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MaxLLTo 738-04124

MaxLLTo Replacement Snow Thrower Shear Pins 738-04124 User Manual

Model: 738-04124

1. INTRODUCTION

This manual provides essential information for the proper installation, function, and maintenance of your MaxLLTo Replacement Snow Thrower Shear Pins. These pins are designed to protect your snow thrower's auger and gearbox from damage by breaking when the auger encounters an obstruction. Please read these instructions carefully before installation to ensure safe and effective use.

2. PRODUCT OVERVIEW

The MaxLLTo Replacement Shear Pins are critical safety components for various MTD snow thrower models. They are engineered to specific dimensions to ensure compatibility and reliable performance.

2.1. Package Contents

- 8 x Shear Pins (1/4" x 1.5")
- 8 x Cotter Pins

2.2. Compatibility

These shear pins are direct replacements for MTD part number 738-04124. They are compatible with a wide range of MTD snow thrower models, including but not limited to:

- MTD 31AH56TS713, 31AH57KZ597, 31AH6ZFH500, 31AH6ZK4597, 31AH66KF515, 31AH7ZK5596, 31AH77KY597, 31AH8ESJ596, 31AM5BTR596
- Also fits various models from Troy-Bilt, Yard Man, Arnold, Remington, Yard Machines, Columbia, Murray, and Robomow that use MTD part 738-04124.

3. SAFETY INFORMATION

WARNING:

- Always disconnect the spark plug wire or remove the battery (for electric models) before performing any maintenance or installation on your snow thrower to prevent accidental starting.

- Wear appropriate safety gear, including gloves and eye protection, during installation.
- Ensure the snow thrower is on a stable, level surface and the engine is cool before beginning work.
- Never use substitute fasteners (e.g., regular bolts or nails) in place of shear pins. Shear pins are designed to break under stress to protect the machine's components. Using incorrect fasteners can lead to severe damage to the snow thrower and potential injury.

4. INSTALLATION (SETUP)

Follow these steps to replace a broken shear pin on your snow thrower's auger shaft.

1. **Prepare the Snow Thrower:** Ensure the snow thrower is turned off, the engine is cool, and the spark plug wire is disconnected.
2. **Locate the Auger:** Position yourself safely in front of the snow thrower's auger housing.
3. **Identify Broken Pin:** Locate the auger section where the shear pin has broken. The auger will likely be loose or free-spinning on the shaft.
4. **Remove Remnants:** If parts of the old shear pin or cotter pin remain, carefully remove them from the auger shaft and auger. You may need pliers or a punch to tap out stubborn pieces.
5. **Align Auger and Shaft:** Rotate the auger until the hole in the auger aligns with the hole in the auger shaft. This may require some gentle manipulation.
6. **Insert New Shear Pin:** Insert a new MaxLLTo shear pin through the aligned holes in the auger and shaft.
7. **Secure with Cotter Pin:** Once the shear pin is fully inserted, secure it by inserting a new cotter pin through the small hole at the end of the shear pin. Bend the ends of the cotter pin to prevent it from falling out.



Figure 1: MaxLLTo Replacement Shear Pins and Coter Pins. This image displays four shear pins and four coter pins, illustrating the components included in the package. The shear pins are cylindrical with a flat head and a small hole at the opposite end for the coter pin. The coter pins are R-shaped wires used to secure the shear pins.



Figure 2: Close-up of a Cotter Pin. This image provides a detailed view of a single cotter pin, highlighting its R-shape and the material used. This type of pin is essential for securing the shear pin in place on the snow thrower's auger shaft.

5. USAGE CONSIDERATIONS

Shear pins are designed as a sacrificial component to prevent more costly damage to your snow thrower. They are intended to break when the auger encounters an object that could otherwise jam or damage the gearbox or auger assembly.

- **Normal Operation:** Under normal snow clearing conditions, shear pins should remain intact.
- **Obstruction Encountered:** If the auger hits a rock, ice chunk, or other foreign object, the shear pin(s) will break, allowing the auger to stop rotating while the engine continues to run. This protects the internal components of the snow thrower.
- **Replacement:** Always replace broken shear pins with genuine MaxLLTo replacement pins (part number 738-04124) or equivalent specifications. Using pins of different strength can compromise the safety mechanism.

6. MAINTENANCE

Proper maintenance of your shear pins ensures the longevity and safety of your snow thrower.

- **Regular Inspection:** Before each use of your snow thrower, visually inspect the shear pins to ensure they are intact and properly secured with cotter pins.
- **Carry Spares:** It is highly recommended to keep a supply of MaxLLTo replacement shear pins on hand, especially during the snow season, as they are designed to break.
- **Storage:** Store spare shear pins in a dry place to prevent corrosion.

7. TROUBLESHOOTING

Here are some common issues related to shear pins and their solutions:

Problem	Possible Cause	Solution
Auger not turning, engine running.	Broken shear pin(s).	Inspect auger shaft for broken pins. Replace all broken shear pins following the installation instructions in Section 4.
Shear pins break too frequently.	<ul style="list-style-type: none"> Frequent impact with obstructions. Incorrect shear pin size/type used. Auger or gearbox issue (less common). 	<ul style="list-style-type: none"> Clear area of debris before snow throwing. Ensure you are using MaxLLTo 738-04124 replacement pins. If problem persists, consult a qualified service technician.
Shear pin difficult to insert.	Holes in auger and shaft are not aligned.	Gently rotate the auger until the holes align perfectly. Do not force the pin.

8. SPECIFICATIONS

Feature	Detail
Part Number	738-04124
Dimensions	1/4 inch (diameter) x 1.5 inches (length)
Quantity per Package	8 Shear Pins, 8 Cotter Pins
Manufacturer	MaxLLTo
Compatibility	MTD, Troy-Bilt, Yard Man, Arnold, Remington, Yard Machines, Columbia, Murray, Robomow (models using 738-04124)

9. WARRANTY AND SUPPORT

9.1. Warranty Information

Every MaxLLTo product is backed by a **30-day Money-back Guarantee** and an **18-Month Worry-free Warranty**. This warranty covers defects in materials and workmanship under normal use.

9.2. Customer Support

If you have any questions regarding the compatibility, installation, or performance of your MaxLLTo Replacement Snow Throwing Shear Pins, please do not hesitate to contact us. For compatibility inquiries, please provide your snow thrower's model and serial number.

Contact information (e.g., email address or website) would typically be provided here by the manufacturer.