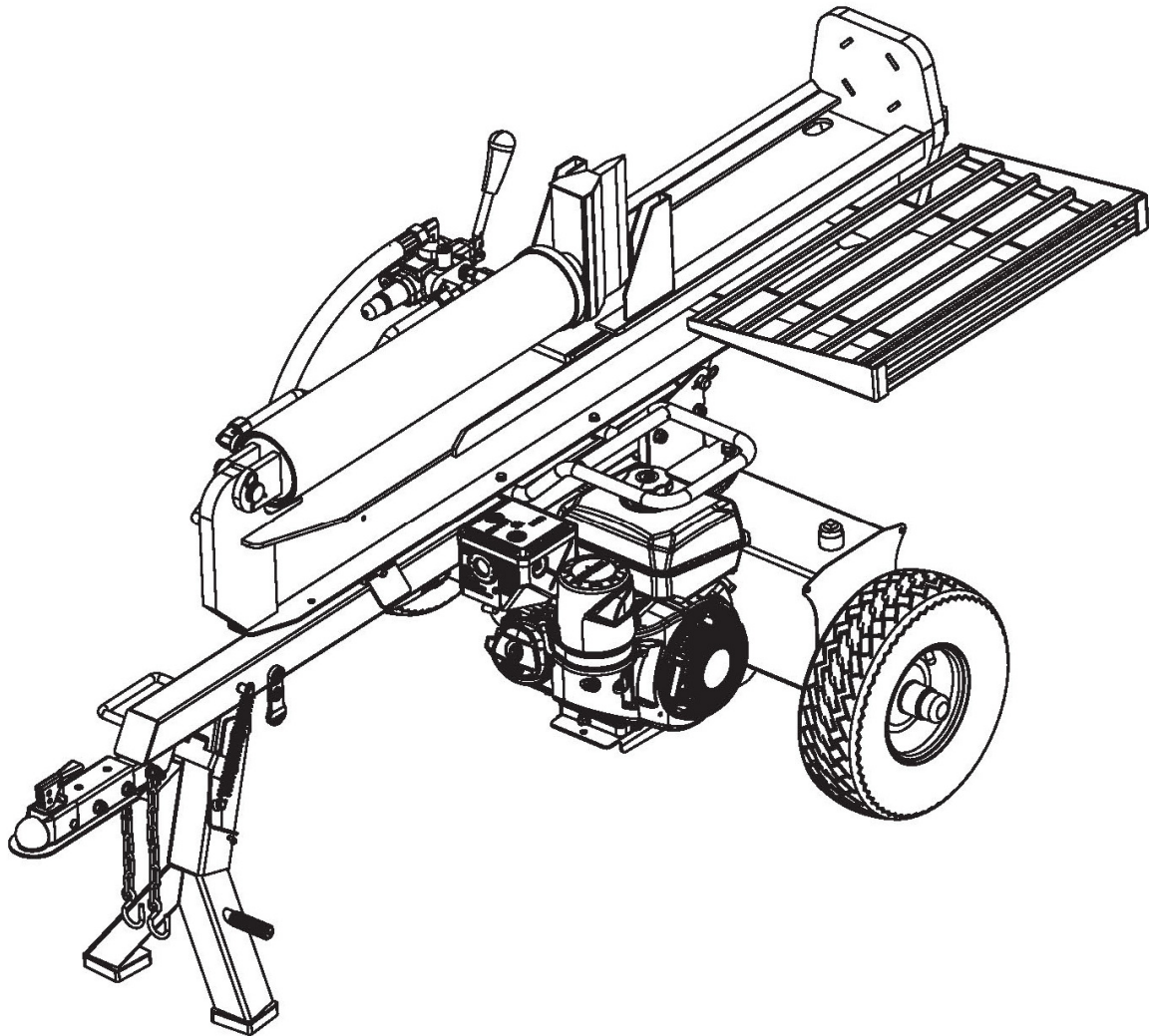




COUNTYLINE®

40 TON LOG SPLITTER



SKU# 6110686

Owner's Manual

ASSEMBLY & OPERATING INSTRUCTIONS



This safety alert symbol identifies important safety messages in this manual. Failure to do so could result in serious injury or death.

Table of Contents

Important Safety Information.....	3-6
Intended Use.....	3
Personal Protective Equipment.....	3
Safety Decals.....	3-4
General Safety.....	5
Work Area.....	5
Preparation of the Log.....	5
Operation of the Log Splitter.....	5
General Repair.....	5
Maintenance Safety.....	6
Fire Prevention.....	6
Towing Safety.....	6
Assembly Instructions.....	7-11
Controls and Features Identification.....	12
Operating Instructions.....	13-16
Engine Oil Recommendations.....	13
Starting Instructions.....	13
Operation.....	13-14
Towing.....	14
Maintenance.....	15
Splitter Positions.....	16
Troubleshooting.....	17
Specifications.....	18
Drawing& Parts List.....	19-22
Limited Warranty.....	23

IMPORTANT SAFETY INFORMATION



WARNING: Read and understand all instructions and safety information in this manual and on safety decals before assembling or operating this log splitter. Failure to understand may cause serious injury or death. Do not allow anyone to operate this log splitter who has not read this manual. A log splitter can be dangerous if assembled or used improperly. Do not operate this log splitter if you have any questions concerning safe operation. Call our technical support department at 1-888-376-9601 for answer to any questions.



WARNING: This product can expose you to chemicals including lead and lead compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in serious injury or death.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in serious injury or death.

CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

INTENDED USE

NEVER use this log splitter for any other purposes than splitting wood. It is designed for this use **only**. Any other use can cause serious injury or death and void warranty.

PERSONAL PROTECTIVE EQUIPMENT



BEFORE operating this log splitter make sure that you wear safety gear such as eye protection, steel toed shoes and tight-fitting gloves (without loose cuffs or draw strings). Hearing protection is required when operating this log splitter. Logs, especially knotty and twisted pieces can be unpredictable. There is a chance a log will come off the log splitter unpredictably when being split. Take Precautions against flying debris.

SAFETY DECALS

Make sure that all safety warning decals are in good condition and readable. Always replace missing or damaged decals. Contact at 1-888-376-9601 for replacement decals.

⚠ WARNING

To minimize risk to you or others of serious injury or death while towing:

- Read and understand the owner's manual on how to properly attach the coupler to the hitch ball and how to safety tow.
- ALWAYS confirm all local and state regulations regarding towing, licensing, and lights before towing your log splitter.
- Ensure the correct ball size is being used.
- Do not exceed hitch ball or coupler load limits.
- Ensure safety chains are attached prior to towing.
- Do not exceed a maximum towing speed of 45 mph.
- Avoid turning sharply and steep angles.
- Ensure the tightness of the coupler each time before towing.
- Replace the hitch ball or coupler if damaged.
- This product can expose you to chemicals including lead and lead compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

PART NUMBER: 20231226001

LOCATION: TOP, FRONT END OF TONGUE

IMPORTANT SAFETY INFORMATION

DANGER

HOT! DO NOT TOUCH!

WARNING

To minimize the risk of serious injury or death:

- Read and thoroughly understand owner's manual and engine manual before assembly, operation, towing and maintenance.
- Only one operator permitted. Must operate in operator zone. Keep all bystanders and pets away.
- Do not step or reach over splitter during operation.
- Load logs by the sides, never by ends.
- Keep hands, body and clothing away from moving parts when splitting.
- Do not operate indoors.
- Do not check for high pressure oil leaks with your hands. Use cardboard.
- Wear safety glasses, shoes and hearing devices.
- Do not operate if tired or under influence of alcohol or drugs.
- Hot surface. Do NOT touch hot cylinder.

OPERATING INSTRUCTIONS

- 1.Place splitter on dry, level surface. Remove debris from work area.
- 2.Start engine. Advance throttle to max.
- 3.Place log onto beam, against foot plate.
- 4.Split wood in direction of grain.
- 5.Move control handle to **EXTEND** or **RETRACT** as required.

Control Valve

Retract

↑

Extend

↓

The cylinder will retract entirely when the valve is put into the retract position.

Best practices for loading logs for splitting.

For Responsive Service

Call 1-888-376-9601

PART NUMBER: 20240418001
LOCATION: TOP OF HYDRAULIC
CYLINDER

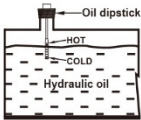
 DANGER	WARNING
 PINCH POINT Keep Hands Clear	Do not reach or step across the rail while the log splitter is running. This is a very UNSAFE method which could cause personal injury or even death.

PART NUMBER: 20240402002
LOCATION: STRIPPER PLATE,
OPERATOR SIDE

NOTICE

Do not thread in the dipstick when checking the hydraulic oil level. The hydraulic oil should be checked when the machine is cold and level. The oil should be kept above the "COLD" line. Never fill the oil level above the "HOT" line when the unit is cold. This will result in oil being expelled through the vent on the dipstick.

