

LOG DOG

2-WAY PETROL LOG SPLITTERS

PART NO.: LD30T, LD35T



**TO PREVENT SERIOUS INJURY, READ
AND UNDERSTAND ALL WARNINGS
AND INSTRUCTIONS BEFORE USE**

**OPERATING
INSTRUCTIONS**

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INTRODUCTION





Hydraulic log splitter has a heavy-duty steel construction and 30 or 35 tons of ram force. When there's work to be done, you need outdoor power equipment you can rely on, this log splitter will get the job done fast. It is designed to work in horizontal position and vertical position. It is easy to tow, easy to use and maintain.

Please read and understand the content of this manual in conjunction with the engine manual for safety guidelines, start-up, shut-down, operation, adjustment and maintenance instructions before using this product. Take all possible precautions to protect your own safety and that of the people in the immediate vicinity. Save this manual for future reference.

Specifications		
MODEL	LD30T	LD35T
MAX SPLITTING FORCE	30T	35T
MAX LOG LENGTH	610mm	610mm
CYLINDER CYCLE TIME	11.3s	13.6s
PUMP SIZE	14 GPM, 2 Stage	14 GPM, 2 Stage
HYDRAULIC CYLINDER LENGTH	859mm	859mm
HYDRAULIC CYLINDER BORE	100mm	114mm
HYDRAULIC CYLINDER STROKE	575mm	575mm
HYDRAULIC ROD DIAMETER	45mm	45mm
HYDRAULIC PRESSURE (Mpa)	28.3	26.2
HYDRAULIC OIL CAPACITY	17L	18L
REPLACEMENT FILTERS	Built-in sealed filter	Built-in sealed filter
HYDRAULIC OIL TYPE (Hydraulic Fluid: ISO22 and ISO32 must be used)	ISO22 prefilled	ISO22 prefilled
Engine Horse Power	7HP	7HP
Displacement cc	212cc	212cc
Engine Stroke	4	4
Fuel Tank Size (L)	3.6L	3.6L
Fuel Type	Regular Ron 91	Regular Ron 91
Oil Capacity (L)	0.6L	0.6L
Spark Plug Type	F7RTC or equivalent	F7RTC or equivalent
Start Type	Recoil	Recoil
Jockey Wheel	YES	YES
Work Table	1	2
Wedge Guard	YES	YES
Wheel Fenders	YES	YES

LOG DOG is constantly improving its products. All information in this manual is based on the latest product information available at the time of printing. The specifications outlined herein are subject to change without prior notice or obligation. The purchaser and/or user shall assume liability for any modification and/or alterations of this equipment from original design and manufacture.

HAZARD SIGNAL WORD DEFINITIONS

	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. Obey all safety messages that follow this symbol to avoid possible injury or death.
 DANGER	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
CAUTION	Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

BEFORE STARTING

The Log Splitter is shipped without oil. You must add adequate amount of engine oil before first use. The engine will be damaged beyond repair if it's started without oil. For oil type, please see "Recommended Oil Type" section in your engine manual. Fresh regular RON 91 fuel must be used in this unit. DO NOT use premium or Ethanol based fuels.

Read and understand all safety warnings and instructions in this manual before proceeding with use of the product or recommended maintenance tasks. Keep this instruction manual for future reference.

SAFETY SIGNS

Comply with the instructions provided by the safety signs and symbols fitted to the Log Splitter and in this manual. The Log Splitter and manual only feature the symbols relevant to the model purchased. Check that the symbols and signs affixed to the unit are always present and legible; otherwise, fit replacements in the original positions.

ENVIRONMENTAL



Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be resorted, taken to the local recycling center and disposed of in an environment-friendly safe way.

SYMBOLS

The rating plate on your machine may show symbols. These represent important information about the product or instructions on its use.



Read these instructions carefully.



Wear eye protection.
Wear hearing protection.



Wear protective gloves.



Wear safety footwear.



Do not remove or tamper with the protection and safety devices.



Don't stand or sit on the log splitter.



Operate the log splitter on level surfaces. Stay off slopes and slippery surfaces.



Do not touch parts that are hot from operation. Serious burns may result.



No smoking, sparks, or flames.



Properly dispose of waste oil!



Keep children and bystanders off and away.



Be sure the engine's switch is off before transporting the machine or performing any maintenance.



Keep hands and fingers away from all pinch points.



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



Keep hands away from moving parts. Moving parts can crush or cut.



Keep feet away from moving parts. Moving parts can crush or cut.



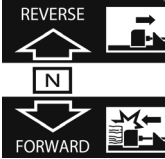
Always keep body and hands away from pin holes or nozzles that eject hydraulic fluid under pressure. Escaping hydraulic fluid can puncture skin and cause blood poisoning.



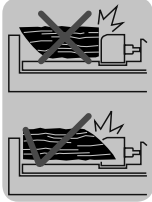
Thrown objects.



Check and fill hydraulic oil.



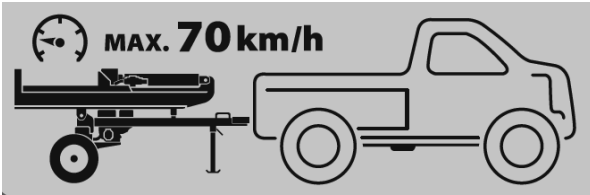
Follow the direction indicated to use the control lever.



For logs that are not cut square, the longest portion of the log should be rotated down and the most square end placed toward the end plate.



Do not transport with objects on the machine.



Maximum towing speed of 70km/h.

GENERAL SAFETY RULES FOR OPERATION



WARNING

Read all safety warnings, instructions, illustrations and specifications provided with this Log Splitter. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

This equipment is to be only used for the purpose for which it is designed and intended.

TO AVOID DAMAGING the Log Splitter DURING USE it is critical to adhere to the safety guidelines, precautions, engine precautions and pre-start inspection.

Seek assistance if required when moving and assembling the Log Splitter.

WORK AREA SAFETY

- **Intended for outdoor use only.** DO NOT operate in confined spaces or indoors, carbon monoxide released in the exhaust can kill.
- **Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**
- **Keep children and bystanders away while operating a Log Splitter.** Distractions can cause you to lose control.
- **Beware of uneven or slippery work surfaces.** Slip/Trip/Fall is a major cause of serious injury or death
- **This Log Splitter is not weatherproof.** Exposure to extreme temperature can cause damage or serious injury.

PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a Log Splitter. Do not use a Log Splitter while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention may result in serious personal injury.
- **Use personal protective equipment.** Always wear eye protection and suitable face mask to protect yourself from objects that maybe thrown from the unit. Wear hearing protection if working nearby to the Log Splitter.
- **Always wear safety apparel.** Wear protective gloves and non-slip protected footwear or boots.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the Log Splitter in unexpected situations.
- **Dress properly. Do not wear loose clothing, gloves, neckties or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **Do not let familiarity gained from frequent use of Log Splitter allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.
- For your own safety, do not operate your Log Splitter until it is completely assembled and installed according to the instructions and until you have read and understood all of the safety guidelines.

