

## Lumber Jack YTL-590-180

# Lumber Jack 28-Ton Log Splitter with Honda GX200 Engine User Manual

Model: YTL-590-180

## 1. INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your Lumber Jack 28-Ton Log Splitter, powered by a Honda GX200 engine. Please read this manual thoroughly before operating the equipment to ensure your safety and the longevity of the machine. Keep this manual for future reference.

## 2. SAFETY INFORMATION

**WARNING:** Failure to follow these safety instructions can result in serious injury or death.

### 2.1 General Safety Rules

- Always operate the log splitter on a level, stable surface.
- Keep children and pets at a safe distance (at least 50 feet) from the operating area.
- Never allow anyone to ride on the log splitter.
- Do not operate the log splitter under the influence of alcohol, drugs, or medication that may impair judgment.
- Ensure all guards and safety devices are in place and functioning correctly before operation.
- Never attempt to split logs larger than the specified maximum length (26 inches).
- Always use two hands to operate the controls, keeping hands clear of the splitting wedge and ram.
- Do not wear loose clothing, jewelry, or anything that could get caught in moving parts.

### 2.2 Personal Protective Equipment (PPE)

- **Eye Protection:** Always wear safety glasses or goggles.
- **Hand Protection:** Wear heavy-duty work gloves.
- **Foot Protection:** Wear steel-toed boots.

- **Hearing Protection:** Use earplugs or earmuffs.

## 2.3 Fuel Safety (Honda GX200 Engine)

- Refuel in a well-ventilated area with the engine off and cool.
- Do not smoke or allow open flames near the fuel tank.
- Wipe up any spilled fuel immediately.
- Store fuel in approved containers away from ignition sources.

## 3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your log splitter before operation.



**Figure 1:** An overhead view of the Lumber Jack 28-Ton Log Splitter, showcasing its robust frame, hydraulic cylinder, splitting wedge, log cradle, and the integrated Honda GX200 engine. The unit is mounted on wheels for portability and features a tow hitch.

- **Honda GX200 Engine:** Powers the hydraulic pump.
- **Hydraulic Cylinder:** Provides the force to split logs.
- **Splitting Wedge:** The sharp edge that splits the log.
- **Log Cradle:** Holds the log securely in place during splitting.
- **Control Lever:** Activates the hydraulic ram.
- **Wheels:** For portability and towing.
- **Tow Hitch:** For connecting to a towing vehicle.

## 4. SETUP AND ASSEMBLY

The log splitter requires some assembly before initial use. It is recommended that two people assist with assembly due to the weight of the components.

### 4.1 Unpacking

1. Carefully remove all components from the packaging.
2. Check for any shipping damage. If damage is found, contact your dealer immediately.
3. Verify all parts are present against the packing list (not provided in this manual, refer to product documentation).

## 4.2 Initial Checks and Fluid Levels

- **Engine Oil:** Check the engine oil level using the dipstick. Fill with recommended oil (refer to Honda GX200 engine manual) to the proper level.
- **Hydraulic Fluid:** Verify the hydraulic fluid level. Ensure it is within the recommended range. Use only approved hydraulic fluid.
- **Tire Pressure:** Check and inflate tires to the recommended pressure (refer to tire sidewall).
- **Fasteners:** Ensure all nuts, bolts, and fittings are securely tightened.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Starting the Engine

1. Ensure the log splitter is on a level surface.
2. Check engine oil and fuel levels.
3. Open the fuel valve.
4. Move the choke lever to the 'CLOSED' position (if engine is cold).
5. Move the throttle lever to the 'FAST' position.
6. Pull the starter grip slowly until resistance is felt, then pull briskly.
7. Once the engine starts, gradually move the choke lever to the 'OPEN' position.

### 5.2 Splitting Logs

1. Place a log firmly in the log cradle against the splitting wedge. Ensure the log is centered and stable.
2. With both hands, engage the control lever to extend the hydraulic ram and push the log into the wedge.
3. Once the log is split, release the control lever to retract the ram.
4. Remove the split wood and any debris from the splitting area.

### 5.3 Shutting Down

1. Move the throttle lever to the 'SLOW' position and allow the engine to idle for a few minutes to cool down.
2. Move the engine switch to the 'OFF' position.
3. Close the fuel valve.

## 6. MAINTENANCE

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Regular maintenance is crucial for the safe and efficient operation of your log splitter.

### 6.1 Engine Maintenance (Honda GX200)

- **Oil Change:** Change engine oil after the first 20 hours of operation, then every 50 hours or annually.
- **Air Filter:** Clean or replace the air filter regularly, more often in dusty conditions.

- **Spark Plug:** Inspect and clean the spark plug annually. Replace if necessary.
- Refer to the separate Honda GX200 engine manual for detailed maintenance procedures.

## 6.2 Hydraulic System Maintenance

- **Fluid Level:** Check hydraulic fluid level before each use.
- **Filter:** Inspect and replace the hydraulic filter as recommended by the manufacturer (typically annually or after 100 hours of operation).
- **Hoses and Fittings:** Inspect hydraulic hoses and fittings for leaks or damage. Replace any damaged components immediately.

