

# 13 TON LOG SPLITTER



## Instruction & Assembly

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

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# Safe Operation Practices

## **READ and UNDERSTAND this manual completely before using 13 Ton Log Splitter.**

Operator must read and understand all safety and warning information, operating instructions, maintenance and storage instructions before operating this equipment. Failure to properly operate and maintain the log splitter could result in serious injury to the operator or bystanders.

 This symbol points out important safety instructions which, if not followed, could endanger the personal safety and/or property of yourself and others. Read and follow all instructions in this manual before attempting to operate this machine. Failure to comply with these instructions may result in personal injury. When you see this symbol - **HEED ITS WARNING**

 **WARNING:** Engine Exhaust has constituents and certain vehicle components contain or emit chemicals that may cause cancer, birth defects or other reproductive harm.

 **DANGER:** This machine was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. This machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

## **General Practices**

1. Read, understand, and follow all instructions on the machine and in the manual(s) before attempting to assemble and operate. **Keep this manual in a safe place for future and regular reference and for ordering replacement parts.**
2. Be familiar with all controls and proper operation. Know how to stop the machine and disengage them quickly.
3. Never allow children less than 16 years to operate this machine. Children, 16 years and over, should read and understand instructions and safety rules in this manual and should be trained and supervised by a parent.
4. Never allow adults to operate this machine without proper instruction.
5. Many accidents occur when more than one person operates the machine. If a helper is assisting in loading logs, never activate the control until the helper is a minimum of 10 feet from the machine.
6. Keep bystanders, helpers, pets, and children at least 20 feet from the machine while it is in operation.
7. Never allow anyone to ride on this machine.
8. Never transport cargo on this machine.
9. Hydraulic log splitters develop high fluid pressures during operation. Fluid escaping through a pin hole opening can penetrate your skin and cause blood poisoning, gangrene, or death. Give attention to the following instructions at all times:
  - a. Do not check for leaks with your hand.
  - b. Do not operate machine with frayed, kinked, cracked, or damaged hoses, fitting, or tubing.
  - c. Stop the engine and relieve hydraulic system pressure before changing or adjusting fittings, hoses, tubing, or other system components.
  - d. Do not adjust the pressure settings of the pump or valve.
10. Leaks can be detected by passing cardboard or wood, while wearing protective gloves and safety glasses, over the suspected area. Look for discoloration of cardboard or wood.
11. If injured by escaping fluid, see a doctor immediately. Serious infection or reaction can develop if proper medical treatment is not administered immediately.
12. Keep the operator zone and adjacent area clear for safe, secure footing.
13. Your machine is equipped with an internal combustion engine and it is not intended for use near any brush, or grass covered land. The engine exhaust should be equipped with a spark arrestor. Make sure you comply with applicable local, state, and federal codes. Take appropriate firefighting equipment with you.
14. This machine should be used for splitting wood only, do not use it for any other purpose.
15. Follow the instructions in the manual(s) provided with any attachment(s) for this machine.

## Preparation

1. Always wear safety shoes or heavy boots.
2. Always wear safety glasses or safety goggles during operating this machine.
3. Never wear jewelry or loose clothing that might become entangled in moving or rotating parts of the machine.
4. Make sure machine is on level surface before operating.
5. Always block machine to prevent unintended movement, and lock in either horizontal or vertical position.
6. Always operate this machine from the operator zone(s) specified in the manual. Logs should be cut with square ends prior to splitting.
7. Use log splitter in daylight only.
8. To avoid personal injury or property damage use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive. Serious personal injury can occur when gasoline is spilled on yourself or your clothes which can ignite. Wash your skin and change immediately.
  - a. Use only an approved gasoline container.
  - b. Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
  - c. Never fuel machine indoors.
  - d. Never remove gas cap or add fuel while the engine is hot or running.
  - e. Allow engine to cool at least two minutes before refueling.
  - f. Never overfill the fuel tank. Fill tank to no more than 1/2 inch below bottom of filler neck to provide space for fuel expansion.
  - g. Replace gasoline cap and tighten securely.
  - h. If gasoline is spilled, wipe it off the engine and equipment and move machine to another area. Wait 5 minutes before starting the engine.
  - i. Never store the machine or fuel container inside where there is an open flame, spark or pilot light as on a water heater, space heater, furnace, clothes dryer or other gas appliances.
  - j. Allow machine to cool 5 minutes before storing.

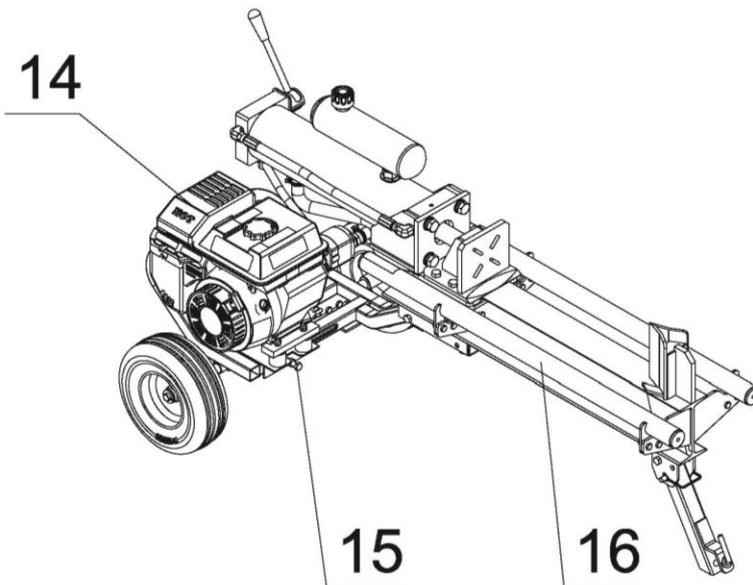
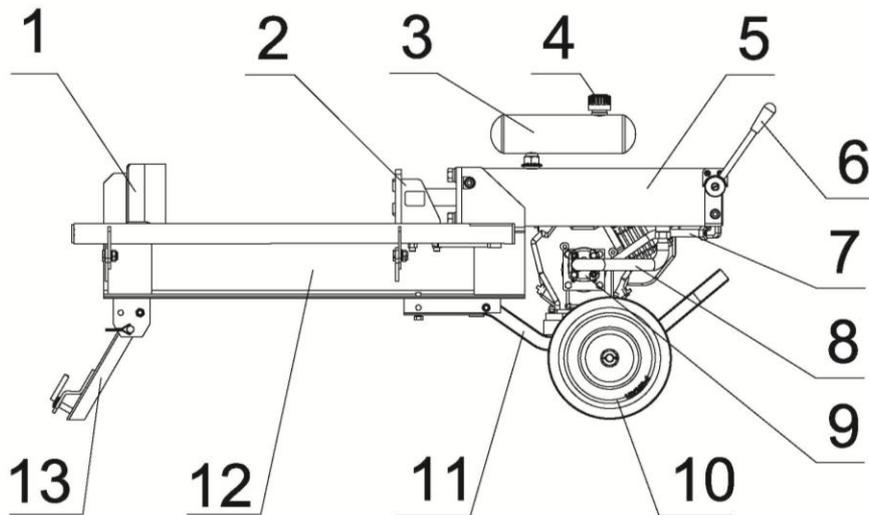
## Operation

