

# Jonsered 450 chain saw repair manual

Jonsered 450 Chain Saw Repair Manual If you're a professional logger, a homeowner with a large property, or an avid woodworker, maintaining your tools is essential to ensure optimal performance and safety. The Jonsered 450 chain saw repair manual is an invaluable resource for owners and technicians alike, providing detailed instructions on troubleshooting, maintenance, and repairs specific to this powerful and reliable chainsaw model. In this comprehensive guide, we'll explore everything you need to know about the Jonsered 450 chain saw, from its features to essential repair procedures, ensuring your equipment operates smoothly and safely for years to come.

## Introduction to the Jonsered 450 Chain Saw

The Jonsered 450 is a versatile and durable chainsaw designed for both professional and occasional use. Known for its robust performance, lightweight design, and innovative features, this model is popular among arborists, farmers, and DIY enthusiasts. To maximize its lifespan and efficiency, understanding its components and proper maintenance routines is vital. The repair manual serves as an authoritative guide that covers all these aspects in detail.

## Key Features of the Jonsered 450 Chainsaw

Understanding the features of your chainsaw enables better troubleshooting and maintenance. Some key features include:

- Powerful 50.2cc engine capable of handling demanding tasks
- Lightweight design for ease of handling and reduced operator fatigue
- Adjustable automatic chain lubrication system
- Chain brake for enhanced safety during operation
- Vibration dampening system for operator comfort
- Easy access to the air filter and spark plug for maintenance

Having familiarity with these features allows you to better understand the repair procedures outlined in the manual.

## Importance of the Jonsered 450 Chain Saw Repair Manual

A dedicated repair manual offers numerous benefits:

- Step-by-step instructions for troubleshooting common issues
- Detailed diagrams and illustrations for accurate part identification
- Maintenance schedules to prolong the lifespan of your chainsaw
- Safety guidelines to prevent accidents during repair or service
- Specifications and technical data for accurate repairs

Proper utilization of the manual ensures repairs are performed correctly, reducing downtime and repair costs, and maintaining safety standards.

## Common Problems Addressed in the Repair Manual

The Jonsered 450 may encounter various issues over time. The repair manual provides guidance on diagnosing and fixing problems such as:

- Engine Not Starting or Difficult to Start
- Chain Not Lubricating Properly
- Excessive Vibration or Noise
- Chain Brake Malfunction
- Overheating or Loss of Power
- Fuel System Issues (e.g., leaks, clogged carburetor)

Each problem includes diagnostic steps, parts to inspect, and repair procedures.

## Step-by-Step Repair Procedures from the Manual

Below are some common repair procedures detailed in the Jonsered 450 repair manual:

- Replacing the Chain and Guide Bar**  
**Steps:** Ensure the chainsaw is turned off and cooled down. Remove the clutch cover using the appropriate tools. Carefully slide the chain off the guide bar, noting the orientation. Inspect the guide bar for wear or damage; replace if necessary. Install the new chain, ensuring proper tension and direction. Reattach the clutch cover and tighten bolts securely.
- Cleaning or Replacing the Air Filter**  
**Steps:** Remove the air filter cover. Take out the air filter for cleaning or replacement. If cleaning, wash the filter in warm, soapy water and allow it to dry completely. Apply a light coating of filter oil if recommended. Reinstall the filter and cover.
- Spark**

**Plug Inspection and Replacement**Steps: Remove the spark plug using a spark plug socket. Inspect for signs of wear, fouling, or damage. Clean the spark plug with a wire brush if reusable; replace if damaged. Check the electrode gap and adjust according to specifications. Reinstall the spark plug securely.

**4. Troubleshooting Fuel System Issues**Check fuel lines for cracks or clogs. Clean or replace the carburetor if necessary. Replace fuel filter if clogged. Ensure correct fuel mixture (typically 50:1 gas to oil ratio).

**Maintenance Tips from the Repair Manual**Regular maintenance is key to preventing major repairs. The manual emphasizes: Performing routine checks before each use, including chain tension, bar oil level, and air filter condition. Cleaning the chainsaw after each use to remove sawdust and debris. Sharpening the chain regularly for efficient cutting. Replacing worn or damaged parts promptly. Following recommended service intervals for oil changes and engine inspections.

**Where to Find the Jonsered 450 Chain Saw Repair Manual**Official repair manuals are available through Jonsered authorized dealers, the manufacturer's website, or reputable online manuals providers. For best results, always ensure you're using a genuine manual tailored for the Jonsered 450 model to access accurate diagrams, specifications, and instructions.

**Safety Precautions When Performing Repairs**Always prioritize safety when working on your chainsaw. The repair manual advises: Wear protective gloves and eye protection during maintenance and repairs. Disconnect the spark plug to prevent accidental starting. Work in a well-ventilated area away from open flames or sparks. Use appropriate tools and follow manufacturer instructions carefully. Seek professional assistance for complex repairs or if unsure about procedures.

**Conclusion: Maximizing Your Jonsered 450's Performance**The Jonsered 450 chain saw repair manual is an essential resource for maintaining, troubleshooting, and repairing your chainsaw effectively. Regular adherence to maintenance routines, timely repairs, and understanding of the manual's detailed instructions will ensure your chainsaw remains reliable, efficient, and safe to operate. Investing time in learning and applying the guidance from the repair manual not only prolongs the lifespan of your equipment but also enhances your safety and productivity during each use. Whether you're a seasoned professional or a casual user, having this manual at hand will empower you to handle common issues confidently and keep your Jonsered 450 running smoothly for years to come.

**Jonsered 450 Chain Saw Repair Manual: A Comprehensive Guide for Maintenance and Repair**

**Introduction**Jonsered 450 chain saw repair manual serves as an essential resource for professional arborists, homeowners, and maintenance enthusiasts eager to keep their chainsaw in optimal condition. Known for its reliability and power, the Jonsered 450 is a popular choice among users who demand efficiency in cutting, pruning, and forestry tasks. However, like any mechanical tool, it requires periodic maintenance and occasional repairs to ensure safety, performance, and longevity. This article provides an in-depth exploration of the repair manual's key components, maintenance tips, troubleshooting strategies, and practical repair procedures, enabling users to confidently diagnose issues and perform necessary repairs.

**Understanding the Jonsered 450 Chain Saw: An Overview**Before delving into repairs, it's important to understand the core components and

functioning of the Jonsered 450. This knowledge forms the foundation for effective troubleshooting and repair.

### Key Features and Specifications

**Engine Type:** 45.7cc two-stroke engine  
**Power Output:** Approximately 2.2 horsepower  
**Bar Length:** Typically ranges from 16 to 20 inches  
**Weight:** Around 4.8 kg (10.6 lbs)  
**Additional Features:** Anti-vibration system, quick-release chain tensioner, and ergonomic design

### Main Components

**Engine:** The power source, comprising the cylinder, piston, carburetor, and ignition system.  
**Chain and Bar:** Cutting components driven by the engine via the drive sprocket.  
**Lubrication System:** Ensures chain and bar are properly lubricated for smooth operation.  
**Air Filter:** Keeps debris out of the engine for optimal performance.  
**Fuel System:** Includes fuel tank, lines, and carburetor.  
**Ignition System:** Provides spark to ignite the fuel mixture.  
**Handle and Vibration Absorbers:** For user comfort and control.

Understanding these parts allows users to identify which components may be involved during troubleshooting or repair.

### The Importance of a Repair Manual for Jonsered 450

A Jonsered 450 chain saw repair manual is not just a guide; it's a critical tool that provides systematic instructions, safety precautions, specifications, and diagrams necessary for proper maintenance and repair. It helps prevent damage caused by improper handling and ensures repairs are performed efficiently, saving time and reducing costs.

### Benefits of Using the Repair Manual

**Step-by-step Procedures:** Clear instructions for disassembly, inspection, repair, and reassembly.  
**Technical Specifications:** Accurate torque settings, part numbers, and measurement tolerances.  
**Troubleshooting Guides:** Diagnostic charts for common problems.  
**Safety Guidelines:** Precautions to avoid injury during repair.  
**Parts List:** Complete inventory of replaceable components.

Accessing the official or authorized manual ensures that repairs are performed correctly and that the chainsaw remains safe to operate.

### Maintenance Procedures According to the Repair Manual

Regular maintenance is fundamental to extending the lifespan of the Jonsered 450. The repair manual provides routine checks and services that should be performed periodically.

#### Cleaning and Inspection

**Air Filter:** Remove and clean or replace if dirty or damaged.  
**Chain and Bar:** Remove debris, inspect for wear, and replace if necessary.  
**Cooling Fins:** Clean to prevent overheating.  
**Fuel and Oil Reservoirs:** Check for leaks and contamination.  
**Chain Tension and Sharpening:** Proper chain tension prevents derailment and excessive wear.

#### Checking Tension

The chain should be snug but move freely on the bar.

#### Sharpening

Use files or a chainsaw sharpener at correct angles, as specified in the manual.

#### Lubrication System

**Oil Level:** Check and top up regularly.  
**Oiling Mechanism:** Inspect for blockages in the oil delivery system.

#### Spark Plug Maintenance

**Inspection:** Check for fouling or damage.  
**Cleaning:** Remove carbon deposits with a wire brush.  
**Gap Adjustment:** Set the electrode gap to manufacturer specifications (typically around 0.02 inches).

#### Fuel System Checks

**Fuel Filter:** Replace if clogged.  
**Carburetor:** Adjust idle speed and mixture screws as specified in the manual.

### Troubleshooting Common Issues with the Jonsered 450

The repair manual features diagnostic flowcharts to help users quickly identify and resolve common problems.

