

stihl ts 700 parts diagram

stihl ts 700 parts diagram is an essential resource for anyone involved in the maintenance, repair, or restoration of this powerful concrete saw. The Stihl TS 700 is a professional-grade cut-off saw widely used in construction and demolition due to its robust engine and reliable performance. Understanding the parts diagram helps users identify each component, facilitating easier troubleshooting and part replacement. This article provides a detailed overview of the various sections and components represented in the Stihl TS 700 parts diagram, highlighting key assemblies and their functions. Additionally, it covers tips for interpreting the diagram, sourcing genuine parts, and maintaining the saw for optimal performance. Whether you are a professional technician or a DIY enthusiast, this comprehensive guide will enhance your understanding of the Stihl TS 700's internal and external parts layout.

- Overview of the Stihl TS 700 Parts Diagram
- Key Components in the Stihl TS 700 Parts Diagram
- How to Read and Use the Stihl TS 700 Parts Diagram
- Sourcing Genuine Stihl TS 700 Replacement Parts
- Maintenance Tips Based on the Parts Diagram

Overview of the Stihl TS 700 Parts Diagram

The Stihl TS 700 parts diagram is a detailed schematic representation of the saw's components, illustrating how each part fits together within the machine. This diagram serves as a visual aid for identifying parts by their shape, position, and part number, which can be crucial when ordering replacements or performing repairs. The diagram typically includes exploded views that separate assemblies, such as the engine, cutting system, fuel system, and handle assembly. Each part is labeled with a unique identifier that corresponds to a list of part names and numbers. This structured layout not only simplifies the identification process but also helps users understand the mechanical relationships between components.

Key Components in the Stihl TS 700 Parts Diagram

The Stihl TS 700 parts diagram breaks down the saw into several key assemblies, each consisting of multiple parts. Understanding these major components is vital for effective maintenance and repair.

Engine Assembly

The engine assembly is the heart of the Stihl TS 700, responsible for powering the saw blade. The parts diagram illustrates the cylinder, piston, crankshaft, carburetor, ignition system, and muffler.

Each of these components has a specific function, from fuel combustion to exhaust management.

Cutting System

The cutting system includes the saw blade, blade guard, flange, and drive shaft. The diagram details how the blade attaches to the drive shaft and the protective features designed to ensure user safety and efficient cutting performance.

Fuel and Air System

This section covers the fuel tank, fuel lines, air filter, and carburetor. The parts diagram shows the routing of fuel and air for optimal engine operation, highlighting critical seals and gaskets that prevent leaks and maintain pressure.

Handle and Control Assembly

The handle and control assembly includes the throttle trigger, throttle lockout, starter handle, and various levers and cables. The diagram clarifies the connection of these controls to the engine and cutting system, emphasizing ergonomic design and user safety.

Drive and Cooling Systems

The drive system transfers power from the engine to the blade, while the cooling system prevents overheating. The diagram identifies components such as the centrifugal clutch, cooling fan, and associated housings, illustrating their placement and interconnection.

- Cylinder and piston
- Carburetor and air filter
- Drive shaft and blade flange
- Throttle trigger and starter assembly
- Cooling fan and clutch components

How to Read and Use the Stihl TS 700 Parts Diagram

Reading the Stihl TS 700 parts diagram requires familiarity with exploded views and part numbering systems. The diagram is organized to display components in relation to their assemblies and functional groups.

Understanding Exploded Views

An exploded view separates parts of an assembly to show the order of assembly and the relationship between components. In the Stihl TS 700 parts diagram, each part is spaced out but aligned to indicate how it fits with adjacent parts. This visualization helps users disassemble and reassemble the saw correctly.

Part Numbers and Identification

Each component in the diagram is assigned a unique part number. These numbers correspond to a parts list that provides the official names and specifications of the parts. Using these numbers ensures the correct ordering of replacements and avoids confusion with similar components.

Using the Diagram for Repairs and Maintenance

Technicians and users can reference the parts diagram to diagnose problems by identifying worn or damaged parts. The diagram also aids in verifying that all components are properly installed during maintenance or repair. It is advisable to keep a copy of the diagram accessible during any mechanical work on the Stihl TS 700.

Sourcing Genuine Stihl TS 700 Replacement Parts

Using genuine parts is critical to maintaining the performance and safety of the Stihl TS 700. The parts diagram assists in selecting the exact components needed for replacement, reducing the risk of compatibility issues.

Authorized Dealers and Distributors

Genuine Stihl TS 700 parts are available through authorized dealers and distributors. The parts diagram's numbers can be used to verify and order the correct parts from these sources, ensuring quality and warranty compliance.

Online Parts Catalogs

Many official and reputable online platforms provide access to Stihl parts catalogs that include the TS 700 parts diagram. These resources enable users to cross-reference part numbers and descriptions before making purchases.

Avoiding Counterfeit Parts

The parts diagram helps users distinguish genuine parts from counterfeit ones by providing detailed specifications and part numbers. Using counterfeit parts can lead to poor performance, increased wear, and potential safety hazards.

Maintenance Tips Based on the Parts Diagram

Proper maintenance of the Stihl TS 700 relies heavily on knowledge of its parts and their functions. The parts diagram is an invaluable tool for routine upkeep and troubleshooting.

Regular Inspection of Wear Parts

Components such as the saw blade, drive shaft, and clutch are subject to wear. The parts diagram helps identify these parts so they can be inspected regularly and replaced as necessary to maintain cutting efficiency and safety.

