

## Oregon 91-493

# Oregon 91-493 Heavy Duty Mower Blades Instruction Manual

Model: 91-493 (Replaces Kubota K5677-97530, K5698-34340)

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective installation, operation, and maintenance of your Oregon 91-493 Heavy Duty Mower Blades. These blades are designed for 72-inch Kubota mower decks and are direct replacements for Kubota OEM part numbers K5677-97530 and K5698-34340. Please read this manual thoroughly before handling or installing the blades.

## 2. SAFETY INFORMATION

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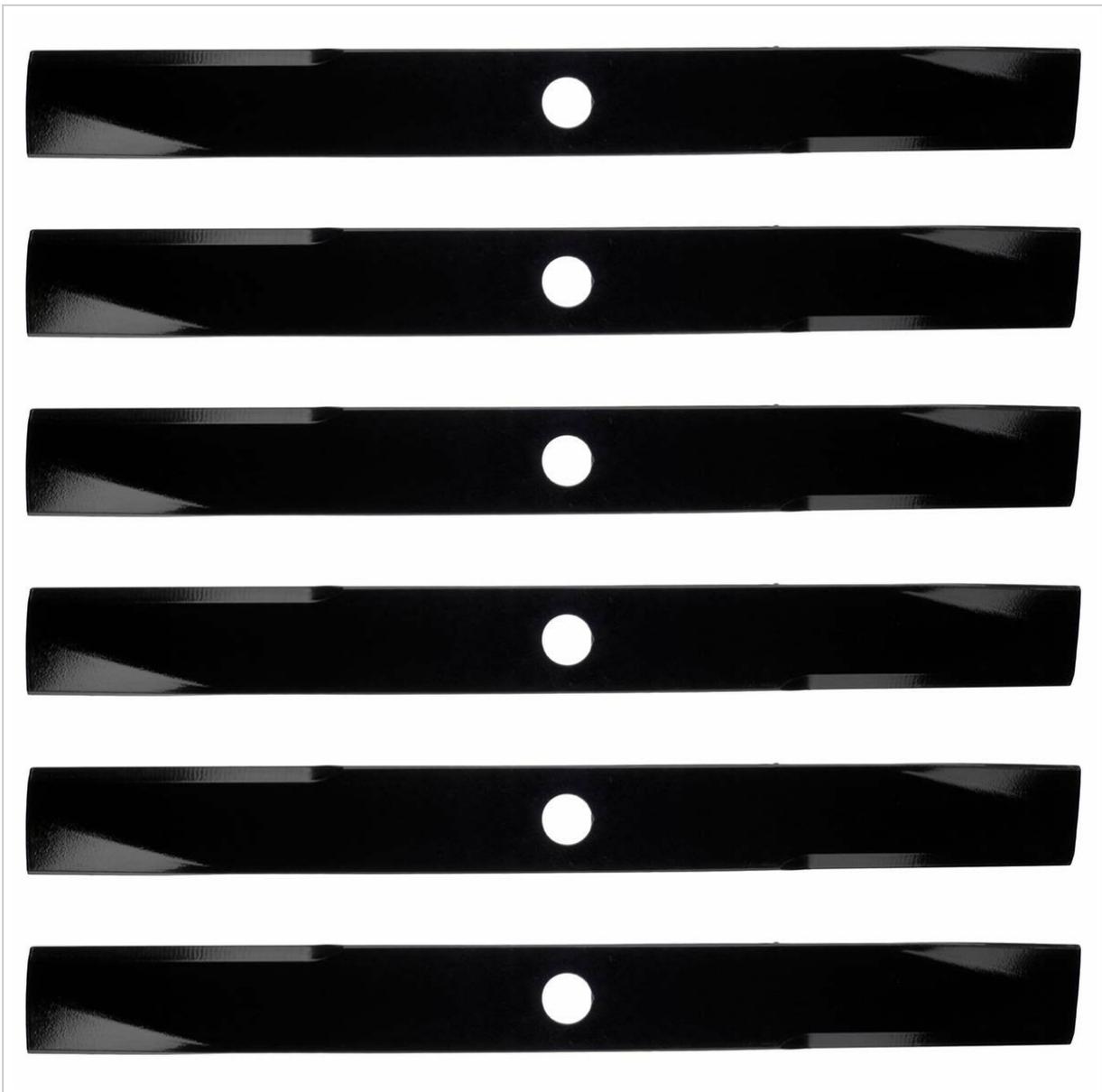
Always prioritize safety when working with mower blades. Improper handling or installation can result in serious injury.

- **Wear Protective Gear:** Always wear heavy-duty gloves and eye protection when handling mower blades. Blades are sharp and can cause cuts.
- **Disconnect Power:** Before performing any maintenance or installation on your mower, ensure the engine is off, the spark plug wire is disconnected, and the key is removed to prevent accidental starting.
- **Secure the Mower:** Use appropriate jacks or stands to safely lift and secure the mower, ensuring it cannot move or fall during blade replacement.
- **Inspect Blades:** Before each use, inspect blades for damage, cracks, or excessive wear. Replace damaged blades immediately.
- **Proper Torque:** Ensure all fasteners are tightened to the manufacturer's specified torque settings. Loose blades can be extremely dangerous.

