

Lazer SHR150L

Lazer SHR150L Wood Chipper Instruction Manual

Model: SHR150L

1. INTRODUCTION AND PRODUCT OVERVIEW

The Lazer SHR150L Wood Chipper is a robust machine designed for efficiently processing branches and garden waste into mulch. It features a powerful LCT 414 cc, 13 hp engine, capable of chipping branches up to 85 mm in diameter. This model offers both electric and manual starting options for convenience. Its large self-feeding hopper simplifies material input, and the inclusion of 12-inch tires and a tow hitch allows for easy transport behind a lawnmower or similar vehicle.

This manual provides essential information for the safe operation, proper maintenance, and effective troubleshooting of your Lazer SHR150L Wood Chipper. Please read it thoroughly before initial use and keep it for future reference.



Figure 1.1: Overview of the Lazer SHR150L Wood Chipper. This image shows the complete assembly of the wood chipper, highlighting its large input hopper, engine housing, discharge chute, and robust 12-inch wheels for mobility.

2. SAFETY INSTRUCTIONS

Operating a wood chipper can be hazardous if proper safety precautions are not followed. Always prioritize your safety and the safety of others.

- **Read the Manual:** Thoroughly read and understand all instructions and safety warnings in this manual before operating the machine.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses or goggles, hearing protection, heavy-duty gloves, and sturdy footwear. Avoid loose clothing or jewelry that could get caught in moving parts.
- **Bystander Safety:** Keep children, pets, and bystanders at a safe distance (at least 15 meters or 50 feet) from the operating area.
- **Stable Surface:** Operate the chipper on a firm, level surface to prevent tipping or instability.
- **Clear Work Area:** Ensure the work area is clear of obstacles, debris, and other hazards. Plan your chipping process to avoid awkward movements.
- **Engine Off Before Maintenance:** Always turn off the engine, disconnect the spark plug wire, and ensure all moving parts have stopped before performing any maintenance, clearing jams, or making adjustments.
- **Fuel Safety:** Refuel in a well-ventilated area with the engine off and cool. Do not smoke or use open flames near fuel. Wipe up any spilled fuel immediately.
- **Material Handling:** Never place hands or feet into the hopper or discharge chute. Use a push stick for small or short branches if necessary. Feed material slowly and steadily.
- **Weather Conditions:** Do not operate the chipper in wet conditions, rain, or on slippery surfaces.
- **Inspect Before Use:** Before each use, inspect the chipper for loose fasteners, damaged parts, or worn blades. Do not operate a damaged machine.

3. SETUP AND ASSEMBLY

Follow these steps to prepare your Lazer SHR150L Wood Chipper for operation.

1. **Unpacking:** Carefully remove all components from the packaging. Check for any shipping damage and ensure all parts listed in the packing list are present.
2. **Wheel and Handle Assembly:** Attach the 12-inch wheels and the handle/tow bar assembly using the provided hardware. Ensure all bolts are securely tightened.
3. **Fluid Levels:**
 - **Engine Oil:** Fill the engine crankcase with the recommended type and amount of engine oil (refer to the engine manual for specifics). Do not overfill.
 - **Fuel:** Fill the fuel tank with fresh, unleaded gasoline. Do not use E85 or other ethanol-heavy fuels. Leave space for fuel expansion.
4. **Battery Connection (for Electric Start):** If equipped with an electric start, connect the battery terminals according to the instructions provided with the battery. Ensure correct polarity.
5. **Positioning:** Place the chipper on a firm, level surface in a well-ventilated outdoor area. Ensure the discharge chute is directed away from people, buildings, and other obstacles.
6. **Towing (Optional):** If towing, securely attach the tow bar to a suitable towing vehicle (e.g., lawnmower, ATV) using a proper hitch pin. Ensure the connection is secure before moving.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your Lazer SHR150L Wood Chipper.

4.1 Starting the Engine

1. **Fuel Valve:** Open the fuel valve.
2. **Choke:** Move the choke lever to the 'CHOKE' position (if the engine is cold).
3. **Throttle:** Set the throttle lever to the 'FAST' position.
4. **Starting Method:**
 - **Electric Start:** Turn the ignition key to the 'START' position and hold until the engine starts. Release the key once the engine runs.
 - **Manual Start:** Grasp the starter rope handle firmly and pull it slowly until resistance is felt, then pull quickly and smoothly. Repeat until the engine starts.
5. **Warm-up:** Once the engine starts, gradually move the choke lever to the 'RUN' position as the engine warms up. Allow the engine to warm up for a few minutes before chipping.

4.2 Chipping Material

1. **Prepare Material:** Ensure branches are free of dirt, rocks, metal, or other foreign objects. The maximum branch diameter is 85 mm.
2. **Feed Slowly:** Feed branches into the hopper one at a time, butt-end first. Allow the self-feeding mechanism to pull the material in. Do not force material.
3. **Monitor Engine:** Listen to the engine. If it bogs down, reduce the feeding rate.
4. **Clear Jams:** If a jam occurs, immediately stop the engine. Refer to the 'Troubleshooting' section for clearing instructions.
5. **Discharge:** Ensure the discharge chute is clear and the chipped material is accumulating in a safe area.