Cleaning and Lubrication

The diagram highlights areas that require periodic cleaning and lubrication, such as the carburetor, air filter, and drive assembly. Proper care in these areas prolongs the lifespan of the saw and prevents breakdowns.

Proper Assembly and Reassembly

When servicing the saw, the parts diagram ensures correct reassembly, preventing operational issues caused by misaligned or missing components. Following the diagram's guidance maintains the integrity of the saw's structure and function.

1. Inspect blade and drive components regularly
2. Clean air filter and carburetor as shown in the diagram
3. Lubricate moving parts to reduce friction and wear
4. Use the diagram for correct part alignment during reassembly
5. Replace worn parts promptly with genuine components

Frequently Asked Questions

Where can I find a parts diagram for the Stihl TS 700 cutoff saw?

You can find the parts diagram for the Stihl TS 700 on the official Stihl website under the 'Parts & Service' section or through authorized Stihl dealers' online resources.

What are the main components shown in the Stihl TS 700 parts diagram?

The main components include the engine, cutting wheel, guard, handle, throttle trigger, fuel tank, air filter, and various internal engine parts such as the piston and cylinder.

How can the parts diagram help in repairing my Stihl TS 700?

The parts diagram provides a detailed exploded view of the saw, showing the location and relationship of each part, which helps in identifying, ordering, and correctly assembling replacement parts during repairs.

Is there a downloadable PDF version of the Stihl TS 700 parts diagram available?

Yes, many authorized Stihl dealers and the official Stihl website offer downloadable PDF versions of the TS 700 parts diagram for easier reference offline.

Can I use the Stihl TS 700 parts diagram to order replacement parts online?

Absolutely, the parts diagram includes part numbers that you can use to order the exact replacement parts from online retailers or Stihl authorized distributors.

Are the parts diagrams for Stihl TS 700 and TS 800 similar?

While the TS 700 and TS 800 share some common components, their parts diagrams differ due to variations in design and specifications, so it's important to refer to the correct model's diagram.

What should I check in the parts diagram before replacing the cutting wheel on Stihl TS 700?

Review the diagram to identify the correct cutting wheel size, mounting hardware, and the positioning of the guard and flange to ensure proper installation and safety.

Does the Stihl TS 700 parts diagram include small components like springs and screws?

Yes, the exploded parts diagram is very detailed and includes small components such as springs, screws, washers, and other fasteners necessary for proper assembly.

How often is the Stihl TS 700 parts diagram updated?

The parts diagram is typically updated when there are changes or improvements in the model or parts, but for most models like the TS 700, it remains consistent throughout the product's lifecycle.

Can I use the Stihl TS 700 parts diagram to perform routine maintenance?

Yes, the parts diagram helps identify parts that require routine maintenance or replacement, such as air filters, spark plugs, and fuel filters, making maintenance tasks more straightforward.

Additional Resources

1. *Stihl TS 700 Parts Manual: A Comprehensive Guide*

This manual provides detailed diagrams and descriptions of every component of the Stihl TS 700 cut-off saw. It is an essential resource for users looking to understand, maintain, or repair their equipment. Clear illustrations help identify parts quickly, making it ideal for both professionals and DIY enthusiasts.

2. *Understanding Stihl Power Tools: TS 700 and More*

This book covers a broad range of Stihl power tools, with a special focus on the TS 700 model. It includes parts diagrams, troubleshooting tips, and maintenance advice. The detailed explanations help users extend the life of their equipment and improve operational efficiency.

3. *Repair and Maintenance of Stihl TS 700 Cut-Off Saws*

Focused specifically on the TS 700, this guide delves into common issues, parts replacement, and routine maintenance procedures. It provides step-by-step instructions supported by detailed parts diagrams. This book is perfect for technicians and serious hobbyists alike.

4. *Stihl TS 700 Illustrated Parts Breakdown*

Featuring exploded diagrams and part lists, this book makes it easy to identify and order replacement parts for the TS 700. Each section is organized by system, such as the engine, cutting assembly, and fuel system. The illustrations are clear and precise, aiding in quick repairs.

5. *The Complete Stihl TS 700 Service Handbook*

This comprehensive service handbook covers everything from basic maintenance to in-depth repairs. It includes detailed parts diagrams, torque specifications, and safety tips. The book is designed to help users keep their TS 700 running at peak performance.

6. *Stihl TS 700 Parts Identification and Ordering Guide*

Ideal for parts managers and service professionals, this guide assists in identifying exact part numbers and understanding the compatibility of components. It includes diagrams and cross-references to help simplify the parts ordering process. This book reduces downtime by ensuring the right parts are sourced quickly.

7. *Mastering Stihl TS 700: Parts, Maintenance, and Repair*

This book serves as a thorough tutorial on the inner workings of the Stihl TS 700, including detailed parts diagrams and maintenance schedules. It also covers advanced repair techniques and tips for maximizing tool longevity. A valuable reference for both beginners and experienced users.

8. *Stihl TS 700 Engine and Parts Diagram Reference*

Dedicated to the engine and mechanical parts of the TS 700, this reference book offers detailed exploded views and part descriptions. It helps users understand the function and placement of each component, facilitating accurate repairs and rebuilds. The guide is an excellent aid for professional

mechanics.

9. DIY Guide to Stihl TS 700 Parts and Repairs

A user-friendly guide aimed at hobbyists who want to perform their own repairs on the TS 700. It features clear parts diagrams, simple instructions, and troubleshooting tips to handle common problems. This book encourages confidence in maintaining and repairing your Stihl power tool.

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