

HERO RSU1171018

HERO OEM Aramid Kevlar Replacement Belt

Instruction Manual for Toro Mowers

1. INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and troubleshooting of your HERO OEM Aramid Kevlar Replacement Belt. This belt is designed as a direct replacement for Toro OEM part 117-1018, ensuring compatibility and reliable performance for specified Toro lawn mower models.

The HERO Aramid Kevlar belt is engineered with Aramid cord for enhanced strength and durability, offering resistance to heat and moisture, which contributes to a longer service life under demanding conditions.

2. SAFETY INFORMATION

Always prioritize safety when working with power tools and replacement parts. Failure to follow safety instructions can result in serious injury or damage to equipment.

- **Disconnect Power:** Before attempting any installation or maintenance, ensure the lawn mower's engine is off and the spark plug wire is disconnected to prevent accidental starting.
- **Wear Protective Gear:** Use appropriate personal protective equipment (PPE), including gloves and eye protection, to guard against sharp edges, pinch points, and debris.
- **Allow Cooling:** If the mower has been recently operated, allow sufficient time for hot components, such as the engine and exhaust, to cool down before handling.
- **Secure Equipment:** Ensure the lawn mower is stable and cannot tip over during the belt replacement process.
- **Read Mower Manual:** Refer to your specific Toro lawn mower's owner's manual for detailed instructions on accessing and replacing the drive belt, as procedures may vary slightly by model.

3. PRODUCT OVERVIEW

The HERO OEM Aramid Kevlar Replacement Belt is a high-quality V-belt designed for demanding lawn mower applications. Its construction features Aramid cord, known for its high tensile strength and resistance to stretching, heat, and moisture.





OEM Replacement V-Belt
Courroie en V de
Remplacement OEM



3/8" x 32.25"
RSU1171018

Deck Size:
Tailles du plateau de coupe:
22"

Replaces OEM:
Remplace l'OEM:
Toro®

Made with Aramid Cord for
extra strength and power

Fabriqué avec un cordon d'aramide pour
une résistance et des performances accrues



Image 3.1: HERO OEM Aramid Kevlar Replacement Belt, showing the product in its packaging with specifications.

Key Features:

- **OEM Equivalent:** Directly replaces Toro OEM part number 117-1018.
- **Aramid Cord Construction:** Provides superior strength, durability, and resistance to stretching compared to standard belts.
- **Heat and Moisture Resistance:** Engineered to perform reliably in harsh outdoor conditions.
- **Precise Fit:** Manufactured to exact measurements (3/8" x 32-3/8") for optimal performance and longevity.

ARAMID CORD MOWER BELTS







Belts made with Aramid Cord last longer allowing for cost savings

Resistant to heat and moisture for working in harsh conditions without losing strength or flexibility.

10 Aramid Tensile Cords for extra strength and durability



**MAINTENANCE
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Image 3.2: Visual representation of Aramid cord mower belt features, highlighting durability, heat/moisture resistance, and tensile cords.

4. COMPATIBILITY

This HERO replacement belt (Model RSU1171018) is compatible with various Toro 22-inch Recycler Lawn Mower models that use OEM part 117-1018. Please verify your mower's model number before purchasing and installing.

Known Compatible Toro Models:

- 20330
- 20330C
- 20331
- 20331C

- 20350
- 20351
- 20370
- 20371
- 20377
- 20339
- 20339C
- 20378
- 20954
- 20959

This belt is specifically designed for Toro walk-behind mowers that require the 117-1018 OEM belt.

5. INSTALLATION GUIDELINES

The following are general guidelines for replacing a lawn mower drive belt. Always consult your specific Toro lawn mower's owner's manual for detailed, model-specific instructions and diagrams.