**Engine Won't Start**  
**Possible Causes:** Faulty spark plug, carburetor issues, fuel blockage, or compression problems.  
**Solutions:** Replace or clean spark plug, clean carburetor, check fuel lines, or perform a compression test.

**Loss of Power**  
**Possible Causes:** Dull chain, clogged air filter, improper carburetor adjustment, or fuel contamination.  
**Solutions:** Sharpen or replace the chain, clean or replace the air filter, adjust carburetor, and drain contaminated fuel.

**Chain Not Lubricating Properly**  
**Possible Causes:** Oil nozzle blockage, low oil level, or worn-out oil pump.  
**Solutions:** Clean

oil delivery system, refill oil reservoir, or replace the oil pump if faulty. Excessive Vibration Possible Causes: Worn or loose anti-vibration mounts, unbalanced chain or bar. Solutions: Tighten or replace mounts, balance chain, or replace damaged bar.

### Step-by-Step Repair Procedures Based on the Manual

The manual provides detailed procedures for disassembling and repairing key components:

#### Replacing the Chain Brake

**Safety First:** Disconnect the spark plug wire. **Remove Cover:** Unscrew the top cover using the appropriate torque. **Access Brake Assembly:** Detach the brake band and related parts. **Replace or Repair:** Install new brake components if worn or damaged. **Reassemble:** Reverse the process, ensuring all parts are correctly aligned and torqued.

#### Servicing the Carburetor

**Remove the Carburetor:** Detach from the engine following manual instructions. **Clean Components:** Use carburetor cleaner to remove varnish and debris. **Inspect and Replace:** Check diaphragms, gaskets, and jets for wear. **Adjust Settings:** Reinstall and fine-tune the carburetor screws for optimal performance, as per specifications.

#### Replacing the Ignition Coil

**Disconnect Wires:** Remove spark plug and ignition wires. **Remove Coil:** Unscrew the ignition coil from its mount. **Install New Coil:** Attach the new coil, ensuring proper alignment. **Test Spark:** Reconnect the spark plug and verify spark before reassembling.

### Safety Precautions and Best Practices

Performing repairs on a chainsaw involves risks; hence, adherence to safety guidelines outlined in the manual is crucial.

**Wear Safety Gear:** Gloves, eye protection, and hearing protection.

**Work in a Well-Ventilated Area:** To avoid inhalation of fumes.

**Use Proper Tools:** Ensure tools are in good condition and suitable for the task.

**Secure the Chainsaw:** Use clamps or stands to prevent movement during repair.

**Disconnect Power Source:** Always unplug or disconnect the spark plug before working on the chainsaw.

Following these precautions minimizes injury risk and ensures repairs are performed safely.

### When to Seek Professional Repair

While the Jonsered 450 repair manual empowers users to perform many maintenance tasks, some issues surpass DIY capabilities and require professional expertise:

**Engine Overhaul:** Rebuilding or replacing internal engine parts.

**Electrical System Repairs:** Ignition coil replacements or wiring issues.

**Complex Structural Damage:** Cracks or breaks in the chassis or bar.

Consulting certified technicians ensures repairs meet safety standards and maintains the chainsaw's performance.

### Conclusion

The Jonsered 450 chain saw repair manual is an invaluable guide for maintaining and repairing this reliable power tool. By understanding the chainsaw's core components, following systematic maintenance routines, and applying troubleshooting techniques outlined in the manual, users can extend the lifespan of their equipment and operate it safely and efficiently. Regularly consulting the manual for repair procedures, safety precautions, and technical specifications ensures that even complex repairs are handled correctly, preserving the chainsaw's performance for years to come. Whether you're a seasoned professional or a casual user, investing time in mastering the repair manual's insights will lead to better maintenance habits, fewer breakdowns, and a safer working environment. Remember, a well-maintained chainsaw is not only more effective but also safer to operate.

QuestionAnswer

Where can I find a detailed repair manual for the Jonsered 450 chainsaw?

You can find the official repair manual for the Jonsered 450 on the manufacturer's website, authorized dealers, or specialized chainsaw repair manual websites.

What are common issues addressed in the Jonsered 450 chain saw repair manual?

Common issues include starting problems, chain tension adjustments, carburetor troubleshooting, chain brake failures, and replacing worn-out parts such as the spark plug and air filter.

Is the Jonsered 450 repair manual suitable for DIY repairs?

Yes, the repair manual provides step-by-step instructions suitable for DIY enthusiasts with basic mechanical skills to perform maintenance and repairs.

How often should I consult the Jonsered 450 repair manual for maintenance?

It's recommended to consult the manual regularly for routine maintenance tasks such as chain sharpening, filter cleaning, and oiling, typically after every few hours of use.

Can I get a digital copy of the Jonsered 450 repair manual?

Yes, digital copies are often available for download from official sources, online forums, or repair manual websites for easy access.

What safety precautions are outlined in the Jonsered 450 repair manual?

The manual emphasizes wearing protective gear, disconnecting the spark plug before repairs, working in well-ventilated areas, and handling fuel safely.

Are there troubleshooting guides included in the Jonsered 450 repair manual?

Yes, the manual includes troubleshooting sections to help identify and fix common problems like starting issues, engine stalls, or abnormal vibrations.

What parts are most frequently replaced according to the Jonsered 450 repair manual?

Commonly replaced parts include the spark plug, air filter, chain, guide bar, and carburetor components.

Is professional repair recommended for complex issues in the Jonsered 450 chainsaw?

For complex repairs such as engine overhaul or electrical issues, it is recommended to seek professional service to ensure safety and proper functioning.

Related keywords: Jonsered 450, chain saw repair, chainsaw manual, Jonsered chainsaw parts, chainsaw troubleshooting, chainsaw maintenance, chainsaw repair guide, Jonsered parts list, chainsaw engine repair, chainsaw service manual

## Jonsered 2050 turbo manual

Jonsered 2050 Turbo Manual is a powerful and versatile chainsaw designed for professional and semi-professional users who demand high performance, reliability, and ease of operation. Known for its innovative features and robust construction, the Jonsered 2050 Turbo Manual stands out in the competitive world of forestry and tree maintenance tools. This article provides in-depth insights into the specifications, features, benefits, and maintenance tips for the Jonsered 2050 Turbo Manual, helping users make informed decisions and maximize the tool's potential.

**Overview of the Jonsered 2050 Turbo Manual**

The Jonsered 2050 Turbo Manual is a high-performance chainsaw engineered primarily for felling, pruning, and cutting firewood. It combines advanced technology with user-friendly design, making it suitable for both experienced arborists and dedicated DIY enthusiasts.

**Key Highlights:**

- Turbocharged engine for increased power and efficiency
- Manual start system for reliability and control
- Compact and lightweight design for maneuverability
- Durable components for long-lasting performance

**Technical Specifications**

Understanding the technical specifications of the Jonsered 2050 Turbo Manual is essential for assessing its suitability for your tasks. Here are the key specs:

- Engine and Power**
  - Engine Type: 2-stroke, air-cooled
  - Displacement: Approximately 50cc
  - Power Output: Around 3.2 HP (horsepower)
  - Turbocharged: Yes, providing increased torque and power
- Bar and Chain**
  - Bar Length: Options typically include 16" to 20"
  - Chain Pitch: 3/8" or .325" pitch options
  - Chain Speed: Up to 20 m/sec, depending on conditions
- Fuel and Oil Capacity**
  - Fuel Tank Capacity: Approximately 0.4 liters
  - Oil Tank Capacity: Around 0.2 liters
- Dimensions and Weight**
  - Weight: About 5.5 kg (12 lbs) without bar and chain
  - Overall Length: Varies with bar size, typically 40-50 inches

**Features and Benefits of the Jonsered 2050 Turbo Manual**

The design and features of the Jonsered 2050 Turbo Manual are tailored to enhance user experience and operational efficiency.

**Turbocharged Engine for Enhanced Performance**

The turbo system in this chainsaw boosts airflow into the engine, resulting in increased power output, better fuel efficiency, and reduced emissions. This allows users to handle tougher cutting tasks with ease, making it ideal for professional forestry work.