4.3 Stopping the Engine

1. **Throttle:** Move the throttle lever to the 'SLOW' or 'IDLE' position and allow the engine to cool down for a few minutes.
2. **Ignition:** Turn the ignition key to the 'OFF' position or move the engine stop switch to 'OFF'.
3. **Fuel Valve:** Close the fuel valve to prevent fuel leakage during storage or transport.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Lazer SHR150L Wood Chipper. Always ensure the engine is off and cool, and the spark plug wire is disconnected before performing any maintenance.

5.1 Engine Maintenance

- **Oil Change:** Change the engine oil after the first 5 hours of operation, then every 25-50 hours or annually, whichever comes first. Refer to the engine manual for oil type and capacity.
- **Air Filter:** Clean the air filter every 10-25 hours or more frequently in dusty conditions. Replace if damaged.
- **Spark Plug:** Inspect and clean the spark plug every 50 hours or annually. Replace if worn or fouled. Ensure correct gap.
- **Fuel Filter:** Inspect and replace the fuel filter annually or as needed.

5.2 Chipper Blade Maintenance

- **Blade Inspection:** Regularly inspect the chipping blades for sharpness, nicks, or damage. Dull blades reduce performance and put strain on the engine.
- **Blade Sharpening/Replacement:** The SHR150L uses a drum with 2 reversible blades. When one edge becomes dull, the blade can be reversed to use the second edge. When both edges are dull, the blades must be sharpened by a qualified technician or replaced with genuine Lazer replacement blades.
- **Blade Gap:** Ensure the blade gap is correctly set after replacement or sharpening (refer to service manual if available).

5.3 General Maintenance

- **Cleaning:** After each use, clean the chipper of debris, especially around the engine and discharge chute. Avoid using high-pressure water directly on electrical components.
- **Lubrication:** Lubricate any grease fittings or pivot points as recommended in the engine manual or service guide.
- **Fasteners:** Periodically check all nuts, bolts, and screws for tightness. Tighten as necessary.
- **Storage:** For long-term storage, drain the fuel tank or use a fuel stabilizer. Store the chipper in a dry, protected area.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Lazer SHR150L Wood Chipper. Always ensure the engine is off and cool, and the spark plug wire is disconnected before attempting any troubleshooting or repairs.

Problem	Possible Cause	Solution
Engine will not start	<ul style="list-style-type: none"> • No fuel or stale fuel • Choke not set correctly • Spark plug faulty or dirty • Ignition switch off • Battery low (electric start) 	<ul style="list-style-type: none"> • Fill with fresh fuel • Adjust choke lever • Clean or replace spark plug • Turn ignition switch to 'ON' • Charge or replace battery
Chipper jams frequently	<ul style="list-style-type: none"> • Feeding too fast • Material too large or wet • Dull blades • Discharge chute clogged 	<ul style="list-style-type: none"> • Reduce feeding rate • Only chip dry material within capacity • Sharpen or replace blades • Clear chute (engine off!)
Poor chipping performance	<ul style="list-style-type: none"> • Dull or damaged blades • Incorrect blade gap • Engine running at low RPM 	<ul style="list-style-type: none"> • Sharpen or replace blades • Adjust blade gap (professional service recommended) • Ensure throttle is at 'FAST' setting
Excessive vibration	<ul style="list-style-type: none"> • Unbalanced blades • Loose fasteners • Bent shaft 	<ul style="list-style-type: none"> • Inspect and balance/replace blades • Check and tighten all fasteners • Contact service center

If you encounter a problem not listed here, or if the suggested solutions do not resolve the issue, please contact an authorized Lazer service center.

7. SPECIFICATIONS

Key technical specifications for the Lazer SHR150L Wood Chipper:

- **Model:** SHR150L
- **Engine Type:** LCT 414 cc
- **Engine Power:** 13 hp
- **Starting System:** Electric and Manual Launcher
- **Maximum Branch Diameter:** 85 mm
- **Chipping Mechanism:** Drum with 2 reversible blades
- **Tires:** 12 inch
- **Mobility:** Handle and tow hitch for attachment behind a lawnmower
- **Manufacturer:** Lazer
- **ASIN:** B01N9VF9YH
- **First Available Date:** February 21, 2020

8. WARRANTY AND SUPPORT

For detailed warranty information, including terms, conditions, and duration, please refer to the warranty card included with your product or visit the official Lazer website. Keep your original purchase receipt as proof of purchase, as it will be required for any warranty claims.

For technical support, spare parts, or service inquiries, please contact your authorized Lazer dealer or the Lazer customer service department. Contact information can typically be found on the Lazer website or in your product packaging.

When contacting support, please have your product model (SHR150L) and serial number (if applicable) readily available to assist with faster service.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details.](#)

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question