LOG SPLITTER SAFETY RULES

- **Do not force the Log Splitter. Use the correct Log Splitter for your application.** The correct Log Splitter will do the job better and safer at the rate for which it was designed.
- **Be thoroughly familiar with the controls and their proper operation.** Know how to stop the machine and disengage the controls quickly.
- **Do not use the Log Splitter if the engine switch or trigger does not turn it on and off.** Any Log Splitter that cannot be controlled with the switch is dangerous and must be repaired.
- **Switch off the engine, disconnect the spark plug lead before making any adjustments, service or storing Log Splitters.** Such preventive safety measures reduce the risk of starting the Log Splitter accidentally.
- **Store idle Log Splitters out of the reach of children and do not allow persons unfamiliar with the Log Splitter or these instructions to operate the Log Splitter.** Log Splitters are dangerous in the hands of untrained users.
- **Maintain Log Splitters and accessories.** Check for misalignment or binding of moving parts, leakage of oil and fuel and any other condition that may affect the Log Splitter's operation. If damaged, have the Log Splitter repaired before use. Many accidents are caused by poorly maintained Log Splitters.
- **Use the Log Splitter, accessories and etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the Log Splitter for operations different from those intended could result in a hazardous situation.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the equipment in unexpected situations.
- **Do not alter or misuse the tool.** These tools are precision built. Any alteration or modification not specified is misuse and may result in dangerous conditions.
- **NEVER leave running equipment unattended.** Shut down before leaving worksite.
- **Always keep hands and feet away from all pinch points.**
- **NEVER move equipment by pulling the hoses.**
- Do not touch parts that might be hot from operation. Allow parts to cool before attempting to maintain, adjust, or service.
- Do not at any time carry passengers, sit or stand on the log splitter.
- **NEVER exceed the capacity of the unit.**
- **NEVER spray water directly at the Log Splitter.**
- **PRACTICE & TEST** using the Log Splitter on each new material. The Log Splitter is extremely powerful and can damage property if untested.

ADDITIONAL HAZARDS AND RISKS

- **Mechanical hazards.** Be sure the engine is filled with oil before startup. BE CAREFUL not to come in contact with the exhaust when the engine is hot, it can cause severe burns. ENSURE that the repairs to the motor and equipment are carried out by suitably qualified personnel.
- **Fire & explosion hazards.** PETROL is extremely flammable and explosive under certain conditions. ENSURE that the petrol is only stored in an approved storage container. DO

NOT refuel while it is in operation or hot. Allow engine to cool before refuelling. DO NOT refuel the motor in the vicinity of sparks, a naked flame or a person smoking. DO NOT over fill the fuel tank and avoid spilling petrol when refueling. Spilled petrol or petrol vapor may ignite. If spillage occurs, ensure that the area is dry before starting the motor. ENSURE that the fuel tank cap is securely fitted after refueling. NEVER spray flammable liquid.

- **Noise hazards.** EXCESSIVE NOISE can lead to temporary or permanent loss of hearing. This Log Splitter can produce sounds of up to 103dBA during operation. Ensure hearing protection is worn when in use. WEAR an approved hearing protection device to limit noise exposure as required by Occupational Health and Safety regulations.
- **Chemical hazards.** DO NOT operate or refuel a petrol motor in a confined area without adequate ventilation. DO NOT use with toxic chemicals, only use non-hazardous approved cleaning agents. NEVER spray toxic, harsh acidic or alkaline liquids.

HYDRAULIC SYSTEM SAFETY

- The hydraulic system of the machine requires careful inspection along with the mechanical parts. Be sure to replace frayed, kinked, cracked, or otherwise damaged hydraulic hoses or hydraulic components.
- Hydraulic fluid can result in severe burns. Fluid in the hydraulic system can penetrate skin and result in serious injury or death. Be sure to stop the engine and relieve hydraulic pressure before doing any work on hydraulic parts.
- Keep body and hands away from pin holes or nozzles that expel hydraulic fluid when under pressure. Use paper or cardboard, not hands, to search for leaks.
- Ensure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- Do not remove the cap from the hydraulic tank or reservoir while the machine is running. The tank could contain hot oil under pressure, which could result in serious injury.
- Do not adjust the pressure setting on the hydraulic pump or valve.

SERVICE

- **Have your Log Splitter serviced by a qualified repair person using only factory approved replacement parts.** This will ensure that the safety of the Log Splitter is maintained. Incorrectly fitted parts will void your warranty.
- **The equipment may only be used, maintained or repaired by those persons who understand and have been instructed in the potential dangers.** Independent changes in the equipment cancel any manufacturer's liability for any damages that result from these changes.

APPROPRIATE USE

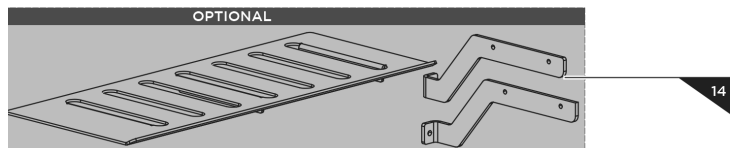
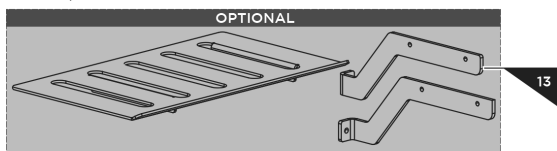
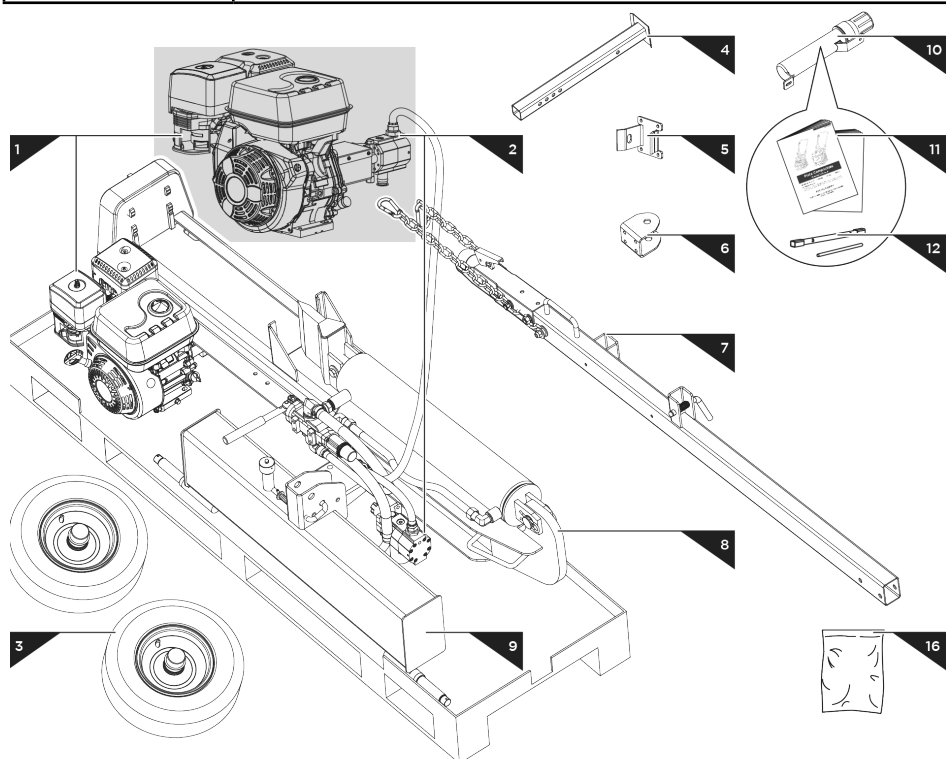
- Use the equipment only when it is in technically perfect condition and only for appropriate jobs, with an awareness of safety and possible dangers, based on observation of the operating instructions! In particular, problems which could influence the safety of use must be immediately dealt with!
- All of the manufacturer's safety, work, and maintenance regulations as well as the given norms in the Specifications must be observed.
- **Know how to stop the engine.** Be thoroughly familiar with proper use of the equipment and all controls and connections. Know how to stop the Log Splitter quickly if needed.

PACK CONTENTS



WARNING

Heavy lifting required. Some of the components in these assembly instructions are heavy and can't be lifted by one person safely. Please plan to assemble this product when another person can be available to help.