**Manual Starting System**

Unlike electric or battery-powered chainsaws, the Jonsered 2050 Turbo Manual employs a manual recoil start system. This feature ensures reliable start-up even in challenging conditions, such as cold weather or after extended storage. The

design minimizes starting effort and provides a satisfying user experience. Compact and Lightweight Design Despite its powerful engine, the chainsaw maintains a lightweight profile, facilitating maneuverability and reducing user fatigue during extended use. The balanced weight distribution and ergonomic handle design contribute to safe and comfortable operation. Durable Construction and Quality Materials Constructed with high-quality materials, the Jonsered 2050 Turbo Manual is built to withstand harsh working conditions. The chassis, bar, and chain components are resistant to corrosion and wear, ensuring longevity and consistent performance. Advanced Safety Features Safety is paramount when operating chainsaws. The model includes features such as: Chain brake system for immediate halting of chain movement in emergencies Anti-vibration mounts to reduce user fatigue Ergonomic handle design for better grip and control Applications of the Jonsered 2050 Turbo Manual This chainsaw is versatile and suitable for a variety of tasks: Felling medium to large trees Limbing and pruning branches Cutting firewood for domestic or commercial purposes Land clearing and forestry management Maintenance of parks and green spaces Advantages Over Competitors When compared to other chainsaws in its class, the Jonsered 2050 Turbo Manual offers several advantages: Power-to-Weight Ratio: Provides high power while maintaining lightweight handling Fuel Efficiency: Turbocharging ensures optimal fuel consumption Durability: Heavy-duty components extend service life Ease of Use: Ergonomic design and straightforward manual start system make operation accessible Maintenance and Safety Tips Proper maintenance is essential to keep the Jonsered 2050 Turbo Manual running smoothly and safely over its lifespan. Regular Inspection and Cleaning Check the chain tension regularly; it should be snug but move freely Clean the air filter to prevent dust and debris buildup Inspect the bar and chain for signs of wear and replace if necessary Ensure the fuel and oil tanks are filled with high-quality, fresh fuel and bar oil Sharpening and Chain Care Sharpen the chain regularly for optimal cutting performance Use a proper file guide and follow manufacturer recommendations Replace the chain if it becomes excessively worn or damaged Starting Procedure Fill the fuel tank with the correct mixture (gasoline and 2-stroke oil) Engage the chain brake Set the choke and prime the carburetor if applicable Pull the recoil starter firmly until the engine fires Disengage the choke gradually as the engine warms up Safety Precautions Always wear protective gear, including gloves, eye protection, and ear defenders Use the chainsaw in well-ventilated areas Maintain a firm grip and proper stance during operation Never operate the chainsaw under the influence of alcohol or drugs Where to Buy and Warranty Information The Jonsered 2050 Turbo Manual is available through authorized dealers, forestry equipment stores, and online retailers. When purchasing, ensure you receive genuine parts and accessories to guarantee performance and safety. Most reputable sellers offer warranty coverage, typically ranging from one to two years, covering manufacturing defects and certain parts. Always check the warranty terms and service support options available in your region. Conclusion The Jonsered 2050 Turbo Manual represents a high-quality, reliable, and efficient chainsaw suitable for demanding forestry and wood-cutting tasks. Its turbocharged engine, ergonomic design, and durable construction make it a favorite among professionals and enthusiasts alike. Proper maintenance, safety precautions, and timely upgrades can maximize its lifespan and performance. Whether you are felling trees, pruning, or managing land, the Jonsered 2050 Turbo Manual offers a blend of power, precision, and ease of use that meets the needs of various

users. For those seeking a robust chainsaw capable of handling tough jobs with efficiency and safety, the Jonsered 2050 Turbo Manual is an excellent investment that combines technological innovation with practical design.

**Jonsered 2050 Turbo Manual: An In-Depth Review of Power, Performance, and Precision**

The Jonsered 2050 Turbo Manual is a professional-grade chainsaw that has garnered attention among forestry workers, arborists, and serious DIY enthusiasts alike. Renowned for its robust construction, innovative turbocharging system, and ease of use, this chainsaw offers a compelling blend of power and precision. In this comprehensive review, we'll delve into every facet of the Jonsered 2050 Turbo Manual—from its technical specifications and design features to user experience and maintenance considerations—to help you determine if this tool fits your needs.

**Overview of the Jonsered 2050 Turbo Manual**

The Jonsered 2050 Turbo Manual is a high-performance chainsaw designed primarily for demanding tasks such as felling, limbing, and bucking. It combines a powerful engine with advanced features aimed at maximizing efficiency and safety. Its turbocharged engine is a standout feature, providing increased power output without significantly increasing fuel consumption or weight.

**Key Highlights:**

- High-torque turbocharged engine
- User-friendly manual operation
- Durable construction for demanding environments
- Ergonomic design to reduce user fatigue
- Compatibility with a wide range of cutting chains and accessories

**Technical Specifications Breakdown**

Understanding the technical specs provides insight into the capabilities and limitations of the Jonsered 2050 Turbo Manual.

**Engine & Power:**

- Engine Type: 2-stroke, air-cooled
- Displacement: Approximately 50 cc
- Power Output: Around 3.0 horsepower (HP) or 2.2 kW
- Turbocharging: Yes, enhances power delivery and efficiency

**Performance Metrics:**

- Maximum RPM: Up to 13,000 RPM
- Fuel Capacity: About 0.55 liters
- Oil Capacity: Approximately 0.25 liters
- Chain Speed: Up to 24 m/sec at maximum RPM

**Dimensions & Weight:**

- Length: Varies with bar length; typically 45-50 cm bar options
- Weight: Approximately 5.5 kg (without bar and chain)
- Vibration Levels: Reduced through anti-vibration systems

**Additional Features:**

- Turbo system: Enables increased airflow into the engine for more power
- Air filtration: Advanced system for prolonged engine life
- Chain brake: Equipped for safety during kickbacks
- Adjustable chain tensioning: Tool-less or simple manual adjustment

**Design & Build Quality**

The design philosophy behind the Jonsered 2050 Turbo Manual emphasizes durability, ergonomics, and ease of maintenance.

**Materials & Construction:**

- Heavy-duty aluminum and high-impact plastics for the casing
- Reinforced chassis to withstand rough handling
- Quality components sourced from reputable manufacturers

**Ergonomics:**

- Soft-grip handlebar designed to minimize vibration transfer
- Well-balanced weight distribution for comfortable handling
- Compact size that enables maneuverability in tight spaces

**Safety Features:**

- Chain brake with quick activation
- Anti-vibration mounts to reduce user fatigue
- Chain catcher to prevent kickbacks from causing injuries

**Performance and Cutting Capabilities**

The core function of any chainsaw is its cutting performance, and the Jonsered 2050 Turbo Manual excels in this area thanks to its turbocharged engine and well-designed chain system.

**Power Delivery:**

The turbo system boosts airflow, resulting in higher torque at lower RPMs. Consistent power output even during heavy-duty cuts. Capable of

handling thick logs, up to 50 cm diameter

**Cutting Efficiency:** Rapid acceleration and high chain speed enable quick cuts

**Smooth operation with minimal stalling:** Ideal for both felling and limbing tasks

**Chain & Bar Compatibility:** Supports standard 3/8-inch pitch chains

Bar lengths typically range from 45 to 50 cm, adaptable to various tasks

**Easy chain tension adjustment:** Ensures optimal performance

**Ease of Use & User Experience:** While the Jonsered 2050 Turbo Manual is a powerful machine, it also offers features that make operation straightforward, even for less experienced users.

**Starting Procedure:** Equipped with a primer bulb to aid startup

Manual choke system for cold starts

**Easy pull-start mechanism:** With a comfortable handle

**Handling & Maneuverability:** Lightweight design reduces user fatigue during extended use

Well-balanced for precise control

**Vibration damping systems:** Minimize hand and arm strain

**Noise & Vibration:** Operates at a moderate noise level considering its power

Anti-vibration features significantly reduce user fatigue and discomfort

**Maintenance & Durability:** Maintaining the Jonsered 2050 Turbo Manual is straightforward, thanks to its accessible design and high-quality components.

**Routine Maintenance Tasks:** Regular chain sharpening to maintain cutting efficiency

Checking and adjusting chain tension before each use

Replacing air filters periodically

Lubricating bar and chain regularly with chain oil

Monitoring fuel and oil levels

**Durability Factors:** Engine components are designed for longevity under heavy use

Corrosion-resistant parts extend lifespan, especially in harsh environments

Easy access to critical parts simplifies repair and servicing

**Common Wear Items:** Chain and bar (subject to sharpening or replacement)

Spark plug

Air filter

**Safety Considerations:** Safety is paramount when operating any chainsaw, and the Jonsered 2050 Turbo Manual incorporates several features to protect users.

**Safety Features:** Chain brake activated by inertia or manual override

Kickback reduction features in chain design

Throttle lock to prevent accidental activation

Handlebar guards to prevent injury in case of chain derailment

**Operational Safety Tips:** Always wear protective gear: helmet, gloves, eye protection, and steel-toe boots

Maintain a stable stance and firm grip during operation

Keep bystanders at a safe distance

Regularly inspect the chainsaw for damage or wear before use

**Pros and Cons**

**Pros:** Powerful turbocharged engine delivering high torque

Lightweight and well-balanced for extended use

Easy to start with clear manual procedures

Durable build suitable for demanding tasks

Effective vibration and noise reduction features

Straightforward maintenance routines

**Cons:** Slightly higher price point compared to non-turbo models

Requires regular maintenance to keep optimal performance

Fuel consumption, while efficient for its power, is still significant

Bar and chain options may increase overall cost

**Who Is It Best Suited For?** The Jonsered 2050 Turbo Manual is ideal for: Professional forestry operations requiring reliable power

Arborists performing complex tree felling and trimming

Serious DIYers handling large wood projects

Contractors needing durable, high-performance equipment

While it can be used by motivated amateurs, its advanced features and power are best appreciated by those with some chainsaw experience or proper safety training.

**Final Verdict:** The Jonsered 2050 Turbo Manual stands out as a top-tier chainsaw that balances power, usability, and durability. Its turbocharged engine offers impressive performance for challenging tasks, all while maintaining user comfort through ergonomic design and vibration reduction. Although it comes with a higher price tag, its reliability and efficiency justify the investment for professionals and dedicated enthusiasts. If you're seeking a chainsaw that can handle demanding workloads with ease, offers straightforward maintenance, and prioritizes

safety, the Jonsered 2050 Turbo Manual is undoubtedly worth considering. Its combination of innovative turbo technology and thoughtful design makes it a formidable tool in any serious woodcutting arsenal. Final Recommendations: Pair with high-quality chains and appropriate bar lengths for optimal results. Invest in protective gear and regular maintenance routines. Consider your specific cutting needs to select the right bar size and accessories. With proper care and handling, the Jonsered 2050 Turbo Manual will serve as a dependable, powerful companion for years to come, elevating your woodcutting experience to new levels of efficiency and safety.