Recommended hydraulic oil viscosity is based on the outside operating temperatures in the table below.



°F		°C		Oil Viscosity
-20	0	-20	0	AW46
10	20	-10	10	AW32
32	40	0	10	AW32
50	60	10	20	AW32
80	100	30	40	Automatic Transmission Fluid

Solid zone: Recommended
Hatched zone: Acceptable

PART NUMBER: 20231226002
LOCATION: TOP OF OIL TANK

A rectangular warning label with a black border. The top half has a solid orange background with a black exclamation mark icon inside a triangle on the left, followed by the word "WARNING" in bold black capital letters. The bottom half has a white background with the text "Before towing check that beam latch pin is completely locked." in black.

PART NUMBER: 20170425005
LOCATION: END OF TOW BAR

PART NUMBER: 20180320007
LOCATION: SUPPORT LEG

IMPORTANT SAFETY INFORMATION

GENERAL SAFETY

- **ALWAYS** keep the operator's manual in canister for reference. Reread the manual periodically.
- **ALWAYS** keep all bystanders and pets a minimum of 10 feet away from your work area when operating this log splitter. Only the operator is to be near the log splitter during use.
- **NEVER** actuate the control valve until all people are clear of the work area.
- **NEVER** wear jewelry, loose-fitting clothing, or clothing with hanging cords or ties that might become entangled in moving or rotating parts of the machine.
- **NEVER** allow adults lacking proper instructions and understanding to operate this log splitter.
- **NEVER** operate the log splitter when under the influence of drugs, alcohol or medication or when otherwise not alert enough to operate this log splitter.
- **DO NOT** allow children to play on, stand upon, climb on or operate the log splitter at any time.
- Hot surface. Do NOT touch hot cylinder.

WORK AREA

- **NEVER** operate the log splitter on wet, icy, slippery or unstable ground.
- **NEVER** operate the log splitter in an enclosed area. Exhaust fumes contain carbon monoxide which are deadly.
- **ONLY** operate the log splitter in good lighting conditions.
- **ONLY** operate the log splitter on level ground. Operating on a slope could cause log splitter to move or logs to fall off.
- **ALWAYS** keep the work area free of debris. Remove split wood around the log splitter immediately to eliminate the possibility of tripping.

PREPARATION OF THE LOG

Both ends of the log should be cut as square as possible to help prevent the log from moving during splitter operation. Max log length is 25 inches.

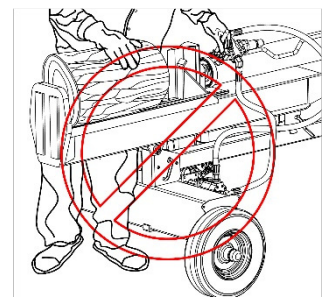
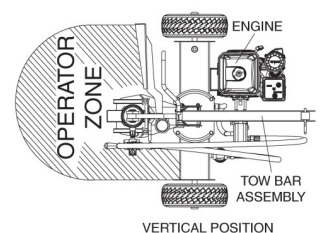
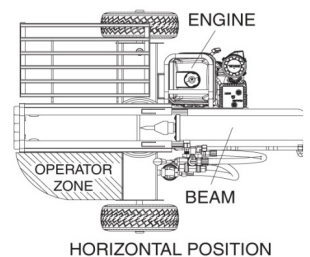
OPERATION OF THE LOG SPLITTER

ONLY operate the log splitter from the operator zone as shown in the diagram. Operating the log splitter in another location can result in serious injury or death. Do not reach or step across the rail while the log splitter is running. This is a very UNSAFE method which could cause personal injury or even death.

- **ALWAYS** chock the wheels to prevent movement of the log splitter while in operation.
- **KNOW** how to stop the log splitter and disengage the controls before operating it.
- **NEVER** try to split log against grain.
- **NEVER** try to split two logs at the same time.
- **NEVER** step over the log splitter during operation.
- **NEVER** attempt to remove logs stuck to the wedge while moving.
- **ALWAYS** keep hands away from ram, wedge and partially split logs.
- **NEVER** reach or bend over the log splitter to pick up a log.
- **NEVER** attempt to load the log splitter when the wedge is in motion.
- **ALWAYS** keep clear of the splitting area until the return stroke is completed. Keep clear of the splitting area until the return stroke is completed.
- **NEVER** place hands or feet between the log and splitting wedge during forward or reverse stroke as this could result in serious injury or death.
- **NEVER** use your foot, a rope or any extension device to operate the control lever on the valve. Only use hand.
- **NEVER** touch the muffler and other hot areas of the engine during operation. Wait until the engine cools down.
- **NEVER** move the log splitter while the engine is running. Shut off the engine if you are leaving the log splitter, even for a short period of time.

GENERAL REPAIR

- **NEVER** operate your log splitter when it is in poor mechanical condition or in need of repair.
- **NEVER** alter your log splitter in any manner. Such alterations may cause your log splitter to be unsafe and will void the warranty.
- **NEVER** perform any service or repair on your log splitter without first removing the spark plug wire.
- **NEVER** tamper with the engine settings. The maximum engine speed is preset by the manufacturer and is within safety limits. Refer to the engine owner's manual for your particular log splitter.
- **ALWAYS** perform all recommended maintenance procedures before using your log splitter.
- **ALWAYS** check the level of hydraulic oil and engine oil before operation.
- **NEVER** attempt to free a stuck log with hands while log splitter is running.



IMPORTANT SAFETY INFORMATION

- **ALWAYS** replace all damaged or worn parts immediately.
- **ALWAYS** periodically check that all nuts, bolts, screws, hydraulic fittings and hose clamps are tight.
- **ALWAYS** be sure that all replacement parts meet manufacturer's specifications.

MAINTENANCE & SAFETY

- The mechanical and hydraulic systems of your log splitter require careful inspection. Be sure to replace damaged hydraulic hoses or hydraulic components.
- **NEVER** check for leaks of hydraulic fluid with your hand. Fluid escaping from a small hole can be almost invisible. Escaping fluid under pressure can have sufficient force to penetrate skin causing **SERIOUS INJURY** or even **DEATH**. Leaks can be safely detected by passing a piece of cardboard over the suspected leak and looking for discoloration.
- **NEVER** remove the cap from the hydraulic tank while the log splitter is running. The tank could contain hot oil under pressure which could result in serious injury.
- **NEVER** adjust the relief valve setting. The pressure relief valve on your log splitter is preset at the factory. Only a qualified service technician should perform this adjustment.
- **ALWAYS** seek medical attention immediately if injured by escaping hydraulic fluid. Serious infection or reaction can develop if proper medical treatment is not administered immediately.
- **ALWAYS** be sure system is not under any pressure by shutting off the engine and moving the valve control handle back and forth should it become necessary to loosen or remove any hydraulic fitting.
- **ALWAYS** keep the beam and wedge free of debris buildup.
- Grease Wheel Bearings and tighten all hardware seasonally.

FIRE PREVENTION

- **ONLY** refuel your log splitter in a clear area with no gas fumes or spilled gas.
- **NEVER** operate your log splitter near a flame or spark or smoke during operation. Hydraulic oil and gasoline are flammable and can explode.
- **NEVER** add fuel while the engine is hot or running. Allow the engine to cool before refueling.
- If gasoline has spilled, move the log splitter away from the area of the spill and avoid creating any source of ignition until the spilled gas has evaporated.
- **ALWAYS** securely replace the gas cap.
- **ALWAYS** clean wood debris from the muffler area of the engine.
- **ALWAYS** store gasoline in an approved, tightly sealed container and away from heating appliances. Store the container in a cool, dry place.

IMPORTANT NOTE – (on spark arrester):

As a precautionary measure against possible flying sparks, always take a Class B fire extinguisher with you when operating this log splitter in dry areas. This log splitter is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. In the state of California, a spark arrester is required by law. Other states have similar laws. Federal laws apply on federal lands. A spark arrester muffler is optional and available as an accessory at your nearest engine dealer. Always check the legal.