## 6.3 General Maintenance

- **Wedge:** Keep the splitting wedge sharp and free of burrs.
- **Cleaning:** Clean the log splitter after each use, removing wood chips and debris.
- **Storage:** Store the log splitter in a dry, protected area when not in use.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Engine will not start	No fuel; Choke not set; Spark plug issue; Low oil level	Check fuel tank; Adjust choke; Inspect/replace spark plug; Add engine oil.
Loss of splitting power	Low hydraulic fluid; Air in hydraulic system; Worn pump; Dull wedge	Check/add hydraulic fluid; Bleed air from system; Consult service technician; Sharpen wedge.
Hydraulic fluid leak	Loose fittings; Damaged hose; Worn seals	Tighten fittings; Replace damaged hose; Consult service technician for seal replacement.
Ram does not retract	Control valve issue; Air in system	Cycle control lever; Bleed air from system; Consult service technician.

## 8. SPECIFICATIONS

Specification	Value
Model Number	YTL-590-180
Engine	Honda GX200
Splitting Force	28 Tons
Maximum Pressure	4000 PSI
Cycle Time	11.5 Seconds

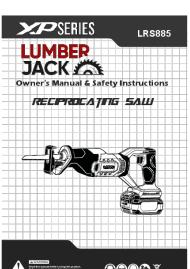
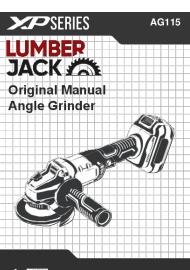
Specification	Value
Maximum Log Length	26 inches
Cylinder Diameter	4.3 inches
Pump Flow Rate	14 GPM
Wedge Height	9 inches
Wheel Size	16 inches / 4.80 x 8 DOT approved tires
Weight	440.7 lbs
Package Dimensions	82.7" x 22.4" x 24.4"

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided at the time of purchase or contact the retailer where the product was acquired. You may also visit the official Lumber Jack website or contact their customer service department for assistance with your YTL-590-180 log splitter. For parts and service, you may contact authorized service centers or the seller, Jacks Small Engines, for guidance.

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### Related Documents - YTL-590-180

	<p><a href="#"><u>Lumber Jack LRS885 Reciprocating Saw Owner's Manual &amp; Safety Instructions</u></a></p> <p>This manual provides essential safety instructions and operational guidance for the Lumber Jack LRS885 Reciprocating Saw. Learn about safe usage, maintenance, and technical specifications.</p>
	<p><a href="#"><u>LUMBER JACK AG115 Angle Grinder: Owner's Manual and Safety Instructions</u></a></p> <p>This document provides comprehensive owner's manual and safety instructions for the LUMBER JACK AG115 Angle Grinder, covering general safety, tool usage, maintenance, and technical specifications.</p>

 <p><b>ORIGINAL INSTRUCTIONS</b></p> <p><b>LUMBER JACK</b> OBS500</p>	<p><a href="#"><u>Lumber Jack OBS500 Oscillating Bobbin Sander Safety and Operating Manual</u></a></p> <p>This manual provides comprehensive safety instructions, operating procedures, assembly guides, specifications, and maintenance information for the Lumber Jack OBS500 Oscillating Bobbin Sander.</p>
 <p><b>ORIGINAL INSTRUCTIONS</b></p> <p><b>LUMBER JACK</b> LSM12DSA</p>	<p><a href="#"><u>Lumber Jack LSM-12DSA 12" Heavy Duty Mitre Saw Safety and Operating Manual</u></a></p> <p>Comprehensive safety and operating manual for the Lumber Jack LSM-12DSA 12-inch heavy-duty mitre saw. Includes intended use, specifications, safety instructions, operation guides, maintenance, and parts list.</p>
 <p><b>ORIGINAL INSTRUCTIONS</b></p> <p><b>LUMBER JACK</b> BG150-2</p>	<p><a href="#"><u>LUMBER JACK BG150-2 6" Bench Grinder Safety and Operating Manual</u></a></p> <p>This safety and operating manual provides essential information for the LUMBER JACK BG150-2 6" Bench Grinder, covering setup, safe operation, maintenance, and specifications. Ensure proper use and longevity of your tool.</p>
 <p><b>ASSEMBLY &amp; OPERATING INSTRUCTIONS</b></p> <p><b>27 TON LOG SPLITTER</b></p> <p><small>⚠ This safety alert symbol identifies important safety messages in this manual. Failure to do so could result in serious injury or death.</small></p> <p><small>© 2018 YTL International. All rights reserved.</small></p>	<p><a href="#"><u>27 Ton Log Splitter: Assembly &amp; Operating Instructions   YTL International</u></a></p> <p>Comprehensive assembly and operating instructions for the YTL International 27 Ton Gas Log Splitter. Includes safety warnings, maintenance, troubleshooting, and specifications for safe and efficient operation.</p>