## QuestionAnswer

What are the key features of the Jonsered 2050 Turbo Manual chainsaw?

The Jonsered 2050 Turbo Manual features a powerful 50cc engine, turbocharged technology for increased cutting performance, ergonomic design for comfort, and a manual chain tensioning system, making it suitable for professional and heavy-duty use.

How does the turbocharged engine in the Jonsered 2050 improve performance?

The turbocharged engine boosts power output by increasing air intake, resulting in more efficient cutting and better performance in demanding tasks, especially when handling thick logs or extensive cutting jobs.

Is the Jonsered 2050 Turbo Manual easy to operate for beginners?

While designed for professional use, the Jonsered 2050 features user-friendly controls and a manual chain tensioning system that can be learned quickly, but it is recommended for users with some prior chainsaw experience due to its power and handling characteristics.

What maintenance requirements does the Jonsered 2050 Turbo Manual have?

Regular maintenance includes cleaning the air filter, checking and adjusting chain tension, inspecting the spark plug, and ensuring proper lubrication. Following the manufacturer's guidelines will prolong the saw's lifespan and ensure optimal performance.

Where can I purchase the Jonsered 2050 Turbo Manual chainsaw?

The Jonsered 2050 Turbo Manual is available at authorized Jonsered dealers, professional tool suppliers, and online retailers. It's recommended to buy from authorized sources to ensure genuine parts and warranty support.

How does the weight of the Jonsered 2050 Turbo Manual compare to other professional chainsaws?

The Jonsered 2050 typically weighs around 6.5 to 7.5 kg (14.3 to 16.5 lbs), which is competitive for a professional 50cc chainsaw, providing a balance between power and maneuverability for extended use.

Are there any safety features included with the Jonsered 2050 Turbo Manual?

Yes, the chainsaw includes safety features such as a chain brake, anti-vibration handles, and a safety throttle lock to reduce the risk of accidents and enhance operator safety during use.

Related keywords: Jonsered, 2050, turbo, manual, chainsaw, outdoor power equipment, forestry tools, gasoline chainsaw, professional chainsaw, Jonsered accessories

## Jonsered service manual model 52e

Jonsered Service Manual Model 52E The Jonsered Model 52E is a well-regarded chainsaw renowned for its durability, performance, and ease of maintenance. As with any power equipment, proper servicing and adherence to the manufacturer's guidelines are essential to ensure longevity, safety, and optimal operation. The comprehensive service manual for the Jonsered 52E provides detailed instructions, specifications, troubleshooting tips, and maintenance procedures that are invaluable for both professional technicians and dedicated users. This article provides an in-depth overview of the key aspects covered in the Jonsered 52E service manual, guiding users through understanding the machine's components, performing routine maintenance, troubleshooting common issues, and ensuring safe operation.

### Overview of the Jonsered 52E Chainsaw

#### Key Features and Specifications

The Jonsered 52E is designed to meet the needs of both professional and amateur woodcutters. Its features include:

- Engine Power:** Typically around 50cc, providing sufficient torque for demanding tasks
- Bar Length:** Commonly available in 16 to 20 inches, accommodating various cutting needs
- Weight:** Approximately 5-6 kg, balancing power and maneuverability
- Fuel Capacity:** Around 0.4 liters, allowing for extended operation
- Chain Speed:** Up to 24 m/s, ensuring efficient cutting

#### Design and Construction

The 52E features a robust steel chassis, ergonomic handles for comfortable operation, and a side-mounted chain tensioner for quick adjustments. Its compact design allows for easy handling in tight spaces.

#### Understanding the Service Manual

##### Purpose and Importance

The service manual serves as the authoritative guide for:

- Routine maintenance procedures**
- Parts replacement and repair instructions**
- Safety precautions during operation and**

servicingTroubleshooting common problemsTechnical specifications and adjustmentsOrganization of the ManualTypically, the manual is organized into sections such as:Introduction and safety informationTechnical specificationsAssembly and disassembly instructionsMaintenance proceduresTroubleshooting guideParts list and diagramsMaintenance ProceduresRegular Maintenance ScheduleAdhering to a consistent maintenance schedule prolongs the chainsaw's lifespan and maintains its performance. Common tasks include:Checking and replacing the air filterCleaning the fuel and oil systemSharpening the chain regularlyInspecting the spark plug and replacing if necessaryLubricating the chain and barInspecting the chain tensionCleaning and InspectionProper cleaning involves:Removing debris from the cooling fins and air intakeWiping down the exterior to prevent dirt buildupChecking for signs of wear or damage on the chain, bar, and sprocketReplacing Wear PartsThe manual provides detailed instructions on replacing:Chain and guide barChain brake componentsFuel filter and linesAir filterSpark plugServicing the EngineFuel System MaintenanceProper fuel system maintenance includes:Draining old fuel to prevent gum buildupCleaning or replacing the fuel filterInspecting fuel lines for cracks or leaksEnsuring the correct fuel-to-oil mixture as specified in the manualCarburetor AdjustmentThe carburetor requires fine-tuning for optimal performance:Identifying the high-speed and low-speed mixture screwsAdjusting the screws following the specifications providedUsing a tachometer to ensure correct idle and running speedsIgnition System and Spark Plug MaintenanceEnsuring reliable ignition involves:Inspecting the spark plug for deposits and wearReplacing the spark plug if necessaryChecking the ignition coil and wiring for proper operationTroubleshooting Common IssuesEngine Won't StartPossible causes and solutions include:Fuel system issues: Check fuel lines, filter, and refuel with fresh mixtureSpark plug problems: Inspect, clean, or replaceChoke or throttle issues: Ensure proper operationCarburetor adjustment: Fine-tune as per manual instructionsChainsaw Stalls or Loses PowerPotential reasons:Clogged air filter: Clean or replaceDirty or worn spark plug: ReplaceFuel mixture problems: Correct as necessaryOverheated engine: Allow cooling and check for blockagesChain Does Not Tension ProperlyTroubleshooting steps:Inspect the tensioner and adjust accordinglyCheck for worn or damaged tensioner partsEnsure the guide bar is not bent or damagedSafety Precautions and Best PracticesBefore ServicingEnsure safety by:Disconnecting the spark plug wireAllowing the engine to cool downWearing protective gloves and eyewearDuring Operation and MaintenanceFollow these guidelines:Operate in a well-ventilated areaUse proper protective gearFollow recommended procedures outlined in the manualMaintain a clean workspace to prevent accidentsParts List and DiagramsUtilizing the Parts ListThe service manual provides detailed diagrams and part numbers for:Engine componentsChain and guide bar assemblyFuel and oil system partsElectrical componentsOrdering Replacement PartsUsing the manual's parts list ensures compatibility and proper fitment. Always verify part numbers before ordering.Conclusion: The Importance of Proper ServicingMaintaining the Jonsered 52E chainsaw according to the service manual is vital for ensuring safe, efficient, and reliable operation. Regular maintenance not only prolongs the life of the equipment but also prevents costly repairs and safety hazards. Whether you are a professional arborist or a DIY enthusiast, understanding the detailed procedures outlined in the manual empowers you to troubleshoot issues effectively, perform routine upkeep, and keep your chainsaw

performing at its best. Always follow safety instructions meticulously, use genuine parts, and consult the manual for specific adjustments and repairs. Properly serviced, the Jonsered 52E can serve as a dependable tool for many years to come.

**Jonsered Service Manual Model 52E: An In-Depth Investigation**

In the realm of outdoor power equipment, the longevity, reliability, and ease of maintenance of tools such as chainsaws are paramount for both amateur enthusiasts and professional arborists. Among the storied brands that have established a reputation for durability and performance, Jonsered stands out as a trusted name, especially for those seeking robust machinery with comprehensive support. Central to maximizing the lifespan and functionality of Jonsered chainsaws is access to detailed service manuals—specifically, the Jonsered Service Manual Model 52E. This article undertakes a thorough examination of this manual, exploring its origins, structure, contents, usability, and impact on maintenance practices.

**Background and Context of the Jonsered 52E Model**

**Historical Position of the 52E in Jonsered's Lineup**

The Jonsered 52E is a classic chainsaw model introduced during the late 20th century, embodying the brand's commitment to combining power with user-friendliness. Known for its sturdy construction and efficient engine design, the 52E quickly gained popularity among both commercial and hobbyist users. Its popularity necessitated the development of detailed service documentation to facilitate troubleshooting, repairs, and routine maintenance.

**Significance of the Service Manual**

In the context of outdoor power equipment, a service manual is not merely a technical document but an essential tool that ensures safety, efficiency, and longevity. For the Jonsered 52E, the service manual provided:

- Step-by-step repair procedures
- Maintenance schedules
- Troubleshooting guides
- Part diagrams
- Safety precautions

The manual's availability was crucial for authorized service centers and individual owners aiming to perform repairs with confidence.

**Origins and Development of the Jonsered Service Manual Model 52E**

**Design Philosophy and Manufacturing Considerations**

The development of the Jonsered 52E service manual was aligned with the company's philosophy of creating user-centric and service-friendly machinery. Recognizing that end-users and mechanics would need accessible, precise information, the manual was designed to be comprehensive yet understandable.

**Sources and Authenticity**

The official Jonsered service manual for the 52E was produced by the manufacturer or authorized distributors. Its authenticity is crucial for ensuring accurate repair procedures, especially given the complexity of modern chainsaw components. Over time, copies have circulated through various channels—original print versions, OEM digital downloads, and third-party reproductions—each with varying degrees of accuracy.