TOWING SAFETY

- **NEVER** carry cargo or wood on your log splitter.
- **NEVER** Move your log splitter over hilly or uneven terrain without a tow vehicle or adequate help.
- **NEVER** exceed weight capacity of ball or load limits of coupler.
- **NEVER** exceed 45 mph when towing your log splitter. Towing the log splitter at speeds higher than 45 mph could result in loss of control, damage to the equipment, or serious injury or death. Adjust towing speed for terrain and conditions. Be extra cautious when towing over rough terrain, and avoid sharp turns and steep angles when towing your log splitter.
- **ALWAYS** attach chains when towing your log splitter.
- **ALWAYS** confirm coupler tightness each time before towing and after towing 50 miles.
- **ALWAYS** take care when backing up with your log splitter in tow. It could jackknife.
- **ALWAYS** allow for added length of your log splitter when turning, parking and crossing intersections and in all driving situations.
- **ALWAYS** disconnect your log splitter from the towing vehicle before operation.
- **ALWAYS** confirm all local and state regulations regarding towing, licensing, and lights before towing your log splitter.
- **ALWAYS** check before towing to make sure that the log splitter is correctly and securely attached to the towing vehicle and that the chains are secured to the hitch or bumper of the vehicle with enough slack to allow turning. Always use a Class I or above, 2" ball for connection to log splitter.
- **ALWAYS** replace ball or coupler if damaged.
- **ALWAYS** turn the fuel shut off valve on the engine to the "OFF" position before towing the log splitter. Failure to do so may result in flooding the engine and damaging engine oil.

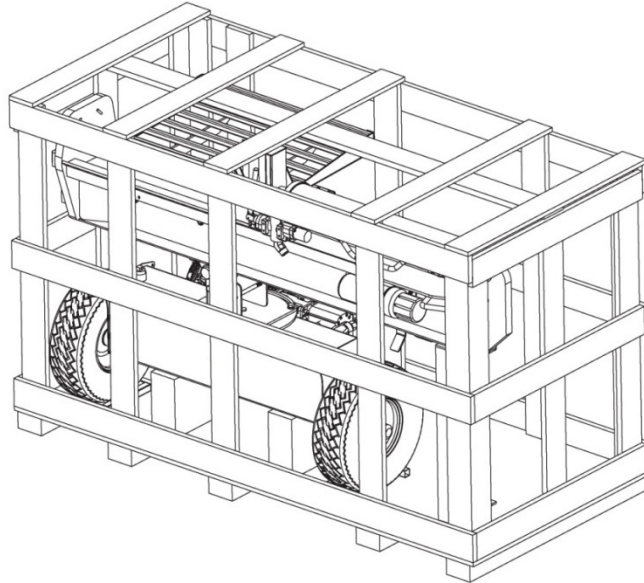
ASSEMBLY INSTRUCTIONS

TOOLS REQUIRED

- Large Philips Screw Driver
- Hammer or Crowbar
- Band Cutter
- 17mm, 19mm and 41mm Wrenches

STEP 1: Unpack Unit

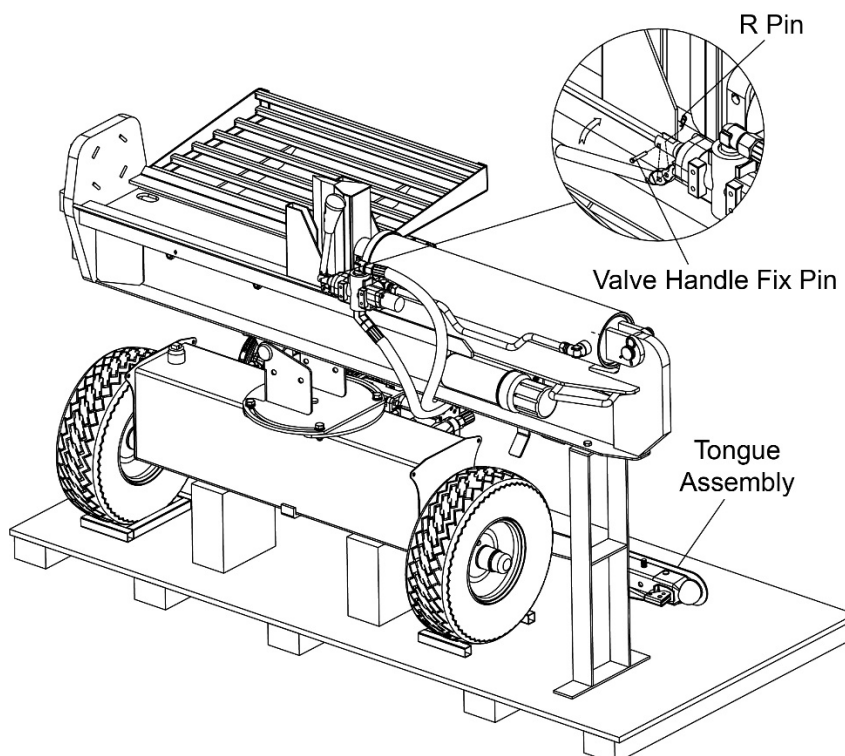
1.1 Remove the strap then remove lid and sides of crate using hammer or crowbar. Unfold and flatten the nylon bag.



STEP 2: Remove Tongue Assembly & Fix Handle on Control Valve

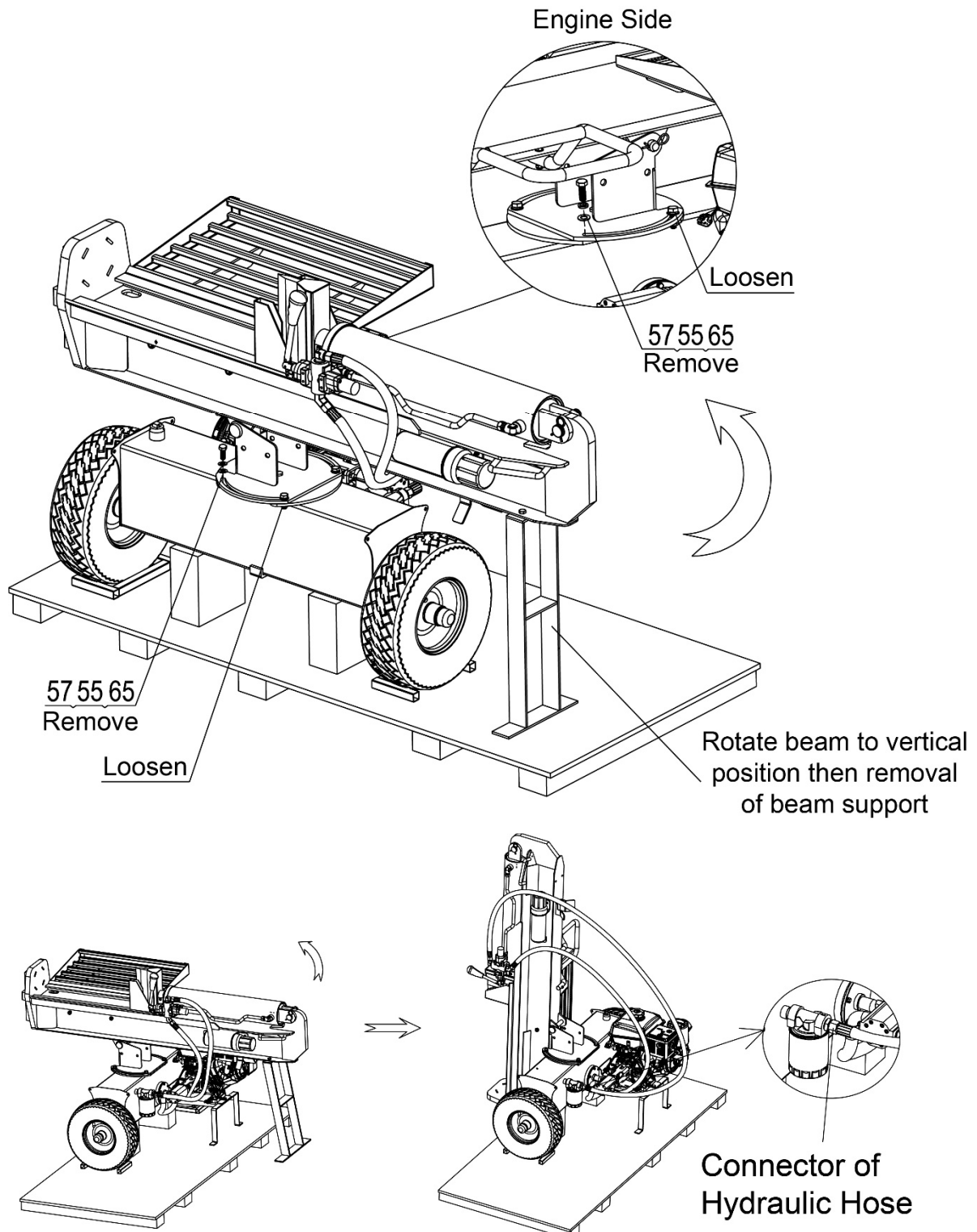
2.1 Remove the tongue assembly from the crate.

