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CRAFTSMAN 4336605865

Instruction Manual

CRAFTSMAN SNOWBLOWER SHEAR PINS & NUTS

Model: 4336605865

Product Overview

This manual provides essential information for the installation, maintenance, and troubleshooting of CRAFTSMAN Snowblower Shear Pins & Nuts. These components are critical safety devices designed to protect your snowblower's auger and gearbox from damage when the auger encounters an obstruction.

The shear pins are engineered to break under excessive stress, preventing more costly damage to the snowblower's internal mechanisms. Regular inspection and proper replacement are crucial for the safe and efficient operation of your snowblower.

Package Contents

Your package should contain the following items:

- 6 x 1/4" Shear Pins (bolts)
- 6 x Nuts
- 6 x Spacers (typically integrated or separate small washers/collars)



Image Description: This image displays five individual shear pins, each consisting of a threaded bolt, a cylindrical spacer, and a hexagonal nut. These components are designed to break under excessive stress, protecting the snowblower's gearbox from damage.

Installation (Setup)

Before beginning any maintenance or installation, ensure your snowblower is turned off, the engine is cool, and the spark plug wire is disconnected to prevent accidental starting.

1. **Locate the Auger Shaft:** Identify the auger shaft where the shear pins are located. These are typically found near the auger blades, connecting them to the main drive shaft.
2. **Remove Broken Pin (if applicable):** If replacing a broken pin, use a punch or a similar tool to drive out any remaining parts of the old shear pin from the auger shaft and auger. Clear any debris.
3. **Align Holes:** Rotate the auger by hand until the holes in the auger align with the holes in the auger shaft. This may require some gentle manipulation.
4. **Insert New Shear Pin:** Insert a new shear pin (bolt) through the aligned holes. Ensure the spacer (if separate) is correctly positioned between the auger and the shaft, or as part of the bolt assembly.
5. **Secure with Nut:** Thread the nut onto the end of the shear pin. Tighten the nut firmly, but do not overtighten. The pin should be secure but still able to shear (break) if necessary. Overtightening can prevent the pin from shearing properly, potentially leading to damage to the gearbox.
6. **Repeat for all Augers:** If your snowblower has multiple augers or shear pin locations, repeat the process for each.

***Important:** Always use shear pins specifically designed for your snowblower model. Using incorrect pins can compromise safety and lead to damage.*

Operation and Function

Shear pins are designed as a sacrificial component. During snow removal, if the auger encounters a solid object (e.g., a rock, a frozen newspaper, or a hidden obstacle), the shear pin is designed to break, disconnecting the auger from the engine's power. This prevents the force from being transferred to the more expensive and delicate gearbox components, thereby protecting the snowblower from significant damage.

When a shear pin breaks, the auger will stop rotating, even if the engine is still running. This is an indication that an obstruction has been encountered and the shear pin has performed its protective function. At this point, the snowblower should be immediately turned off, the obstruction removed, and the broken shear pin replaced as per the installation instructions.

Maintenance

Shear pins do not require regular maintenance beyond replacement when they break. However, it is good practice to:

- **Keep Spares:** Always have a supply of spare shear pins on hand, especially during the snow season.
- **Inspect Regularly:** Periodically check the existing shear pins for signs of wear, bending, or corrosion, particularly before and after heavy use. While they are designed to break cleanly, sometimes they can become weakened.
- **Proper Storage:** Store spare pins in a dry place to prevent rust and corrosion.

Troubleshooting

Problem	Possible Cause	Solution
Auger not rotating, engine running.	Shear pin has broken.	Turn off snowblower, remove obstruction, replace broken shear pin.
Shear pin breaks too frequently.	<ul style="list-style-type: none"> • Frequent encounters with obstructions. • Incorrect shear pin type used. • Shear pin overtightened. 	<ul style="list-style-type: none"> • Clear area of debris before snow blowing. • Ensure correct shear pin for your model. • Do not overtighten the nut; it should be firm but not excessively tight.
Shear pin difficult to insert.	Holes not aligned or debris in holes.	Ensure auger and shaft holes are perfectly aligned. Clear any rust or debris from the holes.

Specifications

- **Product Type:** Snowblower Shear Pins & Nuts
- **Quantity:** 6 Pins and 6 Nuts per set
- **Pin Diameter:** 1/4 inch
- **Model Number:** 4336605865
- **Product Dimensions:** 10 x 2 x 5 inches (packaging)
- **Item Weight:** 3.2 ounces

Compatibility

These shear pins and nuts are compatible with various snowblower models, including but not limited to:

- Murray
- Noma (Part # 301172)
- Craftsman
- John Deere
- Eagle
- AYP
- Husky (Part # 301172)
- Replaces part numbers: 722130, 1501216ma, 9524ma, 301172, 301172ma

Always verify the required shear pin specifications for your specific snowblower model before purchase and installation.

Warranty and Support

For information regarding warranty coverage or technical support for CRAFTSMAN products, please refer to the official CRAFTSMAN website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

For general inquiries about these shear pins, you may also contact the seller, ISE Forest Garden, through the platform where the purchase was made.