**Distribution and Accessibility**

Historically, the manual was distributed through authorized dealers, service centers, and sometimes included with new equipment. As digital technologies advanced, electronic versions became more accessible via online forums, repair communities, and specialized websites dedicated to chainsaw maintenance.

**Structural Analysis of the Jonsered 52E Service Manual**

**Format and Layout**

The manual's structure typically follows a logical progression, beginning with safety instructions and ending with parts lists. Its layout includes:

- Clear section headings
- Step-by-step procedures
- Illustrative diagrams and photographs
- Tables summarizing

maintenance intervals Troubleshooting flowcharts This organization facilitates efficient navigation for both novice and experienced technicians.

**Content Sections Breakdown**

- Introduction and Safety Precautions
- General safety guidelines
- Personal protective equipment recommendations
- Engine and Fuel System
  - Engine specifications
  - Fuel mixture ratios
  - Carburetor adjustments
- Clutch and Chain Mechanism
  - Clutch assembly
  - Chain tensioning
  - Chain lubrication
- Air Intake and Exhaust
  - Air filter cleaning/replacement
  - Exhaust port inspection
- Cooling System
  - Cooling fins cleaning
- Fan assembly
- Electrical Components (if applicable)
- Ignition system
  - Spark plug maintenance
- Lubrication and Maintenance Schedule
  - Daily, weekly, and monthly checks
  - Replacement intervals
- Troubleshooting Guide
  - Common issues
  - Diagnostic flowcharts
- Parts Diagram and List
  - Exploded views
  - Part numbers
- Replacement procedures

**Usability and Practical Application of the Manual**

**User-Friendliness for Different Audiences**

The manual caters to a spectrum of users:

- Professional mechanics:** Detailed technical insights, precise measurements, and comprehensive diagrams enable expert repairs.
- DIY enthusiasts:** Clear instructions and visuals lower the barrier for non-professional repairs.
- Service centers:** Standardized procedures ensure consistency and quality control.

**Limitations and Challenges**

Despite its thoroughness, the manual may pose challenges:

- Language barriers:** Original manuals are often in Swedish or Scandinavian languages, necessitating translations.
- Technical jargon:** Some sections assume a degree of prior mechanical knowledge.
- Availability:** Out-of-print physical copies may be difficult to source, requiring reliance on digital versions or unofficial reproductions.

**Impact on Maintenance and Repair Practices**

**Enhancing Maintenance Efficiency**

Access to the precise procedures within the Jonsered 52E manual allows users to:

- Conduct routine maintenance correctly
- Identify issues early
- Prevent major failures through preventative care

**Improving Repair Accuracy and Safety**

The manual emphasizes safety protocols, reducing the risk of accidents during repair work. Moreover, accurate part identification minimizes errors in replacements, ensuring the chainsaw functions optimally post-repair.

**Cost and Time Savings**

Having a detailed manual reduces dependence on costly professional repairs for minor issues, empowering owners to undertake repairs swiftly and affordably.

**Contemporary Relevance and Availability of the Manual**

**Digital Transition and Online Resources**

Today, many owners and technicians turn to digital repositories, forums, and third-party websites for the Jonsered 52E service manual. While these sources may vary in reliability, official OEM PDFs and scanned copies from reputable sources are often available for download.

**Legal and Ethical Considerations**

It's important to obtain manuals through legitimate channels to respect intellectual property rights. Unauthorized reproductions may contain inaccuracies or outdated information, potentially compromising repair quality.

**Future Outlook**

As Jonsered and its parent companies evolve, the availability of legacy manuals like the 52E becomes crucial for maintaining older equipment. Digitization efforts and community knowledge-sharing continue to improve access, ensuring that these valuable documents remain a resource for years to come.

**Conclusion**

The Jonsered Service Manual Model 52E represents more than just a technical document; it is a vital tool that bridges the gap between manufacturer expertise and end-user maintenance. Its comprehensive structure, detailed diagrams, and step-by-step procedures enable users to maintain and repair their chainsaw efficiently and safely. In the broader context, such manuals contribute significantly to prolonging the lifespan of outdoor equipment, reducing costs, and promoting safety. As technology advances and manuals

become increasingly digitized, ensuring access to authentic, accurate versions remains essential. Whether for a vintage 52E or newer models, the importance of detailed service documentation cannot be overstated in fostering responsible ownership and effective maintenance practices. For enthusiasts and professionals alike, the Jonsered 52E service manual continues to be a cornerstone resource?preserving the legacy of a trusted brand while empowering users to keep their equipment performing at peak levels.

## QuestionAnswer

Where can I find the official service manual for the Jonsered Model 52E?

The official service manual for the Jonsered Model 52E can typically be downloaded from the Jonsered or Husqvarna official website under the 'Support' or 'Manuals' section, or obtained through authorized service centers.

What are the common maintenance procedures outlined in the Jonsered 52E service manual?

Common maintenance procedures include chain tension adjustment, carburetor tuning, spark plug replacement, air filter cleaning or replacement, and lubrication of moving parts, as detailed in the manual.

How do I troubleshoot starting issues on my Jonsered 52E using the service manual?

The manual recommends checking the spark plug condition, fuel mixture, air filter, and ensuring the carburetor is clean. It also provides step-by-step diagnostics to identify issues preventing startup.

What safety precautions are emphasized in the Jonsered 52E service manual?

The manual emphasizes wearing protective gear, disconnecting spark plugs before maintenance, ensuring the saw is on a stable surface, and following proper handling procedures to prevent injuries.

Can I perform carburetor adjustments on the Jonsered 52E myself using the service manual?

Yes, the manual provides instructions for adjusting the carburetor screws for optimal performance, but it is recommended to have some mechanical knowledge or seek professional help if unsure.

What replacement parts are compatible with the Jonsered 52E as per the service manual?

The manual lists OEM parts such as spark plugs, air filters, chains, and guides that are compatible. Always use original parts to ensure proper functioning and safety.

How often should I perform maintenance on my Jonsered 52E according to the service manual?

Routine maintenance should be performed after every use, including cleaning the air filter and checking chain tension, with more detailed inspections and replacements scheduled periodically as specified in the manual.

What are the troubleshooting steps for engine power loss in the Jonsered 52E?

The manual recommends inspecting and replacing the air filter, checking the spark plug, cleaning the carburetor, and ensuring proper fuel mixture to restore engine power.

Is there a specific sequence for disassembling parts of the Jonsered 52E in the service manual?

Yes, the manual provides a detailed step-by-step disassembly sequence to safely and effectively service components like the clutch, chain brake, and engine parts.

Where can I get professional repair services for my Jonsered 52E if I cannot troubleshoot myself?

Authorized Jonsered or Husqvarna service centers are recommended for professional repairs, and the service manual can help you communicate specific issues to technicians.

Related keywords: Jonsered, 52E, service manual, chainsaw, repair guide, maintenance, parts list, troubleshooting, engine specifications, user manual

## **Poulan woodshark repair manual**

poulan woodshark repair manual is an essential resource for anyone who owns or maintains a Poulan WoodShark chainsaw. Whether you're a professional arborist, a DIY enthusiast, or a homeowner tackling routine maintenance, having a comprehensive repair manual ensures you can troubleshoot issues effectively, perform repairs accurately, and extend the lifespan of your equipment. Proper understanding of the chainsaw's components, common problems, and maintenance procedures can save you time and money, preventing unnecessary trips to the repair shop. In this article, we will explore everything you need to know about the Poulan WoodShark repair manual, including its features, how to use it, common repairs, maintenance tips, and

troubleshooting guides. Understanding the Poulan WoodShark Repair Manual

### What is a Poulan WoodShark Repair Manual?

The Poulan WoodShark repair manual is a detailed guide designed to assist users in maintaining, troubleshooting, and repairing their chainsaw. It contains step-by-step instructions, diagrams, parts lists, and safety guidelines tailored specifically for the Poulan WoodShark model. Having this manual at hand ensures that you can handle repairs confidently and correctly.

### Key Features of the Repair Manual

The repair manual typically includes:

- Detailed exploded views and diagrams of the chainsaw components
- Part numbers and descriptions for ordering replacements
- Step-by-step repair procedures for common issues
- Maintenance schedules to keep the chainsaw in optimal condition
- Safety precautions to prevent accidents during repairs
- Troubleshooting guides for diagnosing problems efficiently

### Benefits of Using the Repair Manual

- Accurate diagnosis of issues
- Proper assembly and disassembly techniques
- Knowledge of the correct replacement parts
- Prolonged equipment lifespan
- Ensuring safety during repairs
- Cost savings by avoiding unnecessary service calls

### How to Access and Use the Poulan WoodShark Repair Manual

#### Sources for the Repair Manual

You can obtain the Poulan WoodShark repair manual through several channels:

- Official Poulan/Weed Eater website:** They often provide downloadable PDFs or printed copies.
- Authorized Poulan service centers:** Many offer printed manuals or repair guides.
- Online marketplaces:** Websites like eBay or Amazon sometimes sell used or digital copies.
- Third-party repair websites:** Some sites specialize in chainsaw repair manuals.

### Using the Manual Effectively

To make the most of the repair manual:

- Identify the model number:** Usually found on the chainsaw's label.
- Locate the relevant section:** Whether it's carburetor issues, chain replacement, or ignition troubleshooting.
- Follow safety instructions:** Always read safety precautions before starting repairs.
- Gather necessary tools and parts:** The manual often lists required tools and replacement components.
- Follow step-by-step instructions:** Proceed carefully, referring to diagrams and parts lists.
- Record repairs:** Keep notes for future reference or maintenance schedules.

