

john deere 71 planter parts diagram

john deere 71 planter parts diagram is your essential guide to understanding and maintaining this iconic piece of agricultural equipment. Whether you're a seasoned farmer or a new owner, knowing the specific components of your John Deere 71 planter is crucial for efficient operation, timely repairs, and maximizing its lifespan. This article will delve deep into the various sections of the 71 planter, providing detailed descriptions of each part and its function, making it easier for you to locate the correct **John Deere 71 planter parts** when needed. We will explore everything from the furrow opener and seed hopper to the drive chains and depth bands, ensuring you have a comprehensive understanding of your planter's anatomy. With a focus on clarity and accuracy, this guide aims to be the definitive resource for anyone seeking information on the **John Deere 71 planter parts diagram**.

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Understanding the John Deere 71 Planter Frame and Main Components

The backbone of any planting operation is the planter frame, and for the John Deere 71 planter, this robust structure is designed for durability and consistent performance. The frame supports all the other vital components, ensuring they remain aligned and functional during operation. Key to this assembly are the toolbar and the hitch, which connects the planter to the tractor. Different configurations of the John Deere 71 planter might feature varying frame widths and configurations, allowing for different planting widths and row spacing. Understanding the integrity of the frame is the first step in diagnosing any issues or planning for maintenance. A well-maintained frame ensures that all subsequent parts function as intended, preventing uneven seed placement or mechanical stress.

The John Deere 71 Planter Toolbar

The toolbar is the primary structural element of the John Deere 71 planter. It's a heavy-duty beam or series of beams that carry the individual planter units. The spacing of these units along the toolbar determines the row spacing of your crop. Each planter unit is mounted directly to the toolbar, ensuring a stable platform for the seed metering and placement mechanisms. When looking at a **John Deere 71 planter parts diagram**, you'll see how the toolbar acts as the central spine, to which everything else attaches. The quality and straightness of the toolbar are critical for accurate planting depth and consistent row spacing, directly impacting crop uniformity and yield.

John Deere 71 Planter Hitch Assembly

The hitch assembly is responsible for securely connecting the John Deere 71 planter to the tractor's three-point hitch system. This connection allows the tractor to lift, lower, and transport the planter. The hitch is designed to handle the weight and stresses of the planter while allowing for smooth and controlled movement across the field. Different hitch types may be available depending on the specific model and tractor compatibility. Ensuring the hitch pins and linkages are in good condition is vital for safe operation and preventing damage to both the planter and the tractor during transport and fieldwork. A properly functioning hitch is a crucial part of the overall **John Deere 71 planter parts diagram**, as it dictates how the planter interacts with the towing vehicle.

Key Parts of the John Deere 71 Planter Seed Hopper and Metering System

The heart of the John Deere 71 planter lies in its seed hopper and metering system. This is where seeds are stored and precisely dispensed, one by one, into the ground. Understanding these intricate parts is essential for achieving accurate seed populations and maximizing your planting efficiency. The seed hopper holds the seeds, while the metering unit, often a rotary or plate-type mechanism, controls the rate at which seeds are dropped. Different seed types and sizes will require specific metering components, making knowledge of available **John Deere 71 planter parts** for this system invaluable.

John Deere 71 Planter Seed Hopper and Lid

The seed hopper is the reservoir for your seeds. It's typically a durable plastic or metal container designed to hold a significant volume of seed. The hopper lid secures the seeds, preventing them from spilling out during transport or operation, and protecting them from moisture and debris. The shape and design of the hopper ensure that seeds flow freely and consistently to the metering unit. The condition of the hopper and its lid can impact seed flow and can be a source of frustration if not properly maintained. Replacement hoppers

and lids are common **John Deere 71 planter parts** that farmers frequently seek.

John Deere 71 Planter Seed Metering Components

The seed metering mechanism is where the magic of precision planting happens. For the John Deere 71 planter, this typically involves a seed plate with precisely sized holes that match the seed you are planting. As the planter moves, the seed plate rotates, picking up one seed in each hole and dropping it into the seed tube. Essential components within this system include the seed plate itself, the seed drop tube, and often a brush or knockout wheel to ensure only one seed is dropped per hole. Different seed plates are available for various seed types, such as corn, soybeans, and sorghum. Understanding which seed plate to use and ensuring all parts of the metering system are clean and functioning correctly are critical for achieving the desired plant population. Parts like seed plates, brushes, and bearings are frequently replaced and are key items when referencing a **John Deere 71 planter parts diagram**.