1. Before starting this machine, review the "Safety Instructions" Failure to follow these rules may result in serious injury to the operator or bystanders.
2. Never leave this machine unattended with the engine running.
3. Do not operate machine while under the influence of alcohol, drugs, or medication.
4. Never allow anyone to operate this machine without proper instruction.
5. Always operate this machine with all safety equipment in place and working. Make sure all controls are properly adjusted for safe operation.
6. Do not change the engine governor settings or over speed the engine. The governor controls the maximum safe operating speed of the engine.
7. When loading a log, always place your hands on the sides of the log, not on the ends, and never use your foot to help stabilize a log. Failure to do so may result in crushed or amputated fingers, toes, hand, or foot.
8. Use only your hand to operate the controls.
9. Never attempt to split more than one log at a time unless the ram has fully extended and a second log is needed to complete the separation of the first log.
10. For logs which are not cut square, the least square end and the longest portion of the log should be placed toward the beam and wedge, and the square end placed toward the end plate.
11. Always keep fingers away from any cracks that open in the log while splitting. They can quickly close and pinch or amputate your fingers.
12. Keep your work area clean. Immediately remove split wood around the machine so you do not stumble over it.
13. Never move this machine while the engine is running.
14. This machine should not be towed on any street, highway or public road.
15. Do not tow machine faster than 5 mph.
16. See Transporting the Log Splitter section in this manual for proper towing instructions.

## **Maintenance and Storage**

1. Stop the engine, disconnect the spark plug and ground it against the engine before cleaning, or inspecting the machine.
2. Stop the engine and relieve hydraulic system pressure before repairing or adjusting fittings, hoses, tubing, or other system components.
3. To prevent fires, clean debris from the engine and muffler areas. If the engine is equipped with a spark arrestor muffler, clean and inspect it regularly according to manufacturer's instructions. Replace if damaged.
4. Periodically check that all nuts and bolts, hose clamps, and hydraulic fittings are tight to be sure equipment is in safe working condition.
5. Check all safety guards and shields to be sure they are in the proper position. Never operate with safety guards, shields, or other protective features removed.
6. The pressure relief valve is preset at the factory. Do not adjust the valve.
7. Never attempt to move this machine over hilly or uneven terrain without a tow vehicle or adequate help.
8. For your safety, replace all damaged or worn parts immediately with original equipment manufacturer's (O.E.M.) parts only. "Use of parts which do not meet the original equipment specifications may lead to improper performance and compromise safety!"
9. Do not alter this machine in any manner, alterations such as attaching a rope or extension to the control handle, or adding to the width or height of the wedge may result in personal injury.

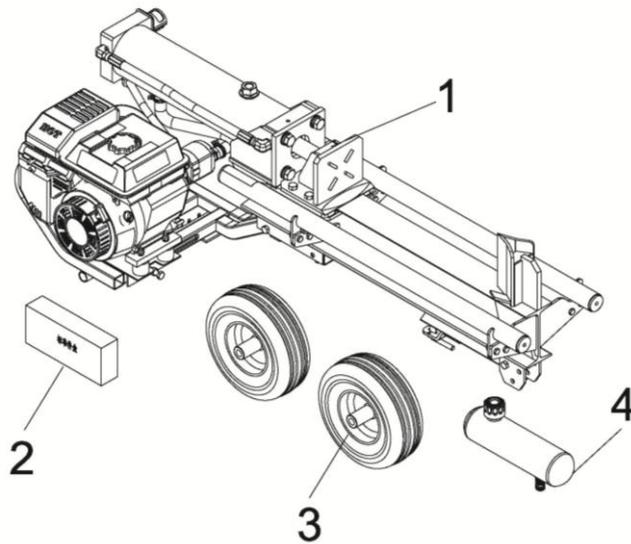
## Machine Component Definitions



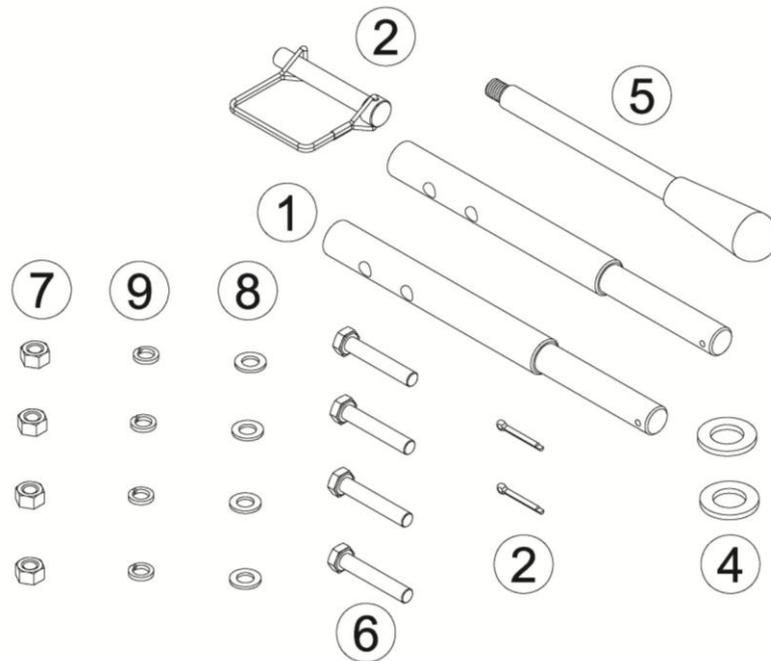
1. Wedge
2. Push Plate Component
3. Drop Tank
4. Air Filter
5. Cylinder Component
6. Control Valve Handle
7. Pressure Hose
8. Suction Hose
9. Gear Pump
10. 10" Pneumatic Wheel
11. Rear Frame
12. Beam
13. Support Leg
14. Engine
15. Engine Adjustable Bolt
16. Return Spring Tube Component