### Common Repairs and Maintenance Procedures

- Replacing the Chain and Bar**

One of the most frequent tasks:

  - Remove the side cover
  - Release the chain tension
  - Remove the old chain and bar
  - Install the new chain, ensuring correct orientation
  - Reassemble, adjust tension, and test run
- Carburetor Cleaning and Adjustment**

Proper carburetor function is crucial:

  - Remove the carburetor following the manual instructions
  - Clean with carburetor cleaner
  - Replace gaskets if necessary
  - Adjust the carburetor screws as per specifications
  - Reinstall and test for smooth operation
- Ignition System Troubleshooting**

Common issues include no spark or weak spark:

  - Check spark plug condition and replace if worn
  - Inspect ignition coil and wiring connections
  - Use the manual's troubleshooting guide to diagnose ignition faults
  - Replace faulty components as needed
- Replacing the Air Filter**

A clean air filter ensures optimal engine performance:

  - Remove the air filter cover
  - Take out the old filter
  - Clean or replace with a new filter
  - Reassemble the cover
- Spark Plug Replacement**

Regular replacement maintains engine health:

  - Remove the spark plug with a spark plug socket
  - Check for fouling or wear
  - Replace with the recommended spark plug type
  - Adjust the gap as specified in the manual

### Maintenance Tips for Longevity and Performance

#### Routine Maintenance Checklist

- Regularly inspect and sharpen the chain
- Keep the chain tension correct
- Clean the air filter often
- Check and replace the spark plug periodically
- Ensure the fuel mixture is correct
- Lubricate the chain and bar regularly
- Inspect the spark arrestor and muffler

### Safety Precautions During Maintenance

Always

disconnect the spark plug wire before servicing  
Wear protective gloves and eye protection  
Work in a clean, well-ventilated area  
Follow all safety guidelines outlined in the manual  
Troubleshooting  
Common Problems  
Engine Won't Start  
Check the fuel supply and mixture  
Inspect the spark plug and ignition system  
Clean the carburetor  
Ensure the air filter isn't clogged  
Chainsaw Stops Suddenly  
Overheating or dirty carburetor  
Fuel blockage  
Faulty ignition coil  
Dirty or worn spark plug  
Chain Doesn't Spin or Moves Slowly  
Check the chain tension  
Inspect the clutch assembly  
Lubricate the bar and chain  
Replace worn or damaged parts  
Excessive Vibration or Noise  
Tighten loose parts  
Check the chain tension and sharpness  
Inspect the bar for damage  
Replace worn bearings or components  
Final Tips for Using Your Poulan WoodShark Repair Manual  
Always read the entire manual before starting any repair  
Use genuine replacement parts specified in the manual  
Keep the manual accessible for quick reference  
Regularly perform maintenance to prevent major repairs  
When in doubt, consult a professional technician  
Conclusion  
A comprehensive Poulan WoodShark repair manual is invaluable for ensuring your chainsaw operates efficiently and safely over years of use. By understanding the manual's content, following proper maintenance routines, and performing repairs correctly, you can extend the life of your equipment while avoiding costly repairs. Whether you're replacing a chain, adjusting the carburetor, or troubleshooting ignition problems, having this manual at your side makes the process straightforward. Invest time in familiarizing yourself with your Poulan WoodShark model and its repair manual to become a more confident and capable chainsaw owner. Proper care and timely repairs will keep your chainsaw running smoothly, enabling you to tackle your forestry, yard work, or DIY projects with ease and safety.

Poulan Woodshark Repair Manual: An In-Depth Guide to Maintenance, Troubleshooting, and Repair  
In the realm of outdoor power equipment, Poulan's Woodshark chainsaws have built a reputation for durability and performance, especially among homeowners and professional forestry workers. As with any mechanical tool subjected to regular use, maintenance and timely repairs are essential to ensure optimal functionality and safety. The Poulan Woodshark repair manual serves as an indispensable resource, offering detailed instructions, troubleshooting tips, and technical specifications to guide users through common repairs and routine upkeep. This article provides a comprehensive analysis of what such a manual entails, its importance, and how users can leverage it effectively to prolong the lifespan of their chainsaw.  
Understanding the Poulan Woodshark Chainsaw  
Before delving into repair specifics, it's crucial to understand the core components and design philosophy of the Poulan Woodshark chainsaw. Recognized for its robust build, this model features a powerful engine, ergonomic design, and user-friendly controls aimed at both professional and occasional users.  
Key Features of the Woodshark Model  
Engine Specifications: Typically powered by a two-stroke engine, offering a balance of power and portability.  
Bar Length Options: Ranging from 16 to 20 inches, suitable for various cutting tasks.  
Safety Features: Chain brake, anti-vibration handles, and safety throttle.  
Maintenance Points: Easily accessible components such as the air filter, spark plug, chain tensioner, and oil reservoir.  
Understanding these features enables

users to identify which parts require regular inspection or repair, and how to maintain the overall health of the chainsaw.

### The Importance of a Poulan Woodshark Repair Manual

A dedicated repair manual is more than just a troubleshooting guide; it's a comprehensive technical document that empowers users to perform maintenance tasks safely and effectively. The significance of such a manual can be summarized as follows:

- Safety Assurance:** Proper repair and maintenance reduce the risk of accidents caused by faulty components.
- Cost Savings:** DIY repairs prevent expensive service calls and prolong the life of the tool.
- Operational Efficiency:** Correct adjustments and timely repairs ensure the chainsaw performs at optimal levels.
- Technical Knowledge:** Provides insights into the internal workings, fostering better understanding of the equipment.

While general chainsaw maintenance tips are available online, a manufacturer-specific manual like the Poulan Woodshark repair guide offers detailed diagrams, torque specifications, and step-by-step procedures tailored to this model.

### Components Covered in the Poulan Woodshark Repair Manual

A typical repair manual for the Poulan Woodshark model is organized into sections that cover all essential parts of the chainsaw. These include:

- Engine and Fuel System**
  - Carburetor cleaning and adjustment
  - Spark plug inspection, replacement, and gap setting
  - Fuel line inspection and replacement
  - Recoil starter repair
- Chain and Bar Assembly**
  - Chain sharpening techniques
  - Tension adjustment procedures
  - Bar replacement and lubrication
  - Chain brake servicing
- Lubrication and Oil System**
  - Oil reservoir inspection
  - Oil pump calibration
  - Identification of oil leaks
- Electrical System**
  - Ignition coil testing
  - Magneto inspection
  - Replacing or repairing wiring and switches
- Structural Components and Safety Devices**
  - Handle and frame repair
  - Chain brake maintenance
  - Anti-vibration system servicing

A well-structured manual provides detailed illustrations, exploded diagrams, and torque specifications, facilitating precise repairs and adjustments.

### Common Repairs and Troubleshooting Using the Manual

The Poulan Woodshark repair manual is invaluable for diagnosing and fixing typical issues encountered by users. Below are some common problems and how the manual guides resolution:

- Engine Won't Start**
  - Potential Causes:** Faulty spark plug, Clogged carburetor, Fuel blockage, Ignition coil failure
  - Manual Guidance:** Step-by-step procedures to inspect and replace spark plug, Carburetor cleaning instructions, Fuel line inspection and cleaning, Testing ignition coil with a multimeter
- Chain Does Not Tension Properly**
  - Potential Causes:** Worn chain or bar, Improper tension adjustment, Damaged tensioner mechanism
  - Manual Guidance:** Detailed steps for adjusting chain tension, How to replace the chain or bar, Inspection of tensioner parts
- Excessive Vibration or Noise**
  - Potential Causes:** Loose or damaged anti-vibration mounts, Uneven chain sharpening, Worn bearings
  - Manual Guidance:** Inspection and replacement procedures, Balancing the chain, Tightening or replacing vibration mounts
- Chain Cuts Out or Loses Power**
  - Potential Causes:** Dirty or clogged air filter, Carburetor problems, Overheating engine
  - Manual Guidance:** Air filter cleaning and replacement, Carburetor tuning instructions, Cooling system inspection

This troubleshooting approach minimizes downtime and helps users address issues efficiently by following detailed, step-by-step instructions provided in the manual.

### Maintenance Guidelines from the Manual

Routine maintenance is the cornerstone of chainsaw longevity. The Poulan Woodshark repair manual emphasizes preventive care, including:

- Regular Air Filter Cleaning:** Prevents dust and debris from entering the engine.
- Chain Sharpening Schedule:** Ensures safe and efficient cutting.
- Proper Chain Tensioning:** Reduces wear and risk of derailing.
- Lubrication Checks:** Ensures the chain and bar are properly

lubricated. Fuel Mixture Accuracy: Using the correct oil-to-gas ratio to prevent engine damage. Inspection of Safety Features: Chain brake and anti-vibration systems for operational safety. Adhering to these guidelines, as outlined in the manual, ensures the chainsaw remains in peak condition and reduces the likelihood of unexpected breakdowns. Availability and Access to the Poulan Woodshark Repair Manual The manual can be obtained through various channels: Official Poulan or Husqvarna Websites: Often offer downloadable PDFs or printed manuals. Authorized Service Centers: May provide printed copies or in-person guidance. Third-party Manuals and Guides: Websites specializing in power tool manuals. Online Forums and Communities: Sharing user-generated repair guides and tips. It's important to ensure the manual matches the specific model and serial number to access accurate and compatible repair instructions. Final Thoughts: The Value of a Poulan Woodshark Repair Manual Owning a Poulan Woodshark chainsaw comes with the responsibility of regular maintenance and occasional repairs. A comprehensive repair manual is an essential tool that demystifies complex procedures, enhances safety, and saves money. By providing detailed diagrams, step-by-step instructions, and troubleshooting tips, the manual empowers users to take control of their equipment's health. In an era where DIY repairs are increasingly valued, leveraging the Poulan Woodshark repair manual ensures that users can confidently address issues, perform routine maintenance, and extend the lifespan of their chainsaw. Whether you're a seasoned professional or a casual user, investing time to understand and utilize this manual is a prudent step toward maintaining a reliable and safe cutting tool. In summary, the Poulan Woodshark repair manual is more than just a set of instructions; it is an essential guide that combines technical precision with practical advice. Proper use of this resource ensures that your chainsaw remains a dependable partner in your forestry or home improvement projects for years to come.