John Deere 71 Planter Seed Tubes

The seed tube guides the seed from the metering unit down to the soil. These tubes are designed to ensure the seed travels a consistent path, minimizing bounce and ensuring it lands gently in the furrow. The length and angle of the seed tube are important for accurate seed drop depth. Wear and tear on seed tubes can lead to inconsistent seed placement, so regular inspection and replacement are often necessary. When consulting a **John Deere 71 planter parts diagram**, pay close attention to the seed tube and its mounting to the planter unit.

Essential John Deere 71 Planter Drive System and Ground Engagement Parts

The drive system of the John Deere 71 planter is responsible for translating the tractor's movement into the operation of the seed metering components. This ensures that the rate of seed delivery is directly proportional to the ground speed. The ground engagement parts, such as the furrow openers and closing wheels, are responsible for creating the seed furrow and covering the seed after it's placed. Proper functioning of these parts is crucial for seed-to-soil contact and successful germination.

John Deere 71 Planter Drive Sprockets and Chains

The drive system typically utilizes a series of sprockets and chains to connect the planter's drive wheel (or sometimes the tractor's PTO) to the seed metering units. The size and number of teeth on these sprockets determine the gear ratio, which dictates how fast the

seed metering mechanism turns relative to the ground speed. Keeping these chains lubricated and ensuring the sprockets are not worn is vital for maintaining accurate seed rates. A broken or stretched chain can lead to significant planting errors. When you need to replace these, locating the correct **John Deere 71 planter parts** for the drive train is paramount.

John Deere 71 Planter Drive Wheel

The drive wheel, often a large, durable tire, is in direct contact with the soil. As the planter moves forward, this wheel rotates, and this rotation is transferred through the chain and sprocket system to the seed meters. The condition of the drive wheel tire is important; a worn or damaged tire can lead to inconsistent rotation and inaccurate seed metering. Ensuring the wheel is properly aligned and that its bearings are in good condition will contribute to the overall accuracy of the planter. The drive wheel is a fundamental component you'll find detailed in any **John Deere 71 planter parts diagram**.

John Deere 71 Planter Furrow Openers

Furrow openers are responsible for creating a consistent furrow in the soil where the seed will be dropped. For the John Deere 71 planter, these are typically single or double disc openers. The angle and depth at which these openers cut into the soil directly influence seed placement depth. The condition of the discs, particularly their sharpness and wear, is critical. Dull or worn furrow openers can create an uneven furrow, affecting seed depth and potentially hindering germination. Replacement discs are essential **John Deere 71 planter parts** that require regular attention.

John Deere 71 Planter Gauge Wheels

Gauge wheels are mounted alongside the furrow openers. Their primary function is to control the planting depth. As the furrow openers cut into the soil, the gauge wheels run along the surface, ensuring that the furrow openers penetrate to a consistent depth, regardless of minor undulations in the field. They prevent the openers from digging too deep or not deep enough. The tires on gauge wheels should be in good condition and properly inflated. Different sizes and types of gauge wheels are available as **John Deere 71 planter parts** to suit various soil conditions.

Common John Deere 71 Planter Parts for Depth Control and Finishing

Beyond creating the furrow, the John Deere 71 planter incorporates mechanisms for

accurate depth control and effective seed covering. These "finishing" components ensure that the seed is properly placed in the soil and then protected for optimal germination. Understanding these parts is key to achieving a uniform stand of crops.

John Deere 71 Planter Depth Bands

Depth bands are small, often metal, components attached to the furrow openers. They are designed to limit the penetration of the furrow openers into the soil, thereby setting the planting depth. By adjusting the position of the depth bands relative to the furrow openers, operators can precisely control how deep the seed is planted. Different settings on the depth bands allow for planting at various depths to suit different crops and soil conditions. These are critical **John Deere 71 planter parts** for achieving consistent seed placement depth.