HARDWARE KIT

	M22	× 1	A
	4 × 50	× 1	
		× 1	

	M22	× 1	B
	4 × 50	× 1	
		× 1	

	M8 × 40	× 4	C
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	M12 × 85	× 2	D
--	----------	-----	----------

	M10 × 25	× 4	E
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	M10 × 30	× 4	F
	M8 × 25	× 4	

	20 × 98	× 1	G
	Bridge Pin	× 1	

	M8 × 20	× 4	H
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	M8 × 20	× 2	I
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Hardware for table assembly

	M12 × 40	× 4	J
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	M8 × 25	× 4	K
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LD35T

	M12 × 40	× 8	J
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	M8 × 25	× 8	K
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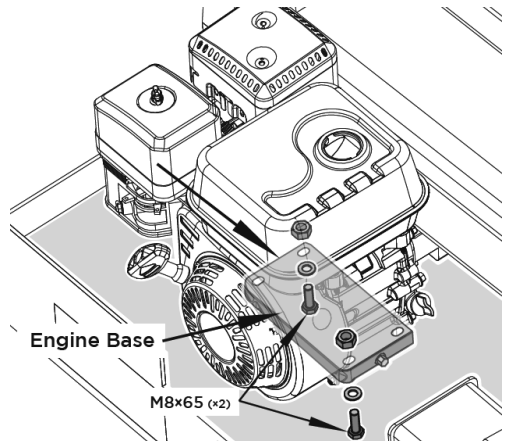
- | | | |
|----------------------|-----------------------|--|
| 1. Engine | 6. Pivot Bracket | 11. Log SplitterManual & Engine Manual |
| 2. Pump | 7. Tow Bar | 12. Tools for Spark plug Assembly |
| 3. Wheels | 8. Beam with Cylinder | 13. 24"Log Table |
| 4. Support Leg | 9. Reservoir | 14. 34" Log Table |
| 5. Beam Lock Bracket | 10. Manual Holder | 16. Hardware Kit |

ASSEMBLY INSTRUCTIONS

This log splitter was partially assembled at the factory. To assemble your machine follow the below instructions.

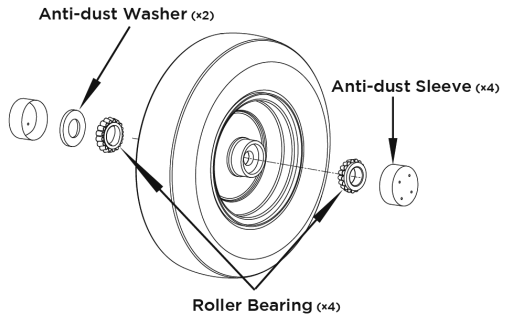
REMOVE ENGINE FROM PACKAGING

Remove the two bolts and nuts, then remove the engine from the pallet.

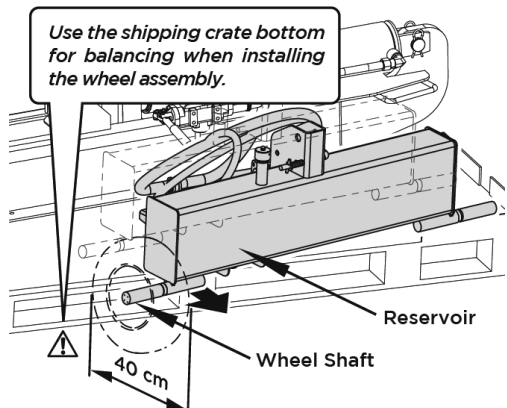


WHEELS

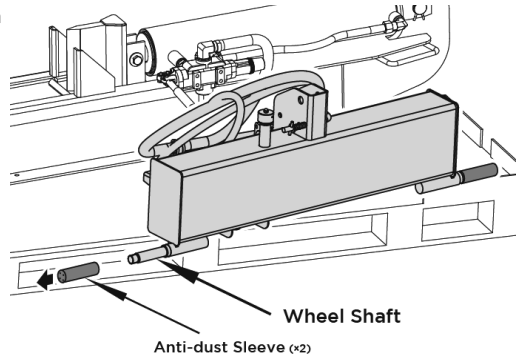
1. Remove the anti-dust sleeves from the two wheels. Take the anti-dust washers and roller bearings from the wheels and set aside for later use.






2. Move the reservoir and let the side wheel shaft outside of the pallet.

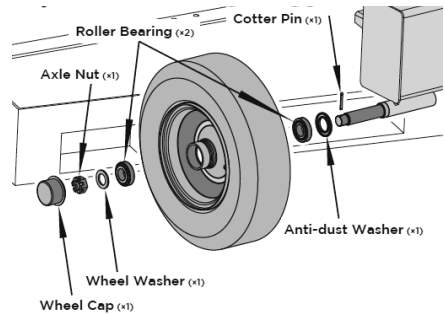


- Remove the two anti-dust sleeves from the wheel axle.



- Slide the anti-dust washer and one roller bearing onto the axle. Use a soft-faced hammer to tap the roller bearing lightly to make sure the bearing is in the right position.

	M22	× 1	
	4 × 50	× 1	A
		× 1	



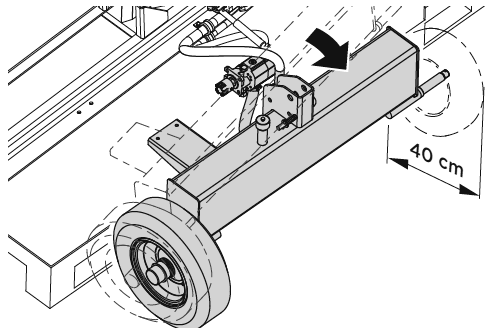
- Slide the wheel with the valve stem facing out to the wheel axle and the other roller bearing, then put the wheel washer against the bearing. Use a 32mm socket to tighten the axle nut completely.
- Spin the wheel clockwise or counterclock wise to ensure proper bearing seating.
- Loosen the axle nut until it is loose enough to turn the wheel with your fingers.
- Retighten the axle nut until "finger tight."
- Insert the cotter pin through the hole in the axle. Bend open and spread the prongs in opposite directions so the axle nut will not come off (make sure the tire spins freely).






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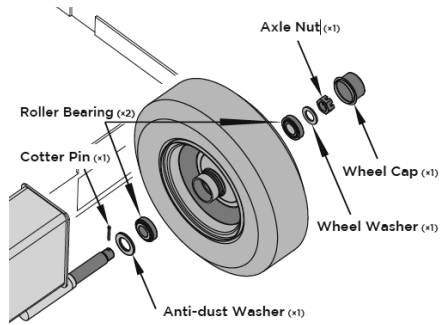
Installation of the cotter pin is important and required. Failure to install the cotter pin can result in loss of wheel retention. Always assemble using a new cotter pin. Do not reuse.

- Use a soft-faced hammer to tap the antidust washer in the right position.
- Align the wheel cap against the wheel hub. Use a soft-faced hammer to tap the wheel cap onto the wheel hub properly.
- Move the reservoir and let the other side wheel shaft outside of the pallet.



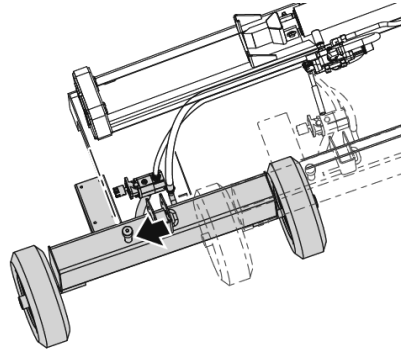
13. Follow the same procedure to assemble the other wheel (follow steps 4 – 11 under wheel assembly.)