# Component Parts

**CHECK all parts before assembly to ensure there are no missing or damaged parts.**



- |    |                  |      |
|----|------------------|------|
| 1. | Main Frame       | 1pc  |
| 2. | Hardware Box     | 1set |
| 3. | Pneumatic Wheels | 2pcs |
| 4. | Drop Tank        | 1pc  |

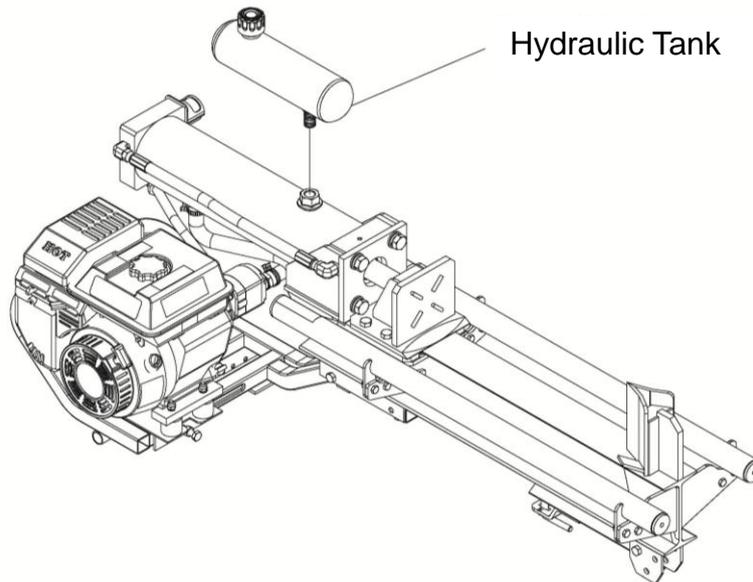


- |    |                      |      |
|----|----------------------|------|
| 1. | Wheel Axle           | 2pcs |
| 2. | Front Leg Pin Set    | 1pc  |
| 3. | Cotter Pin 3.2x25    | 2pcs |
| 4. | Flat Washer Ø16      | 2pcs |
| 5. | Control Valve Handle | 1pc  |
| 6. | Hex Bolt M8x40       | 4pcs |
| 7. | Hex Nut M8           | 4pcs |
| 8. | Flat Washer Ø8       | 4pcs |
| 9. | Lock Washer Ø8       | 4pcs |

# Assembly Instructions

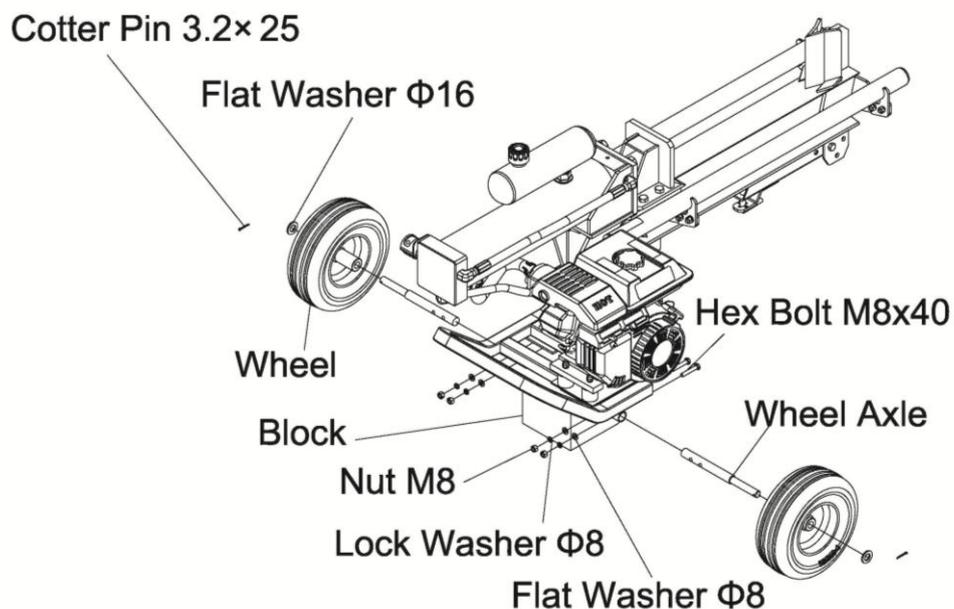
## STEP 1: Attach Hydraulic Tank

1. Take all parts out of the box. Put a block under the main frame. Remove the cylinder cap before attaching the hydraulic tank to the log splitter. Attach the tank to the top of the cylinder.



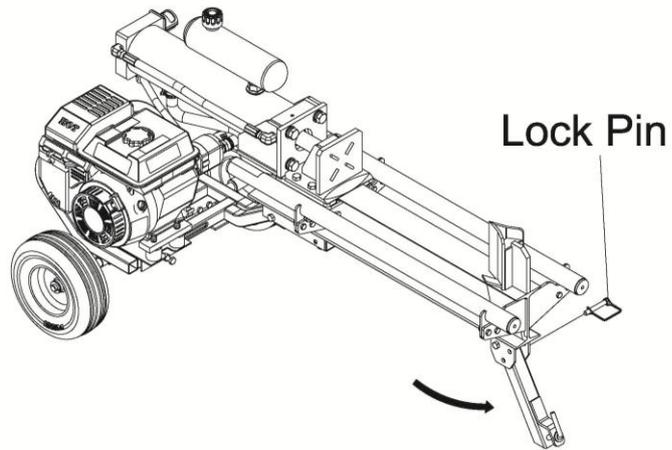
## STEP 2: Axle and Wheel Assembly

1. Insert the wheel axle into the frame and secure using the hex bolt M8x40, flat washer  $\text{\O}8$ , lock washer  $\text{\O}8$  and nut M8.
2. Attach the wheel to the axle using a flat washer  $\text{\O}16$  and a cotter pin 3.2x25.