John Deere 71 Planter Closing Wheels

Once the seed is dropped into the furrow, closing wheels are responsible for pushing soil back into the furrow, covering the seed. These are typically two wheels set at an angle that converge to close the furrow. Their effectiveness in covering the seed properly is vital for ensuring good seed-to-soil contact and protecting the seed from drying out or being eaten by birds. The pressure applied by the closing wheels can often be adjusted. Worn closing wheel tires or bearings will impact their ability to effectively close the furrow, making them important **John Deere 71 planter parts** to monitor.

Finding and Identifying Your John Deere 71 Planter Parts

Locating the correct **John Deere 71 planter parts** can sometimes be a challenge, but with the right approach, it becomes much simpler. Having access to a detailed **John Deere 71 planter parts diagram** is the most effective way to identify specific components. These diagrams are typically found in the operator's manual or can be sourced from John Deere dealerships or reputable agricultural parts suppliers.

Utilizing a John Deere 71 Planter Parts Diagram

A **John Deere 71 planter parts diagram** is an illustrated guide that breaks down the entire planter into individual assemblies and then into specific parts. Each part is usually assigned a unique part number. This visual reference is invaluable when you need to order a replacement part. By comparing the worn or broken part on your planter to the illustrations in the diagram, you can confidently identify the correct part number, ensuring you order the right component for your 71 planter. These diagrams are a cornerstone for

any maintenance or repair work.

Sourcing Replacement John Deere 71 Planter Parts

Once you have identified the specific **John Deere 71 planter parts** you need, the next step is to source them. John Deere dealerships are an excellent source for genuine OEM parts. Additionally, many independent agricultural parts suppliers and online retailers specialize in providing replacement parts for John Deere planters, including the 71 model. When purchasing, always ensure you are buying from a reputable source to guarantee the quality and fit of the parts. Having the part number from your **John Deere 71 planter parts diagram** readily available will expedite the ordering process and ensure you get the correct components for your planter.

Frequently Asked Questions

What are the most commonly sought-after John Deere 71 planter parts for routine maintenance?

The most commonly sought-after parts for routine maintenance on a John Deere 71 planter often include seed meter discs, seed tubes, furrow openers (blades), gauge wheels, drive chains, and clutch/sprocket assemblies. These components are crucial for consistent planting depth, seed singulation, and power transmission.

Where can I find a reliable John Deere 71 planter parts diagram online?

Reliable John Deere 71 planter parts diagrams can typically be found on official John Deere parts websites (often requiring a login or model search), reputable agricultural equipment parts suppliers (e.g., AgriOnline, TractorsParts.com), and sometimes through enthusiast forums or YouTube channels dedicated to vintage John Deere equipment.

What is the function of the seed meter disc in a John Deere 71 planter, and what are common issues that require replacement?

The seed meter disc is responsible for singulating seeds, ensuring only one seed is dropped per cell as it rotates. Common issues requiring replacement include worn-out cells, cracked discs, or those with drilled holes that are too large or damaged, leading to inconsistent planting rates or doubles/skips.

How do I identify the correct part number for a specific

John Deere 71 planter component using a diagram?

To identify the correct part number, locate the component on the parts diagram. Each part is usually assigned a unique number or code. Cross-reference this number with the accompanying parts list or description provided with the diagram. If unsure, consult the diagram's reference key or a dealer.

Are there aftermarket parts available for the John Deere 71 planter, and how do they compare to OEM parts?

Yes, aftermarket parts are widely available for the John Deere 71 planter. They can be a more budget-friendly option. While many aftermarket parts are of good quality, it's advisable to research reputable manufacturers and read reviews, as OEM parts are generally manufactured to stricter specifications and may offer better longevity and compatibility.

What are the key components of the drive system for a John Deere 71 planter as shown in a parts diagram?

The drive system of a John Deere 71 planter typically includes a drive wheel, a gearbox or chain and sprocket system, and linkages to the seed meters. A parts diagram will illustrate the arrangement of sprockets, chains, shafts, bearings, and drive wheels, highlighting how power is transferred to the seed metering units.