	M22	× 1	
	4 × 50	× 1	B
		× 1	



RESERVOIR

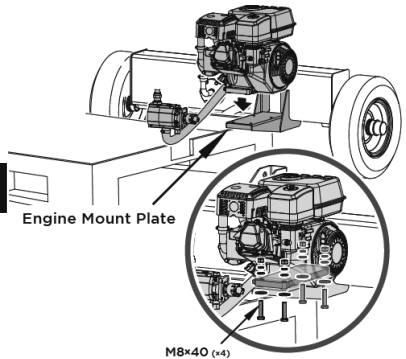
Move the reservoir towards to the pallet corner.



ENGINE INSTALLATION

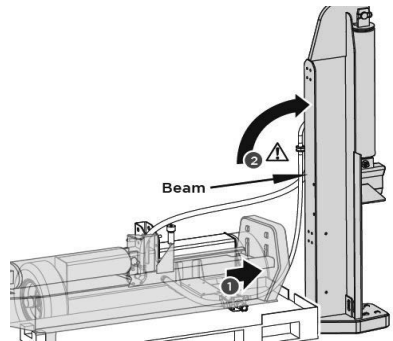
Attach the engine to the engine mount plate on the reservoir by using M8×40 bolts, flat washers, spring washers and nuts.

	M8 × 40	× 4	C
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BEAM

1. Hold and pull the beam outside the pallet.
2. Slowly lift the top of the beam and stand the beam on the end plate in the vertical position.





WARNING

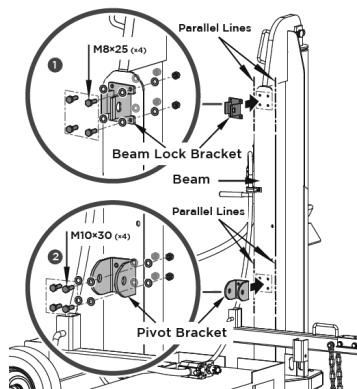
After the beam and cylinder assembly is in the vertical position, a helper is needed to prevent the beam from tipping over until it is secured on the hydraulic tank assembly with the lock pin.

The beam assembly is heavy and has a small foot print. When in the vertical position, the beam may fall, causing damage to the machine and could result in personal injury.

TOW BAR ASSEMBLY

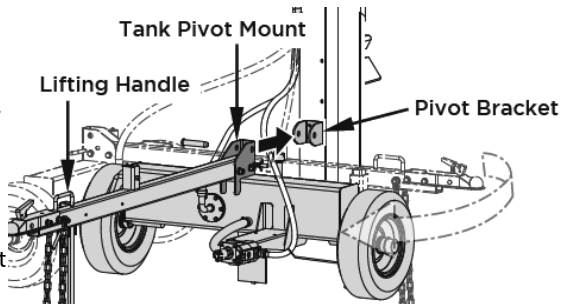
Insert the tow bar into the tank pivot mount
Align the holes in the tow bar with the holes in the tank pivot mount. Connect and tighten the tow bar to the tank by using the M12x85 bolts, flat washers, spring washer, and nuts.

	M10 × 30	× 4	F
	M8 × 25	× 4	

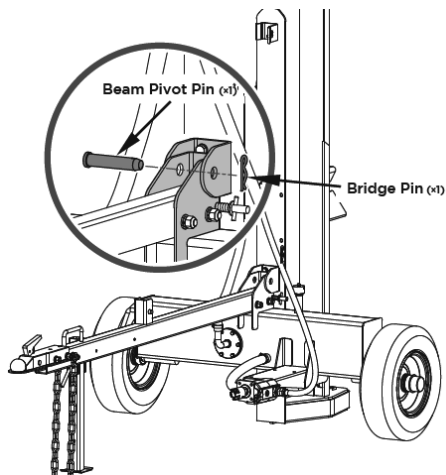


BEAM TO RESERVOIR

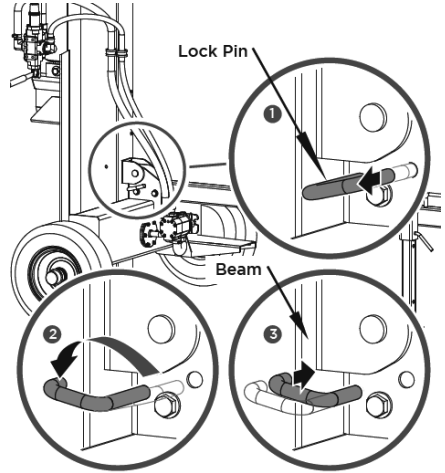
1. Make sure a helper holds on to the beam to keep it from falling. Reposition the beam and reservoir so the back of the tank is facing the vertical beam as shown.
2. Align the pivot bracket on the beam assembly to the pivot mount on the tank weldment and insert the beam pivot pin and washer.
3. Insert the bridge pin through the hole in the beam pivot pin.



	20 × 98	× 1	G
	Bridge Pin	× 1	

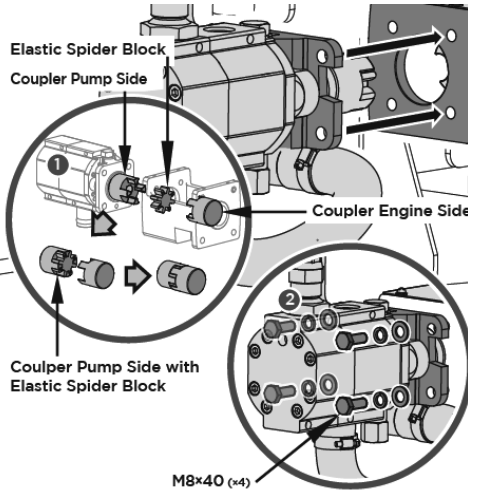


4. Pull the lock pin and rotate the lever to hold the beam.



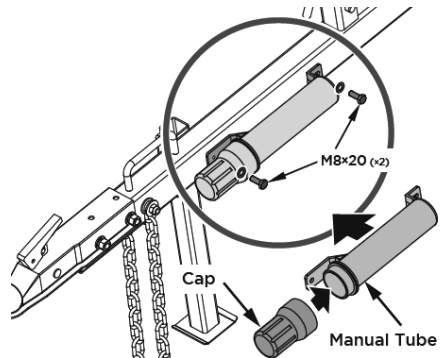
PUMP INSTALLATION

Align the holes in the pump with the holes in the pump bracket. Make sure coupler pump side in the pump engage with the coupler engine side in the pump bracket. Insert M8×20 bolts, spring washers, flat washers and fasten.

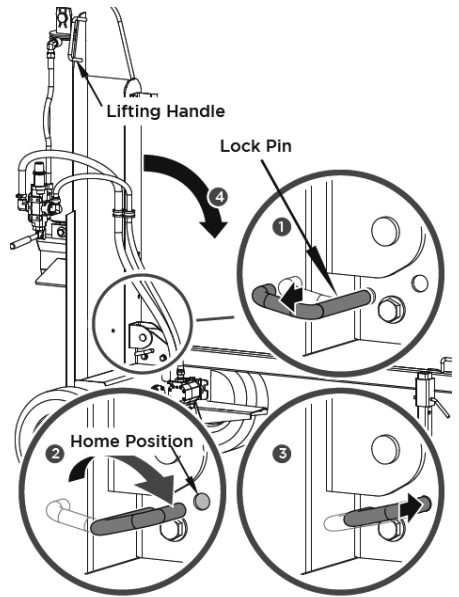


MANUAL HOLDER

1. Remove the cap from the manual tube. Align the holes in the manual tube with the holes in the tow bar. Insert and tighten bolts and washers.
2. Reattach the cap.



3. Pull out the lock pin back to the home position.
4. Hold the lifting handle and slowly lower the beam. It will lock automatically. Double check to make sure the lock pin is locked onto the beam.