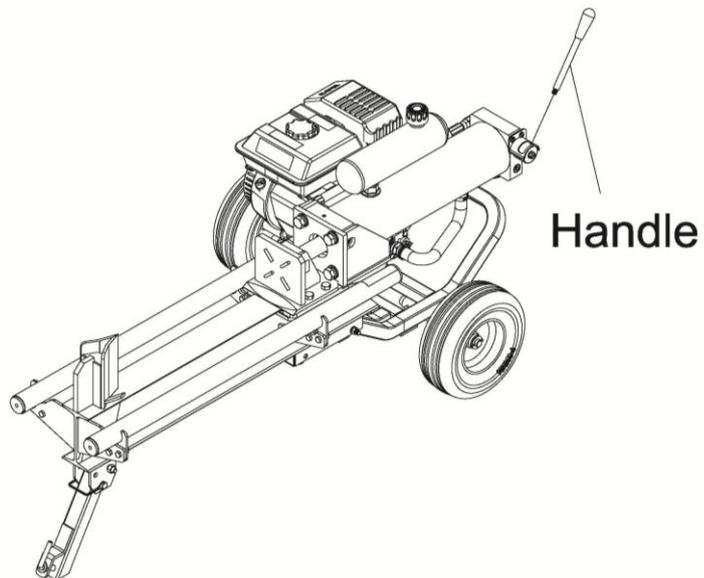
### STEP 3: Front Support Leg

1. Rotate the front support leg up and secure with the lock pin.



### STEP 4: Attach Control Valve Handle

1. Insert the control valve handle into the base and secure handle with a 10mm wrench.

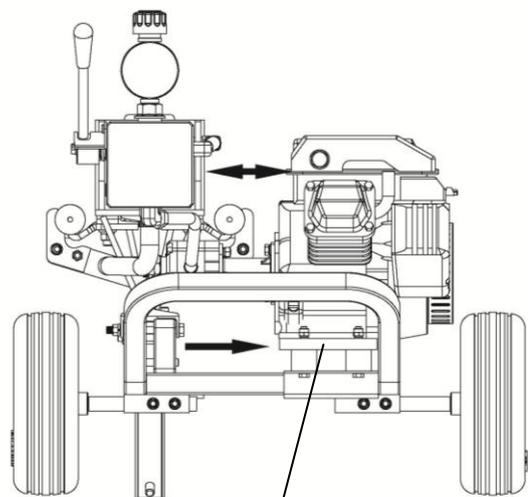
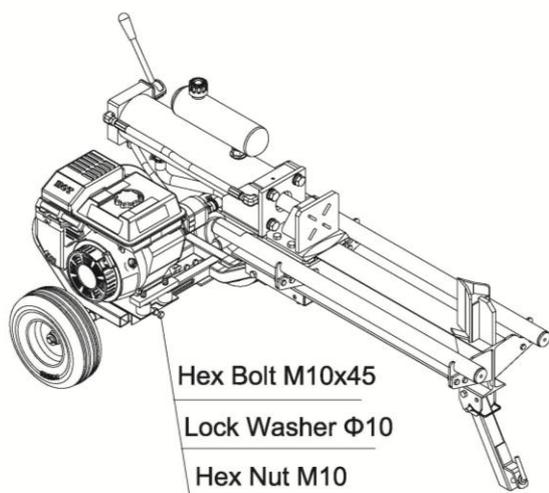


## STEP 5: Change Engine Position

1. Engine needs to be moved away from the cylinder to operate correctly. Loosen the hex bolt M10x45, lock washer  $\varnothing 10$  and hex nut M10, slide the engine out away from the cylinder and retighten the hex bolt, lock washer and nut.

### WARNING

Engine must be moved away from the cylinder to operate correctly. **Failure to follow this instruction may result in voiding the warranty on the log splitter.**



Move the Engine out away from the Log Splitter.

# Operation Instructions

## WARNING

Before operating or using the log splitter, review the instructions below and all safety information. Failure to follow these instructions may result in property damage or injury to the operator or bystanders.

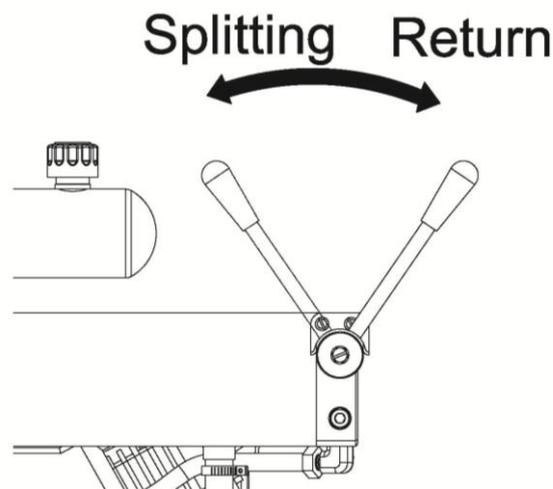
### CONTROL HANDLE

The control handle has two positions Splitting and Return.

**SPLITTING:** Move the control handle FORWARD to split wood.

**RETURN:** Release the control handle to RETURN the push plate to its original position automatically.

**NOTE:** Control handle will return to its original position once the handle is released.



### STARTING ENGINE

1. Attach spark plug wire to spark plug. Make certain the metal cap on the end of the spark plug wire is fastened securely over metal tip of the spark plug.
2. Turn fuel valve, if equipped, to the ON position.
3. Move choke lever, if equipped, to CHOKE position.
4. If the engine is equipped with a primer, follow instructions in the engine manual to prime it.
5. Turn the throttle control handle to the FAST position.
6. Grasp starter handle and pull rope out slowly until engine reaches start of compression cycle (rope will pull slightly harder at this point).
7. Pull rope with a rapid, full arm stroke. Keep firm grip on starter handle. Let rope rewind slowly. Repeat until engine cranks.
8. After engine starts, move choke lever (if equipped) to OFF position. Place throttle lever to the speed desired.
9. In cold weather, run push plate up or down beam 6 to 8 times to circulate the hydraulic fluid.