1. **Prepare the Mower:** Ensure the mower is on a flat, stable surface. Disconnect the spark plug wire and remove the ignition key (if applicable) to prevent accidental starting.
2. **Access the Belt:** Depending on your mower model, you may need to remove the blade, deck cover, or other components to gain access to the drive belt and pulleys. Refer to your mower's manual for exact steps.
3. **Note Belt Routing:** Before removing the old belt, carefully observe or draw a diagram of how the belt is routed around all pulleys and tensioners. This is crucial for correct installation of the new belt.
4. **Remove Old Belt:** Release any tensioners or idler pulleys as necessary to remove the worn or broken belt.
5. **Install New Belt:** Route the new HERO Aramid Kevlar belt exactly as the old one was routed. Ensure it sits correctly in all pulley grooves.
6. **Tension and Reassemble:** Re-engage any tensioners or idler pulleys. Double-check that the belt is properly seated on all pulleys and has appropriate tension. Reattach any covers or components that were removed.
7. **Test Operation:** Reconnect the spark plug wire. Start the mower and engage the drive system briefly to ensure the belt operates smoothly and the drive system functions correctly. Listen for any unusual noises.

If you are unsure about any step, it is recommended to consult a qualified service technician.

6. OPERATING CONSIDERATIONS

While the belt itself does not have "operating" instructions, its performance is directly tied to the proper operation of your lawn mower. Ensure the following for optimal belt life:

- **Avoid Overloading:** Do not attempt to mow excessively tall or wet grass, which can put undue strain on the drive belt and engine.
- **Clear Obstructions:** Regularly check the mower deck for debris or obstructions that could interfere with belt movement or damage the belt.
- **Proper Engagement:** Engage the drive system smoothly. Avoid sudden, jerky movements that can shock the belt.

7. MAINTENANCE

Regular inspection and proper maintenance can significantly extend the life of your HERO replacement belt and ensure consistent mower performance.

- **Regular Inspection:** Periodically inspect the belt for signs of wear, cracking, fraying, glazing, or stretching. Replace the belt if any significant damage is observed.
- **Keep Clean:** Keep the belt and pulleys free from grass clippings, dirt, oil, and other debris. Accumulation can cause slippage and premature wear.
- **Check Pulleys:** Ensure all pulleys are clean, free-spinning, and properly aligned. Worn or misaligned pulleys can cause excessive belt wear.
- **Proper Storage:** When not in use for extended periods, store the mower in a dry, cool place to protect the belt from extreme temperatures and moisture.

8. TROUBLESHOOTING

If you experience issues with your mower’s drive system after belt replacement, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Mower not driving or slipping	Belt incorrectly routed, belt too loose, pulleys dirty/worn, belt damaged.	Verify belt routing, check tensioner, clean pulleys, inspect belt for damage and replace if necessary.
Unusual noises (squealing, grinding)	Belt rubbing, misaligned pulleys, worn pulley bearings.	Check belt clearance, inspect pulley alignment, replace worn pulleys/bearings.
Belt comes off pulleys	Incorrect belt size, misaligned pulleys, worn belt guides, excessive vibration.	Ensure correct belt size, check pulley alignment, inspect and adjust belt guides, check for loose components.

If troubleshooting steps do not resolve the issue, it is advisable to seek professional assistance.

9. SPECIFICATIONS

- **Product Name:** HERO OEM Aramid Kevlar Replacement Belt
- **OEM Part Number Replaced:** Toro 117-1018
- **HERO Model Number:** RSU1171018
- **Belt Dimensions:** 3/8 inches (width) x 32-3/8 inches (length)
- **Material:** Aramid Cord (Kevlar equivalent)
- **Compatibility:** Designed for specific Toro 22in Recycler Lawn Mowers and other models listed in Section 4.
- **Manufacturer:** Maintenance Solutions Unlimited (Brand: HERO)
- **UPC:** 810111984294

10. SUPPORT

For further assistance or inquiries regarding your HERO replacement belt, please contact the manufacturer or your point of purchase. When contacting support, please have your product model number (RSU1171018) and details of your Toro mower model readily available.

This product is from a small business brand. Your support is appreciated.

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