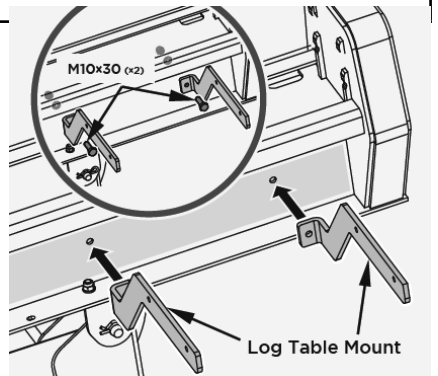
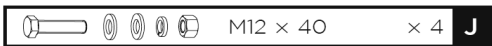


WARNING

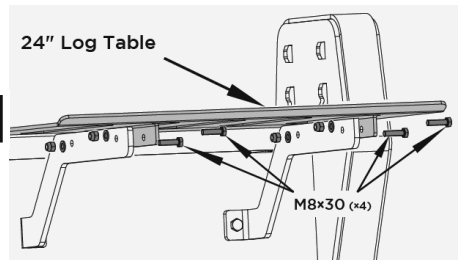
Do not let the beam suddenly drop. Keep hands and fingers clear of pinch or crush points at all times.

TABLE ASSEMBLY

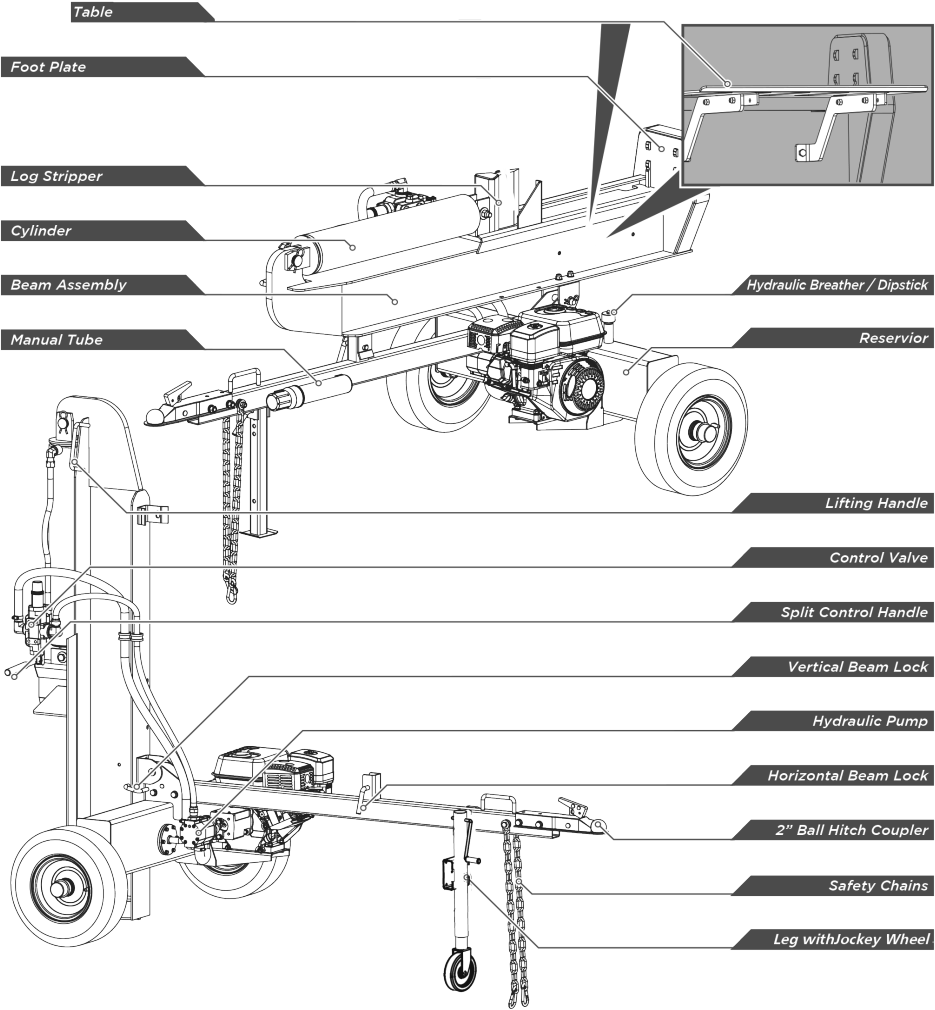
1. LD30T comes with 1 table and LD35T comes with 2 tables.
2. Align the holes on the log table mounts to the holes on the beam. Insert M10×30 bolts, flat washers and nuts and securely tighten.



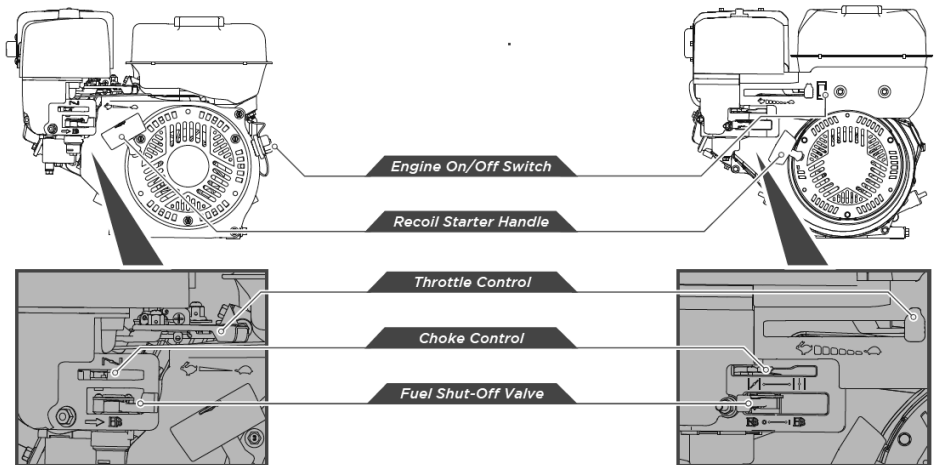
3. Place the log table over the mounts and align the holes from the table and mounts. Insert and tighten the bolts, flat washers, and nuts.



COMPONENT IDENTIFICATION



COMPONENT IDENTIFICATION



Split Control Handle

The control handle is used to move the wedge up and down to split logs. The control handle has three positions: Forward, Neutral, and Reverse. See the “operation” section for instruction.

Manual Holder

Keep manuals safely in the tube.

Beam Lock Bracket

The beam lock bracket is used to secure the beam in the horizontal position.

Lifting Handle

The lifting handle is included for easy transition from horizontal to vertical.

2” Ball Hitch Coupler

The coupler hitch is at the end of the tow bar and attaches to a tow ball for transportation purposes.

Log Stripper

The log stripper is designed to remove any partially split wood from the wedge. This may occur while splitting large diameter wood or freshly cut wood.

Table

A log table/platform can be mounted on the log cradle directly.

Engine On/Off Switch

The engine switch has two positions. OFF - engine will not start or run. ON - engine will start and run.

Recoil Starter Handle

The handle is used to start the engine.

Fuel Shut-Off Valve

OPEN - use this position to run the unit.


Choke Control

The choke control is used to choke the carburetor and assist in starting the engine. The choke control slides between the CHOKE CLOSED and CHOKE OPEN positions.

Throttle Control

The throttle control regulates the speed of the engine and will shut off the engine when it is moved to the STOP position. The throttle control moves between FAST, SLOW, and STOP positions.

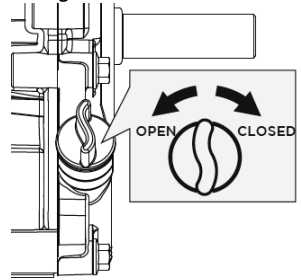
PRE-OPERATION CHECK

 WARNING	<p>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.</p> <p>If a helper is assisting in loading logs to be split, never operate the controls until the helper is clear of the area.</p>
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ADD ENGINE OIL

The engine is shipped without oil. Do not start the engine before adding oil.