**WARNING:** When starting a warm engine, the muffler and surrounding areas are hot use caution to avoid burns. DO NOT TOUCH.

## STOPPING ENGINE

1. Move throttle control handle to STOP or OFF position.
2. Turn off the engine switch.
3. Disconnect spark plug wire and ground against the engine to prevent unintended starting.

**IMPORTANT:** Your log splitter is shipped without engine oil. You **MUST** add oil before operating. Be careful not to overfill.



**WARNING:** Read, understand, and follow all instructions and warnings on the machine and in this manual before operating.



**WARNING:** Wear leather work gloves, safety shoes, ear protection, and safety glasses when operating a log splitter. Ensure safe footing.

## GAS AND OIL FILL-UP

Service the engine with gasoline and oil as instructed in the engine manual packed with your log splitter. Read instructions carefully.

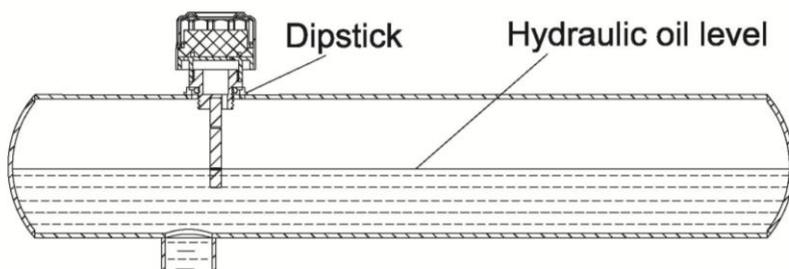
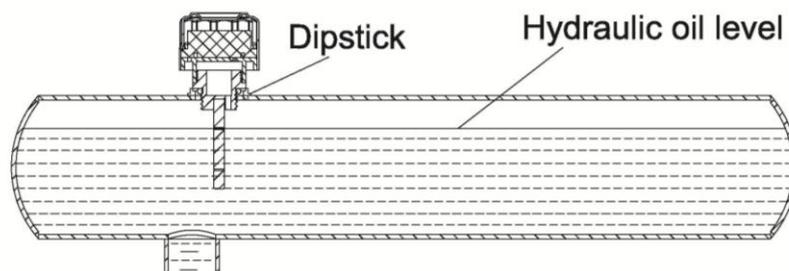


**WARNING:** Use extreme care when handling gasoline. Gasoline is extremely flammable and the vapors are explosive. Never fuel machine indoors or while the engine is hot or running.

## ADDING HYDRAULIC OIL

**IMPORTANT:** The Log Splitter is shipped without hydraulic oil you need to add oil before operating.

1. Add approximately 1.19 Gallon (4.5L) of hydraulic oil or until its 2/3rds from the top of the tank.
2. Start engine and move the control valve handle forward to move the push plate.
3. Release the handle to return the push plate. Repeat the process 3 times.
4. Turn off the engine and recheck the hydraulic oil level.
5. Add hydraulic oil until its 2/3rds from the top of the tank.
6. The oil level should be in the right level range.

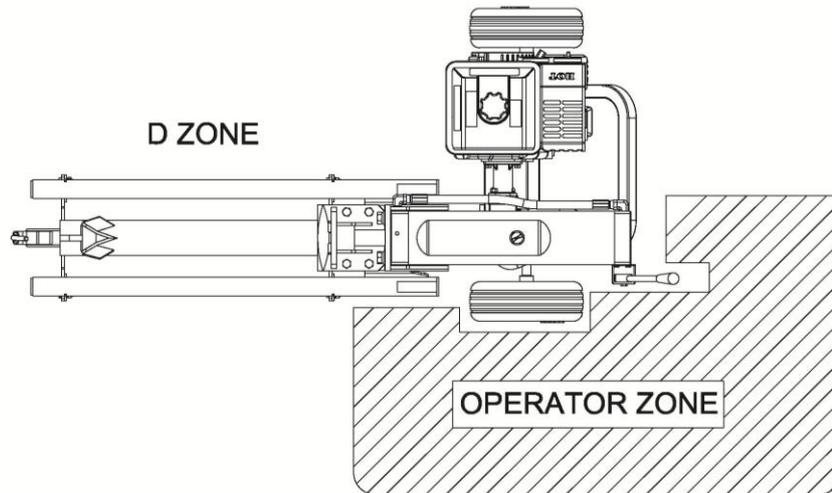


## WORK ZONE AREA

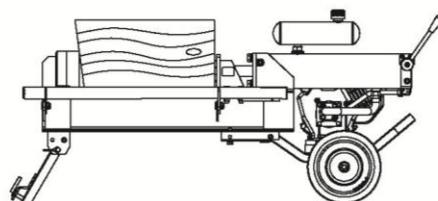
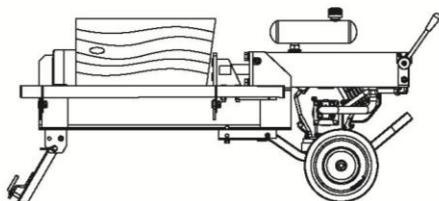
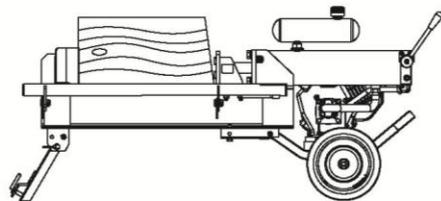
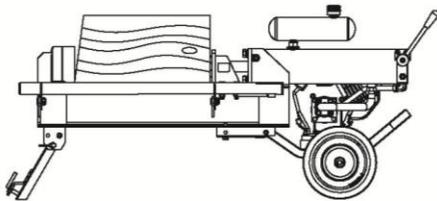


**WARNING:** There is no hydraulic oil in your log splitter you must check and add oil before using.

**IMPORTANT:** Always operate this machine in Operator Zone. Keep people and pets away from the Danger Zone (D Zone) when splitting logs.



