

craftsman 247 mower parts diagram

craftsman 247 mower parts diagram is an essential resource for anyone looking to maintain, repair, or upgrade their Craftsman 247 mower. Understanding the detailed parts diagram helps users identify the exact components, their placement, and how they interconnect within the mower. This knowledge is crucial for troubleshooting mechanical problems, ordering the correct replacement parts, and performing routine maintenance efficiently. The Craftsman 247 series is known for its reliability and durability, but like any mechanical equipment, it requires occasional servicing. Accessing a precise parts diagram ensures that repairs are done correctly, avoiding unnecessary expenses and downtime. This article will provide an in-depth overview of the Craftsman 247 mower parts diagram, including its key components, how to interpret the diagram, and tips for sourcing genuine parts. Below is a table of contents that outlines the main sections covered in this article.

- Overview of the Craftsman 247 Mower Parts Diagram
- Key Components Featured in the Diagram
- How to Read and Use the Parts Diagram Effectively
- Common Replacement Parts and Their Functions
- Where to Find Genuine Craftsman 247 Mower Parts

Overview of the Craftsman 247 Mower Parts Diagram

The Craftsman 247 mower parts diagram is a detailed schematic representation that displays all the individual parts of the mower and their relative positions. This diagram is typically provided by the manufacturer and can be found in the user manual or through official parts websites. It serves as a visual guide for both professional mechanics and DIY enthusiasts who want to understand the mower's assembly. The diagram breaks down the mower into sections such as the engine, cutting deck, transmission, and control systems. Each part is labeled with a reference number that corresponds to a parts list, making it easier to identify specific components for repair or replacement. The comprehensive nature of the diagram ensures that even complex assemblies are easier to comprehend and disassemble.

Purpose of the Parts Diagram

The primary purpose of the Craftsman 247 mower parts diagram is to facilitate maintenance and repair tasks. It helps users:

- Identify exact part names and part numbers
- Understand the assembly order of components
- Locate worn or damaged parts quickly

- Ensure proper reassembly after disassembly
- Order the correct replacement parts without confusion

Format and Availability

Parts diagrams are usually presented in exploded view format, showing parts separated but aligned to illustrate their relationship within the mower. This format helps visualize how parts fit together. Most Craftsman 247 mower parts diagrams are available in PDF format or as printed manuals. Some retailers and repair services also provide interactive digital diagrams for easier navigation.

Key Components Featured in the Diagram

The Craftsman 247 mower parts diagram highlights several critical components that are essential to the mower's operation. Each component plays a significant role in ensuring efficient cutting performance and overall mower functionality.

Engine Assembly

The engine is the heart of the Craftsman 247 mower, providing the power needed to operate the cutting blade and drive the mower forward. The parts diagram details the engine block, carburetor, air filter, spark plug, fuel tank, and starter mechanism. Understanding the engine layout aids in diagnosing starting problems or engine performance issues.

Cutting Deck and Blade System

The cutting deck houses the blades that trim the grass. The diagram shows the deck shell, blades, spindles, pulleys, and belts. It also includes components such as blade adapters and washers. Knowing the exact placement of these parts helps with blade replacement and deck cleaning.

Transmission and Drive Components

The mower's transmission system controls its movement, especially in self-propelled models. This section of the diagram includes the drive shaft, transmission gear, wheel hubs, and belts. Proper maintenance of these parts ensures smooth operation and prevents premature wear.

Control and Safety Mechanisms

Control levers, throttle controls, brake systems, and safety switches are also depicted in the diagram. These components are critical for safe operation and user control. Familiarity with these parts assists in troubleshooting issues related to mower responsiveness and safety compliance.

How to Read and Use the Parts Diagram Effectively

Interpreting the Craftsman 247 mower parts diagram correctly is vital for effective mower maintenance and repair. The diagram uses labels and numbers to identify parts, which correspond to a comprehensive parts list or legend. Understanding this system is key to locating and identifying

components accurately.

Step-by-Step Guide to Reading the Diagram

1. Identify the section of the mower you are working on (engine, deck, transmission, etc.).
2. Locate the corresponding exploded view in the parts diagram.
3. Find the part in question by examining the detailed illustrations.
4. Note the reference number assigned to the part.
5. Consult the parts list to find the official part name and number.
6. Use this information to order replacements or verify part compatibility.

Tips for Effective Use

When using the parts diagram, keep the following tips in mind:

- Use a highlighter or notes to mark parts that need replacement.
- Cross-reference the diagram with the mower's model number to ensure compatibility.
- Keep the diagram accessible during disassembly and reassembly.
- Refer to the manufacturer's service manual for torque specifications and assembly instructions.

Common Replacement Parts and Their Functions

The Craftsman 247 mower parts diagram helps identify common replacement parts that often require servicing due to wear or damage. Understanding these parts and their functions assists in maintaining peak mower performance.

Blades and Blade Adapters

Blades are subject to wear and damage from regular use. The diagram shows the size and type of blades compatible with the mower. Blade adapters and fasteners are also included, which secure the blades to the spindle.

Belts and Pulleys

Belts drive the blade and transmission systems. Over time, belts can stretch or crack, reducing efficiency. Pulleys guide and tension the belts, ensuring smooth operation. Replacing worn belts and

pulleys is crucial for mower reliability.

Air Filters and Spark Plugs

Air filters prevent dirt from entering the engine, while spark plugs ignite the fuel-air mixture. Both parts require periodic replacement to maintain engine performance and fuel efficiency.

Wheels and Tires

The mower's wheels and tires support mobility and stability. The parts diagram includes wheel hubs, tires, and axle components. Replacing damaged tires or worn wheels improves maneuverability and safety.

