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Race-Driven L-27681

Race-Driven Clutch Cable Instruction Manual

Model: L-27681 for Honda TRX400EX (1999-2004)

Introduction Safety Compatibility Contents Installation Adjustment Maintenance Troubleshooting Specifications Warranty Support

1. Introduction

This manual provides detailed instructions for the proper installation, adjustment, maintenance, and troubleshooting of your Race-Driven Clutch Cable. Please read this manual thoroughly before beginning any work to ensure safe and correct operation.

2. Safety Information

- Always wear appropriate safety gear, including eye protection and gloves, when working on your vehicle.
- Ensure the vehicle is stable and secured before beginning any installation or maintenance.
- Disconnect the battery if working near electrical components.
- If you are unsure about any step, consult a qualified mechanic.
- Improper installation or adjustment of the clutch cable can lead to loss of control or injury.

3. Compatibility

This Race-Driven Clutch Cable (Model L-27681) is designed for the following ATV models:

- Honda TRX400EX Sportrax 400EX (1999)
- Honda TRX400EX Sportrax 400EX (2000)
- Honda TRX400EX Sportrax 400EX (2001)
- Honda TRX400EX Sportrax 400EX (2002)
- Honda TRX400EX Sportrax 400EX (2003)
- Honda TRX400EX Sportrax 400EX (2004)

Verify your vehicle's make, model, and year before installation.

4. Package Contents

The package should contain the following item:

- 1x Race-Driven Clutch Cable (Model L-27681)



Image: The Race-Driven Clutch Cable, showing the cable housing, inner wire, and end fittings. A rubber boot is also visible.

5. Installation Instructions

5.1. Tools Required

- Wrenches (appropriate sizes for clutch lever and engine side adjustments)
- Pliers
- Cable lubricant (optional, but recommended)
- Shop rags

5.2. Removal of Old Clutch Cable

1. Locate the clutch lever on the handlebar. Loosen the lock nut and adjuster barrel to provide maximum slack in the cable.
2. Remove the clutch cable end from the clutch lever.
3. Follow the cable down to the engine side. Locate the clutch arm and the cable attachment point. Loosen any retaining nuts or bolts.
4. Carefully detach the cable from the clutch arm.
5. Trace the cable path, noting any clips or guides, and remove the old cable from the vehicle.

5.3. Installation of New Clutch Cable

1. Route the new Race-Driven clutch cable along the same path as the old cable, ensuring it is not kinked or pinched by any moving parts. Secure it with any existing clips or guides.
2. Attach the engine-side end of the new cable to the clutch arm. Ensure it is seated correctly and secure any retaining nuts or bolts.
3. At the handlebar, insert the cable end into the clutch lever.
4. Adjust the cable slack using the adjuster barrel and lock nut at the clutch lever. Refer to Section 6 for proper adjustment.
5. Once adjusted, ensure all nuts and bolts are tightened securely.

6. Clutch Cable Adjustment

Proper clutch cable adjustment is crucial for smooth clutch engagement and disengagement, and to prevent premature wear.

1. **Initial Adjustment:** With the engine off, pull the clutch lever fully. There should be a small amount of free play (typically 10-20mm at the lever end) before the

clutch mechanism begins to engage.

2. **Adjusting Free Play:** Use the adjuster barrel at the clutch lever to increase or decrease cable tension. Turn the barrel out to increase tension (reduce free play) and in to decrease tension (increase free play).
3. **Fine-Tuning:** If the handlebar adjuster does not provide enough adjustment, there may be a secondary adjuster near the engine. Use this for larger adjustments, then fine-tune with the handlebar adjuster.
4. **Test Operation:** Start the engine and test the clutch operation. The clutch should engage smoothly without slipping and disengage fully when the lever is pulled, allowing for easy gear changes.
5. **Secure Adjusters:** Once the desired free play is achieved, tighten the lock nut against the adjuster barrel to prevent it from moving.

Warning: **Too much free play can cause clutch slip and premature wear. Too little free play can cause the clutch to drag, making gear changes difficult and potentially damaging the transmission.**

7. Maintenance

- **Regular Inspection:** Periodically inspect the entire length of the clutch cable for signs of wear, fraying, kinks, or damage to the outer housing. Check the end fittings for security.
- **Lubrication:** It is recommended to lubricate the inner wire of the clutch cable annually or as needed, especially if operation becomes stiff. Use a dedicated cable lubricant and a cable luber tool for best results.
- **Adjustment Check:** Regularly check the clutch lever free play and adjust as necessary to maintain optimal performance.
- **Cleaning:** Keep the cable and its entry points free from dirt and debris.

8. Troubleshooting

Problem	Possible Cause	Solution
Clutch lever feels stiff or sticky.	Lack of lubrication, dirt/debris in cable, kinked cable.	Lubricate cable, clean cable path, inspect for kinks and replace if damaged.
Clutch slips (engine revs but vehicle doesn't accelerate).	Insufficient free play in cable, worn clutch plates.	Increase cable free play. If problem persists, inspect clutch plates.
Difficulty shifting gears or clutch drags.	Excessive free play in cable, cable not fully disengaging clutch.	Decrease cable free play. Ensure cable is routed correctly.
Cable appears too long or too short.	Incorrect cable for model/year, improper routing.	Verify cable compatibility. Re-route cable carefully, avoiding unnecessary slack or tension.

9. Specifications

- **Brand:** Race-Driven
- **Model Number:** L-27681
- **Compatible Models:** Honda TRX400EX Sportrax 400EX (1999-2004)
- **Item Weight:** Approximately 7 ounces
- **Product Dimensions:** Approximately 15 x 11 x 1 inches (packaging)
- **Material:** Designed to meet or exceed OEM specifications.

10. Warranty Information

Race-Driven products are manufactured to high standards. For specific warranty details, please refer to the official Race-Driven website or contact their customer support. Keep your proof of purchase for any warranty claims.

11. Customer Support

If you have any questions regarding the installation, operation, or maintenance of your Race-Driven Clutch Cable, please visit the official Race-Driven store on Amazon or their corporate website for assistance.
Race-Driven Store: Visit Race-Driven Store

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