2.2 Remove the valve handle fix pin from valve and reinstall with handle in vertical position.



STEP 3: Rotate and Secure Beam

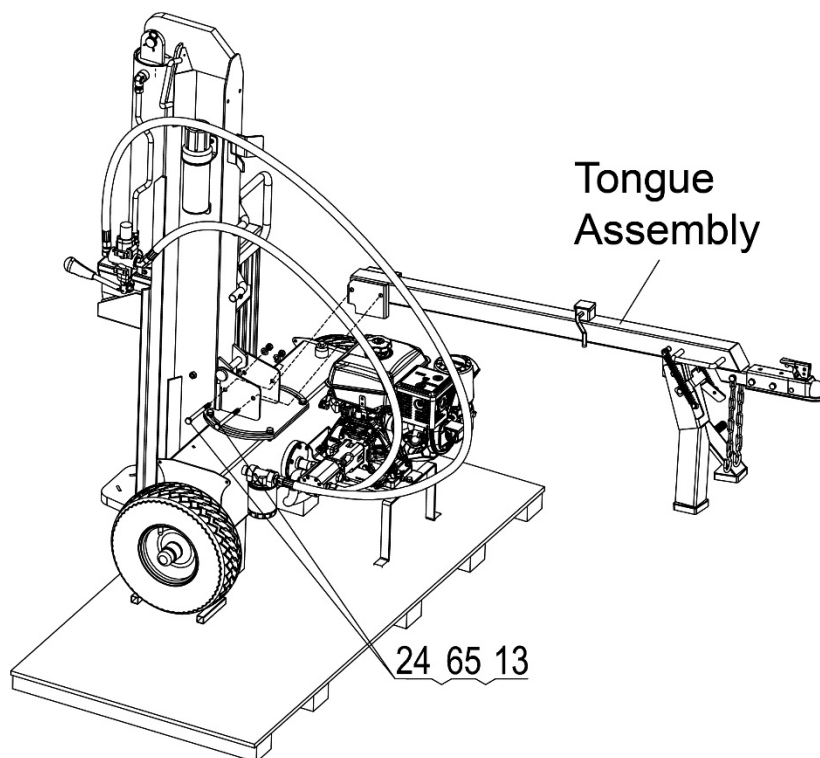
- 3.1 Remove the two sets of items 57, 55 and 65, that are **painted red** (M12x35 red hex bolts, Ø12 lock washers and Ø12 flat washers) from the outer portion of the rotating assembly.
- 3.2 Loosen the other two bolts on rotating assembly which will allow beam assy. to rotate.
- 3.3 Rotate the beam 90 degrees towards the front.
- 3.4 Reinstall the red bolts and tighten all 4 bolts on the rotating mechanism.
- 3.5 Lift the beam into the vertical position.
- 3.6 Loosen connector of hydraulic hose with 41mm wrench or adjustable wrench, adjust the hydraulic hose to a non-kinked state, then retighten the connector.



STEP 4: Attach the Tongue Assembly

4.1 Insert the tongue assembly into the rotating mechanism, secure using items 24, 65 and 13 (M12x150 hex bolt, Ø12 flat washer and M12 nylon lock nut).

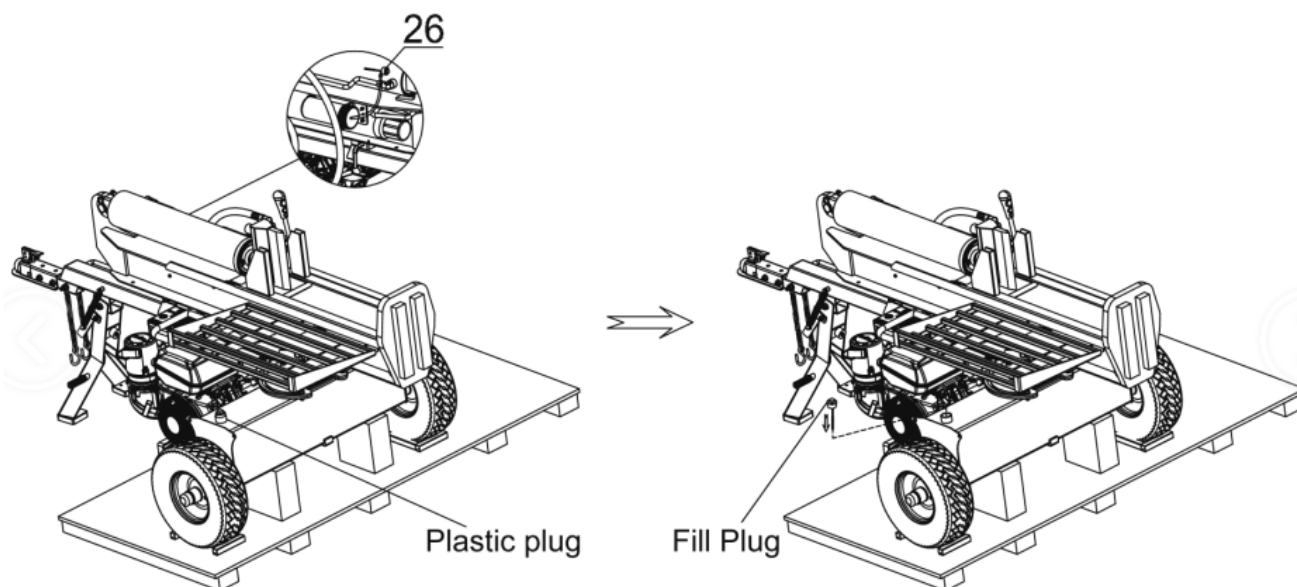
Note: M12x150 hex bolt, Ø12 flat washer and M12 nylon lock nut are preassembled in the tongue.



STEP 5: Install Fill Plug

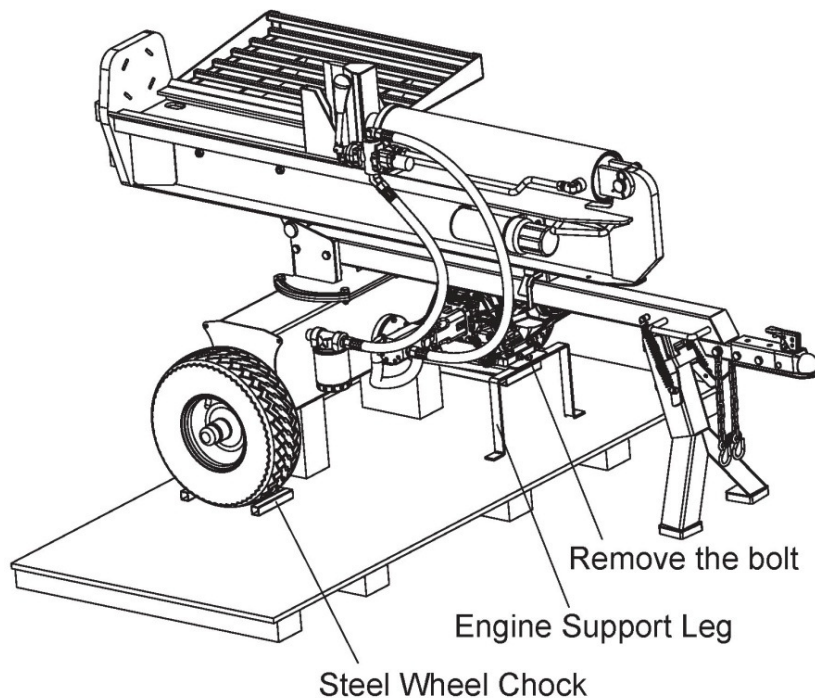
5.1 Lower the beam to the horizontal position.

5.2 Remove item 26 (fill plug) from manual canister and replace plastic plug. Plastic plug can be discarded.



STEP 6: Remove the Engine Support Leg

- 6.1 Remove the engine support leg with 17mm wrench and the steel wheel chocks.
- 6.2 Roll the splitter off of the crate.
- 6.2 Make sure all hardware has been tightened.



STEP 7: Check Engine Oil Level

- 7.1 The engine is prefilled with SAE10W-30 (Refer to the Engine Owner's Manual).
- 7.2 Make sure the log splitter is on a level surface.
- 7.3 Remove oil fill cap/dipstick, check oil level and add if necessary.
- 7.4 Replace oil fill cap/dipstick.

NOTE: During the break-in period check the engine oil level often.

CAUTION

DO NOT attempt to crank or start the engine before it has been properly filled with the recommended type and amount of oil. Damage to the log splitter as a result of failure to follow these instructions will void your warranty.

