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> John Deere Grass Groomer Lawn Striping Kit LP1002 User Manual

## John Deere LP1002

# John Deere Grass Groomer Lawn Striping Kit LP1002 User Manual

Model: LP1002

## 1. INTRODUCTION

The John Deere Grass Groomer Lawn Striping Kit LP1002 is designed to enhance the appearance of your lawn by creating professional-looking striping patterns. This kit utilizes flexible bristles to gently bend grass blades, intensifying the striping effect by reflecting light at a greater angle. Its design accommodates varying ground heights, preventing scalping or berming during turns, and maintains low ground compaction due to its strong, lightweight construction.

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Grass Groomer kit.

## 2. SAFETY INFORMATION

Always prioritize safety when working with lawn equipment. Read and understand all instructions before attempting installation or operation. Failure to follow safety guidelines may result in injury or damage to equipment.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, during installation and maintenance.
- Ensure the lawn tractor engine is turned off, the parking brake is engaged, and the engine is cool before performing any installation, adjustment, or maintenance.
- Keep hands, feet, and clothing clear of moving parts.
- Do not modify the Grass Groomer kit or its components. Use only genuine John Deere replacement parts.
- Store the kit in a safe, dry place when not in use.

## 3. COMPONENTS

The John Deere Grass Groomer Lawn Striping Kit LP1002 typically includes the following components:

- Grass Groomer Assembly (with flexible bristles)
- Specific Mounting Brackets (designed for 48-inch and 54-inch Edge Decks)

- Fasteners (bolts, nuts, washers)
- Height Adjustment Knobs



Image: The John Deere Grass Groomer kit, showing the main assembly with green bristles and black mounting plate.

## 4. SETUP AND INSTALLATION

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The Grass Groomer kit is designed for simple installation using basic hand tools. No drilling is required. This kit is compatible with John Deere's 48-inch and 54-inch Edge Decks on current D100 Series Tractors, as well as previous D100 Series, LA Series, X300 Series, and X500 Series Tractors. Specific compatible models include D140, D155, D160, D170, D150, LA145, LA165, LA175, X300, X320, X324, X340, X360, X500, X530, X534, and X540.

### Installation Steps:

1. **Prepare the Tractor:** Park the lawn tractor on a flat, level surface. Turn off the engine, remove the key, and engage the parking brake. Allow the engine and deck to cool completely.
2. **Identify Mounting Points:** Locate the designated mounting points on your tractor's 48-inch or 54-inch Edge Deck. These points are pre-drilled and do not require additional drilling.
3. **Attach Mounting Brackets:** Secure the specific mounting brackets to the identified points on the mower deck using the provided fasteners (bolts, nuts, washers). Ensure all fasteners are tightened securely, but do not overtighten.
4. **Mount Grass Groomer Assembly:** Attach the Grass Groomer assembly to the newly installed mounting brackets. Align the holes and secure with the remaining fasteners.
5. **Adjust Height:** Use the two screw knobs to set the desired height of the Grass Groomer. The bristles should gently contact the grass without digging into the turf. Adjustments can be made in seconds to accommodate varying ground heights.
6. **Final Check:** Before operation, double-check all connections and fasteners to ensure they are secure. Ensure the Grass Groomer moves freely and does not interfere with any other tractor components.



Image: An angled view of the John Deere Grass Groomer kit, highlighting the attachment points and bristle design.

## 5. OPERATION

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Once the John Deere Grass Groomer is correctly installed and adjusted, its operation is integrated with your regular mowing routine. The groomer works by gently bending grass blades in the direction of travel, creating a contrasting pattern as light reflects differently off the bent blades.

- **Mowing Patterns:** To achieve distinct striping patterns, mow in straight, overlapping lines. Alternating the direction

of each pass (e.g., north-south, then south-north) will create the most pronounced striped effect.

- **Speed:** Maintain a consistent, moderate mowing speed for best results. Excessive speed may reduce the effectiveness of the striping.
- **Grass Condition:** Optimal striping occurs on healthy, well-maintained lawns. Taller grass generally produces more visible stripes. Avoid mowing wet grass, as it can clump and reduce striping quality.



Image: A John Deere lawn tractor actively creating distinct striping patterns on a well-maintained lawn.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Grass Groomer kit.

- **Cleaning:** After each use, clean the Grass Groomer assembly to remove grass clippings, dirt, and debris. A stiff brush or hose can be used. Ensure the unit is dry before storage.
- **Inspection:** Periodically inspect the bristles for wear, damage, or excessive bending. While designed to be durable and flexible, severely worn bristles may affect striping quality.
- **Fastener Check:** Regularly check all bolts, nuts, and other fasteners to ensure they remain tight. Vibrations during operation can sometimes loosen connections.
- **Storage:** When not in use, store the Grass Groomer in a clean, dry environment, protected from extreme temperatures and moisture.

## 7. TROUBLESHOOTING

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If you encounter issues with your Grass Groomer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Poor or inconsistent striping	<ul style="list-style-type: none"><li>• Incorrect height adjustment</li><li>• Worn or damaged bristles</li><li>• Mowing wet or excessively long grass</li><li>• Inconsistent mowing speed or pattern</li></ul>	<ul style="list-style-type: none"><li>• Adjust the groomer height so bristles gently contact the grass.</li><li>• Inspect and replace bristles if severely worn.</li><li>• Mow when grass is dry and at an appropriate height.</li><li>• Maintain a consistent speed and follow a clear mowing pattern.</li></ul>

Problem	Possible Cause	Solution
Unusual noise during operation	<ul style="list-style-type: none"> <li>Loose fasteners</li> <li>Obstruction caught in bristles</li> <li>Improper installation</li> </ul>	<ul style="list-style-type: none"> <li>Check and tighten all mounting bolts and fasteners.</li> <li>Stop the tractor, turn off the engine, and remove any obstructions.</li> <li>Review installation steps to ensure correct assembly.</li> </ul>

## 8. SPECIFICATIONS

<b>Model Number</b>	LP1002
<b>Brand</b>	John Deere
<b>Material</b>	Metal (brackets), Flexible Bristles
<b>Item Weight</b>	40 Pounds
<b>Product Dimensions (Approx.)</b>	22 x 22 x 22 inches
<b>Compatible Deck Widths</b>	48-inch and 54-inch Edge Decks
<b>Compatible Tractor Series</b>	Current D100 Series, previous D100 Series, LA Series, X300 Series, X500 Series
<b>Specific Compatible Models</b>	D140, D155, D160, D170, D150, LA145, LA165, LA175, X300, X320, X324, X340, X360, X500, X530, X534, X540

## 9. WARRANTY INFORMATION

For detailed warranty information regarding your John Deere Grass Groomer Lawn Striping Kit LP1002, please refer to the warranty documentation included with your purchase or visit the official John Deere website. Warranty terms and conditions may vary.

## 10. CUSTOMER SUPPORT

If you require technical assistance, have questions about parts, or need further support for your John Deere Grass Groomer, please contact John Deere customer service or visit their official website:

Official John Deere Website: [John Deere Store on Amazon](#)

Please have your model number (LP1002) and any relevant purchase information ready when contacting support.