## QuestionAnswer

Where can I find the official Poulan Woodshark repair manual?

The official Poulan Woodshark repair manual can typically be found on Poulan's official website, authorized dealer sites, or through authorized service centers. You may also find downloadable PDF versions from reputable online manuals repositories.

What are common issues addressed in the Poulan Woodshark repair manual?

Common issues include engine starting problems, carburetor adjustments, chain brake malfunctions, bar and chain maintenance, and troubleshooting electrical components. The manual provides step-by-step guidance for diagnosing and repairing these problems.

Is the Poulan Woodshark repair manual suitable for DIY repairs?

Yes, the repair manual is designed to assist both professional technicians and DIY enthusiasts. It includes detailed instructions, diagrams, and safety precautions to help users perform repairs confidently and correctly.

What safety precautions should I follow when using the Poulan Woodshark repair manual?

Always disconnect the spark plug before working on the chainsaw, wear protective gear like gloves and eye protection, and follow all safety instructions outlined in the manual to prevent injury during repairs.

Are there video tutorials that complement the Poulan Woodshark repair manual?

Yes, many online platforms offer video tutorials that demonstrate repairs and maintenance procedures outlined in the manual, providing visual guidance to enhance understanding and ease of repair.

Related keywords: Poulan, Woodshark, repair, manual, chainsaw, troubleshooting, parts, maintenance, guide, instructions

## Jonsered Lt 8

**Introduction to the Jonsered LT 8: A Powerful and Reliable Lawn Tractor**Jonsered LT 8 is a renowned lawn tractor that has gained popularity among homeowners and professional landscapers alike. Designed with durability, efficiency, and ease of use in mind, the Jonsered LT 8 offers an exceptional mowing experience. Whether you're maintaining a small yard or a large estate, this machine provides the power and versatility needed to get the job done efficiently. In this article, we will explore the features, specifications, benefits, and maintenance tips for the Jonsered LT 8 to help you make an informed decision about this impressive piece of outdoor equipment.

**History and Background of Jonsered Lawn Tractors**Brand Heritage and ReputationJonsered has a long-standing reputation for manufacturing high-quality outdoor power equipment. Originating from Sweden, the brand is known for its commitment to innovation, durability, and user-friendly designs. Over the decades, Jonsered has expanded its product line to include various outdoor tools, with lawn tractors like the LT 8 standing out as flagship models.

**Evolution of the LT Series**The LT series has evolved significantly over the years, incorporating advanced technologies and ergonomic features. The Jonsered LT 8, in particular, represents a culmination of these innovations, offering an optimal balance of power, comfort, and reliability.

**Key Features of the Jonsered LT 8**Engine and

**Powertrain****Engine Type:** The LT 8 is equipped with a robust petrol engine, typically a Briggs & Stratton or similar high-performance motor, offering reliable power output.**Horsepower:** Usually ranging between 15 to 20 HP, providing ample torque for challenging terrains.**Transmission:** Hydrostatic transmission allows for smooth and variable speed control, enhancing maneuverability.**Cutting Deck and Mowing Capabilities****Deck Size:** The LT 8 generally features a 48-inch cutting deck, suitable for large lawns.**Cutting Height Adjustment:** Multiple adjustable settings enable precise control over grass height.**Blade System:** Heavy-duty blades designed for efficient and clean cuts, with options for mulching and side discharge.**Design and Ergonomics****Comfortable Seat:** Adjustable, high-back seat with cushioning for extended use.**Steering and Controls:** Ergonomically positioned controls for ease of operation.**Visibility:** Good operator visibility with a well-designed dashboard and control layout.**Additional Features****All-Wheel Drive:** Some models include all-wheel drive for better traction on uneven terrain.**Attachments Compatibility:** Can be fitted with snow blades, carts, and other attachments.**Durability:** Built with high-quality materials for long-term use and minimal maintenance.**Advantages of Choosing the Jonsered LT 8****Efficiency and Speed**The large cutting deck and powerful engine enable users to mow extensive areas quickly. The hydrostatic transmission allows for seamless speed adjustments, optimizing mowing efficiency.**Ease of Use**Thanks to ergonomic design, intuitive controls, and adjustable features, even novice users can operate the LT 8 comfortably and safely.**Versatility**With various attachments and adjustable cutting heights, the Jonsered LT 8 is versatile enough for different terrains and landscaping needs.**Durability and Reliability**Constructed with high-quality materials and proven engineering, the LT 8 offers longevity and minimal downtime, making it a cost-effective investment.**Eco-Friendly Operation**Modern models are designed to meet strict emission standards, providing environmentally conscious users with a greener mowing option.**Technical Specifications of the Jonsered LT 8**

| Specification      | Details                                              |
|--------------------|------------------------------------------------------|
| Engine Power       | 17 HP Briggs & Stratton                              |
| Cutting Deck       | 48 inches with mulching and side discharge options   |
| Transmission       | Hydrostatic                                          |
| Fuel Capacity      | Approximately 3-4 liters                             |
| Overall Dimensions | Length: around 170 cm; Width: 120 cm; Height: 110 cm |
| Weight             | Approximately 250 kg                                 |
| Max Speed          | 8-10 km/h                                            |
| Tires              | Large pneumatic tires for stability and traction     |

[Note: Specifications may vary slightly depending on the model year and regional configurations.]

**How to Use and Operate the Jonsered LT 8 Effectively****Preparation Before Mowing**Check fuel level and top up if necessary. Inspect the blades and deck for debris or damage. Adjust the cutting height according to your lawn's requirements. Ensure all controls and safety features are functional.**Operating the Lawn Tractor**Start the engine following the manufacturer's instructions. Engage the parking brake before shifting into drive. Use the steering wheel and foot pedals to navigate. Adjust speed with the hydrostatic control for optimal comfort and efficiency. Mow in overlapping passes to ensure even coverage.**Post-Mowing Maintenance**Clean the deck and blades after use. Check and top up oil and fuel levels regularly. Sharpen blades periodically for a clean cut. Store the tractor in a sheltered area during off-season periods.**Maintenance Tips for Longevity and Performance****Regular Inspection**Check belts, hoses, and connections for signs of wear. Replace worn or damaged parts promptly. Keep air filters clean for optimal engine performance.**Blade Maintenance**Sharpen blades at least twice per mowing season. Balance blades to prevent vibrations and uneven cuts. Replace blades when they become

excessively worn or damaged.Engine CareChange oil as per manufacturer?s schedule.Keep the cooling fins clean.Use high-quality fuel and oil.Battery and Electrical SystemCheck battery charge and terminals regularly.Replace batteries when necessary to avoid starting issues.Comparison with Other Lawn TractorsJonsered LT 8 vs. Competitors| Feature | Jonsered LT 8 | Competitor A | Competitor B ||-----|-----|-----|-----|| Engine Power | 17 HP | 15 HP | 18 HP || Deck Size | 48 inches | 42 inches | 50 inches || Transmission | Hydrostatic | Manual | Hydrostatic || Price Range | Mid-range | Budget-friendly | Premium |Note: The choice depends on your specific needs, budget, and lawn size.Customer Reviews and User FeedbackMany users praise the Jonsered LT 8 for its durability, ease of operation, and excellent cutting performance. Common positive points include:Smooth and quiet engine operationComfortable seating and controlsReliable traction on various terrainsEasy maintenance and serviceabilitySome users mention that it?s slightly heavy, making storage and maneuverability challenging in tight spaces, but this is typical for machines in this class.Buying Tips and Where to PurchaseAuthorized Dealers: Purchase from certified Jonsered dealers to ensure genuine products and warranty support.Online Retailers: Many online platforms offer new and used models, often with customer reviews.Seasonal Discounts: Look for promotions during early spring or late fall when demand is lower.Conclusion: Is the Jonsered LT 8 Right for You?The Jonsered LT 8 stands out as a dependable, efficient, and versatile lawn tractor suitable for a wide range of outdoor maintenance tasks. Its powerful engine, large cutting deck, and ergonomic design make it an excellent investment for homeowners with sizable lawns or professional landscapers seeking reliability. With proper maintenance and operation, the LT 8 can serve you well for many years, ensuring your outdoor space remains neat and well-manicured.Whether you?re upgrading your existing equipment or starting fresh, the Jonsered LT 8 offers a compelling combination of performance and value. Consider your lawn size, terrain, and budget when making your decision, and you?ll find this tractor a worthwhile addition to your outdoor tool collection.