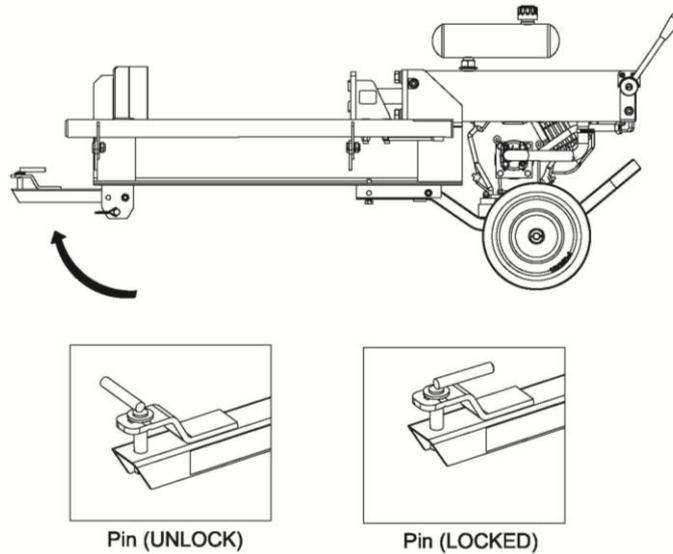
## HOW TO SPLIT LOGS WITH A SLANTED SURFACE



**WARNING:** Never remove partially split wood from the wedge with your hands. Fingers may become trapped between the split wood.

## TRANSPORTING THE LOG SPLITTER

**IMPORTANT:** Always turn the fuel valve to the OFF position and rotate up the support leg, attach to the vehicle tow plate and secure with the lock pin.



**NOTE:** Use caution when backing up. It is recommended to use a spotter outside the vehicle. Do not exceed 5 MPH when towing the splitter

### Before Each Use

1. Remove the dipstick and check hydraulic fluid level.
2. Check engine oil level. Refill if necessary.
3. Fill up gasoline if necessary.
4. Lubricate the beam area where splitting wedge will slide with engine oil. Do not use grease to lubricate. Make sure to lubricate both the front and back of the beam face.
5. Attach spark plug wire to the spark plug.

### Using the Log Splitter

1. Place the log splitter on level, dry ground.
2. Place the log against the wedge and split the wood in the grain direction only.
3. To stabilize the log, place your hand only on sides of log. **Never place hand on the end between the log and the splitting wedge.**
4. Only one adult should stabilize the log and operate the control handle, so the operator has full control over the log and the splitting wedge.

### Control Handle

1. Move control handle FORWARD to split wood.
2. Release the control handle to return the wedge.



**WARNING:** Never remove partially split wood from the wedge with your hands. Fingers may become trapped between split wood.

## OPERATING TIPS

### Always:

1. Use clean fluid and check fluid level regularly.
2. Use an approved hydraulic fluid: 10W AW-32, ASLE H-150, ISO 32
3. Use a breather cap on fluid reservoir.
4. Flush and clean hydraulic system before restarting after servicing.
5. Use "Teflon Tape" on all hydraulic fittings.
6. Allow time for warm-up before splitting wood.
7. Prime the pump before initial start-up by turning over the engine with spark plug disconnected. Split wood along the grain (lengthwise) only.

### Never:

1. Use when fluid is below 20° F or above 150° F.
2. Operate through relief valve for long.
3. Operate with air in hydraulic system.
4. Attempt to cut wood across the grain.
5. Attempt to remove partially split wood from the wedge with your hands. Fully retract press plate to dislodge wood with log dislodge.

## Maintenance



**WARNING:** Do not at any time make any adjustments without first stopping engine, disconnecting spark plug wire, and grounding it against the engine. Always wear safety glasses during operation or while performing any adjustments or repairs.



**WARNING:** Before cleaning, lubricating, repairing, or inspecting always stop the engine. Disconnect the spark plug wire and ground it against the engine to prevent unintended starting. Always wear safety glasses during operation or while performing any adjustments or repairs.



**WARNING:** Higher pressure could cause the hoses to burst, cylinder to rupture, and intense fluid to be released, which could result in serious personal injury.

## CONDITIONS THAT VOID WARRANTY

1. Failure to maintain proper fluid level in reservoir
2. Changing the relief valve setting or pressure adjustment of control valve without proper knowledge and instruction from the factory
3. Disassembling the pump
4. Use of incorrect hydraulic fluid
5. Lack of lubrication or improper lubrication of the beam or unit
6. Excessive heating of the hydraulic system
7. Attempting to start unit in temperatures under 20°F without pre-heating fluid in reservoir
8. Unattended leaks in hydraulic system

## STORING YOUR LOG SPLITTER

Prepare your log splitter for storage at the end of the season or if the log splitter will not be used for 30 days or more.



**WARNING:** Never store machine with fuel in the fuel tank inside of building where fumes may reach an open flame or spark, or where ignition sources are present such as hot water and space heaters, furnaces, clothes dryers, stoves, electric motors, etc.

1. Clean the log splitter thoroughly.

**NOTE:** We do not recommend the use of pressure washers or garden hose to clean your unit. They may cause damage to bearings or the engine. The use of water will result in shortened life and reduce serviceability.

2. Wipe unit with an oiled rag to prevent rust, especially on the push plate and the beam.
3. Drain fuel tank. Always drain fuel into approved container outdoors, away from open flame. Be sure that engine is cool before draining the fuel. Do not smoke while handling fuel.
4. Start the engine and let it run until the fuel lines and carburetor are empty.
5. Remove spark plug. Holding a rag over the cylinder hole, pour approximately 1/2 ounce (approximately one tablespoon) of engine oil into cylinder and crank slowly to distribute the oil.
6. Replace spark plug.
7. Do not store gasoline from one season to another.
8. Replace your gasoline can if it starts to rust. Rust and/or dirt in the gasoline will cause problems.
9. Store unit in a clean, dry area. Do not store next to corrosive materials, such as fertilizer.

