

Rotary 18-inch Blade

Rotary 18-inch Blade for MASPORT Lawn Mowers Instruction Manual

Model: 18-inch Blade | Brand: Rotary

INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your Rotary 18-inch replacement blade. This blade is designed for specific Masport and Morrison lawn mower models. Please read this manual thoroughly before attempting any installation or maintenance procedures.

Compatible Models:

- Masport Bagger
- Premier 802
- Masport 804 18
- Morrison 460
- Morrison Typhoon 2n1-4 Series 400

Replaces OEM Part Number: MASPORT 911181

SAFETY INFORMATION

WARNING: Always prioritize safety. Failure to follow these instructions can result in serious injury or property damage.

- Always disconnect the spark plug wire from the spark plug before performing any maintenance or installation on the lawn mower.
- Wear heavy-duty gloves and eye protection when handling the blade. Blades are sharp and can cause severe cuts.
- Ensure the lawn mower is stable and cannot move or tip over during blade replacement.
- Never operate a lawn mower with a damaged, bent, or improperly installed blade.
- Keep hands and feet away from the blade area.

- If you are unsure about any step, consult a qualified service technician.

SETUP (BLADE INSTALLATION)

Follow these steps to safely replace your lawn mower blade:

1. Prepare the Mower:

- Ensure the fuel tank is nearly empty to prevent spills if tipping the mower.
- Disconnect the spark plug wire and secure it away from the spark plug to prevent accidental starting.
- Position the mower on a flat, stable surface. If tipping, tilt the mower so the carburetor side is up to prevent oil or fuel leakage.

2. Remove the Old Blade:

- Place a block of wood between the blade and the mower deck to prevent the blade from turning.
- Using a wrench, loosen the blade bolt(s) by turning counter-clockwise. Note the orientation of the blade and any washers or spacers.
- Carefully remove the old blade.

3. Inspect Components:

- Inspect the blade bolt, washers, and blade adapter for wear or damage. Replace any worn parts.
- Clean any debris from the blade adapter and mounting surface.

4. Install the New Blade:

The image below shows the Rotary 18-inch replacement blade. Note the central mounting hole and the overall shape designed for efficient cutting and bagging.



Image: Rotary 18-inch replacement blade. This blade features a central mounting hole and specific contours for optimal cutting performance in compatible lawn mowers.

- Position the new Rotary blade onto the blade adapter, ensuring the cutting edge faces the correct direction (usually towards the ground when the mower is upright). The curved ends of the blade should point upwards towards the mower deck.
- Reinstall any washers or spacers in their original orientation.
- Insert the blade bolt and tighten it clockwise by hand.
- Place the block of wood between the blade and the mower deck again.
- Using a torque wrench, tighten the blade bolt to the manufacturer's specified torque setting (refer to your lawn mower's owner's manual for exact specifications). If a torque wrench is unavailable, tighten securely.

5. Final Check:

- Remove the block of wood.
- Ensure the blade is securely fastened and spins freely without wobbling.
- Reconnect the spark plug wire.

OPERATING

After installing the new blade, ensure all safety guards are in place before starting the lawn mower. Operate the mower according to its original manufacturer's instructions. A sharp, properly installed blade contributes to a cleaner cut and healthier lawn.

MAINTENANCE

Regular maintenance of your Rotary blade ensures optimal performance and longevity:

- **Sharpening:** Sharpen the blade regularly, especially if you notice tearing of grass blades instead of clean cuts. Use a blade sharpener or file, maintaining the original cutting angle. Ensure the blade remains balanced after sharpening to prevent excessive vibration.
- **Balancing:** An unbalanced blade can cause excessive vibration, leading to premature wear on mower components and an uneven cut. After sharpening, check the blade's balance using a blade balancer. Remove small amounts of metal from the heavier side until balanced.
- **Cleaning:** After each use, clean grass clippings and debris from the blade and underside of the mower deck. This prevents rust and maintains efficiency.
- **Inspection:** Periodically inspect the blade for bends, cracks, or excessive wear. A severely damaged blade should be replaced immediately.
- **Replacement:** Replace the blade when it becomes too worn, bent, or damaged to be safely sharpened or balanced. The frequency depends on usage and cutting conditions.

TROUBLESHOOTING

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

| Problem | Possible Cause | Solution |
|---------------------------------------|---|--|
| Uneven Cut | Blade installed incorrectly, blade unbalanced, blade dull, mower deck uneven. | Check blade orientation, balance and sharpen blade, check mower deck leveling. |
| Excessive Vibration | Blade unbalanced, blade bent or damaged, blade bolt loose. | Balance or replace blade, tighten blade bolt to specified torque. |
| Mower Not Starting (after blade work) | Spark plug wire not reconnected. | Ensure spark plug wire is securely reconnected. |

SPECIFICATIONS

- **Blade Length:** 18 inches (457 mm)
- **Center Hole Diameter (C.H. DIA):** 5/8 inches
- **Replaces OEM Part Number:** MASPORT 911181
- **Compatibility:** Masport Bagger, Premier 802, Masport 804 18, Morrison 460, Morrison Typhoon 2n1-4 Series 400
- **Manufacturer:** Rotary Tool Corp

WARRANTY INFORMATION

For specific warranty details regarding your Rotary replacement blade, please refer to the warranty documentation provided with your purchase or contact Rotary Tool Corp directly. Warranty terms typically cover manufacturing defects but may not cover wear and tear from normal use or damage due to improper installation or misuse.

SUPPORT

If you require further assistance or have questions not covered in this manual, please contact the manufacturer, Rotary Tool Corp, or your authorized dealer. When contacting support, please have your product details and any relevant purchase information available.