1. Make sure the log splitter is on a flat, level surface.
2. Remove the oil fill cap/dipstick to add oil.
3. Using a funnel, add oil up to the FULL mark on the dipstick. (See engine manual for oil capacity, oil recommendation, and location of fill cap.)
4. DO NOT OVERFILL. Check engine oil level daily and add as needed.




ADD FUEL

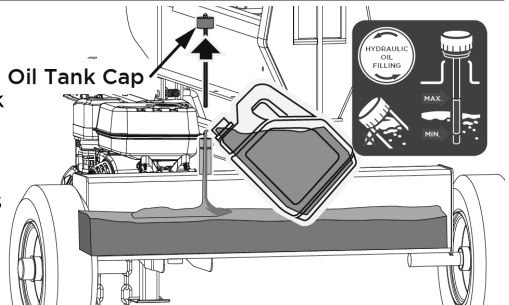
 WARNING	<p>Petrol is highly flammable and explosive. You can be burned or seriously injured when handling fuel. Use extreme care when handling petrol.</p> <p>Fill the fuel tank outdoors, never indoors. Petrol vapors can ignite if they collect inside an enclosure. Explosion can result.</p>
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1. The engine must be off and allowed to cool at least two minutes before adding fuel.
2. Remove the fuel filler cap and fill the tank. (See engine manual for fuel capacity, fuel recommendation, and location of fuel cap.)
3. Reinstall the fuel cap and tighten. Always clean up spilled fuel.

ADD HYDAULIC OIL TO RESOVIOR

 WARNING	<p>Never remove the hydraulic oil dipstick when the engine is running or hot. Hot oil can escape causing severe burns. Allow the log splitter to cool completely before removing the hydraulic oil dipstick.</p>
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1. Make sure the log splitter is on a flat, level surface.
2. Remove the oil dipstick from the oil tank
3. The recommended hydraulic oil type: ISO32
4. Make sure the hydraulic oil level reaches the upper line of the dipstick.





CAUTION

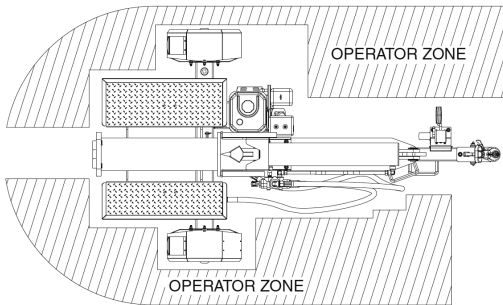
Completely install the dipstick when checking oil level.

5. Start the engine and use the control valve handle to extend and retract the wedge five times to remove air from the high pressure lines.
6. With the wedge retracted and engine off, check the oil level again. Fill if necessary.
7. Cycle the cylinder again until it has a constant speed. This indicates that all air has been expelled.

NOTE: *The hydraulic oil needs to be above 10°F (-12°C) before starting the engine. Cold hydraulic oil can damage the hydraulic pump. If outdoor air temperature is below 32°F (0°C) allow the log splitter to warm up by extending and returning the wedge several times before splitting wood.*

CHECK WORK AREA

The log splitter must have at least seven feet of clearance from combustible material. It needs to be on a dry and level surface with good footing. Do not work on mud, ice, brush or snow. When using the log splitter the work zone must be maintained at all times.



OPERATION

STARTING ENGINE

1. Make sure the control lever is in the neutral position.
2. Move the engine switch to the ON position.
3. Open the fuel shutoff valve.
4. Move the choke lever to the CLOSED position. If the engine is hot, closing the choke is not necessary.
5. Move the throttle lever slightly to the FAST speed.
6. Pull the recoil starter until engine compression has become difficult to pull.
7. Let the recoil return to the home position, then pull quickly to start the engine. Repeat steps as needed. Fully open the choke and set the throttle to the FAST position, before operating the unit.



WARNING

Rapid retraction of the starter cord (kickback) will pull your hand and arm toward the engine faster than you can let go. Broken bones, fractures, bruises, or sprains could result.

STOPPING ENGINE



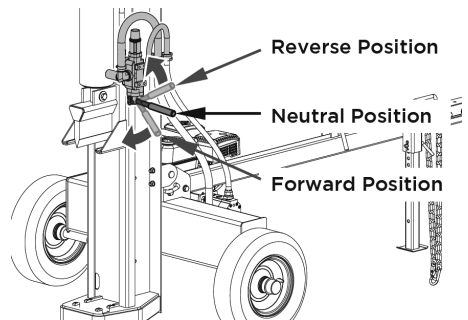
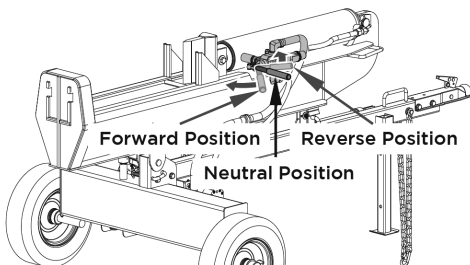
WARNING

Sudden stopping at a high speed under a heavy load is not recommended. Engine damage may result.

Return the cylinder to fully retracted position or home position. Move the Throttle lever to SLOW. Move the engine switch to OFF. Close the fuel shut-off valve.

SPLIT CONTROL HANDLE

1. **Forward position** – Move the lever in this direction to extend the cylinder toward the spinner foot plate. Keep pressure on the lever until the log splits. The lever does not lock in this position. Release as soon as the log is split or the cylinder is fully extended.
2. **Neutral position** – In this position the cylinder does not move even though the engine is running.
3. **Reverse position** – Move the lever in this position to retract the cylinder. Push the lever fully in this direction to lock it return mode. The lever will automatically return to the neutral position once the cylinder fully retracts.





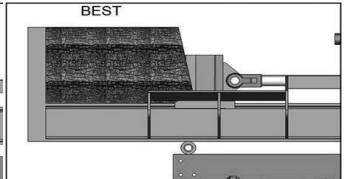
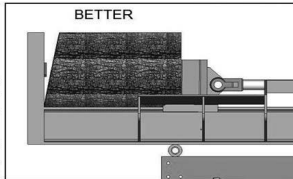
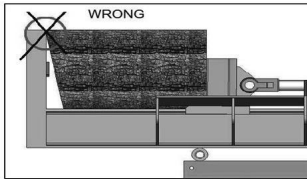
WARNING

Cracks in logs can close quickly and pinch fingers. Keep fingers away from any cracks that open in partially split logs.

Keep hands and fingers away from the splitter wedge and log stripper during cylinder retraction.

LOADING A LOG

Load a log onto the beam against the endplate. Do not exceed the max rated length capacity.



FREING A JAMMED LOG

If a log does not split completely and becomes stuck on the wedge, never attempt to remove it by modifying the splitter or adding attachments to the splitter.

Move the control lever to the Reverse position and allow the cylinder to retract until the stuck log contacts the stripper plates. Continue to retract the cylinder until the log is dislodged from the wedge.



CAUTION

Do not use the unit if the stripper plates are bent or damaged. Bent or damaged stripper plates must be repaired or replaced before use.

OPERATION POSITIONS

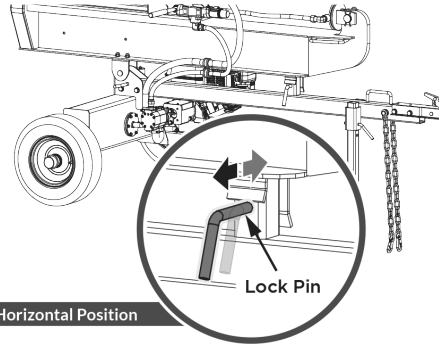
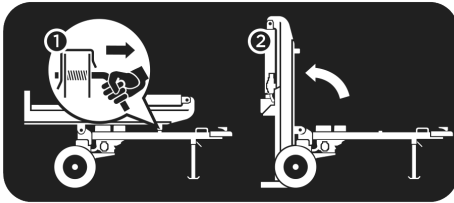


WARNING

DO NOT change the splitting positions with the engine running. You may contact the muffler and receive serious injury.

