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LL001

Generic Reel Lawn Mower Sharpening Kit (Model LL001) Instruction Manual

Maintain sharp blades for optimal lawn care.

1. Product Overview

The Generic Reel Lawn Mower Sharpening Kit (Model LL001) provides a cost-effective solution for maintaining the sharpness of your manual reel mower blades. This kit includes two types of backlapping compound, 80 grit for coarse grinding and 120 grit for fine polishing, along with essential accessories for application. It is designed for use with various manual reel mowers, including models from Great States, American Lawn Mower, and Earthwise. Additionally, the compounds can be utilized for sharpening other tools such as scissors, knives, and gardening tools.

Image: Two containers of sharpening compound, illustrating the 80 mesh for coarse grinding and 120 mesh for fine polishing, enabling a two-step sharpening process.

Image: The sharpening kit is compatible with popular manual reel mower brands such as Great States, American Lawn Mower, and Earthwise.

2. Package Contents

Verify that all items are present in your package:

- 1 x Container of 80 Grit Backlapping Compound (approx. 350g)
- 1 x Container of 120 Grit Backlapping Compound (approx. 350g)
- 1 x Application Brush
- 1 x Pair of Protective Gloves

Image: The complete kit includes two bottles of sharpening compound (80 mesh and 120 mesh), an application brush, and a pair of gloves.

3. Safety Information

Adhere to the following safety guidelines during use:

- Always wear protective gloves and safety glasses to prevent contact with the compound and potential eye injury.
- The sharpening compound and recommended diluents (Kerosene, Light Mineral Oil) are flammable. Ensure your work area is well-ventilated and free from ignition sources, open flames, or sparks.
- **Never use water for dilution or cleaning**, as it can compromise product integrity and damage equipment.
- Keep out of reach of children and pets.

Image: Important safety precautions from the diluent manual, emphasizing the prohibition of water and the flammability of materials.

4. Setup and Preparation

Before sharpening, ensure your reel mower is clean and stable. The compound is premixed and ready to use, but

may require dilution if it has solidified or if a thinner consistency is desired.

4.1 Diluent Selection (If needed)

If the compound is too thick or solid, it may require dilution. Use the following:

- **Routine Dilution (Primary Choices):**
  - **Kerosene:** Cost-effective and commonly used.
  - **Light Mineral Oil:** (e.g., White Oil, Sewing Machine Oil) Clean, odorless, suitable for high-precision environments.

4.2 Diluting the Compound

1. Take a small amount of the sharpening compound.
2. Add the selected diluent drop by drop.
3. Mix thoroughly until the desired viscosity is achieved.

Image: Close-up views of the sharpening compound, demonstrating its consistency before and after potential dilution.

5. Operating Instructions

Follow these steps to sharpen your reel mower blades:

1. **Step 1: Prepare the Compound.** Open the container of the desired grit compound (80 grit for initial sharpening, 120 grit for fine polishing). If necessary, dilute the compound as described in Section 4.2.
2. **Step 2: Apply Compound.** Dip the application brush into the compound. Apply a thin, even layer of the compound to the cutting edges of the reel mower blades. Ensure all blades are coated.
3. **Step 3: Engage Sharpening.** Position the reel mower so that the blades can be rotated backward. Many manual reel mowers have a mechanism or can be manually cranked in reverse.
4. **Step 4: Rotate Blades.** Using the hand crank or by manually rotating the wheels backward, spin the reel blades in reverse. This action will cause the compound to abrade the cutting edges, sharpening them. Continue this process for several minutes, or until the desired sharpness is achieved.
5. **Step 5: Repeat for Finer Grit (Optional).** For a finer edge, repeat steps 2-4 using the 120 grit compound after completing the 80 grit process.