How can a parts diagram help in troubleshooting common planting issues with a John Deere 71 planter?

A parts diagram is invaluable for troubleshooting. For example, if you're experiencing seed skips, you can use the diagram to inspect the seed meter disc, seed tube, and any associated sensors or mechanisms. It helps visualize the flow of seeds and identify potential blockages or worn components in the planting unit.

What are the main components of the furrow opener assembly on a John Deere 71 planter, and what wear items are typically found in a diagram?

The furrow opener assembly on a John Deere 71 planter primarily consists of the opener blades (discs), their support arms, and associated bearings and seals. Wear items commonly shown in diagrams include the furrow opener blades themselves, which wear down with use, and the bearings that allow them to rotate smoothly.

Are there specific diagrams available for different configurations or variations of the John Deere 71 planter?

Yes, John Deere often produced variations or had optional configurations for their

planters. Parts diagrams may be specific to certain serial number ranges or feature sets. When searching for a diagram, it's helpful to know your planter's serial number or specific features to ensure you're looking at the correct documentation for your model.

Additional Resources

Here are 9 book titles related to John Deere 71 planter parts diagrams, presented as requested:

1. *John Deere 71 Planter: Illustrated Parts Manual*

This comprehensive manual serves as the definitive guide for identifying and sourcing every component of the John Deere 71 planter. It features detailed exploded-view diagrams, clearly labeling each part with its corresponding number. Essential for maintenance, repair, and restoration, this book ensures you can pinpoint the exact piece you need.

2. *The Complete 71 Planter Restoration Guide*

This book delves into the practical aspects of restoring a John Deere 71 planter, heavily relying on visual aids like parts diagrams. It walks you through disassembly, cleaning, and reassembly, with specific attention paid to the identification of original and replacement parts. Expect clear illustrations that correspond directly to the planter's components.

3. *Understanding Your John Deere 71 Planter: A Technical Overview*

Geared towards owners and operators, this title offers a technical deep dive into the 71 planter's mechanics. While not solely a parts catalog, it integrates parts diagrams to explain how different systems function together. Understanding the relationships between components becomes easier with these visual references.

4. *Antique Planter Parts Identification: Focus on John Deere 71*

This specialized volume concentrates on the identification and sourcing of parts for vintage agricultural equipment, with a significant section dedicated to the John Deere 71 planter. It includes meticulous diagrams that showcase the evolution of parts over different production years. Collectors and those seeking obscure components will find this invaluable.

5. *John Deere 71 Planter: Maintenance and Troubleshooting with Parts Diagrams*

This practical handbook addresses common issues encountered with the 71 planter and provides solutions that often involve specific part replacements. It leverages parts diagrams to visually guide users through diagnostic processes and repair procedures. A must-have for keeping your planter in optimal working condition.

6. *Precision Planting: Components of the John Deere 71 Planter*

This book examines the precise engineering and individual components that contribute to the 71 planter's planting accuracy. It utilizes detailed diagrams to illustrate the function of each part within the planting mechanism. Owners interested in the intricacies of seed placement will appreciate the focus on specific assemblies.

7. *From the Field to the Shop: Servicing the John Deere 71 Planter*

This guide covers the entire lifecycle of maintaining and servicing a 71 planter, from pre-season checks to post-harvest care. Crucially, it integrates parts diagrams to facilitate the

identification and ordering of necessary replacements for various service tasks. It's a practical resource for both home mechanics and professional agricultural technicians.

8. *John Deere 71 Planter: A Visual Field Guide to Parts*

This title is designed for quick reference in the field or workshop, offering clear, easy-to-understand visual representations of all 71 planter parts. The book prioritizes the legibility and accuracy of its diagrams, making part identification swift and straightforward. It's an indispensable tool for anyone working hands-on with the planter.

9. *The Collector's Guide to John Deere 71 Planter Parts and Variations*

For enthusiasts and collectors, this book explores the nuances and variations in parts used throughout the 71 planter's production history. It includes comprehensive diagrams that highlight these differences, helping collectors authenticate and restore their machines accurately. It's a treasure trove of detailed information for serious collectors.

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