

Sun Joe LJ10M

Sun Joe LJ10M 10-Ton Hydraulic Log Splitter User Manual

Model: LJ10M

1. INTRODUCTION

This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your Sun Joe LJ10M 10-Ton Hydraulic Log Splitter. Please read this manual thoroughly before operating the equipment to ensure proper use and to prevent injury or damage. Keep this manual for future reference.



Image 1.1: The Sun Joe LJ10M 10-Ton Hydraulic Log Splitter, a manual tool designed for splitting logs.

2. SAFETY INFORMATION

Operating any log splitter requires adherence to strict safety guidelines to prevent accidents and injuries. Always prioritize your safety and the safety of others in the work area.

General Safety Rules

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Ensure the work area is clear of bystanders, children, and pets.
- Operate the log splitter on a firm, level surface to prevent tipping.
- Do not operate the machine under the influence of drugs, alcohol, or medication that could impair judgment.
- Inspect the log splitter before each use for any signs of damage or loose components.

Specific Log Splitter Safety

- Keep hands and feet clear of the splitting wedge and ram at all times.
- Only split logs that fit within the specified dimensions (maximum 18 inches long, 8 inches wide).
- Do not attempt to split logs containing nails, wire, or other foreign objects.
- Be aware of the Proposition 65 warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your hydraulic log splitter:

- **Splitting Wedge:** The component that applies force to split the log.
- **Hydraulic Ram:** The piston that pushes the log against the wedge.
- **Operating Handles:** Two levers used to activate the hydraulic pump.
- **Log Cradle:** Supports the log during splitting and helps prevent split wood from falling.
- **Ram Return Spring:** Facilitates quick retraction of the ram after splitting.
- **Rear Wheels:** For portability and easy movement of the unit.

LOG ON. LOG OFF. THEN SPLIT.



Manual Hydraulic LOG SPLITTER

10-ton Ram Force





Rear Wheels
For easy portability.



2-speed Hydraulic Pump
Requiring no gas or electricity.



Durable Steel Construction
Built from heavy-duty steel for long-lasting durability.



Weather-Resistant Coating
Protective coating keeps the steel frame safe from elements.

Image 3.1: Overview of the Sun Joe LJ10M Log Splitter highlighting its key features including rear wheels, 2-speed hydraulic pump, durable steel construction, and weather-resistant coating.

4. SETUP

The Sun Joe LJ10M log splitter typically requires minimal assembly and is designed for immediate use. Follow these steps to prepare your unit:

1. **Unpacking:** Carefully remove the log splitter from its packaging. Inspect for any shipping damage.
2. **Positioning:** Place the log splitter on a flat, stable, and level surface. This is crucial for safe and effective operation.
3. **Handle Installation (if required):** If the operating handles are not pre-installed, attach them securely according to the diagrams in the separate assembly guide (if provided).

5. OPERATING INSTRUCTIONS

The Sun Joe LJ10M utilizes a manual hydraulic system to split logs. Follow these steps for efficient and safe operation:

Preparing the Log

- Select logs that are no more than 18 inches (46 cm) in length and 8 inches (20.3 cm) in diameter.
- Ensure logs are free of branches, knots, or foreign objects that could impede splitting.
- Place the log firmly in the log cradle against the splitting wedge.



Image 5.1: A user positioning a log on the Sun Joe LJ10M log splitter, ready for operation.

Splitting the Log

1. **Engage the Pump:** Use the two operating handles to pump the hydraulic ram forward. The 2-speed pump allows for faster initial movement and then increased force for splitting.
2. **Apply Force:** Continue pumping the handles. The hydraulic ram will push the log against the splitting wedge, applying up to 10 tons of force to split the wood.
3. **Observe Splitting:** The log cradle helps keep the log stable as it splits.



Image 5.2: A close-up view demonstrating the splitting action of the Sun Joe LJ10M, showing the wedge penetrating the log.

Ram Return

Once the log is split, turn the knob (typically located near the hydraulic cylinder) to release the hydraulic pressure. The ram return spring will automatically retract the ram, preparing the splitter for the next log. This mechanism ensures quick resets for continuous splitting.

LOG ON. LOG OFF. THEN SPLIT.



Easy to Use

features longer handles for maximum leverage.

Piston Rod

With the turn of a knob the ram return spring will quickly reset.



Image 5.3: A detailed view of the piston rod and the knob for activating the ram return spring, illustrating the ease of use and quick reset feature.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Sun Joe LJ10M log splitter.

- **Cleaning:** After each use, clean the log splitter to remove wood chips, dirt, and debris. A weather-resistant coating protects the steel frame from elements.
- **Hydraulic Fluid:** Periodically check the hydraulic fluid level. Refer to the specific instructions in the full product manual for checking and refilling hydraulic fluid. If you notice any leaks, tighten connections or consult a qualified service technician.
- **Lubrication:** Lubricate moving parts as recommended in the full product manual.
- **Storage:** Store the log splitter in a dry, protected area when not in use. Its compact design and rear wheels facilitate easy storage and portability.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your log splitter.

Problem	Possible Cause	Solution
Log splitter not developing full force.	Low hydraulic fluid level; air in the hydraulic system; log too large or dense.	Check hydraulic fluid level and refill if necessary. Bleed air from the system (refer to full manual). Ensure logs are within specified dimensions.
Ram does not retract fully or quickly.	Ram return spring issue; pressure relief valve not fully open.	Ensure the pressure relief knob is fully opened. Inspect the ram return spring for damage.
Hydraulic fluid leak.	Loose fittings; damaged seals.	Tighten all hydraulic fittings. If leaks persist, contact customer support.
Difficulty moving the unit.	Operating on uneven or soft terrain.	Move the unit on hard, level surfaces. Consider using a cart for transport over rough terrain.

