel for secure attachment.
- **Optimized Braking:** Includes optimum friction formulation brake pads for effective stopping power.

Brake Caliper *Features*

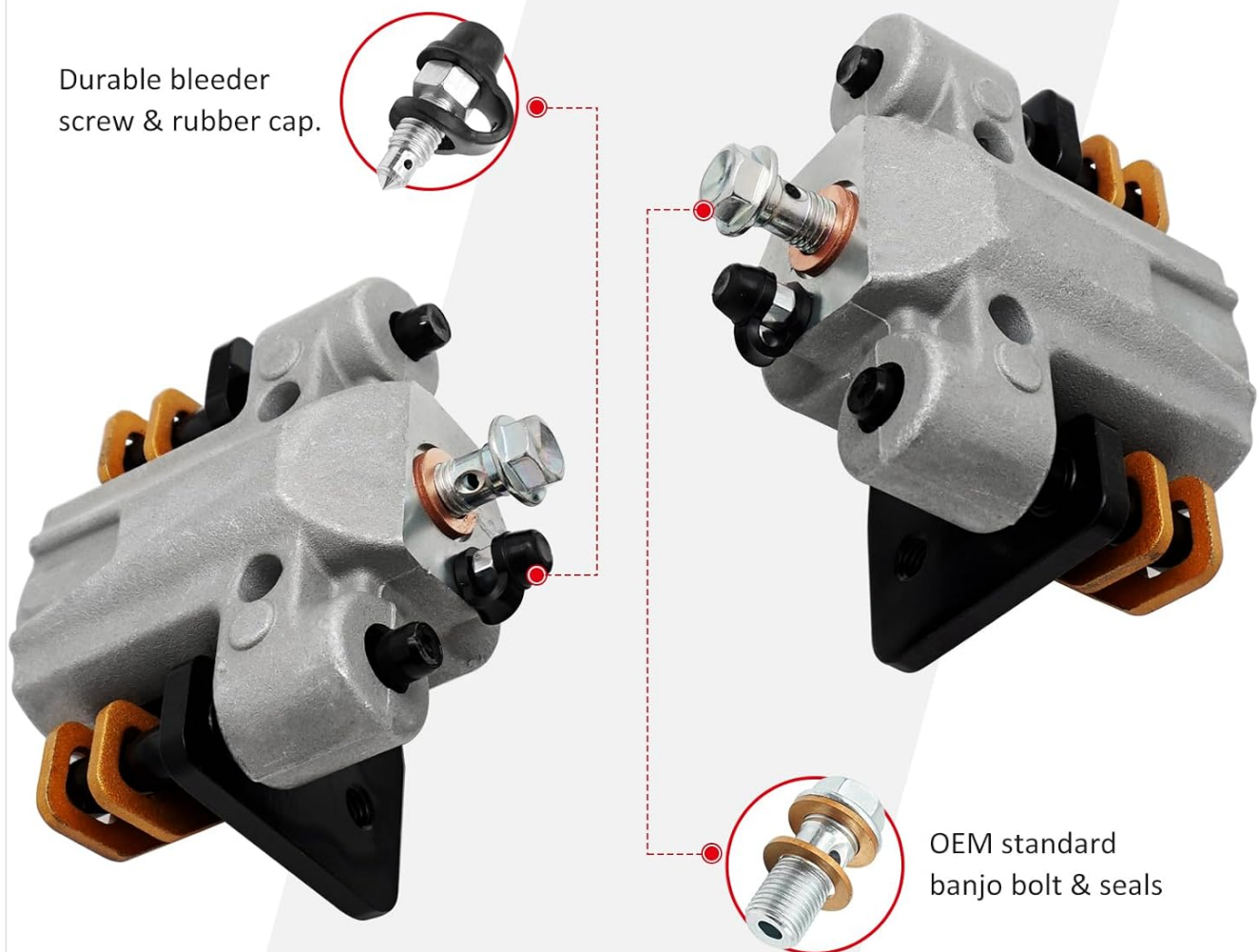


Figure 3: Internal components: Alloy piston and anti-aging seal kit.

BRAKE CALIPER FEATURES



Figure 4: Caliper features: Bleeder screw, rubber cap, and banjo bolt.



MANUFACTURER PART

1436-423 1436-422

REPLACEMENT PART#

3323-231 3323-156

3323-230 2502-551

3323-157 2502-550

Figure 5: Caliper features: Mounting bracket and brake pads.