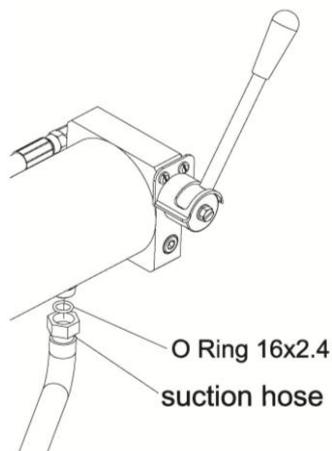
**NOTE:** If storing in an unventilated or metal storage shed, be certain to rustproof the equipment by coating with a light oil or silicone.

## Hydraulic Oil

Always check the hydraulic oil level before each use. Maintain oil level within the range specified on the dipstick at all times.

Change the hydraulic oil in the reservoir every 100 hours of operation. Follow the steps below:

1. Discharge hydraulic oil by suction hose, and disconnect the suction hose from the bottom of the reservoir tank.
2. Carefully take the O Ring 16x2.4 out. See below picture.
3. Allow the fluid to drain into a suitable container.
4. Reinsert the O Ring 16x2.4 and refill the reservoir with approximately 1.19 gallons (4.5L) of hydraulic oil. Maintain oil level within the range specified on the dipstick at all time. When checking the oil always make sure to tighten the dipstick.



**NOTE:** Always dispose of used hydraulic oil and engine oil at approved recycling centers only.

**Hydraulic Oil**

Contaminants in oil may damage the hydraulic components. Flushing the reservoir tank and hoses with kerosene whenever service is performed on the tank, hydraulic pump or valve is recommended. Contact an authorized service dealer.

**Beam and Push Plate**

Lubricate the beam before each use with engine oil. Lubricate the top of the beam and under the top edge so the push plate will easily move across the beam.

If necessary adjust the side bolts so the wedge moves freely. There should be no excess space between the push plate and beam.

**Hose Clamps**

Check, before each use, if hose clamps on the suction hose (attached to the side of the pump) are tight. Check the hose clamps on the return hose at least once a season.

**Engine**

Refer to the separate engine manual for all maintenance instructions.

# Troubleshooting



## WARNING

Before troubleshooting or attempting to service, read and follow all safety instructions to avoid serious injury to the operator or bystanders from moving parts that can crush, cut, burn or have escaping high pressure hydraulic fluid.

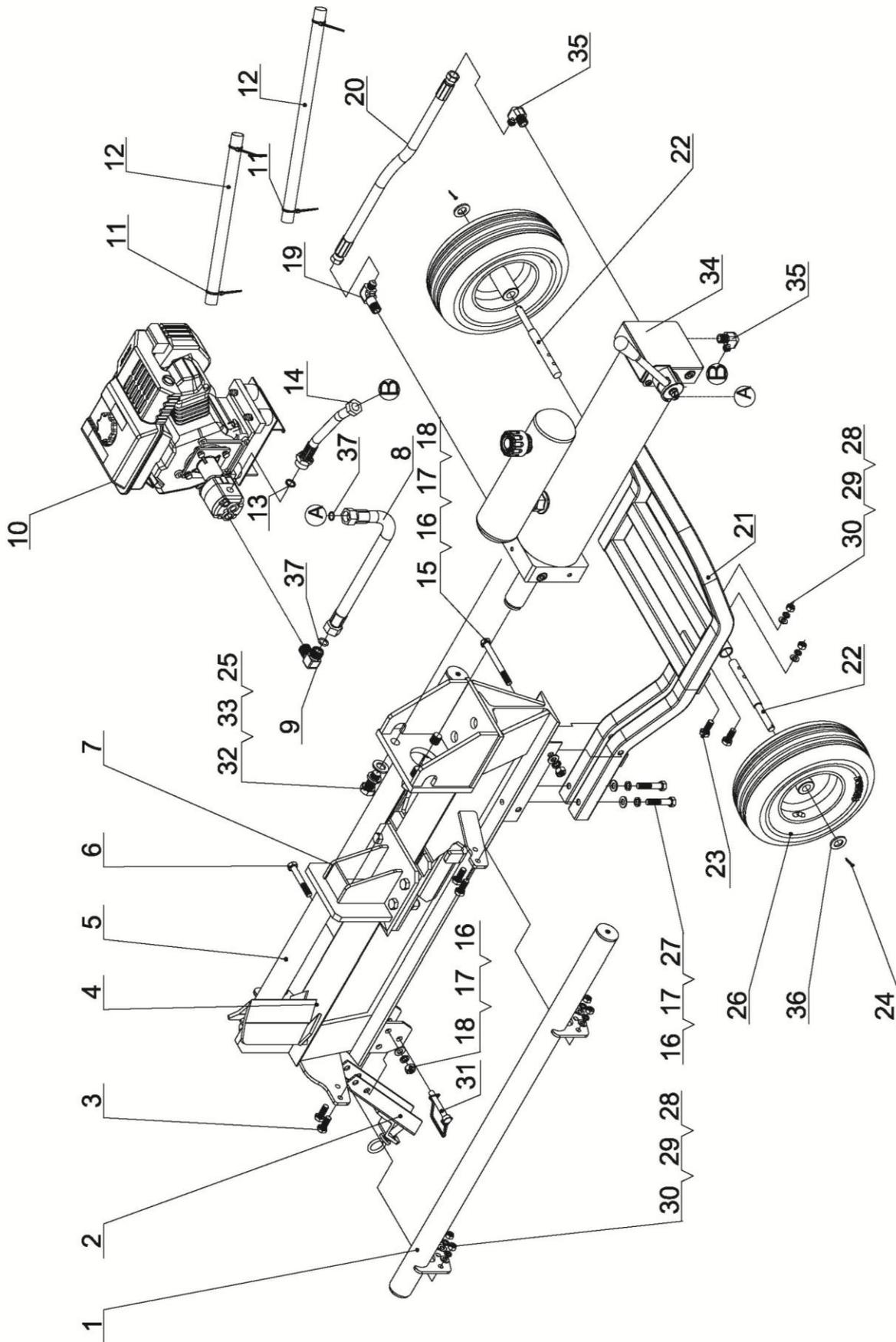
<b>Problem</b>	<b>Cause</b>	<b>Remedy</b>
Slow cylinder shaft speed while extending and retracting.	<ol style="list-style-type: none"> <li>1. Gear sections damaged.</li> <li>2. Excessive pump inlet vacuum.</li> <li>3. Slow engine speed.</li> <li>4. Damaged relief valve.</li> <li>5. Incorrect oil level.</li> <li>6. Contaminated oil.</li> <li>7. Directional valve leaking internally.</li> <li>8. Internally damaged cylinder.</li> </ol>	<ol style="list-style-type: none"> <li>1. See authorized service dealer.</li> <li>2. Make certain pump inlet hoses are clear and unblocked-use short, large diameter inlet hoses.</li> <li>3. See authorized service dealer.</li> <li>4. See authorized service dealer.</li> <li>5. Check oil level.</li> <li>6. Drain oil, clean reservoir, and refill.</li> <li>7. See authorized service dealer.</li> <li>8. See authorized service dealer.</li> </ol>
Leaking Cylinder	<ol style="list-style-type: none"> <li>1. Broken seals.</li> <li>2. Scored cylinder.</li> </ol>	<ol style="list-style-type: none"> <li>1. See authorized service dealer.</li> <li>2. See authorized service dealer.</li> </ol>
Engine runs but wood will not split or wood splits too slowly	<ol style="list-style-type: none"> <li>1. Small gear section damaged.</li> <li>2. Pump check valve leaking.</li> <li>3. Excessive pump inlet vacuum.</li> <li>4. Incorrect oil level.</li> <li>5. Contaminated oil.</li> <li>6. Directional valve leaking internally.</li> <li>7. Overloaded cylinder.</li> <li>8. Internally damaged cylinder.</li> </ol>	<ol style="list-style-type: none"> <li>1. See authorized service dealer.</li> <li>2. See authorized service dealer.</li> <li>3. Make certain pump inlet hoses are clear and unblocked.</li> <li>4. Check oil level.</li> <li>5. Drain oil, clean reservoir, and refill.</li> <li>6. See authorized service dealer.</li> <li>7. Do not attempt to split wood against the grain.</li> <li>8. See authorized service dealer.</li> </ol>
Engine stalls during splitting	<ol style="list-style-type: none"> <li>1. Low horsepower/weak engine.</li> <li>2. Overloaded cylinder</li> </ol>	<ol style="list-style-type: none"> <li>1. See authorized service dealer.</li> <li>2. Do not attempt to split wood against the grain or see authorized service dealer..</li> </ol>
Engine will not turn or stalls under low load conditions	<ol style="list-style-type: none"> <li>1. Engine/pump misalignment.</li> <li>2. Frozen or seized pump.</li> <li>3. Low horsepower/week engine.</li> <li>4. Hydraulic lines blocked.</li> <li>5. Blocked directional valve.</li> </ol>	<ol style="list-style-type: none"> <li>1. Correct alignment as necessary.</li> <li>2. See authorized service dealer.</li> <li>3. See authorized service dealer.</li> <li>4. Flush and clean hydraulic system.</li> <li>5. Flush and clean hydraulic system.</li> </ol>
Leaking pump shaft seal	<ol style="list-style-type: none"> <li>1. Broken drive shaft.</li> <li>2. Engine/pump misalignment.</li> <li>3. Gear Sections damaged.</li> <li>4. Poorly positioned shaft seal.</li> <li>5. Plugged oil breather.</li> </ol>	<ol style="list-style-type: none"> <li>1. See authorized service dealer.</li> <li>2. Correct alignment as necessary.</li> <li>3. See authorized service dealer.</li> <li>4. See authorized service dealer.</li> <li>5. Make certain reservoir is properly vented.</li> </ol>

