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Race-Driven L-14833

Race-Driven Rear Hand Brake Cable Installation and Maintenance Guide

For Honda Foreman Rubicon 500 TRX500 (2001-2004)

1. Introduction

This manual provides essential information for the proper installation, function, and maintenance of your Race-Driven Rear Hand Brake Cable. This cable is designed to meet or exceed OEM specifications for the specified Honda ATV models. Adhering to these instructions will help ensure safe and reliable operation of your vehicle's hand brake system.

2. Safety Information

Always prioritize safety when working on your vehicle. Improper installation or maintenance of brake components can lead to serious injury or death. If you are not confident in your mechanical abilities, seek assistance from a qualified technician.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is stable and supported on a level surface before beginning any work.
- Disconnect the battery if working near electrical components.
- Refer to your vehicle's official service manual for specific torque specifications and detailed procedures.
- Keep children and pets away from the work area.

3. Package Contents

Verify that all components are present and undamaged upon opening the package.

- 1 x Race-Driven Rear Hand Brake Cable



Image 1: The Race-Driven Rear Hand Brake Cable. This image displays the full length of the black cable with its metal end fittings, coiled for packaging. One end shows a small barrel-shaped fitting, and the other end has a threaded section with a spring and nut for adjustment.

4. Compatibility

This Race-Driven Rear Hand Brake Cable is specifically designed for the following ATV models:

- **Honda TRX500FA 500 Foreman Rubicon:** 2001, 2002, 2003, 2004

Ensure your vehicle's make, model, and year match the compatibility list before proceeding with installation.

5. Installation

The following steps provide a general overview for replacing the rear hand brake cable. Always consult your Honda Foreman Rubicon's official service manual for detailed, model-specific instructions and diagrams.

Required Tools (Typical):

- Wrenches (various sizes)
- Pliers
- Cable lubricant (optional, for new cable)
- Shop rags

Installation Steps:

1. **Prepare the Vehicle:** Park the ATV on a flat, stable surface. Engage the parking brake (if functional) and block the

wheels to prevent movement.

2. **Locate the Existing Cable:** Identify the routing of the old rear hand brake cable from the hand brake lever to the rear brake mechanism.
3. **Disconnect the Old Cable:**
    - At the hand brake lever, loosen any adjustment nuts and detach the cable end.
    - At the rear brake mechanism (typically near the rear wheel or differential), loosen the adjustment nuts and detach the cable end from the brake arm.
    - Carefully unclip or remove any cable guides or clamps along the frame.
4. **Remove the Old Cable:** Gently pull the old cable out from its routing path. Note the exact path to ensure the new cable is routed correctly.
5. **Install the New Cable:**
    - Route the new Race-Driven cable along the identical path of the old cable, ensuring it does not interfere with moving parts, exhaust, or sharp edges.
    - Secure the cable with all original clips and clamps.
    - Attach the cable end to the rear brake mechanism arm.
    - Attach the other end of the cable to the hand brake lever.
6. **Adjust the Cable:**
    - Adjust the cable tension using the adjustment nuts at the hand brake lever and/or the rear brake mechanism.
    - Ensure there is a small amount of free play at the hand brake lever before the brake begins to engage.
    - The rear brake should engage firmly and fully disengage when the lever is released.
7. **Test the Brake:** With the engine off, test the hand brake function. Ensure it holds the ATV securely. Perform a low-speed test in a safe, open area to confirm proper operation before regular use.

6. Operating the Hand Brake

The hand brake is designed to provide a secondary braking mechanism and to hold the vehicle stationary when parked. To engage the hand brake, firmly squeeze the hand brake lever on the handlebars. To release, typically a small button or lever on the hand brake assembly must be pressed while squeezing the main lever. Always ensure the hand brake is fully disengaged before riding to prevent premature wear and overheating of brake components.

7. Maintenance

Regular inspection and maintenance of your hand brake cable are crucial for safety and longevity.

- **Routine Inspection:** Periodically check the entire length of the cable for signs of fraying, kinks, corrosion, or damage to the outer casing.
- **Lubrication:** If the cable feels stiff or sticky, apply a suitable cable lubricant to the inner wire where it enters the casing, especially at the ends.
- **Adjustment:** Check and adjust cable tension as needed to maintain proper hand brake function and free play.
- **Cleaning:** Keep the cable and its routing path free from dirt, mud, and debris.
- **Replacement:** Replace the cable immediately if any damage is found or if it does not operate smoothly and reliably.

8. Troubleshooting

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

Problem	Possible Cause	Solution
Hand brake feels stiff or sticky	Lack of lubrication, internal corrosion, kinked cable	Lubricate the cable; inspect for kinks; replace if damaged.
Hand brake does not engage fully	Cable too loose, worn brake components, improper installation	Adjust cable tension; inspect brake pads/shoes; re-check installation.
Hand brake does not release fully	Cable too tight, sticky cable, binding brake mechanism	Adjust cable tension; lubricate cable; inspect brake mechanism for free movement.
Cable appears frayed or damaged	Wear and tear, external damage	Replace the cable immediately.

9. Specifications

Key specifications for the Race-Driven Rear Hand Brake Cable (Model L-14833):

- **Manufacturer:** Race-Driven
- **Brand:** Race-Driven
- **Model Number:** L-14833
- **Item Weight:** Approximately 12 ounces (0.34 kg)
- **Product Dimensions:** Approximately 12.5 x 9.5 x 1 inches (31.75 x 24.13 x 2.54 cm) (packaged)
- **ASIN:** B00U7TX7EA

10. Warranty and Support

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

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