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RYOBI ACRM010

RYOBI 15-inch Riding Mower Blade Set (ACRM010) Instruction Manual

1. Product Overview

This document provides instructions for the RYOBI 2-piece 15-inch Riding Mower Blade Set, model ACRM010. These blades are designed for optimal cutting efficiency and extended runtime, particularly with cordless riding mowers. They are compatible with RYOBI riding mower models such as RY48130 and RYRM8010.



This image displays two black RYOBI 15-inch riding mower blades. Each blade features a central mounting hole and two smaller alignment holes, along with a curved, sharpened edge designed for efficient grass cutting and bagging.

2. Safety Information

Always prioritize safety when working with lawn mower blades. Failure to follow safety precautions can result in serious injury.

- **Disconnect Power:** Before performing any maintenance or blade replacement, ensure the mower's power source is disconnected (e.g., remove the ignition key, disconnect the spark plug wire, or remove the battery pack for cordless models).
- **Wear Protective Gear:** Always wear heavy-duty gloves and eye protection when handling mower blades. Blades are sharp and can cause cuts.
- **Secure the Mower:** Ensure the mower is on a flat, stable surface and cannot roll or tip over during blade service.
- **Inspect Blades:** Regularly inspect blades for damage, cracks, or excessive wear. Replace damaged blades immediately.

- **Keep Clear:** Keep hands and feet away from the blade area.

3. Installation Instructions

Follow these steps carefully to replace your riding mower blades.

3.1. Tools Required

- Socket wrench with appropriate size socket for blade bolts
- Torque wrench
- Wood block or blade removal tool (to prevent blade rotation)
- Heavy-duty work gloves
- Safety glasses

3.2. Blade Removal

1. Ensure the mower is turned off, the ignition key is removed, and the battery pack is disconnected (for cordless models).
2. Raise the mower deck to its highest position or safely lift and support the front of the mower to access the blades.
3. Place a wood block between the blade and the mower deck to prevent the blade from turning while loosening the bolt.
4. Using a socket wrench, loosen and remove the blade bolt. Note the orientation of any washers or spacers.
5. Carefully remove the old blade.

3.3. Blade Installation

1. Ensure the new blade is oriented correctly. The cutting edge should face towards the mower deck.
2. Align the central hole of the new blade with the spindle and ensure any alignment pins or features on the blade match the spindle.
3. Reinstall any washers or spacers in their original orientation.
4. Thread the blade bolt by hand to prevent cross-threading.
5. Place the wood block between the blade and the mower deck again to prevent rotation.
6. Tighten the blade bolt using a torque wrench to the manufacturer's specified torque setting. Refer to your mower's specific instruction manual for the correct torque value. Overtightening or undertightening can be dangerous.
7. Repeat the process for the second blade.
8. Lower the mower and reconnect the power source.

4. Operation Guidelines

After installing new blades, perform a brief check before full operation:

- **Test Run:** Start the mower in a safe, open area and listen for unusual noises or vibrations. If excessive vibration occurs, immediately shut off the mower and recheck blade installation.
- **Cutting Height:** Adjust the mower deck to the desired cutting height for optimal performance.
- **Clear Debris:** Ensure the mowing area is clear of rocks, sticks, and other debris that could damage the blades.

5. Maintenance

Proper maintenance extends the life of your blades and ensures consistent cutting performance.

- **Clean Blades:** After each use, clean grass clippings and debris from the blades and underside of the mower deck. This prevents rust and maintains balance.
- **Inspect for Damage:** Regularly check blades for nicks, bends, cracks, or excessive wear. Damaged blades should be replaced.
- **Sharpening:** Blades can be sharpened to maintain a keen edge. If sharpening, ensure the blade remains balanced. An unbalanced blade can cause excessive vibration and damage to the mower. It is often recommended to have blades professionally sharpened or replaced if heavily worn.
- **Replacement Frequency:** Replace blades annually or more frequently depending on usage and terrain.

6. Troubleshooting

If you encounter issues after blade replacement, consider the following:

- **Uneven Cut:**
  - *Cause:* Dull blades, improperly installed blades, or unbalanced blades.
  - *Solution:* Sharpen or replace blades, recheck installation, ensure blades are balanced.
- **Excessive Vibration:**
  - *Cause:* Unbalanced blades, bent blades, or loose blade bolts.
  - *Solution:* Check blade for bends or damage, ensure blades are balanced, tighten blade bolts to specified torque.
- **Poor Bagging Performance:**
  - *Cause:* Dull blades, incorrect blade type for bagging, or clogged mower deck.
  - *Solution:* Sharpen or replace blades, ensure blades are clean and deck is clear of debris.

7. Product Specifications

Specification	Detail
Model Number	ACRM010
Blade Length	15 inches (each)
Quantity	2 blades per set
Product Dimensions	20 x 4 x 4 inches (packaging)
Item Weight	1.57 pounds
Manufacturer	RYOBI
Compatible Mower Models	RY48130, RYRM8010 (and others as specified by RYOBI)

8. Warranty Information

Specific warranty details for RYOBI replacement parts, including this blade set, are typically provided with the original product purchase or can be found on the official RYOBI website. Please refer to your mower's original documentation or the manufacturer's website for the most current warranty policy.

9. Customer Support

For further assistance, technical support, or inquiries regarding your RYOBI 15-inch Riding Mower Blade Set (ACRM010), please contact RYOBI customer service. Contact information can typically be found on the RYOBI official website or in your mower's instruction manual.

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