

Kawasaki 59011-0003

Kawasaki Brute Force 650/750 CVT Drive Belt (Part No. 59011-0003) Instruction Manual

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1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of the Kawasaki Brute Force 650/750 CVT Drive Belt, part number 59011-0003. This genuine Kawasaki OEM part is designed for optimal performance and durability in your ATV's Continuously Variable Transmission (CVT) system. Adhering to these guidelines will help ensure the longevity and efficient operation of your vehicle's drive system.

2. SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Failure to follow safety precautions can result in serious injury or damage to the vehicle.

- Ensure the vehicle is turned off, the engine is cool, and the parking brake is engaged before beginning any work.
- Disconnect the negative battery terminal to prevent accidental starting or electrical shorts.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Work in a well-ventilated area.
- If you are unsure about any step, consult a qualified service technician or your vehicle's official service manual.

3. COMPATIBILITY

This Kawasaki CVT Drive Belt (Part No. 59011-0003) is specifically designed for the following Kawasaki ATV models:

- Kawasaki Brute Force 650
- Kawasaki Brute Force 750

Always verify the part number against your vehicle's specific requirements to ensure correct fitment.

4. INSTALLATION

Replacing the CVT drive belt requires careful attention to detail. Refer to your vehicle's service manual for model-specific torque specifications and detailed disassembly/assembly procedures. The following steps provide a general overview.

4.1. Tools Required

- Socket set and ratchet
- Torque wrench
- Screwdrivers
- CVT cover gasket (if replacing)
- Belt removal/installation tool (if applicable for your model)

4.2. Preparation

1. Park the ATV on a level surface and engage the parking brake.
2. Turn off the engine and allow it to cool completely.
3. Locate the CVT cover, typically on the side of the engine.
4. Remove any obstacles (e.g., footrests, skid plates) that may block access to the CVT cover.

4.3. Removing the Old Belt

1. Carefully remove all bolts securing the CVT cover. Note the location of different length bolts if present.
2. Gently pry off the CVT cover. Be cautious of the gasket.
3. Inspect the primary and secondary clutches for wear or damage. Clean any dust or debris from the clutch sheaves.
4. Compress the secondary clutch (rear clutch) to loosen the belt. This may require a specialized tool or careful manual compression.
5. Once slack, remove the old drive belt from both clutches.



Image 1: Full view of the Kawasaki Brute Force CVT Drive Belt (Part No. 59011-0003). This image shows the complete belt, highlighting its continuous loop design and the distinct teeth on its inner surface.

4.4. Installing the New Belt

1. Ensure the new Kawasaki 59011-0003 drive belt is clean and free of any contaminants.
2. Install the new belt onto the primary (front) clutch first, then compress the secondary clutch to allow the belt to seat properly. Ensure the belt is oriented correctly if it has a directional arrow.
3. Rotate the secondary clutch by hand to ensure the belt is fully seated and runs smoothly within the clutch sheaves.



Image 2: Angled view of the Kawasaki Brute Force CVT Drive Belt. This perspective emphasizes the width and thickness of the belt, crucial for its function in the CVT system.



Image 3: Close-up view of the teeth on the Kawasaki Brute Force CVT Drive Belt. This detail shows the robust construction and specific tooth pattern designed for efficient power transfer and durability.

4.5. Reassembly and Post-Installation

1. Clean the CVT cover and mating surfaces. Install a new gasket if necessary.
2. Reinstall the CVT cover, ensuring all bolts are tightened to the manufacturer's specified torque.
3. Reattach any removed components (e.g., footrests, skid plates).
4. Reconnect the negative battery terminal.
5. Start the engine and allow it to idle for a few minutes. Perform a gentle test ride to ensure proper operation of the CVT system.

5. OPERATION CONSIDERATIONS

After installing a new drive belt, a break-in period is recommended to ensure optimal performance and longevity.

- **Break-in Period:** For the first 30-50 miles (50-80 km), avoid aggressive acceleration, heavy loads, or sustained high speeds. This allows the belt to properly seat into the clutch sheaves.
- **Avoid Contamination:** Keep the CVT area free from oil, grease, or other liquids, as these can cause belt slippage and premature wear.
- **Proper Engagement:** Always allow the engine to warm up before engaging the transmission, especially in cold weather.

6. MAINTENANCE

Regular inspection and maintenance of your CVT drive belt are crucial for reliable performance.

- **Inspection:** Periodically remove the CVT cover and inspect the belt for signs of wear, cracking, fraying, glazing, or missing teeth. Check for any debris inside the CVT housing.
- **Cleaning:** Use compressed air to clean dust and debris from the CVT housing and clutch components. Avoid using solvents

that could damage the belt material.

- **Replacement Interval:** The replacement interval can vary based on riding conditions and usage. Consult your vehicle's service manual for recommended inspection and replacement schedules. Replace the belt immediately if any signs of significant wear or damage are observed.

7. TROUBLESHOOTING COMMON ISSUES

If you experience issues with your CVT system, the drive belt may be a contributing factor.

Symptom	Possible Cause	Action
Loss of power / Poor acceleration	Worn or stretched belt, glazed belt, clutch issues	Inspect belt for wear. Replace if necessary. Check clutches for proper operation.
Squealing or grinding noise from CVT	Belt slippage, debris in CVT, worn clutch components	Inspect belt for glazing or damage. Clean CVT housing. Check clutch bearings.
Belt shredding or breaking prematurely	Overheating, improper installation, clutch misalignment, incorrect belt type	Ensure proper belt installation and break-in. Verify clutch alignment. Confirm correct OEM part number.
Vehicle not moving when throttle applied	Broken belt, severe belt slippage, clutch failure	Inspect belt for breakage. If broken, replace. If not, inspect clutches.

For persistent issues, it is recommended to consult a certified Kawasaki technician.

8. SPECIFICATIONS

- **Part Number:** 59011-0003
- **Brand:** Kawasaki
- **Type:** CVT Drive Belt (Pulley Belt)
- **Compatible Models:** Kawasaki Brute Force 650, Brute Force 750
- **Item Weight:** Approximately 12 ounces (0.34 kg)
- **Manufacturer:** KAWASAKI

9. WARRANTY AND SUPPORT

As a genuine Kawasaki OEM part, this drive belt is manufactured to strict quality standards. For specific warranty information, please refer to the official Kawasaki warranty policy or contact an authorized Kawasaki dealer.

For technical assistance or further inquiries, please contact Kawasaki customer support or visit the official Kawasaki website. Always provide the part number (59011-0003) and your vehicle's model information when seeking support.

Online Resources:

- [Kawasaki Official Website](#)
- [Kawasaki Store on Amazon](#)