## Specifications

Ram Force .....	13 Ton
Cycle Time .....	11 Sec
Cylinder Bore Size .....	3.15"
Hydraulic Oil.....	10WT A W32, ASLE H-150 or ISO32
Amount of Hydraulic Fluid .....	.1.19 Gallon (4.5L)
Max. Log Length .....	19"
Tire Size.....	10"
Max. Towing Speed .....	5 MPH
Overall Dimensions (L x W x H) .....	59"x27.8"x31.5" (150x70.6x80cm)
Engine.....	4Hp

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

# Parts Drawing & Parts List



REF#	DESCRIPTION	QTY	REF#	DESCRIPTION	QTY
1	Return Spring Assy.-Left	1	20	Hydraulic Hose (front end cap-rear end cap)	1
2	Front Support Leg Assy.	1	21	Rear Frame Assy.	1
3	Hex Bolt M8x25	8	22	Wheel Axle	2
4	Beam Assy.	1	23	Hex Bolt M8x40	4
5	Return Spring Assy.-Right	1	24	Cotter Pin $\Phi$ 3.2x25	2
6	Hex Bolt M10x70	1	25	Flat Washer $\Phi$ 14	4
7	Push Plate Assy.	1	26	10" Pneumatic Tire	2
8	Suction Hose	1	27	Hex Bolt M10x50	2
9	Angle Connector	1	28	Flat Washer $\Phi$ 8	12
10	Engine Assy.	1	29	Lock Washer $\Phi$ 8	12
11	Nylon Cable	2	30	Hex Nut M8	12
12	High Pressure Hose Sleeve	1	31	Lock Pin	1
13	Combination Washer $\Phi$ 14	1	32	Hex Bolt M14x35	4
14	Inlet Hose (High Pressure Hose)	1	33	Lock Washer $\Phi$ 14	4
15	Hex Bolt M10x100	1	34	Cylinder	1
16	Flat Washer $\Phi$ 10	4	35	Inlet Connector	2
17	Lock Washer $\Phi$ 10	7	36	Flat Washer $\Phi$ 16	2
18	Hex Nut M10	2	37	O Ring 16x2.4	2
19	King-size Angle Connector	1			

# Limited Warranty

## **Warranty**

For one year from the date of purchase YTL International will replace for the original purchaser, or repair the log splitter. The warranty will not apply to any unit which was not assembled correctly, misused, overloaded or which has been used or operated contrary to our instructions, or which has been repaired or altered by anyone other than an authorized representative.

## **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 as a whole.

## **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.

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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