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MotoMaster 153-139

MOTOMASTER Motorcycle Throttle Cable B (Close) Instruction Manual

Model: 153-139 | Compatible with Honda CBR 1000 RR Fireblade (2004-2007)

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your MOTOMASTER Motorcycle Throttle Cable B (Close). This cable is designed as a direct replacement for the original equipment, ensuring optimal fit and performance for compatible Honda CBR 1000 RR Fireblade models.

MOTOMASTER control cables are engineered to meet original equipment specifications, providing a precise fit and reliable operation. Our manufacturing processes focus on durability, reducing friction from daily use, and increasing resistance to premature breakage. Cables are treated with a special compound to prevent freezing in low temperatures and minimize dust attraction, ensuring consistent performance in various conditions. The inner cable and all metal components are coated with a high-quality polyimide lining, which protects against friction, a primary cause of wear in motorcycle cables. This design enhances the cable's resistance to stretching, seizing, and environmental elements.



Image 1.1: Overview of the MOTOMASTER Motorcycle Throttle Cable B (Close).

2. SAFETY INFORMATION

- Always wear appropriate safety gear, including gloves and eye protection, when working on your motorcycle.
- Ensure the motorcycle is stable and securely supported on a stand before beginning any work.
- Disconnect the battery's negative terminal before performing any electrical work.
- Refer to your motorcycle's official service manual for specific torque specifications and detailed procedures.
- If you are unsure about any step, consult a qualified motorcycle mechanic.

3. PACKAGE CONTENTS

The package contains the following items:

- 1 x MOTOMASTER Throttle Cable B (Close) - Black



Image 3.1: The MOTOMASTER Throttle Cable B (Close) showing both connection ends.

4. SETUP AND INSTALLATION

This throttle cable is manufactured to OEM standards for a perfect fit. Installation typically involves replacing the existing throttle cable. Always ensure the motorcycle is off and cooled down before starting.

4.1. Pre-Installation Check

1. Verify that the new cable matches the length and end fittings of the original cable.
2. Confirm compatibility with your motorcycle model using the fitment table in Section 7.

#	Brand	Fitment	Start Year	End Year
1	Honda	CBR 1000 RR Fireblade	2004	2007

Image 4.1: Close-up of the threaded adjuster and cable end.

4.2. Removal of Old Cable

1. Locate the throttle cable connections at the throttle grip assembly and the carburetor/throttle body.
2. Loosen any adjusters to create slack in the cable.
3. Carefully detach the cable ends from the throttle grip and the carburetor/throttle body.
4. Remove the old cable from its routing path, noting its original path for correct installation of the new cable.

4.3. Installation of New Cable

1. Route the new MOTOMASTER throttle cable along the exact path of the old cable to prevent binding or interference with other components.
2. Connect one end of the cable to the carburetor/throttle body.
3. Connect the other end to the throttle grip assembly.
4. Adjust the cable tension using the inline adjusters until there is a small amount of free play (typically 2-3mm) at the throttle grip. Refer to your motorcycle's service manual for precise specifications.
5. Ensure the throttle operates smoothly from fully closed to fully open without sticking or binding.
6. Turn the handlebars from lock to lock to ensure the cable does not bind or cause the engine RPM to change.





Image 4.2: Throttle cable showing the bent housing for proper routing.

5. OPERATING THE THROTTLE CABLE

The throttle cable transmits the rider's input from the throttle grip to the engine's throttle mechanism. Proper installation and maintenance ensure smooth and responsive throttle control.

- After installation, always test the throttle for full range of motion and smooth return to the idle position.
- Ensure there is no excessive slack or tightness in the cable, which can lead to delayed response or a stuck throttle.
- The cable's polyimide lining and special oil compound contribute to its smooth operation and resistance to environmental factors.



Image 5.1: A rider's view of a motorcycle handlebar, illustrating the throttle grip location.

6. MAINTENANCE

Regular maintenance of your throttle cable is crucial for safety and longevity. The MOTOMASTER cable is designed for durability, but periodic inspection and lubrication are recommended.

6.1. Inspection

1. Periodically inspect the entire length of the cable for signs of fraying, kinking, or damage to the outer casing.
2. Check the cable ends and adjusters for corrosion or wear.
3. Ensure the cable moves freely within its housing and returns smoothly.

6.2. Lubrication

1. While MOTOMASTER cables are pre-oiled with a special compound, occasional lubrication with a dedicated cable lubricant can extend their lifespan, especially in harsh environments.
2. Use a cable luber tool to inject lubricant into the cable housing.

6.3. Cleaning

1. Keep the visible parts of the cable and its routing path clean from dirt and debris.
2. The cable's design resists dust attraction, but extreme conditions may require more frequent cleaning.



Image 6.1: An assortment of various MOTOMASTER control cables, highlighting product diversity and quality.

7. TROUBLESHOOTING

If you experience issues with your throttle cable, consider the following common problems and solutions:

- **Stiff or Sticky Throttle:**

- Check for proper cable routing; ensure it's not pinched or kinked.
 - Inspect for dirt or corrosion at the cable ends or within the housing. Clean and lubricate if necessary.
 - Verify that the throttle grip assembly is clean and moves freely.
- **Excessive Throttle Play:**
 - Adjust the cable tension using the inline adjusters. Ensure the lock nuts are tightened after adjustment.
 - If adjustment does not resolve the issue, the cable may be stretching or worn and require replacement.
- **Throttle Not Returning to Idle:**
 - This is a critical safety issue. Immediately stop riding and diagnose the problem.
 - Check for binding in the cable routing or at the throttle body/carburetor.
 - Ensure the throttle return spring is functioning correctly.
 - If the cable is damaged or frayed, replace it immediately.

8. SPECIFICATIONS

Specification	Detail
Brand	MotoMaster
Model Number	153-139
OEM Part Number	17920-MEL-000
Item Weight	3.7 ounces
Package Dimensions	12.99 x 7.09 x 0.79 inches
Color	Black

8.1. Fitment Table

This throttle cable is compatible with the following motorcycle models:



Image 8.1: Fitment table for MOTOMASTER Throttle Cable B (Close).

9. SUPPORT

For any questions regarding this product, its installation, or compatibility, please contact MotoMaster customer support. Always refer to your motorcycle's official service manual for detailed repair and maintenance procedures.