Where to Find Genuine Craftsman 247 Mower Parts

Using genuine replacement parts ensures compatibility, longevity, and optimal mower performance. The Craftsman 247 mower parts diagram aids in ordering the correct components, but sourcing these parts from reliable suppliers is equally important.

Authorized Dealers and Service Centers

Authorized Craftsman dealers and service centers stock genuine parts specifically designed for the 247 mower series. Purchasing from these sources guarantees authenticity and access to expert advice.

Official Manufacturer Websites

Craftsman's official online platforms provide access to parts catalogs and ordering services. These websites often feature detailed diagrams and part numbers, simplifying the ordering process.

Reputable Online Retailers

Several trusted online retailers specialize in lawn mower parts, including those for Craftsman models. When buying online, ensure the seller offers genuine parts and check customer reviews for reliability.

Local Hardware and Lawn Equipment Stores

Many local stores carry common replacement parts for Craftsman mowers. While they may not have the full range of parts, they can be convenient for urgent replacements like belts, blades, and filters.

- Verify part numbers against the diagram before purchase.
- Keep your mower's model and serial numbers handy to confirm compatibility.
- Consult product manuals or experts if unsure about specific parts.

Frequently Asked Questions

Where can I find a Craftsman 247 mower parts diagram?

You can find a Craftsman 247 mower parts diagram on the official Sears PartsDirect website or in the user manual that came with your mower. Many third-party websites also offer downloadable diagrams.

How do I identify the parts in the Craftsman 247 mower parts diagram?

Parts in the Craftsman 247 mower parts diagram are usually labeled with part numbers and names. Refer to the legend or key provided in the diagram to identify each component accurately.

Can I order replacement parts using the Craftsman 247 mower parts diagram?

Yes, the parts diagram includes part numbers that you can use to order replacements either through Sears PartsDirect, authorized dealers, or online marketplaces.

Is the Craftsman 247 mower parts diagram available for free?

Yes, many websites, including the official Sears PartsDirect site, offer free access to Craftsman 247 mower parts diagrams to help you identify and order parts.

How detailed is the Craftsman 247 mower parts diagram?

The diagram is typically very detailed, showing exploded views of the mower components such as the engine, deck, wheels, blades, and controls, making it easier to understand assembly and repair.

Are Craftsman 247 mower parts diagrams the same for all models?

No, parts diagrams can vary slightly depending on the specific model number and year of manufacture of your Craftsman 247 mower. Always check the exact model number when searching for diagrams.

Can I use the Craftsman 247 mower parts diagram to repair my mower?

Yes, the parts diagram is a useful tool for identifying parts and understanding how they fit together, which can assist in performing repairs and maintenance on your mower.

Where else can I find Craftsman 247 mower parts diagrams

besides the official site?

Besides the official site, you can find parts diagrams on websites like RepairClinic, PartSelect, and various forums or YouTube repair guides focused on Craftsman mowers.

What should I do if a part shown in the Craftsman 247 mower parts diagram is discontinued?

If a part is discontinued, check for compatible aftermarket parts, consider used parts from salvage yards, or contact Sears customer support for possible alternatives or repair options.

Additional Resources

1. The Ultimate Guide to Craftsman 247 Mower Parts and Maintenance

This comprehensive manual offers detailed diagrams and explanations for every part of the Craftsman 247 mower. It helps users identify components, understand their functions, and perform routine maintenance. Perfect for DIY enthusiasts aiming to extend the life of their mower.

2. Craftsman Lawn Mower Repair and Parts Illustrated

With clear illustrations and step-by-step instructions, this book simplifies the process of repairing and replacing parts on Craftsman lawn mowers, including the 247 model. It covers common issues and troubleshooting tips to keep your mower running smoothly.

3. Diagrams and Schematics for Small Engine Lawn Mowers

This book includes detailed diagrams for a variety of small engine mowers, with a focus on Craftsman models like the 247. It helps readers understand the mechanical layout and aids in diagnosing problems without professional help.

4. DIY Craftsman Mower Parts Replacement Handbook

Focused on do-it-yourself repairs, this handbook guides users through identifying, sourcing, and installing replacement parts for Craftsman mowers. The 247 model is featured prominently, with tips on avoiding common mistakes during repairs.

5. Small Engine Repair: Craftsman Mower Edition

A practical guide tailored to the engines used in Craftsman mowers, this book covers troubleshooting, parts diagrams, and repair techniques. It is an essential resource for maintaining the engine health of the Craftsman 247 mower.

6. Craftsman 247 Mower Parts Catalog and Repair Guide

This catalog-style book provides an exhaustive list of all parts associated with the Craftsman 247 mower, complete with exploded diagrams. It serves as both a parts reference and a repair guide, making it ideal for parts ordering and assembly.

7. Mastering Lawn Mower Mechanics: Craftsman 247 Focus

Designed for hobbyists and mechanics alike, this book delves into the mechanical workings of the Craftsman 247 mower. It includes detailed parts diagrams and explains how each component contributes to overall mower performance.

8. The Essential Craftsman 247 Mower Troubleshooting Manual

This manual specializes in diagnosing and fixing issues specific to the Craftsman 247 mower. It uses parts diagrams to illustrate common problem areas and offers practical solutions to get your mower back in working order.

9. Maintaining and Repairing Craftsman Lawn Mowers: Parts and Diagrams

Covering a range of Craftsman mower models with an emphasis on the 247, this book provides detailed parts diagrams alongside maintenance schedules and repair instructions. It is a valuable tool for anyone looking to keep their mower in peak condition.

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