

stihl ts700 parts

stihl ts700 parts are essential components for maintaining and repairing the Stihl TS700 cut-off saw, a powerful tool widely used in construction, demolition, and heavy-duty cutting applications. This article offers a comprehensive overview of the most important parts of the Stihl TS700, highlighting their functions, maintenance tips, and replacement guidelines. Understanding these parts is crucial for ensuring optimal performance, safety, and longevity of the saw. Whether you are a professional contractor or a DIY enthusiast, familiarity with Stihl TS700 parts helps in troubleshooting issues and making informed purchasing decisions. This guide also covers common issues and where to find genuine replacement parts. The following sections will delve into the engine components, cutting attachments, safety features, maintenance essentials, and troubleshooting advice.

- Overview of Stihl TS700 Parts
- Engine Components and Their Functions
- Cutting Attachments and Accessories
- Safety Features and Protective Parts
- Maintenance Parts and Consumables
- Common Issues and Replacement Tips

Overview of Stihl TS700 Parts

The Stihl TS700 is a high-performance cut-off saw known for its durability and power. Its design incorporates a variety of precision-engineered parts that work together to deliver efficient cutting capabilities. Understanding the key components of the Stihl TS700 parts lineup is the first step in effective maintenance and repair. These parts range from engine elements and cutting attachments to safety mechanisms and maintenance supplies. Each part is designed to meet stringent quality standards to ensure reliability in demanding work environments. Familiarity with these components not only aids in proper usage but also helps prevent downtime caused by equipment failure.

Key Categories of Stihl TS700 Parts

Stihl TS700 parts can be broadly categorized into several groups, each serving a specific purpose in the operation of the saw. These include the engine assembly, cutting wheels and blades, safety guards, fuel system components, and consumables such as air filters and spark plugs. Identifying these categories simplifies the process of ordering parts and performing repairs.

- Engine components
- Cutting attachments
- Safety and protective parts
- Fuel and air system parts
- Maintenance consumables

Engine Components and Their Functions

The engine is the heart of the Stihl TS700, responsible for powering the cutting wheel with precision and strength. Key engine parts include the piston, cylinder, carburetor, ignition system, and muffler. Each component plays a vital role in ensuring the saw operates efficiently and safely.

Piston and Cylinder Assembly

The piston and cylinder form the combustion chamber where fuel ignition takes place. The piston moves rapidly within the cylinder, converting the energy from fuel combustion into mechanical power. Regular inspection of these parts is crucial for maintaining engine performance and preventing costly repairs.

Carburetor

The carburetor regulates the air-fuel mixture supplied to the engine. A properly functioning carburetor ensures optimal engine efficiency and smooth operation. Cleaning or replacing the carburetor is a common maintenance task for Stihl TS700 parts.

Ignition System

The ignition system includes the spark plug, ignition coil, and flywheel. These parts work together to generate the spark required for fuel combustion. Faulty ignition components can lead to starting difficulties or irregular engine behavior.

Muffler

The muffler reduces engine noise and manages exhaust emissions. Maintaining the muffler in good condition is important for compliance with noise regulations and environmental standards.

Cutting Attachments and Accessories

Cutting attachments are critical Stihl TS700 parts that determine the type of materials the saw can handle. The saw accommodates various cutting wheels and blades designed for concrete, metal, and masonry applications. Choosing the right cutting attachment enhances cutting precision and tool longevity.

Cutting Wheels

Cutting wheels come in different diameters and materials, such as diamond-tipped or abrasive discs. Diamond blades are preferred for cutting concrete and stone due to their durability and efficiency. Abrasive wheels are suitable for metal cutting tasks. Regular inspection for wear and damage is essential.

Arbors and Flanges

These parts secure the cutting wheel to the saw's spindle. Proper installation of arbors and flanges ensures safe and stable operation during cutting. Using the correct size and type is mandatory to prevent wheel wobbling or detachment.

Water Supply Attachments

Some cutting wheels require water to reduce dust and cool the blade. Stihl TS700 parts include water supply adapters that connect to a hose for wet cutting applications, improving safety and blade life.

Safety Features and Protective Parts

Safety is paramount when operating a powerful tool like the Stihl TS700. The saw is equipped with several protective parts designed to minimize injury risks and enhance user control. Familiarity with these components is essential for safe operation.

Safety Guard

The safety guard shields the user from debris and sparks generated during cutting. Regularly inspect the guard for cracks or damage and replace it if compromised to maintain effective protection.

Anti-Vibration System

The anti-vibration system reduces hand-arm vibration levels, improving operator comfort during prolonged use. This system includes specialized mounts and dampers integrated into the saw's design.

Throttle Lockout and Trigger

These controls prevent accidental acceleration of the saw blade. The throttle lockout must be engaged before the trigger activates the engine speed, adding an extra layer of safety.

Maintenance Parts and Consumables

Regular maintenance is vital to sustain optimal performance and extend the lifespan of Stihl TS700 parts. Consumables such as air filters, spark plugs, fuel filters, and lubricants require periodic replacement according to the manufacturer's schedule.

Air Filters

Air filters prevent dust and debris from entering the engine. Dirty or clogged filters reduce engine efficiency and increase wear. Cleaning or replacing the air filter is a routine maintenance task.

Spark Plugs

Spark plugs ignite the fuel mixture in the engine. Over time, they can become fouled or worn, leading to misfires or difficulty starting. Timely replacement ensures consistent engine performance.

Fuel Filters and Lines

Fuel filters trap contaminants in the gasoline, protecting the carburetor and engine. Inspecting and replacing fuel filters and lines prevents blockages and fuel delivery issues.

Lubricants and Grease

Proper lubrication of moving parts reduces friction and wear. Using recommended oils and greases on bearings, gears, and other components is essential for smooth operation and equipment longevity.