STEP 8: Check Hydraulic Oil

- 8.1 The log splitter needs to be **cold** on a flat level surface before checking or adding the hydraulic oil.
- 8.2 The log splitter was prefilled with 9.8 gallons of AW32 hydraulic oil before shipping. AW46 & universal hydraulic oil are all acceptable types of fluid. Automatic transmission fluid can be used when operating in temperatures below 32 degrees to enhance engine starting.
- 8.3 Start engine and use the control lever to extend and retract wedge several times to remove air from the lines.
- 8.4 With the wedge retracted, check hydraulic oil level again and fill if necessary.
- 8.5 **Do not thread in the dipstick when checking the hydraulic oil level. The hydraulic oil should be checked when the machine is cold and level. The oil should be kept above the "COLD" line. Never fill the oil level above the "HOT" line when the unit is cold. This will result in oil being expelled through the vent on the dipstick.**



WARNING

DO NOT remove the hydraulic oil fill cap when the engine is running or hot. Hot oil can escape causing severe burns. Always allow the log splitter to cool completely before removing the hydraulic oil cap.

High fluid pressure and temperatures are created in the hydraulic log splitters. Hydraulic fluid will escape through a pin-size hole opening and can puncture skin and cause severe blood poisoning.

Inspect hydraulic system regularly for possible leaks. **Never check for leaks with your hand while the system is pressurized. Seek medical attention immediately if injured by escaping fluid.**

Make sure all fittings are tight and secure before applying pressure. Relieve system pressure before servicing.

Make sure the hydraulic hoses do not touch any hot surfaces or cutting areas.

Hoses need to be positioned where they are clear from the engine and cutting wedge. To avoid serious bodily injury always inspect the hoses before operating the log splitter.

STEP9: Add Gasoline to the Engine

9.1 Use only clean, fresh, regular unleaded fuel with a minimum 87 octane rating.

9.2 DO NOT mix oil with fuel.

9.3 Remove the fuel cap and slowly add fuel to the tank. DO NOT overfill allow approximately ¼ inch of space for fuel expansion.

9.4 Screw on the fuel cap and wipe away any spilled fuel.



DANGER

Log splitter engine exhaust contains carbon monoxide, a colorless, odorless, poison gas. Breathing carbon monoxide will cause nausea, dizziness, fainting or death. If you start to feel dizzy or weak, get to fresh air immediately.

Operate log splitter outdoors only in a well-ventilated area.

DO NOT operate the log splitter inside any building, enclosure or compartment.

DONOR allow exhaust fumes to enter a confined area through windows, doors, vents or other openings.

DANGER CARBON MONOXIDE, using a log splitter indoors **CAN KILL YOU IN MINUTES.**



CAUTION

Fuel and fuel vapors are highly flammable and extremely explosive.

Fire or explosion can cause severe burns or death.

Unintentional startup can result in entanglement, traumatic amputation or laceration.

Only use regular unleaded gasoline with a minimum 87 octane rating.

DO NOT mix oil and gasoline together.

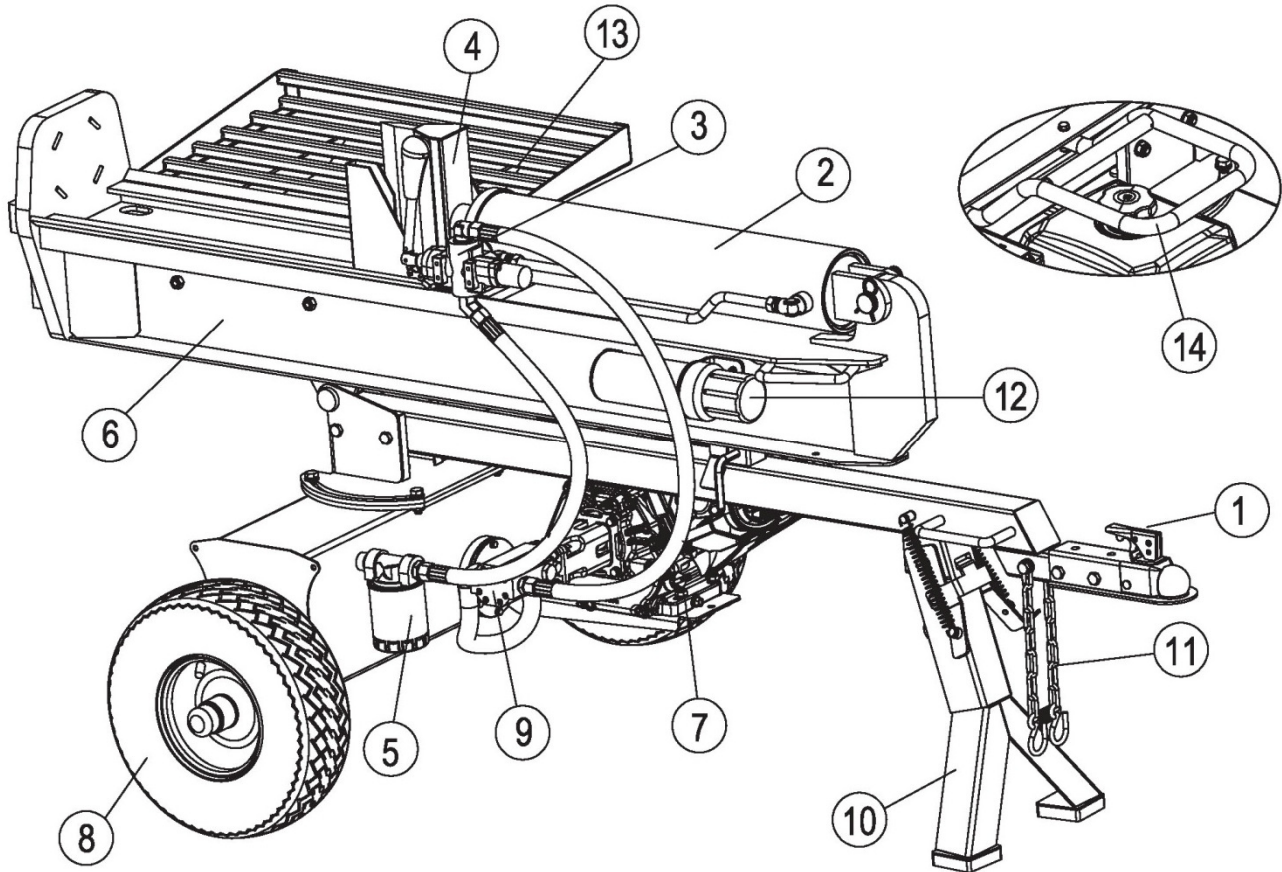
Fill tank approximately ¼" below the top of the tank to allow for fuel expansion.

DO NOT fill fuel tank indoors or when the engine is running or hot.

DO NOT light cigarettes or smoke when filling the fuel tank.

CONTROLS AND FEATURES IDENTIFICATION

Below Diagram identifies major component described in this manual.



- 1) **2" Ball Coupler**
- 2) **Hydraulic Cylinder**
- 3) **Control Valve**
- 4) **10" Wedge**
- 5) **External Filter**
- 6) **Beam**
- 7) **Engine**
- 8) **Tire / Wheel Assembly**
- 9) **Gear Pump**
- 10) **Support Leg**
- 11) **Safety Chains**
- 12) **Manual Canister**
- 13) **Log Table**
- 14) **Engine Guard**

OPERATING INSTRUCTIONS



WARNING: Read and understand all instructions and safety information in this manual and on safety decals before assembling or operating this log splitter. Failure to understand may cause serious injury or death. Do not allow anyone to operate this log splitter who has not read this manual. A log splitter can be dangerous if assembled or used improperly. Do not operate this log splitter if you have any questions concerning safe operation. Call our technical support department at 1-888-376-9601 for answer to any questions.



CAUTION: DO NOT START OR RUN THE ENGINE BEFORE CHECKING OIL IN THE HYDRAULIC RESERVOIR AND OIL IN THE ENGINE.

ENGINE OIL RECOMMENDATIONS

Engine is supplied with 10W-30 oil. Refer to the engine owner's manual for information on oil temperature ranges and grades to use. Engine oil capacity is 37.2 ounces.

After the hydraulic reservoir and the engine crankcase are filled with oil, start the engine. The hydraulic pump should prime itself. With the engine running, move the control valve lever toward the foot plate. This will cause the cylinder to extend and expel air. When the cylinder is fully extended, retract it. Repeat this procedure several times. After this procedure check oil level once again. NOTE: If the tank is overfilled it will tend to expel oil from the breather cap when the cylinder is retracted. Cycle the cylinder again until it has a constant speed indicating that all air has been expelled.

STARTING INSTRUCTIONS

Always make sure the hydraulic control valve is in the middle(neutral) position.

Refer to the HONDA Owner's manual for complete information on starting, maintenance and specifications.