Jonsered LT 8: The Ultimate Lawn Tractor for Power and PrecisionWhen it comes to maintaining a pristine, well-manicured lawn, choosing the right equipment is paramount. The Jonsered LT 8 stands out as a formidable contender in the realm of lawn tractors, offering a blend of power, durability, and user-friendly features that make it a favorite among homeowners and professional landscapers alike. In this comprehensive review, we delve into every aspect of the Jonsered LT 8, examining its design, performance, features, and overall value to help you determine if it?s the right fit for your outdoor maintenance needs.Introduction to the Jonsered LT 8The Jonsered LT 8 is a high-performance lawn tractor designed to tackle large lawn areas with ease. Built with Scandinavian engineering precision, it combines robust construction with innovative features aimed at enhancing user experience and efficiency. Whether you have a sprawling estate or a commercial property, the LT 8 promises to deliver professional-grade results.Key Highlights:Heavy-duty steel framePowerful engine optionsWide cutting deck for fast mowingComfortable ergonomic designVersatile attachments and accessoriesDesign and Build QualityFrame and ChassisThe

foundation of the Jonsered LT 8 lies in its sturdy steel frame, which ensures durability and stability during operation. The chassis is designed to withstand rough terrain and frequent use, minimizing wear and tear over time.

**Robust Construction:** Heavy-gauge steel for longevity

**Weight Distribution:** Balanced for smooth maneuverability

**Protection Features:** Reinforced bumpers and skid plates

**Ergonomics and Operator Comfort** A significant factor in the LT 8's appeal is its focus on user comfort. Long hours of mowing demand an ergonomic design to reduce fatigue.

**Adjustable Seat:** High-back seat with multiple height settings

**Steering Wheel:** Soft-grip, ergonomically contoured for comfort

**Controls:** Strategically placed for easy access

**Vibration Dampening:** Rubber mounts to minimize operator fatigue

**Design Aesthetics** While functionality is paramount, the LT 8 also boasts a sleek, modern look with its clean lines and premium finish, adding a touch of style to your equipment lineup.

**Engine Performance and Powertrain**

**Engine Options** The Jonsered LT 8 is powered by robust engines that deliver reliable performance across various terrains.

**Briggs & Stratton Series:** Known for durability and efficiency

**Horsepower Range:** Typically between 18-24 HP, depending on the model variant

**Fuel Efficiency:** Optimized for longer operation times with less fuel consumption

**Transmission System** The LT 8 features a hydrostatic transmission, offering seamless speed control and easy operation.

**Variable Speed Control:** No gear shifting needed

**Forward and Reverse:** Smooth transitions for precise maneuvering

**Speed Range:** Generally from 0 to 5 mph, adjustable as needed

**Power Delivery** The powerful engine combined with the hydrostatic transmission ensures the tractor can handle thick grass, uneven terrain, and inclines with confidence.

**Cutting Deck and Mowing Capabilities**

**Deck Specifications** The cutting deck is the core of any lawn tractor, and the LT 8's deck is designed for efficiency and precision.

**Size:** Typically ranges from 48 to 54 inches, ideal for large lawns

**Material:** Heavy-gauge steel for durability

**Cutting Height Adjustment:** Multiple positions, usually from 1.5 to 4 inches

**Blade System:** Mulching and side-discharge options

**Mowing Performance** Thanks to its wide deck and powerful engine, the LT 8 can mow large areas rapidly while maintaining a clean cut.

**Even Cutting:** Adjustable blades ensure uniform height

**Mulching Capability:** Fine clippings for fertilization

**Discharge Options:** Side or rear chute for grass disposal

**Speed and Efficiency:** Variable speeds allow for customized mowing patterns

**Terrain Handling** The large rear tires and sturdy chassis give the LT 8 excellent traction, enabling it to traverse uneven, hilly terrains without losing stability.

**Additional Features and Attachments**

**Operator Convenience Features** The LT 8 is packed with features that enhance usability:

**Dashboard Display:** Shows speed, engine temperature, and maintenance alerts

**Headlights:** Bright LED lights for early morning or evening mowing

**Cup Holders and Storage Compartments:** For added convenience

**Easy Access Controls:** Simplified throttle, PTO engagement, and blade controls

**Attachments and Accessories** Versatility is a key selling point, with numerous attachments available:

**Snow Blades:** For winter utility

**Front Blades:** For grading or snow removal

**Lawn Sweeper:** For debris collection

**Towing Carts:** For transporting garden materials

**Aerators:** For lawn health improvement

**Performance in Real-World Conditions**

**Ease of Use** The Jonsered LT 8 is designed for both novice and experienced users. Its intuitive controls, smooth handling, and adjustable features make mowing straightforward and less labor-intensive.

**Efficiency and Speed** Large cutting decks combined with powerful engines allow for rapid coverage of expansive lawns, significantly reducing mowing time compared to smaller or less capable machines.

**Handling Difficult Terrain** Thanks to its traction and stability, the LT 8

performs well on uneven, hilly, or rough terrains, maintaining consistent cut quality without excessive operator effort.

**Maintenance and Durability**Regular maintenance is straightforward due to accessible components. The heavy-duty build ensures the tractor withstands harsh conditions and prolonged use.

**Engine Oil Changes:** Easy access to filters and oil drain plug

**Blade Sharpening:** Simple removal process

**Chassis Inspection:** Reinforced areas prevent corrosion and damage

**Pros and Cons****Pros:**Powerful engine with excellent torqueWide cutting deck reduces mowing timeErgonomic design minimizes operator fatigueHigh durability with premium materialsVersatile attachments expand functionalitySmooth hydrostatic transmission enhances controlGood traction on varied terrains**Cons:**Higher initial cost compared to basic modelsHeavy weight may complicate transportLarger size requires ample storage spaceMaintenance may require technical knowledgeAvailability of spare parts depends on region

**Comparison with Competitors**When evaluating the Jonsered LT 8, it's helpful to compare it with similar models from brands like Husqvarna, Cub Cadet, and John Deere.

| Feature      | Jonsered LT 8 | Husqvarna TS 142 | Cub Cadet XT2 Enduro | John Deere X350 |
|--------------|---------------|------------------|----------------------|-----------------|
| Engine HP    | 20-24 HP      | 18-22 HP         | 20 HP                | 19 HP           |
| Deck Size    | 48-54 inches  | 42-50 inches     | 42-50 inches         | 42-48 inches    |
| Transmission | Hydrostatic   | Hydrostatic      | Hydrostatic          | Hydrostatic     |
| Price Range  | Premium       | Mid-range        | Mid-range            | Premium         |

The Jonsered LT 8's standout features include its Scandinavian engineering heritage, superior build quality, and versatility, making it a compelling choice for those seeking long-term reliability and performance.

**Final Verdict: Is the Jonsered LT 8 Worth It?**In the landscape of lawn tractors, the Jonsered LT 8 emerges as a premium, high-performance option suited for demanding users. Its combination of powerful engine options, durable construction, and user-centric features makes it an excellent investment for those with large or challenging lawns. While the initial cost may be higher than entry-level models, the durability, efficiency, and versatility offered by the LT 8 justify the investment over time. If you value quality, reliability, and professional-grade results, the Jonsered LT 8 is undoubtedly worth considering.

**Summary:**Ideal for large, complex lawnsBuilt for durability and longevityOffers excellent mowing speed and precisionCompatible with multiple attachments for year-round utilityDesigned with operator comfort in mind

In conclusion, the Jonsered LT 8 stands as one of the top-tier lawn tractors on the market, appealing to serious homeowners and professionals alike. Its Scandinavian engineering, combined with a host of advanced features, ensures that your outdoor maintenance tasks are completed efficiently, comfortably, and reliably. Investing in the LT 8 means investing in a tool that will serve you well for years to come, maintaining the beauty and health of your landscape with ease.

QuestionAnswer

What are the main features of the Jonsered LT 8 lawn tractor?

The Jonsered LT 8 features a robust design with a powerful engine, ergonomic steering, and a large

cutting deck, making lawn maintenance efficient and comfortable.

Is the Jonsered LT 8 suitable for large lawns?

Yes, the Jonsered LT 8 is ideal for large lawns due to its wide cutting deck and high-performance engine, allowing for faster and more efficient mowing.

What type of engine does the Jonsered LT 8 use?

The Jonsered LT 8 is equipped with a reliable, fuel-efficient engine designed to deliver consistent power for demanding mowing tasks.

How do I maintain the Jonsered LT 8 for optimal performance?

Regular maintenance includes checking and replacing the oil, cleaning or replacing the air filter, sharpening the blades, and ensuring the tires are properly inflated.

Are there any common issues reported with the Jonsered LT 8?

Some users have reported issues with the ignition system and blade sharpening, but these are typically resolved with proper maintenance and part replacements.

What safety features are included with the Jonsered LT 8?

The lawn tractor features safety switches, a blade brake system, and ergonomic controls to ensure safe operation during use.

Can I customize or upgrade parts on the Jonsered LT 8?

Yes, compatible attachments and replacement parts such as blades and filters are available for upgrades and customization to suit your mowing needs.

How does the Jonsered LT 8 compare to other lawn tractors in its class?

The Jonsered LT 8 is known for its durability, cutting efficiency, and user comfort, making it a competitive choice among similar lawn tractors for both residential and commercial use.

Where can I purchase genuine parts and accessories for the Jonsered LT 8?

Genuine parts and accessories can be purchased through authorized Jonsered dealers, service centers, or the official website.

Related keywords: Jonsered, LT 8, chainsaw, outdoor power tools, forestry equipment, garden machinery, chain saw, Jonsered chainsaw, petrol chainsaw, professional saw