HORIZONTAL POSITION

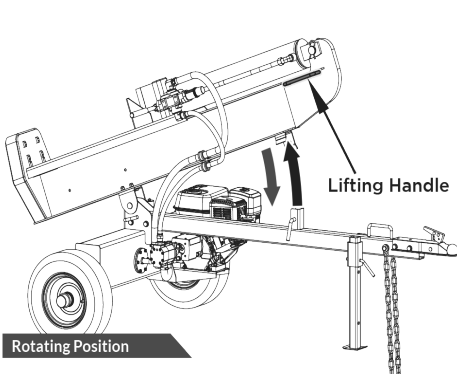
When the splitter is setup to operate in the horizontal splitting position, a log is placed on the horizontal beam and the wedge moves horizontally into the end of the log to split it.



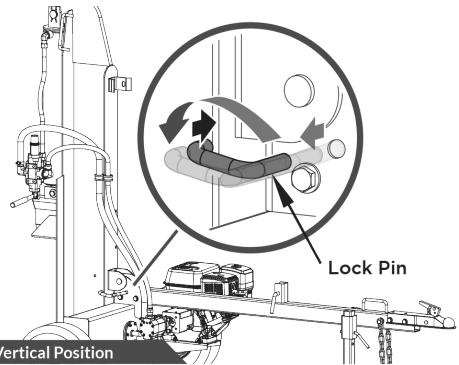
Horizontal Position

VERTICAL POSITION

When the splitter is setup to operate in the vertical splitting position, the log is placed upright on its end, and the wedge moves down into the top of the log to split it.




Rotating Position



Vertical Position

TRANSPORTING

 WARNING	<p>The log splitter is heavy. It can crush and cause serious injury if it rolls out of control or tips over.</p> <p>Make sure the log splitter engine is off. Never move the log splitter with its engine running.</p> <p>Never allow anyone to sit or ride on the log splitter.</p> <p>Never transport cargo or wood on the log splitter.</p> <p>Drive slowly and take extra caution when traveling over rough terrain.</p>
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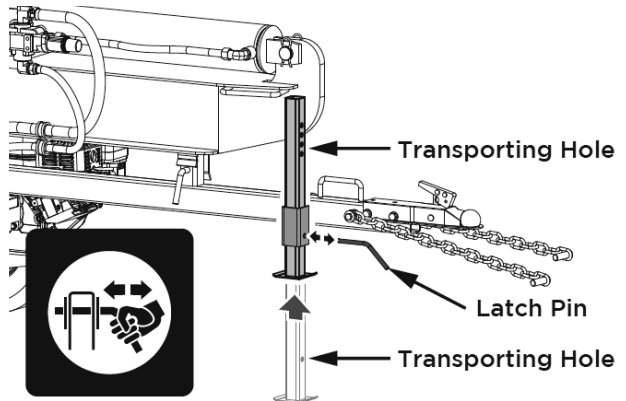
Follow the instructions below for safely moving the log splitter. Ensure the engine is switched off, fuel valve is in off position and the spark plug lead is disconnected to prevent accidental starting.

MOVING MANUALLY


1. Make sure the log splitter is locked in the horizontal position with latch rod before moving
2. Turn the fuel shut-off valve to the OFF position. This prevents carburetor flooding and reduces the chance of fuel leakage. Refer to the engine manual for fuel valve location.
3. Lock the support leg with jockey wheel in the DOWN position before you move the log splitter.
4. Move the log splitter by hand to desired work site. Ask for assistance from a trained adult if needed.

MOVING BY TOWING

1. Check the tires to ensure they are fully inflated to 30 PSI for proper functionality.
2. Make sure hitch is in good working order.
3. Check safety chains. Two safety chains must be used while towing. Cross safety chains under the coupler, allowing only enough slack for vehicle turns.
4. Pull out the lock lever and put the support leg in the UP position, then release the lever and make sure the leg is secured.
5. Do not exceed 70km/hour. Be aware of the added length of the splitter.
6. Lock the support leg in the DOWN position and disconnect from vehicle.



MAINTENANCE AND STORAGE

 WARNING	<p>Improper maintenance and storage of the log splitter may void your warranty.</p> <p>To prevent accidental starting that could cause serious personal injury, always switch off the engine and disconnect the spark plug wire/lead before maintenance or storage.</p>
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MAINTENANCE

Inspect and maintain the log splitter before each use. If the log splitter has been used previously, it must be inspected and maintained before each subsequent use

- Always shut off the engine and relieve system pressure before inspecting, cleaning, adjusting, or repairing the splitter. Relieve system pressure by moving the split control lever back and forth several times.
- Remove debris from the engine, muffler, and moving parts. Debris on a hot engine can be a fire hazard. Clean debris and chaff from the engine cylinder head, cylinder head fins, blower housing rotating screen, and muffler areas.
- Never spray the engine or log splitter with a pressure washer. Water can contaminate the fuel system and can enter the engine and damage the engine.
- After performing any maintenance, make sure all guards, shields and safety features are put back in place before operating the log splitter.
- Before operating make sure the tires have the RECOMMENDED TIRE PRESSURE.
- Regularly grease axle and wheel bearing area or when needed.
- After the wheel bearings have been greased make sure the axle nuts and pins are in place and secure.
- Periodically check all fasteners and hoses for tightness and leaks.
- Annually clean and lightly lubricate all moving parts or when needed.
- Use a glossy enamel spray paint to touch up scratched or worn painted metal surfaces.
- Never exceed load capacity rating of 33 tons it will damage the log splitter.

WHAT	WHEN	HOW
Hoses	Each Use	Inspect hoses for exposed wire mesh and leaks. Replace all worn or damaged hoses before starting the engine.
Hydraulic Fittings	Each Use	Inspect fittings for cracks and leaks. Replace all damaged fittings before starting the engine.
Nuts and Bolts	Each Use	Check for loose bolts, tighten before operating.
Beam	Each Use	Apply grease to beam surface.
Moving Parts	Each Use	Clear debris from log splitter.

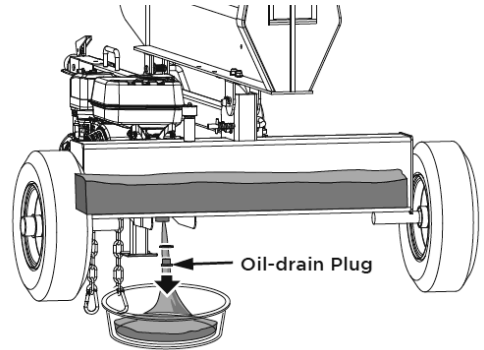
IMPORTANT

If a part needs replacement, only use parts that meet the manufacturer's specifications. Replacement parts that do not meet specifications may result in a safety hazard or poor operations.

OIL DRAINING

Use a drain pan to aid in the removal of all used oil and particles.

- Remove oil drain plug to drain oil from the hydraulic transmission system. Examine oil for metal chips as a precaution to future problems.
- After oil has been completely drained from the machine, reinstall drain plug.



STORAGE



WARNING

Always drain fuel from the tank in an outdoor, well-ventilated area. Stay away from sources of heat, flame, or sparks while handling fuel. Clean up fuel spills immediately.

Follow the instructions below for storing your log splitter between uses.