389cc Honda Engine

- a) Move the fuel valve lever to the ON position.
- b) To start a cold engine, move the choke lever to the CLOSED position. To restart a warm engine, leave the choke lever in the OPEN position.
- c) Move the throttle lever away from the MIN. position, about 1/3 of the way toward the MAX. position.
- d) Turn the engine switch to the ON position.
- e) Pull the starter grip lightly until you feel resistance, then pull briskly in the direction of the arrow as shown below. Return the starter grip gently.
- f) If the choke lever was moved to the CLOSED position to start the engine, gradually move it to the OPEN position as the engine warms up.
- g) To stop the engine in an emergency, simply turn the engine switch to the OFF position.



CAUTION: TURN FUEL SHUT OFF VALVE TO THE "OFF" POSITION PRIOR TO TOWING. FAILURE TO DO SO MAY RESULT INFLOODING THE ENGINE AND DESTROYING ENGINE OIL.

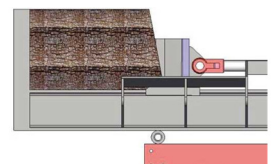
NOTE: The engine maximum governed speed is preset at the factory at 3600 RPM no load speed. When splitting wood the throttle should be set at the maximum speed to develop the horsepower required for the pump.

OPERATION



WARNING: See safety information related to operation of the log splitter on page 5 and 6 of this manual. Make sure that you have the recommended personal protective equipment described on page 3.

- 1) Set up the log splitter in a clear, level area and chock the wheels.
- 2) For horizontal operation place a log on the beam against the foot plate. Make sure the log is securely on the foot plate and up against the beam. To split wood in the vertical position, release the pin on the beam latch located near the front end of the beam. Tilt the beam up until the foot plate is sitting squarely on the ground and the log splitter is stable. Place the log on the foot plate up against the beam. When the beam is returned to the horizontal position make sure the beam latch pin is secure.



Best practices for loading logs for splitting.

OPERATING INSTRUCTIONS

3) Move control valve handle so that the cylinder will drive the wedge into the log. Extend the cylinder until the log splits or to the end of its stroke. If the log has not completely split after the cylinder has reached the end of its extension, retract the cylinder.

IMPORTANT: Leaving the valve in the “actuate” position at the end of the stroke can accelerate wear on hydraulic component. Do not split logs with unsquared ends.

NOTE: The cylinder will Retract entirely when the valve is put into the return position. Keep clear of the splitting area until the return stroke is completed.

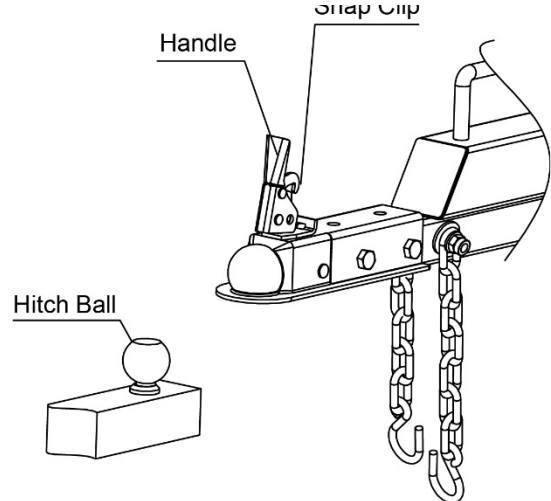
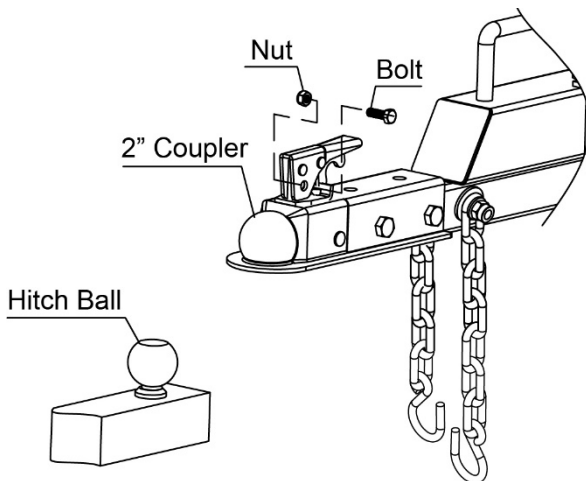
NOTE: For operation in wooded areas, obtain a spark arrestor for the exhaust system. See the engine operating and maintenance manual and check with your authorized HONDA service center. See also Fire Prevention on page 6 of this manual.

TOWING

Installation Instructions

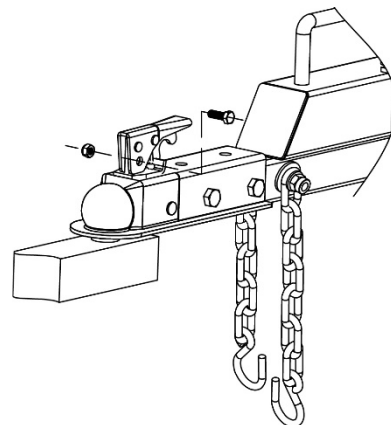
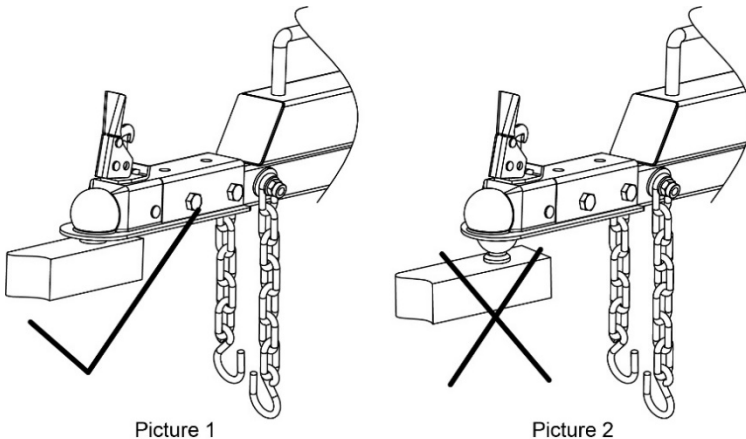
1. Remove the bolt and nut from the 2” coupler.

2. Flip up the snap clip and handle of the coupler.



3. Put the coupler on the hitch ball ensuring it is all the way down. Picture 1 is correct, while picture 2 is incorrect as the ball is not fully seated.

Press down the handle of the coupler, check whether the coupler is in place, then reinstall the bolt and nut. Attach the chain hook to the towing vehicle.



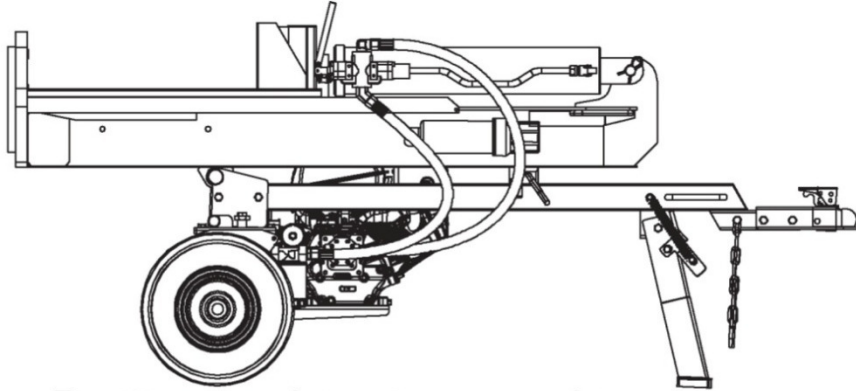
This log splitter is equipped with pneumatic tires, a Class I or above coupler (2 in. diameter ball required) and chains. Before towing, the chains must be secured to the hitch or bumper of the vehicle. Local regulations should be checked regarding licensing, lights, towing, etc. Turn fuel shut off valve on the engine to the “Off” position prior to towing. Failure to do so may result in flooding the engine. Do not exceed 45 mph when towing this log splitter. See also Towing Safety on page 6 of this manual.

MAINTENANCE

- 1) Consult the operating and maintenance instructions of the engine manufacturer for engine care and maintenance.
- 2) Always check the oil level of the hydraulic reservoir before operation. Operating the log splitter without an adequate oil supply will cause severe damage to the pump.
- 3) Change the spin on filter after the first 25 hours of operation. There after change the spin on filter every 100 hours or seasonally, whichever comes first.
- 4) To drain the hydraulic oil, remove drain plug fitting on the bottom of the tank. It is located just to the right of the oil filter.
- 5) If the wedge needs sharpening, it can be removed and sharpened.
- 6) Clean the breather cap after 25 hours of operation. Clean it more often when operated in dusty conditions. To clean, remove the breather cap from the tank and flush with solvent or blow out with air.
- 7) See also General Repair and Maintenance Safety on page 5 and 6 of this manual.
- 8) All replacement parts must meet manufacturer's specifications
- 9) Grease Wheel Bearings and tighten all hardware seasonally.

