

# 47 inch john deere 47 snowblower parts diagram

**47 inch John Deere 47 Snowblower Parts Diagram** is a critical resource for anyone looking to maintain or repair their John Deere snowblower. Snowblowers are essential tools for those living in snowy climates, and having a clear understanding of their parts can enhance their longevity and performance. This article will provide a comprehensive overview of the parts diagram, common issues, and maintenance tips for the John Deere 47 snowblower.

## Understanding the John Deere 47 Snowblower

The John Deere 47 snowblower is designed for use with John Deere lawn tractors, particularly those in the 100 series. This model is known for its efficiency in clearing snow, thanks to its robust design and powerful operation. However, like any machinery, it can require maintenance or replacement of parts over time.

## Parts of the John Deere 47 Snowblower

A thorough understanding of the parts diagram is essential for effective maintenance and repair. Here is a breakdown of the key components of the John Deere 47 snowblower:

### 1. Auger Assembly

The auger assembly is responsible for gathering and lifting the snow into the blower. It consists of:

- Auger Blades: Cut through snow and ice.
- Auger Shaft: Connects the blades to the drive mechanism.
- Bearings: Support the auger shaft for smooth rotation.

### 2. Impeller Assembly

The impeller assembly is crucial for throwing the snow out of the chute. Key components include:

- Impeller Blades: Propel the snow out of the blower.
- Impeller Housing: Encloses the blades and directs the snow flow.

### 3. Chassis and Frame

The chassis supports all the components of the snowblower. It includes:

- Main Frame: Provides structural support.
- Mounting Brackets: Connect the snowblower to the tractor.

## 4. Drive System

The drive system powers the snowblower. Important parts include:

- Drive Belt: Transfers power from the tractor to the snowblower.
- Pulleys: Guide the drive belt and change its direction.
- Gearbox: Reduces speed and increases torque for efficient snow removal.

## 5. Controls and Linkages

The control system allows the operator to manage the snowblower's operation. This includes:

- Control Levers: Adjust the height and angle of the chute.
- Linkage Rods: Connect the controls to the auger and impeller.

## 6. Chute Assembly

The chute directs the snow where it needs to go. Components include:

- Chute Deflector: Adjusts the height of the snow being thrown.
- Chute Rotator: Allows for directional control of the snow discharge.

## 7. Skid Shoes

Skid shoes help to stabilize the snowblower during operation and protect the auger from damage. They can be adjusted to control the height of the snowblower above the ground.

## Referencing the Parts Diagram

A parts diagram is a visual representation that makes it easier to identify the various components and their relationships within the snowblower. Typically, it will include:

- Labeling of All Parts: Clearly marked components for easy identification.
- Part Numbers: Useful for ordering replacements or upgrades.
- Assembly Instructions: Guidance on how to reassemble after maintenance.

You can usually find the parts diagram in the operator's manual, or it can be accessed through various online resources dedicated to John Deere equipment.

## Common Issues and Troubleshooting

Understanding the common issues that may arise with the John Deere 47 snowblower can help you maintain its efficiency. Here are some frequent problems and their solutions:

## 1. Auger Not Turning

If the auger fails to turn, it may be due to:

- Broken Drive Belt: Inspect and replace if necessary.
- Clogged Auger: Remove any debris blocking the auger path.
- Faulty Motor: Test the motor for proper operation.

## 2. Snow Not Discharging Properly

If the snow is not being discharged efficiently, check:

- Impeller Functionality: Ensure blades are not damaged.
- Chute Blockage: Clear any snow or ice blocking the chute.
- Drive System: Inspect for wear and tear on belts and pulleys.

## 3. Uneven Snow Clearing

This can occur due to:

- Improper Skid Shoe Adjustment: Ensure skid shoes are set according to desired height.
- Worn Auger Blades: Replace blades if they are dull or damaged.

# Maintenance Tips for the John Deere 47 Snowblower

Regular maintenance is vital for the efficient operation of your snowblower. Here are some practical maintenance tips:

## 1. Regular Inspections

Conduct regular inspections of all components, focusing on:

- Belts and Pulleys: Check for signs of wear or damage.
- Auger and Impeller: Ensure they are free from debris and functioning correctly.

## 2. Lubrication

Proper lubrication of moving parts is crucial. Use appropriate lubricants on:

- Bearings: To ensure smooth operation.
- Gearboxes: Follow manufacturer recommendations for oil changes.

## 3. Winter Preparation

Before the first snowfall, ensure your snowblower is ready:

- Fuel System: Fill with fresh fuel and use a stabilizer.
- Battery Check: Ensure the battery is fully charged for easy starts.

## 4. Post-Season Care

After the snow season, perform a thorough cleaning and check for wear:

- **Clean Blades:** Remove any remaining snow and ice.
- **Inspect Parts:** Identify any parts that may need replacement before the next season.

## Where to Find Replacement Parts

When it comes to finding replacement parts for your John Deere 47 snowblower, you have several options:

- **Authorized John Deere Dealers:** They offer genuine parts and expert advice.
- **Online Retailers:** Websites like Amazon and eBay often carry snowblower parts.
- **Local Hardware Stores:** Check for common parts like belts and bolts.

## Conclusion

Having a solid understanding of the **47 inch John Deere 47 snowblower parts diagram** is essential for effective maintenance and repair of this powerful snow removal tool. Regular inspections, timely repairs, and proper maintenance can lead to a longer lifespan and better performance of your snowblower. By familiarizing yourself with the parts and keeping a close eye on their condition, you can ensure that your John Deere snowblower is ready to tackle any winter storm.

## Frequently Asked Questions

### What are the key components of the 47 inch John Deere snowblower?

The key components include the auger, impeller, drive system, skid shoes, and chute assembly.

### Where can I find a parts diagram for the 47 inch John Deere snowblower?

You can find the parts diagram in the John Deere official service manual or on the John Deere website under the parts section.

## **What should I do if I need to replace the auger on my 47 inch John Deere snowblower?**

Refer to the parts diagram to identify the correct part number, and follow the manufacturer's instructions for replacement.

## **Are there any common issues with the 47 inch John Deere snowblower?**

Common issues include clogged chutes, worn auger blades, and malfunctioning drive belts.

## **Can I use non-John Deere parts for my 47 inch snowblower?**

While some non-John Deere parts may fit, it is recommended to use OEM parts for better performance and reliability.

## **How do I troubleshoot a snowblower that won't start?**

Check the fuel, spark plug, and battery connections, and refer to the parts diagram to identify any faulty components.

## **What are the maintenance tips for the 47 inch John Deere snowblower?**

Regularly check oil levels, inspect belts and cables, lubricate moving parts, and clean the auger and chute after each use.

## **Is there a specific oil type recommended for the 47 inch John Deere snowblower?**

Yes, John Deere recommends using their branded oil or a high-quality synthetic oil suitable for small engines.

## **What safety precautions should I take when operating a snowblower?**

Always wear protective gear, keep hands and feet away from moving parts, and never clear a clog with the engine running.

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