8. SPECIFICATIONS

Key technical specifications for the Sun Joe LJ10M 10-Ton Hydraulic Log Splitter:

Model: LJ10M

Splitting Force: 10 Tons

Max Log Length: 18 inches (46 cm)

Max Log Diameter: 8 inches (20.3 cm)

Min Log Length: 13.5 inches (34.3 cm)

Weight: 87 pounds (39.5 kg)

Dimensions (L x W x H): 41.12 x 8.12 x 11.8 inches (104.4 x 20.6 x 30 cm)

Hydraulic Pump: 2-speed manual

Construction: Durable Steel

LOG ON. LOG OFF. THEN SPLIT.

Splitting Force Max
10-Ton


SUNJOE®

LOG LENGTH MAX

18"
46 CM

LOG LENGTH MIN

13.5"
34.3 CM

LOG DIAMETER MAX

8"
20.3 CM

WEIGHT



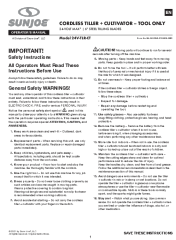


87
POUNDS

Image 8.1: A visual summary of the Sun Joe LJ10M's key specifications, including maximum splitting force, log dimensions, and weight.

9. WARRANTY AND SUPPORT

Sun Joe products are designed for reliability and performance. For warranty information, product registration, or technical support, please refer to the official Sun Joe website or contact their customer service department. Protection plans may also be available for extended coverage.

For additional resources, visit the official Sun Joe store: [Sun Joe Store on Amazon](#)

	<p>Sun Joe LJ10M Hydraulic Log Splitter Operator's Manual</p> <p>This operator's manual provides essential safety instructions, operating procedures, maintenance guidelines, and troubleshooting tips for the Sun Joe LJ10M Hydraulic Log Splitter. Learn how to safely and effectively use your log splitter.</p>
	<p>Sun Joe LJ602E Electric Log Splitter Operator's Manual</p> <p>This operator's manual provides essential safety instructions, operating procedures, maintenance guidelines, and troubleshooting tips for the Sun Joe LJ602E electric log splitter.</p>
	<p>Sun Joe 24V-TLR-CT Cordless Tiller Cultivator Operator's Manual</p> <p>Operator's manual for the Sun Joe 24V-TLR-CT cordless tiller and cultivator. Covers safety, operation, maintenance, and troubleshooting for this 24V MAX garden tool. Visit sunjoe.com for more information.</p>
	<p>Sun Joe 24V-X2-BVM143 Cordless Blower, Vacuum, Mulcher: Operator's Manual & Safety Guide</p> <p>Explore the Sun Joe 24V-X2-BVM143 Cordless Blower, Vacuum, and Mulcher with this comprehensive operator's manual. Learn about safety, operation, assembly, maintenance, and troubleshooting for your yard work needs.</p>
	<p>Sun Joe Cordless Handheld Sprayer SJ-APS-022 User Manual and Safety Instructions</p> <p>This manual provides essential safety instructions, operating guidelines, and maintenance information for the Sun Joe SJ-APS-022 Cordless Handheld Sprayer. Learn about its features, technical data, and warranty.</p>

GUARDE ESTAS INSTRUCCIONES



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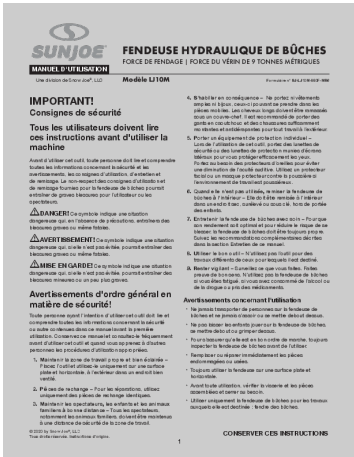
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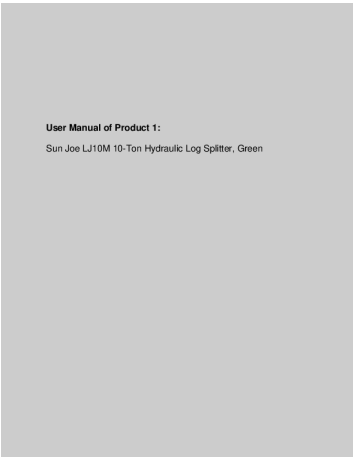
10-TON HYDRAULIC LOG SPLITTER A Division of Snow Joe, LLC Model **LJ10M** Form No. SJ-**LJ10M**-880E-M OPERATOR S MANUAL IMPORTANT Safety Instructions All Operators Must Read These Instructions Before Use The operator must read and understand all safety and warning information, operating instructions, ... lang:en score:39 filesize: 542.78 K page_count: 12 document date: 2015-02-27



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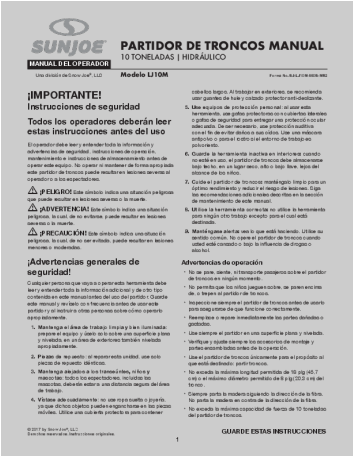




[pdf] User Manual Owner's Manual Instructions Diagram

User Manual Sun Joe LJ10M 10 Ton Hydraulic Log Splitter Green ESTWING Sure Strike Drilling Crack Hammer 2 Pound Sledge with Fiberglass Handle No Slip Cushion Grip MRF2LB Blue Yellow Patio Lawn Garden 91HoiWQZUmL m media amazon images I |||

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