OPERATING INSTRUCTIONS

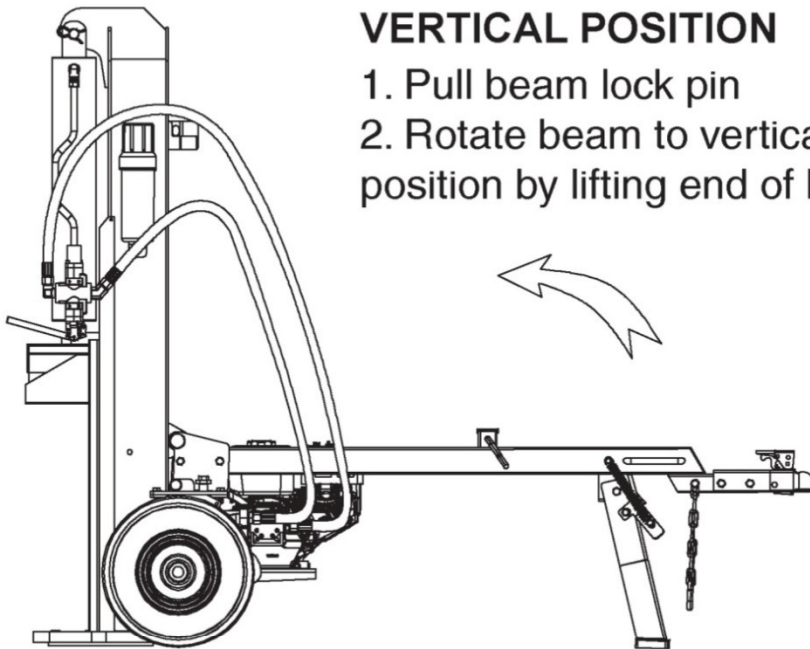
HORIZONTAL POSITION



Position used most commonly.

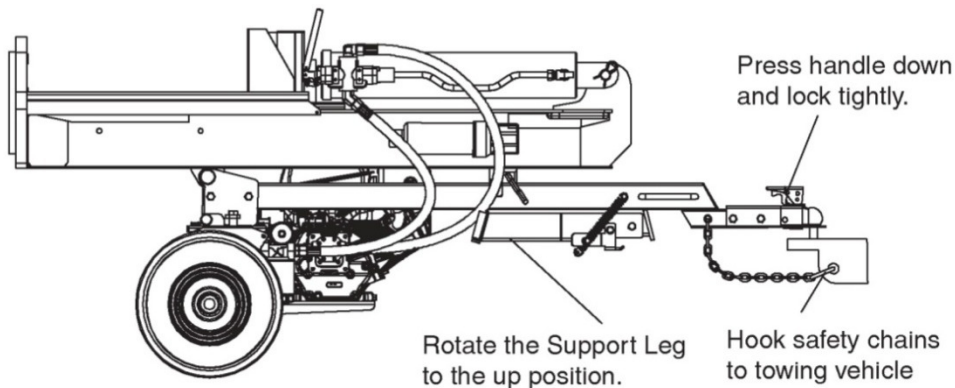
VERTICAL POSITION

1. Pull beam lock pin
2. Rotate beam to vertical position by lifting end of beam.



Position commonly used for splitting large logs.

FOR VEHICLE TOWING



TROUBLESHOOTING

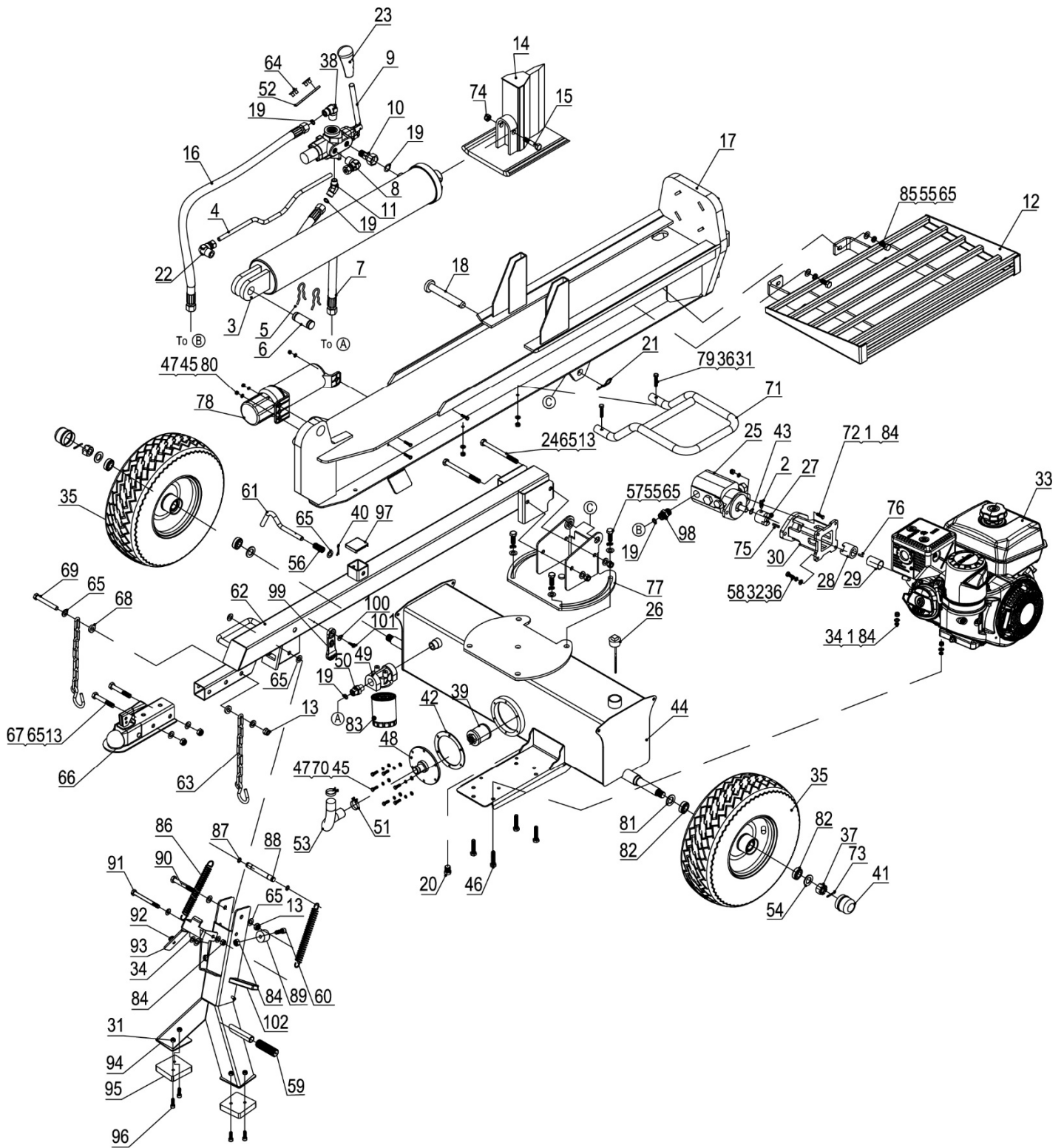
Problem	
Cylinder rod will not move	SOLUTION: A, D
Slow cylinder rod speed when extending or retracting	SOLUTION: A, B, D, I
Wood will not split or splits extremely slowly	SOLUTION: A, B, D, G, I
Valve will not stay in detent or will not kick out of detent position	SOLUTION: H
Engine bogs down during splitting	SOLUTION: This is normal
Engine stalls under low load condition	SOLUTION: L
Engine will not start	SOLUTION: C, E, F, M
Engine is difficult to turn over and will not start when cold	SOLUTION: J, M
Engine runs but cylinder does not move	SOLUTION: D, K
Cause	Solution
A -Insufficient oil to pump	Check oil level in reservoir
B -Air in oil	Check oil level in reservoir
C -Low engine oil	Check and add engine oil
D -Blocked hydraulic lines	Check for restriction
E -"ON"/"OFF"	Move to "ON" position
F -Fuel shut off in "OFF" position	Move to "ON" position
G -Damaged control valve	Return control valve for authorized repair
H -Detent setting incorrect	Remove plastic cap on valve and adjust detent kick out pressure
I -Internally damaged cylinder	Return cylinder for authorized repair
J -Cold ambient temperature	Cold weather (below 32°) can result in difficult engine starting. Change to ATF.
K -Broken pump / Engine coupler	Check and replace coupler
L -Defective pump or engine	Contact service center
M -Log splitter valve in the return position	Push the control valve handle into the middle(neutral) position.