Common Issues and Replacement Tips

Despite the robust construction of the Stihl TS700, certain parts are prone to wear or failure due to heavy use. Recognizing common issues early and replacing worn parts promptly can prevent more extensive damage and costly downtime.

Signs of Engine Wear

Symptoms such as reduced power, excessive smoke, or difficulty starting may indicate piston or cylinder wear. Addressing these issues involves inspecting and possibly replacing engine components among the Stihl TS700 parts.

Cutting Wheel Damage

Cracks, chips, or excessive wear on cutting wheels compromise cutting efficiency and safety. Always replace damaged wheels with genuine Stihl parts to maintain performance and safety standards.

Fuel System Problems

Clogged carburetors or fuel filters can cause engine stalling or poor throttle response. Cleaning or replacing these parts is a common repair for Stihl TS700 parts maintenance.

Tips for Sourcing Genuine Parts

Obtaining authentic Stihl TS700 parts ensures compatibility and durability. Always verify part numbers and purchase from authorized dealers or trusted suppliers. Using genuine components helps maintain warranty coverage and machine reliability.

1. Identify the exact part number needed.
2. Consult the Stihl parts catalog or manual.
3. Purchase from authorized Stihl dealers or verified suppliers.
4. Avoid counterfeit or generic parts that may compromise safety.
5. Keep records of part replacements for maintenance tracking.

Frequently Asked Questions

What are the most common replacement parts for the Stihl TS700 cutoff saw?

The most common replacement parts for the Stihl TS700 include the air filter, spark plug, fuel filter, drive belt, cutting blade, and recoil starter assembly.

Where can I buy genuine Stihl TS700 parts?

Genuine Stihl TS700 parts can be purchased from authorized Stihl dealers, the official Stihl website, and reputable online retailers specializing in Stihl equipment.

How often should I replace the air filter on a Stihl TS700?

The air filter on a Stihl TS700 should be checked and cleaned regularly and replaced approximately every 25 hours of use or sooner if it appears damaged or excessively dirty.

Can I use aftermarket parts for my Stihl TS700?

While aftermarket parts are available for the Stihl TS700, it is recommended to use genuine Stihl parts to ensure optimal performance, compatibility, and to maintain warranty coverage.

What type of blade is compatible with the Stihl TS700?

The Stihl TS700 is compatible with diamond cutting blades designed for concrete and abrasive materials, typically with a 14-inch diameter and a 20mm arbor size.

How do I replace the drive belt on a Stihl TS700?

To replace the drive belt on a Stihl TS700, first remove the clutch cover, take off the old belt from the clutch and pulley, then install the new belt ensuring proper tension before reassembling the cover.

Are there upgrade parts available for the Stihl TS700 to improve performance?

Yes, there are upgrade parts such as high-performance air filters, enhanced cutting blades, and aftermarket carburetors that can improve the performance of the Stihl TS700.

What maintenance parts should I keep on hand for my Stihl TS700?

It's advisable to keep spare parts like spark plugs, air filters, fuel filters, drive belts, and cutting blades on hand to ensure quick maintenance and minimize downtime.

Additional Resources

1. Stihl TS700 Parts Manual: Comprehensive Guide

This manual offers an in-depth look at every component of the Stihl TS700. It includes detailed diagrams and part numbers to help users identify and replace parts with ease. Ideal for both beginners and experienced mechanics, this guide ensures proper maintenance and repair procedures.

2. Maintaining Your Stihl TS700: Parts and Service Tips

Focused on routine maintenance, this book highlights crucial parts that require regular checks or replacements. It provides practical advice on extending the life of the TS700 through proper care. Additionally, it covers troubleshooting common part failures and how to prevent them.

3. Stihl TS700 Parts Replacement and Upgrade Guide

This book explores not only OEM parts but also aftermarket upgrades compatible with the TS700. Readers will find step-by-step instructions on replacing worn-out parts and enhancing performance. It's a valuable resource for users looking to improve the efficiency and longevity of their saw.

4. The Complete Stihl TS700 Parts Catalog

An exhaustive catalog that lists every part associated with the Stihl TS700, including part numbers and specifications. The book serves as a quick reference tool for ordering replacements and understanding the saw's construction. It is particularly useful for dealers and repair shops.

5. DIY Repairs for Stihl TS700: Parts Identification and Fixes

This guide is tailored for do-it-yourself enthusiasts who want to learn how to fix their TS700 using the right parts. It breaks down complex repairs into manageable steps, emphasizing the importance of using correct components. The book also includes tips on sourcing genuine Stihl parts.

6. Understanding Stihl TS700 Engine Parts and Functionality

Delving into the engine specifics, this book explains how each part contributes to the saw's performance. It covers common engine parts like pistons, cylinders, and carburetors, providing insights into their maintenance and replacement. Perfect for those interested in the mechanical workings of the TS700.

7. Stihl TS700 Parts Troubleshooting Handbook

Designed to assist users in diagnosing part-related problems, this handbook offers solutions for frequent issues encountered with the TS700. It includes symptoms, potential faulty parts, and repair recommendations. This resource helps minimize downtime by speeding up the troubleshooting process.

8. Upgrading Your Stihl TS700: Parts for Enhanced Performance

This book focuses on high-performance parts and modifications that can boost the TS700's capabilities. It discusses compatible aftermarket components and installation techniques. Readers will learn how to tailor their saw for more demanding tasks while maintaining reliability.

9. Stihl TS700 Parts Safety and Compliance Guide

Safety is paramount when dealing with power tools, and this guide highlights the importance of using proper parts to meet safety standards. It explains how incorrect or damaged parts can pose risks and how to ensure compliance with industry regulations. The book is essential for professional users and safety inspectors alike.

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