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Race-Driven L-12528

Race-Driven Throttle Cable Instruction Manual

For Yamaha Kodiak YFM400A 4x4 (2000-2004)

Introduction

This manual provides instructions for the proper installation, operation, and maintenance of your Race-Driven Throttle Cable. This cable is designed to meet or exceed OEM specifications for the specified Yamaha Kodiak models. Please read this manual thoroughly before beginning any work.

Safety Information

- Always wear appropriate safety gear, including eye protection and gloves, when working on your ATV.
- Ensure the ATV is turned off, the engine is cool, and the parking brake is engaged before starting any installation or maintenance.
- Disconnect the battery's negative terminal to prevent accidental starting or electrical shorts.
- If you are unsure about any step, consult a qualified mechanic.
- Keep children and pets away from the work area.

Compatibility

This Race-Driven Throttle Cable (Model L-12528) is compatible with the following ATV models:

- Yamaha Kodiak YFM400A 4x4 (2000-2004)

What's in the Box

Your package should contain the following item:

- One (1) Race-Driven Throttle Cable

Setup and Installation

Tools Required:

- Basic hand tools (wrenches, screwdrivers)

- Pliers
- Cable lubricant (optional)

Pre-Installation Checks:

- Compare the new throttle cable with the old one to ensure they are identical in length and fitting type.
- Inspect the new cable for any signs of damage or kinks.

Installation Steps:

1. **Remove Old Cable:**
    - Locate the throttle housing on the handlebars. Loosen any screws or clamps securing it and carefully detach the old throttle cable from the throttle lever.
    - Follow the cable's path down to the carburetor or throttle body. Disconnect the cable from the carburetor/throttle body linkage. Note how the cable is routed to ensure the new cable is installed correctly.
    - Carefully pull the old cable out from its routing guides.
2. **Install New Cable:**
    - Route the new Race-Driven throttle cable along the same path as the old cable, ensuring it is not kinked or pinched by any moving parts.
    - Connect the carburetor/throttle body end of the new cable to the linkage. Ensure it is securely seated.
    - Connect the handlebar end of the new cable to the throttle lever inside the throttle housing.
    - Reassemble the throttle housing on the handlebars.
3. **Adjust Cable Tension:**
    - Most throttle cables have an inline adjuster near the handlebar or at the carburetor. Turn the adjuster to remove excessive slack from the cable.
    - Ensure there is a small amount of free play (typically 2-3mm) at the throttle lever before the cable begins to pull. This prevents the throttle from sticking open.
    - Turn the handlebars from lock to lock to ensure the cable does not bind or pull the throttle open. Adjust if necessary.
4. **Final Checks:**
    - Reconnect the battery's negative terminal.
    - Start the ATV and check for proper throttle response and return. The throttle should snap back to the idle position immediately when released.
    - If the throttle sticks or does not return properly, re-check the cable routing and adjustment.



Image 1: The Race-Driven Throttle Cable. This image displays the full length of the black outer casing and the inner metal cable, with the threaded adjuster and end fitting visible on the right, and the other end fitting on the left.

Operating

After installation, ensure the throttle operates smoothly and returns to the idle position without sticking. The throttle cable transmits your input from the handlebar throttle to the carburetor or throttle body, controlling engine speed. Always test the throttle response in a safe, open area before riding.

Maintenance

- **Regular Inspection:** Periodically inspect the throttle cable for fraying, kinks, or damage to the outer casing.

Replace the cable if any damage is observed.

- **Lubrication:** Lubricate the inner cable with a suitable cable lubricant at regular intervals (e.g., every 6 months or annually, depending on usage and environmental conditions). This helps maintain smooth operation and prevents corrosion.
- **Adjustment:** Check the throttle cable free play regularly. Adjust as needed to maintain the recommended 2-3mm of free play at the throttle lever.
- **Cleanliness:** Keep the throttle housing and cable ends clean from dirt and debris.

Troubleshooting

Problem	Possible Cause	Solution
Throttle sticks or does not return smoothly	Kinked cable, lack of lubrication, improper routing, damaged inner wire, throttle housing issues	Check cable routing for kinks. Lubricate the cable. Inspect throttle housing for debris or damage. Replace cable if damaged.
Excessive throttle free play	Cable stretched, improper adjustment	Adjust cable tension using the inline adjuster. If adjustment is maxed out and free play persists, consider cable replacement.
Insufficient throttle free play (throttle pulls open slightly at rest)	Cable too tight, improper adjustment	Loosen cable tension using the inline adjuster until proper free play is achieved.
No throttle response	Cable disconnected, broken cable	Inspect both ends of the cable for proper connection. Replace cable if broken.

Specifications

- **Brand:** Race-Driven
- **Model Number:** L-12528
- **Item Weight:** Approximately 5 ounces
- **Product Dimensions:** Approximately 15 x 11 x 1 inches (packaging)
- **Compatibility:** Yamaha Kodiak YFM400A 4x4 (2000-2004)
- **Material:** Designed to meet or exceed OEM specifications

Warranty and Support

Race-Driven products are manufactured to high standards. For specific warranty information or technical support, please refer to the official Race-Driven website or contact their customer service directly. Keep your purchase receipt for warranty claims.
For further assistance, please visit the Race-Driven Store on Amazon.

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