## 3. PRODUCT OVERVIEW

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The Oregon 91-493 blades are heavy-duty replacement blades designed for durability and efficient cutting performance on 72-inch Kubota mower decks. This package typically includes six blades.



**Image 1:** A set of six Oregon 91-493 heavy-duty mower blades. These blades are black, flat, and feature a central circular mounting hole, designed for robust cutting applications.

## 4. INSTALLATION (SETUP)

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Follow these steps to safely replace your mower blades. Refer to your mower's specific owner's manual for detailed instructions on accessing the mower deck and blade bolts.

1. **Prepare the Mower:** Park the mower on a flat, level surface. Turn off the engine, remove the ignition key, and disconnect the spark plug wire(s) to prevent accidental starting.
2. **Secure the Mower:** Engage the parking brake. If necessary, use a jack and jack stands to safely lift the mower deck for access to the blades. Ensure the mower is stable.
3. **Remove Old Blades:** Using a wrench or socket, loosen and remove the blade retaining bolt(s). You may need a blade removal tool or a block of wood to prevent the blade from turning while loosening the bolt. Note the orientation of the old blades for correct installation of the new ones.
4. **Clean Deck:** Clean any accumulated grass clippings and debris from the underside of the mower deck.
5. **Install New Blades:** Position the new Oregon 91-493 blade onto the spindle, ensuring the cutting edge is facing the correct direction (typically upwards towards the deck). The center hole of the blade should align perfectly with the spindle.



**Image 2:** A close-up view of a single Oregon 91-493 heavy-duty mower blade. This image highlights the blade's robust construction, the precision-cut central mounting hole, and the sharpened cutting edges on both ends, essential for proper installation and function.

6. **Secure Blades:** Reinstall the blade retaining bolt(s) and washer(s). Tighten the bolt(s) securely. Refer to your mower's owner's manual for the specific torque specifications. Over-tightening or under-tightening can cause damage or unsafe operation.
7. **Verify Installation:** Ensure all blades are securely fastened and rotate freely without obstruction.
8. **Lower Mower:** Carefully lower the mower from the jack stands.

## 5. OPERATION (POST-INSTALLATION CHECK)

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

- **Visual Inspection:** Confirm all blades are correctly oriented and securely attached.
- **Test Run:** Start the mower in a safe, open area. Listen for any unusual noises or vibrations. If any are detected, immediately shut off the engine and re-inspect the blade installation.
- **Cutting Performance:** Observe the initial cut. An uneven cut or excessive vibration may indicate an issue with blade balance or installation.

## 6. MAINTENANCE

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Regular maintenance of your mower blades ensures optimal cutting performance and extends their lifespan.

- **Clean Blades:** After each use, clean grass clippings and debris from the blades and underside of the deck. This prevents rust and maintains blade balance.
- **Inspect for Wear:** Regularly inspect blades for nicks, bends, cracks, or excessive wear. Replace blades that show significant damage or wear to maintain cut quality and safety.
- **Sharpening:** While these are replacement blades, if you choose to sharpen them, ensure they are balanced after sharpening to prevent vibration. Follow manufacturer guidelines for sharpening angles.
- **Replacement Frequency:** The frequency of blade replacement depends on usage and cutting conditions. Replace blades when they no longer provide a clean cut or show signs of significant wear.

## 7. TROUBLESHOOTING

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If you encounter issues after installing new blades, consider the following:

- **Uneven Cut:** Check if blades are installed correctly (cutting edge up). Ensure all blades are the same length and in good condition. Verify tire pressure on the mower.
- **Excessive Vibration:** This often indicates an unbalanced blade or improper installation. Re-check blade tightness and ensure no debris is stuck to the blade or spindle. If blades were sharpened, ensure they are balanced.
- **Poor Cutting Performance:** Blades may be dull or damaged. Replace worn blades. Ensure the mower deck height is set appropriately for the grass type and conditions.

## 8. SPECIFICATIONS

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Key specifications for Oregon 91-493 Heavy Duty Mower Blades:

Feature	Measurement
Blade Width	2.50 inches
Thickness	0.250 inches
Blade Length	24-1/2 inches
Center Hole Size	1-1/8 inches
Air Lift	7/8 inches

## 9. DISPOSAL

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Dispose of old, worn, or damaged mower blades responsibly. Many recycling centers accept scrap metal. Ensure blades are handled safely to prevent injury during disposal.

## 10. SUPPORT

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For further assistance or inquiries regarding Oregon products, please refer to the official Oregon website or contact their customer support. Always provide the product model number (91-493) when seeking support.