SPECIFICATIONS

Max. Splitting Force	40 Ton
Cycle Time	10 Sec
(Cycle time can vary with many mechanical and environmental factors, our published cycle time is for ideal conditions)	
Wedge Height	10" Hardened Steel
Gear Pump	20 GPM
Hydraulic Oil	AW32, AW46 & Universal Hydraulic Oil
Hydraulic Capacity	9.8 Gallon
Max. Log Length	25"
Hydraulic Cylinder	5 ¹ / ₈ " x 23 ³ / ₄ "
Wheel Size	6.5-8 wheel with 18" outside diameter D.O.T tires
Hitch Type	2" Ball Coupler
Max. Towing Speed	45 MPH
Manual Start Engine	389cc

NOTE: For Engine Details Refer to the Engine Owner's Manual.

DRAWING & PARTS LIST



DRAWING & PARTS LIST

Ref#	Drawing No.	Description	Qty
1	9306-10000-DX	Lock Washer Ø10	6
2	9121-06010-FH	Inner Hex Cone Point Set Screw M6x10	1
3	40005	Cylinder	1
4	LSP4001-00001-DX	Metal Tube	1
5	LSP25-00005-DX	R Pin	2
6	LSP30-00004-DX	Cylinder Pin	1
7	40006	Hydraulic Hose (valve-external filter)	1
8	LSP4001-10000	Connector 1	1
9	40002	Control Valve	1
10	LSP4001-09000-DX	Combination Connector	1
11	LSP4001-00007-DX	130°Joint	1
12	LSP30C-12100-B3C	Log Table	1
13	9206-12000-DX	Nylon Lock Nut M12	6
14	LSP4001-03000-B3C	Wedge Slide	1
15	9101-14080-DX8.8	Hex Bolt M14x80	1
16	40007	Hydraulic Hose (valve-gear pump)	1
17	LSP4001-01000-G9C	Beam	1
18	LSP2501-00005	Hitch Pin	1
19	9901-19x2.65	O Ring Ø19x2.65	5
20	LSP25-00010-DX	Oil Plug	1
21	LSP25-00012-DX	R Pin	1
22	LSP4001-11000	Connector 2	1
23	LSF3000-00028	Plastic Handle	1
24	9101-12150-DX8.8	Hex Bolt M12x150	2
25	LSP4004-01001	Gear Pump 18/3.0	1
26	LSP25-13000	Fill Plug	1
27	LSP4001-06002-FH	Gear Pump Coupling	1
28	LSP30A-10004-FH	Engine Connector	1
29	LSP4001-06004-DX	Engine Axle Sleeve	1
30	LSP4001-06001	Gear Pump Stand	1
31	9206-08000-DX	Nylon Lock Nut M8	6
32	9306-08000-DX	Lock Washer Ø8	4
33	HONDA GX390	Engine	1
34	9301-10000-DX	Flat Washer Ø10	8
35	40004	Wheel	2
36	9301-08000-DX	Flat Washer Ø8	6
37	LSP25-00020-DX	Hex Slotted Thin Nut M20	2

Ref#	Drawing No.	Description	Qty
38	LSP4001-00005-DX	Angle Connector	1
39	LSP4001-00012	Oil Filter	1
40	9404-03030-DX	Cotter Pin Ø3x30	1
41	LSP25-00009-DG	Axle Cap	2
42	LSP30-00006	Rubber Washer	1
43	LSP4001-06003-FH	Steel Wire Snap Ring for Shaft	1
44	LSP4001-02000-B3C	Hydraulic Reservoir	1
45	9301-06000-DX	Flat Washer Ø6	9
46	9101-10045-DX8.8	Hex Bolt M10x45	4
47	9101-06020-DX8.8	Hex Bolt M6x20	9
48	LSP4001-13000-DX	Filter Fixed Plate	1
49	LSP25-09001	Aluminum Base	1
50	LSP4001-00008-DX	Connector	1
51	LSP4001-00013-BXG	Clamp	2
52	LSA22-00025	Plate	1
53	LSP4001-00004	Clear Oil Pipe	1
54	9301-20000-DX	Flat Washer Ø20	2
55	9306-12000-DX	Lock Washer Ø12	6
56	LSP25-00003-DX	Spring	1
57	9101-12035-DX8.8	Hex Bolt M12x35	4
58	MZ01-08025-DX8.8	Hex Bolt 5/16"x24-1"	4
59	E050-05002	Gum Cover	1
60	9105-10030-DX8.8	Hex Socket Round Head Screw M10x30	1
61	LSP2501-00008-DX	Safety Pin	1
62	LSP2501-03000-B3C	Tongue Assembly	1
63	LSP25-11000-DX	Chain	2
64	9110-08010-DX	Screw M8x10	4
65	9301-12000-DX	Flat Washer Ø12	17
66	Z103	2" Coupler	1
67	9101-12080-DX8.8	Hex Bolt M12x80	2
68	LSP25-00015-DX	Thick Washer Ø15	2
69	9101-12090-DX8.8	Hex Bolt M12x90	1
70	9306-06000-DX	Lock Washer Ø6	6
71	LSP4001-07000	Engine Guard	1
72	9101-10035-DX8.8	Hex Bolt M10x35	2
73	9404-04035-DX	Cotter Pin Ø4x35	2
74	9206-14000-DX	Nylon Lock Nut M14	1
75	8801-4.75x4.75x22	Gear Pump Flat Key	1

Ref#	Drawing No.	Description	Qty
76	8801-6.3x6.3x38	Engine Flat Key	1
77	LSP4001-04000	Outer Rotating Mechanism	1
78	LSP30MD-02000	Manual Canister	1
79	9101-08040-DX8.8	Hex Bolt M8x40	2
80	9206-06000-DX	Nylon Lock Nut M6	3
81	LSP25-14002	Oil Seal	2
82	L44643	Tapered Roller Bearing	4
83	60001	Spin-on Filter	1
84	9206-10000-DX	Nylon Lock Nut M10	6
85	9101-12030-DX8.8	Hex Bolt M12x30	2
86	LSF3000-00006	Spring of Support Leg	2
87	9304-15000-FH	Circlip for Shaft Ø15	2
88	LSF3000-00003	Spring Pin	1
89	LSF3000-00050	Rubber Mat	1
90	9101-12100-DX8.8	Hex Bolt M12x100	1
91	9101-10110-DX8.8	Hex Bolt M10x110	1
92	LSF3000-00004	Spring Pendant	2
93	LSP2501-09000	Support Lock Weldment	1
94	LSP4001-05000-B3C	Support Leg	1
95	LSP3001-00001	Elastic Cushion	2
96	9105-08025-DX8.8	Hex Socket Round Head Screw M8x25	4
97	LSP2501-00003	Square Tube Rubber Mat	1
98	LSP4001-00006-DX	Gear Pump Connector	1
99	LSP2501-00011	Connecting Belt	1
100	9301-06000-DX	Large Flat Washer Ø6	1
101	9199-06325-CD	Hex Flange Head Tapping Screw ST6.3x25	1
102	N560-00019	Handle Sleeve	1

LIMITED WARRANTY

Warranty

For 5 years from the date of purchase, YTL International will replace or repair defects in material and workmanship for the original purchaser of the log splitter. For 3 years the engine warranty is covered per the engine manufactures warranty. For 3 years from date of purchase YTL International will replace the hydraulic system component parts. The warranty will not apply to any unit which was not assembled correctly, misused, modified, overloaded or which has been used or operated contrary to our instructions, or which has been repaired or altered by anyone other than a service representative authorized by YTL International Inc.

Warranty Exclusions

This warranty does not cover cosmetic defects such as paint, decals, or wear items such as tires. This warranty will not cover failures or problems due to acts of God, or events or forces beyond the control of the manufacturer.

Normal Wear Exclusion

The log splitter needs periodic service to perform well. This warranty does not cover repair when normal use has exhausted the life of a part or the equipment.

Installation, Use and Maintenance Exclusion

This warranty will not apply to parts and/or labor if the log splitter has been misused, neglected, involved in an accident, abused, loaded beyond its limits, modified, or assembled incorrectly. Normal maintenance is not covered under this warranty.

Limits of Implied Warranty and Consequential Damage Exclusion

YTL International disclaims any obligation to cover any loss of time, use of this product, freight, or any incidental or consequential claim by anyone from using this log splitter. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

An exchange unit will be subject to the original warranty. The length of the warranty governing the exchanged unit will have the date as the purchase date of the original unit. This warranty gives you certain legal rights which may change from state to state. Your state may also have other rights you may be entitled to that are not listed within this warranty.

Contact Information

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Brentwood, TN 37027
Website: www.tractorsupply.com

Contact Information below for Warranty and Service

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Toll Free (888) 376-9601