Setup and Installation

WARNING: Brake system components are critical for vehicle safety. Improper installation can lead to serious injury or death. If you are not experienced with brake system maintenance, it is highly recommended to seek professional assistance for installation.

1. **Safety First:** Ensure the vehicle is on a stable, level surface and properly supported with jack stands. Disconnect the battery if necessary.
2. **Remove Old Caliper:** Carefully disconnect the brake line from the old caliper. Be prepared for brake fluid leakage. Remove the mounting bolts and the old caliper.
3. **Install New Caliper:** Position the new M MATI caliper onto the mounting bracket. Ensure the brake pads are correctly seated. Secure the caliper with the mounting bolts, tightening to the manufacturer's specified torque.
4. **Connect Brake Line:** Attach the brake line to the new caliper using the provided banjo bolt and new crush washers. Tighten securely, but do not overtighten.
5. **Bleed the Brake System:** This is a critical step. Air in the brake lines will result in a spongy pedal and reduced braking performance. Follow your vehicle's service manual for the correct brake bleeding procedure. Ensure all air is removed from the system.

6. **Check for Leaks:** After bleeding, visually inspect all connections for any signs of brake fluid leaks.
7. **Test Brakes:** Before operating the vehicle, pump the brake pedal several times to build pressure. Test the brakes at low speed in a safe area to confirm proper function.

Refer to your Arctic Cat vehicle's specific service manual for detailed torque specifications and bleeding procedures.

Operating

Once the M MATI brake calipers are correctly installed and the brake system is bled, the vehicle's braking performance should be restored to optimal levels. Always operate your ATV or Side by Side responsibly and be aware of your surroundings.

- **Initial Brake-In:** New brake pads require a break-in period. Avoid hard braking for the first 100-200 miles to allow the pads to properly seat with the rotor.
- **Brake Feel:** The brake pedal should feel firm and consistent. A spongy or soft pedal indicates air in the system or another issue that requires immediate attention.
- **Noise:** Minor squealing or grinding during the break-in period is normal. Persistent or loud noises may indicate an issue with installation or component wear.

Maintenance

Regular maintenance of your brake system is crucial for safety and longevity. Perform the following checks periodically:

- **Brake Fluid Level:** Check the brake fluid reservoir regularly and top up with the recommended fluid type if necessary.
- **Brake Pad Wear:** Inspect brake pads for wear. Replace them when they reach their minimum thickness.
- **Caliper Inspection:** Check calipers for leaks, corrosion, or damage. Ensure mounting bolts are secure.
- **Brake Line Integrity:** Inspect brake lines for cracks, chafing, or leaks.
- **Brake Fluid Flush:** Brake fluid absorbs moisture over time, which can reduce braking performance. Consult your vehicle's manual for recommended brake fluid flush intervals.

Troubleshooting

If you experience issues with your brake system after installing the M MATI calipers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Spongy Brake Pedal	Air in the brake lines	Re-bleed the brake system thoroughly.
Reduced Braking Power	Air in lines, worn pads, contaminated pads/rotors, brake fluid leak.	Bleed brakes, inspect pads/rotors, check for leaks.
Brakes Squeal/Grind	New pad break-in, worn pads, foreign object, improper installation.	Allow break-in, inspect pads, check for debris, re-check installation.

Problem	Possible Cause	Solution
Brake Fluid Leak	Loose banjo bolt, damaged brake line, faulty caliper seal.	Tighten connections, inspect/replace brake line, contact support if caliper is faulty.

If troubleshooting steps do not resolve the issue, consult a qualified mechanic or contact M MATI customer support.

Specifications

- **Manufacturer:** M MATI
- **Brand:** M MATI
- **Item Model Number:** 1436-423, 1436-422
- **Manufacturer Part Number:** 1436-423, 1436-422
- **Item Weight:** Approximately 3.59 pounds (per pair)
- **Package Dimensions:** Approximately 7.32 x 6.1 x 4.06 inches
- **Material:** Alloy piston, high-strength steel mounting bracket
- **Included:** Front Left Brake Caliper with Pads, Front Right Brake Caliper with Pads

Warranty and Support

M MATI provides product service for its brake calipers. If you encounter any product problems within 1 year of purchase, please contact M MATI customer support for assistance. Please retain your proof of purchase for warranty claims.

For further inquiries or technical support, please refer to the contact information provided with your purchase or visit the official M MATI store page.

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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

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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