

Poulan Pro 575939901

Poulan Pro 575939901 Tiller Sheer Pin Replacement Instructions

Model: 575939901 | Part Number: PP60009

INTRODUCTION

This manual provides essential instructions for the proper installation and understanding of the Poulan Pro 575939901 Tiller Replacement Sheer Pin (PP60009). This component is designed to protect your tiller's gearbox and tines from damage by breaking when excessive force is encountered, such as hitting a rock or root. Always prioritize safety and consult your tiller's main instruction manual for specific model-related procedures.

PRODUCT OVERVIEW

The Poulan Pro 575939901 Sheer Pin is an original equipment replacement part engineered for durability and precise fit. It acts as a sacrificial component, preventing more costly damage to your tiller's drive system. Each pin is designed to shear under specific stress levels, safeguarding the machinery.



An image showing four metallic shear pins with rounded heads and holes for cotter pins, alongside four R-clip style cotter pins, all designed for tiller applications. These components are crucial for protecting the tiller's drive system.

- **Purpose:** Protects the tiller's gearbox and tines from impact damage.
- **Material:** Engineered to shear at a predetermined stress point.
- **Compatibility:** Designed for Poulan Pro tillers requiring part number PP60009.

INSTALLATION INSTRUCTIONS

1. **Safety First:** Before attempting any installation or maintenance, ensure the tiller's engine is off and cool. Disconnect the spark plug wire to prevent accidental starting.
2. **Locate the Sheer Pin:** Identify the location of the sheer pin on your tiller's tines or drive shaft assembly. Refer to your tiller's specific owner's manual for exact placement.
3. **Remove Old Pin (if applicable):** If replacing a broken pin, carefully remove any remaining fragments of the old pin and its cotter pin or retaining clip. You may need pliers or a punch.
4. **Align Components:** Align the holes in the tiller's shaft and the tines (or other components) where the sheer pin is inserted.
5. **Insert New Sheer Pin:** Slide the new Poulan Pro 575939901 sheer pin through the aligned holes. Ensure it passes completely through.
6. **Secure with Retaining Clip:** Insert the provided cotter pin or R-clip through the small hole at the end of the

sheer pin. Bend the cotter pin ends or secure the R-clip to prevent the sheer pin from dislodging during operation.

- 7. **Verify Installation:** Gently rotate the tines or relevant component to ensure the pin is securely in place and allows for proper movement.
- 8. **Reconnect Spark Plug:** Once installation is complete and verified, reconnect the spark plug wire.

Important: Always use genuine replacement parts to ensure proper fit and performance. Using incorrect pins can lead to tiller damage or unsafe operation.

OPERATING PRINCIPLE

The sheer pin is a critical safety and protective component. During normal operation, it transmits power from the tiller's drive system to the tines. If the tines strike an immovable object (e.g., a large rock, tree root), the force exerted on the sheer pin will exceed its designed breaking point. The pin will then shear, disconnecting the tines from the drive system. This action prevents the sudden shock from being transferred to the gearbox, engine, or other vital components, thereby protecting the tiller from severe mechanical damage.

MAINTENANCE AND STORAGE

- **Regular Inspection:** Periodically inspect the sheer pins for any signs of bending, cracking, or wear. Replace any damaged pins immediately, even if they haven't fully sheared.
- **Keep Spares:** It is highly recommended to keep several spare Poulan Pro 575939901 sheer pins on hand. Sheer pins are designed to break, and having replacements readily available will minimize downtime.
- **Proper Storage:** Store replacement pins in a dry place to prevent rust or corrosion, which could compromise their integrity.

TROUBLESHOOTING

Symptom	Possible Cause	Solution
Tines stop rotating, engine still running.	Sheer pin has broken as designed.	Inspect for obstruction, remove it, and replace the sheer pin following installation instructions.
Sheer pins break frequently without significant impact.	<ul style="list-style-type: none">◦ Incorrect sheer pin used (not Poulan Pro 575939901).◦ Underlying mechanical issue with the tiller (e.g., seized bearings, bent shaft).◦ Operating in excessively rocky or root-filled soil.	<ul style="list-style-type: none">◦ Ensure you are using the correct Poulan Pro 575939901 replacement pin.◦ Inspect tiller for other mechanical issues. Consult a qualified service technician if necessary.◦ Adjust tilling depth or clear area of large obstructions before tilling.
Sheer pin is bent but not broken.	Partial impact or stress, pin integrity compromised.	Replace the bent sheer pin immediately to prevent failure during operation and potential damage to other components.

SPECIFICATIONS

- **Model Number:** 575939901
- **Part Number:** PP60009
- **Product Dimensions:** Approximately 5.75 x 3.25 x 1 inches (package dimensions, actual pin dimensions)

are smaller and specific to fit)

- **Item Weight:** Approximately 3.2 ounces (for the set)
- **Manufacturer:** Poulan Pro

Note: Actual pin dimensions are designed for precise fit within compatible Poulan Pro tillers. Refer to your tiller's manual for specific pin diameter and length requirements.

WARRANTY AND SUPPORT




For information regarding warranty coverage or technical support for your Poulan Pro products, please refer to the documentation provided with your original tiller or visit the official Poulan Pro website. For specific inquiries about the 575939901 Sheer Pin, contact Poulan Pro customer service directly.

Contact Information: Please refer to your original product documentation or the manufacturer's official website for the most current contact details.

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Related Documents - 575939901

	<p>Poulan PRO PBGT26H54 Garden Tractor Repair Parts Manual</p> <p>Comprehensive repair parts manual for the Poulan PRO PBGT26H54 garden tractor, featuring detailed diagrams, part lists, schematics, and technical specifications for all major components.</p>
	<p>Poulan Pro PR5020 Chainsaw Spare Parts List</p> <p>Comprehensive spare parts list for the Poulan Pro PR5020 chainsaw, including model numbers 967061401 and 967061501, with detailed diagrams and part numbers for engine, housing, and side cover/clutch components.</p>
	<p>Poulan PRO PB20H42LT Lawn Tractor Repair Parts Manual</p> <p>This repair parts manual provides detailed diagrams and part numbers for the Poulan PRO PB20H42LT Lawn Tractor. It covers all major components including electrical, chassis, drive, engine, steering, mower deck, mower lift, seat, and decals.</p>

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