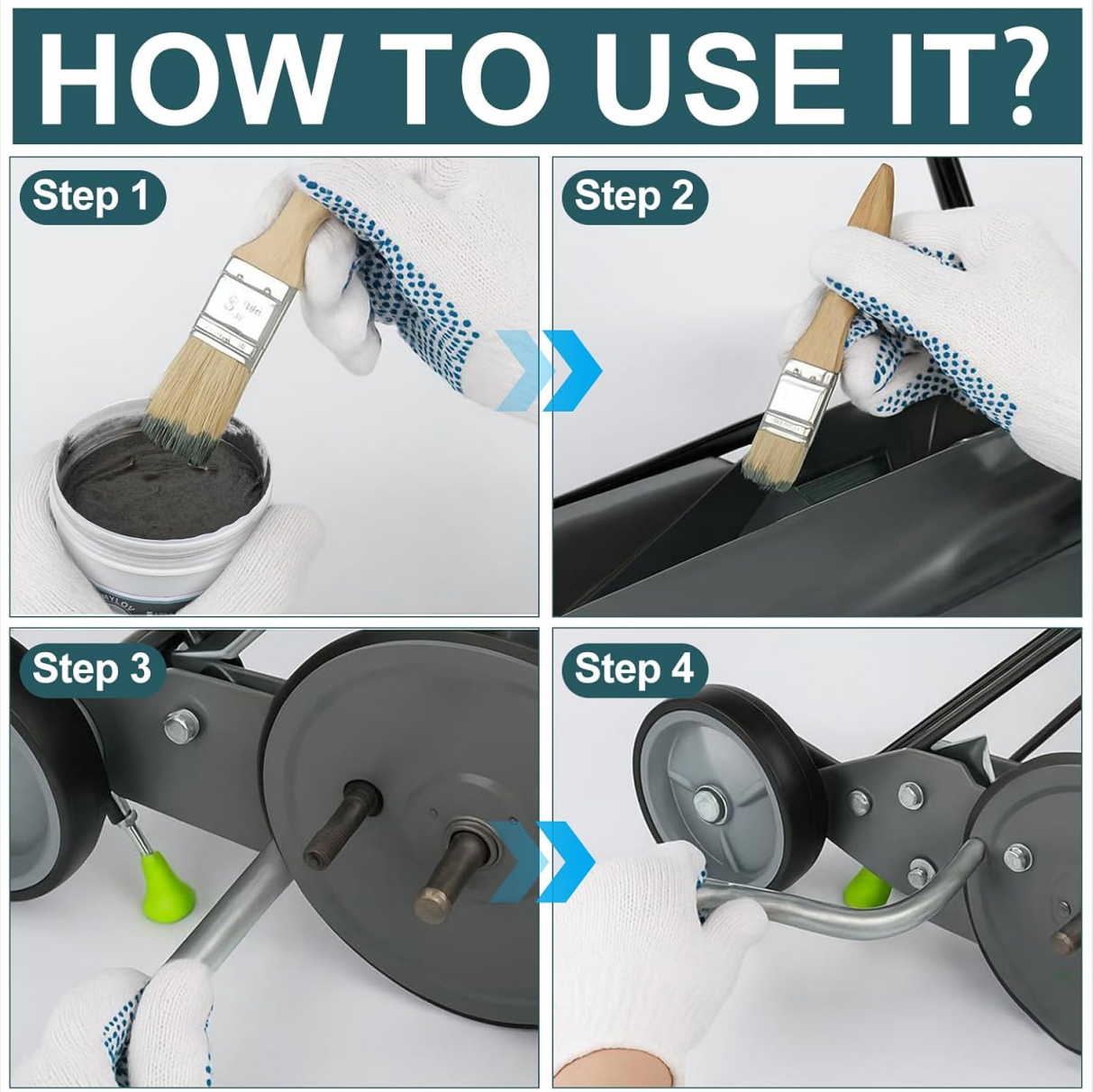

Image: A visual step-by-step guide demonstrating the application of the sharpening compound and the process of rotating the reel mower blades backward for sharpening.

Image: Close-up of the application process, showing the compound being brushed onto the reel mower blades.

Image: Before and after comparison illustrating the effectiveness of the sharpening kit in restoring blade sharpness.

6. Maintenance and Cleaning

Proper cleaning of your equipment after sharpening is essential for longevity and performance.

6.1 Cleaning Workpieces & Equipment

1. Wipe off the majority of the compound residue from the blades and mower parts using a cloth dampened with Kerosene.
2. Perform a final, thorough cleaning using a fresh cloth dampened with Alcohol (Isopropyl Alcohol or Anhydrous Ethanol) to remove any remaining oil film and achieve a clean surface.

6.2 Storage

Store the sharpening compounds in their original sealed containers in a cool, dry place, away from direct sunlight and heat sources. Ensure lids are tightly closed to prevent drying or contamination.

7. Troubleshooting

If you encounter issues during the sharpening process, consider the following:

- **Compound too solid:** Refer to Section 4.2 for dilution instructions using Kerosene or Light Mineral Oil.
- **Blades not sharpening:** Ensure the compound is evenly applied and the blades are rotating backward consistently. Check for any obstructions or excessive wear on the blades that may prevent effective sharpening.
- **Uneven sharpening:** Verify that the compound is applied uniformly across all blade surfaces.

8. Specifications

Feature	Detail
Brand	Generic
Model Number	LL001
Material	Abrasive Compound
Grit Types	80 Grit, 120 Grit
Compound Weight (per container)	Approx. 350g (1.5 Pounds total for 2 containers)
Number of Items	2 (Compound containers)
Product Dimensions	5.98"L x 4.02"W x 2.99"H
Item Weight	0.16 ounces (This seems to be for one container, the total weight is 1.5 pounds as per title)