

Black & Decker HTD 231-3M-10

For Models GL701, GL710, GL716, GL720, GL741

This instruction manual provides essential information for the proper installation, maintenance, and care of your replacement drive belt for Black & Decker electric grass trimmers. This belt is compatible with models GL701, GL710, GL716, GL720, and GL741. Adhering to these instructions will help ensure optimal performance and extend the lifespan of your trimmer's drive system.

The drive belt is a critical component responsible for transmitting power from the motor to the cutting mechanism of your electric grass trimmer. This replacement belt is designed to meet the specifications required for the listed Black & Decker models.



Figure 1: Replacement Drive Belt (Model HTD 231-3M-10)

Key Features:

- **Compatibility:** Specifically designed for Black & Decker electric grass trimmer models GL701, GL710, GL716, GL720, GL741.

- **Type:** HTD (High Torque Drive) timing belt.
- **Model Number:** HTD 231-3M-10.
- **Material:** Durable rubber compound for reliable power transmission.

3. SAFETY INFORMATION

WARNING: Always disconnect the grass trimmer from the power supply before performing any maintenance, installation, or inspection procedures. Failure to do so can result in serious injury or electric shock.

- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, when handling tools and components.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away from the work area.
- Refer to your original Black & Decker grass trimmer manual for specific disassembly and assembly instructions, as procedures may vary slightly between models.
- Handle the new belt carefully. **DO NOT CRIMP** or kink the belt, as this can damage its internal structure and lead to premature failure.

4. INSTALLATION (SETUP)

The following steps outline a general procedure for replacing the drive belt. Always consult your specific Black & Decker trimmer's instruction manual for detailed, model-specific guidance.

1. **Disconnect Power:** Unplug the grass trimmer from the electrical outlet.
2. **Access the Drive Mechanism:** Depending on your trimmer model, you may need to remove covers or housing components to access the motor and cutting head drive system. This typically involves unscrewing fasteners.
3. **Remove Old Belt:** Carefully remove the old, damaged, or worn drive belt from the motor pulley and the cutting head pulley. Note its orientation for reference.
4. **Inspect Pulleys:** Check both pulleys for any damage, wear, or debris. Clean them thoroughly if necessary.
5. **Install New Belt:**
 - Place the new HTD 231-3M-10 drive belt onto one of the pulleys (e.g., the smaller motor pulley).
 - Carefully stretch and guide the belt onto the second pulley. Ensure the teeth of the belt align correctly with the grooves of both pulleys.
 - Avoid forcing or crimping the belt during installation. It should fit snugly but without excessive tension that could damage the motor or bearings.
6. **Verify Alignment and Tension:** Once installed, manually rotate the cutting head to ensure the belt moves smoothly and is properly seated on both pulleys. The belt should have a slight amount of play but not be loose enough to slip.
7. **Reassemble Trimmer:** Reattach any covers or housing components that were removed. Ensure all fasteners are securely tightened.
8. **Test Functionality:** Plug the trimmer back into the power supply and perform a brief test run in a safe area to confirm proper operation. Listen for unusual noises or vibrations.

5. OPERATING CONSIDERATIONS

While the drive belt itself does not have "operating" instructions in the traditional sense, its proper function is crucial for the trimmer's operation. Ensure the belt is correctly installed and tensioned before each use. If you notice any slipping, unusual noises, or a decrease in cutting performance, inspect the belt immediately.

6. MAINTENANCE

Regular inspection and proper care will extend the life of your drive belt and ensure consistent trimmer performance.

- **Visual Inspection:** Periodically inspect the belt for signs of wear, cracking, fraying, or missing teeth. Replace the belt if any damage is observed.
- **Cleanliness:** Keep the belt and pulleys free from grass clippings, dirt, and other debris. Accumulation can cause premature wear and slippage.
- **Storage:** When not in use, store the trimmer in a clean, dry place away from direct sunlight and extreme temperatures. Avoid storing the trimmer in a way that puts undue stress or crimping on the belt.
- **Avoid Overloading:** Do not attempt to cut excessively thick or wet grass, as this can put undue strain on the drive belt and motor, leading to premature failure.

7. TROUBLESHOOTING

If you experience issues with your grass trimmer after belt replacement, consider the following:

Symptom	Possible Cause	Solution
Trimmer motor runs, but cutting head does not spin or spins slowly.	Belt is loose, broken, or slipping.	Inspect belt for damage. Ensure proper tension and alignment. Replace if broken.
Unusual noise (squealing, grinding) from drive area.	Belt misalignment, debris in pulleys, worn belt, or worn bearings.	Check belt alignment. Clean pulleys. Inspect belt for wear. If noise persists, consult a service technician.
Belt breaks shortly after replacement.	Incorrect installation (crimped/kinked), improper tension, damaged pulleys, or incorrect belt type.	Review installation steps. Ensure belt is not crimped. Verify belt model number. Inspect pulleys for sharp edges or damage.

8. SPECIFICATIONS

- **Product Type:** Replacement Drive Belt
- **Compatible Trimmer Models:** Black & Decker GL701, GL710, GL716, GL720, GL741
- **Belt Model Number:** HTD 231-3M-10
- **Belt Style:** Flat belt (Timing belt with teeth)
- **Color:** Black
- **Manufacturer:** Spare parts Black & Decker (as listed by seller)

9. WARRANTY AND SUPPORT

As this product is a replacement part, its warranty coverage may be provided by the seller or the original

manufacturer of the spare part. Please refer to your purchase documentation or contact the seller directly for specific warranty terms and support inquiries.

For technical assistance regarding your Black & Decker grass trimmer, please consult the original trimmer's user manual or contact Black & Decker customer service.

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This manual is for informational purposes only. Always prioritize safety and follow all warnings and instructions provided with your original equipment.

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