- Before storing make sure the log splitter is clean and dry for years of trouble free service.
- Allow the machine to cool 5 minutes before storing.
- Retract the wedge completely to keep the rod protected from corrosion.
- Clear the debris from the beam, wedge, and end plate. Use a damp cloth to clear exterior surfaces of the engine and log splitter. Use a soft bristle brush to remove excess dirt and oil. Use an air compressor (25 PSI) to clear dirt and small debris.
- Wipe the beam, wedge, and all metal parts with an oil rag to prevent corrosion.
- Store the log splitter in a location away from corrosive materials, sources of heat, open flames, sparks, or pilot lights.
- Refer to the engine manual for proper engine storage instructions.



WARNING

Improper maintenance and storage of the log splitter may void your warranty.

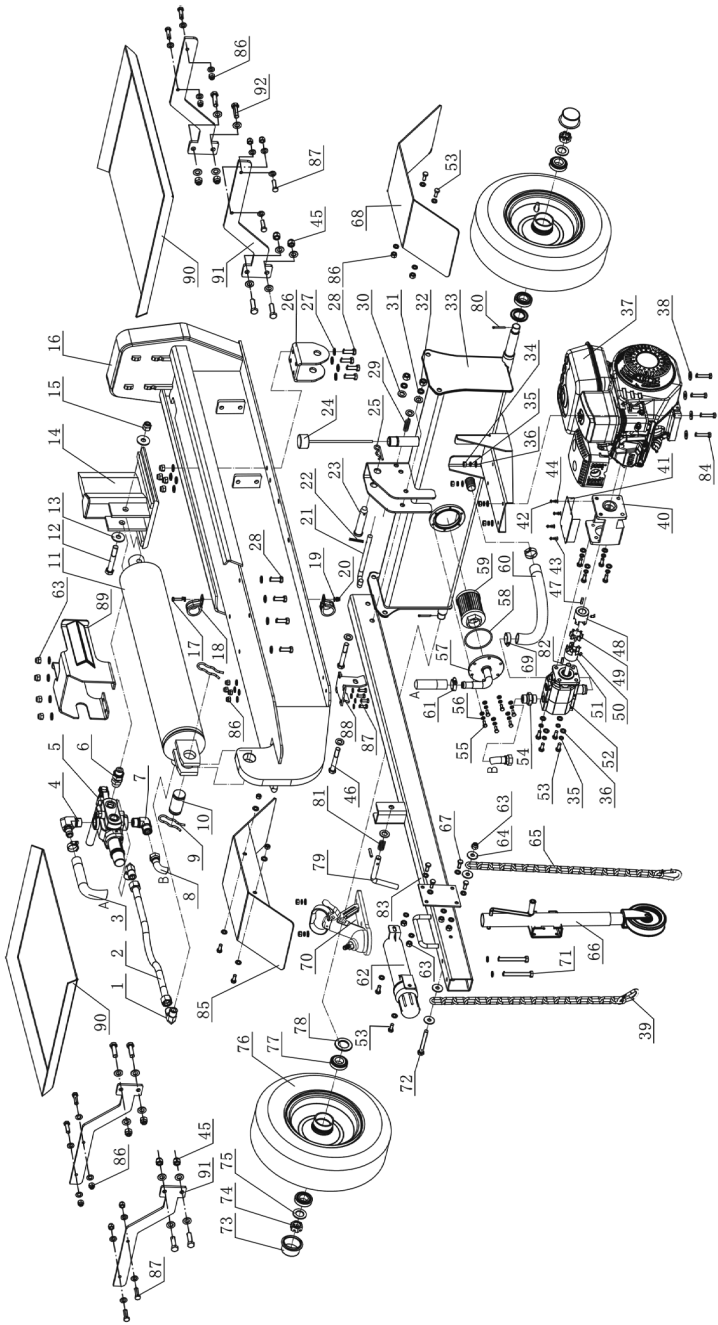
TROUBLESHOOTING GUIDE

ISSUE	POSSIBLE CAUSES	CORRECTIVE ACTION
Wedge movement is slow or erratic	<ol style="list-style-type: none"> 1. Air in the hydraulic oil system 2. Debris lodged in beam guides 3. Low hydraulic oil 	<ol style="list-style-type: none"> 1. Purge air by extending and retracting the wedge several times until motion is smooth 2. Clear debris from beam 3. Check oil level and add as needed
Oil leak from cylinder	<ol style="list-style-type: none"> 1. Faulty cylinder rod seal 2. Scored or bent cylinder rod 3. Loose hydraulic fitting 4. Faulty combination washer seal on cylinder hydraulic fitting 	<ol style="list-style-type: none"> 1. Contact customer service 2. Contact customer service 3. Tighten hydraulic fitting 4. Contact customer service
Oil leak from hose connection	Loose hose clamp or hydraulic fitting	Tighten hose clamp or hydraulic fitting
Wedge will not extend or retract	<ol style="list-style-type: none"> 1. Faulty control valve 2. Faulty hydraulic pump 3. Low hydraulic oil 	<ol style="list-style-type: none"> 1. Contact customer service 2. Contact customer service 3. Check oil level and add as needed
Wedge does not auto-return	<ol style="list-style-type: none"> 1. Low hydraulic oil 2. Faulty control valve 	<ol style="list-style-type: none"> 1. Check oil level and add as needed 2. Contact customer service
Excessive bouncing while towing	Underinflated	Inflate tires to proper pressure
Control valve handle does not return to neutral when released from forward position	<ol style="list-style-type: none"> 1. Hydraulic oil too cold 2. Hydraulic oil too thick 3. Hydraulic oil contaminated 4. Faulty control valve 	<ol style="list-style-type: none"> 1. Warm up engine 2. Replace hydraulic fluid 3. Replace hydraulic fluid 4. Contact customer service
Engine will not start	<ol style="list-style-type: none"> 1. Engine switch in OFF position 2. Fuel shut-off valve in OFF position 3. Fuel tank empty 4. Spark plug disconnected 5. Faulty spark plug 6. Choke lever in wrong position 7. Faulty engine 	<ol style="list-style-type: none"> 1. Move switch to ON position 2. Move valve to ON position 3. Fill fuel tank with fuel 4. Connect spark plug 5. Replace spark plug 6. Adjust choke lever position 7. Contact customer service

MAINTENANCE LOG

MAINTENANCE LOG				
<p>Your LOG DOG Log Splitter is protected by a 1 year limited warranty that covers the product for normal use. The warranty statement is found on the back of this Manual. You must understand that negligence or misuse is not covered in the warranty and failure to properly maintain and service the log splitter can void your warranty. Please keep records of your service, maintenance and repair history to ensure the product has all the required information to action your warranty if so required.</p>				
No	Date	Hours of Operation	Action	Comments
DOP	Please note the date and store of purchase. Keep your receipt. Log Dog Batch Number or Serial Number:			
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
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11				
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18				

PARTS DRAWING - LD35T



PARTS LIST - LD30T

DIA. NO.	DESCRIPTION	Qty	DIA. NO.	DESCRIPTION	Qty	DIA. NO.	DESCRIPTION	Qty
1	Right-Angle Fitting 1/2"	2	32	Nut M12	4	62	Manual Tube	1
2	Welded Hose	1	33	Tank Assembly	1	63	Nut M10	9
3	Low Pressure Return Hose	1	34	Nut M8	4	64	Flat Washer 10	4
4	Right-Angle Fitting 1	1	35	Spring Washer 8	8	65	Safety Chain	2
5	Control Valve	1	36	Washer 8	34	66	Jockey Wheel Stand	1
6	Valve Straight Fitting 1/2"	1	37	Engine	1	67	Bolt M10X25	4
7	Right-Angle Fitting 1	1	38	Washer8 Gb/T96	4	68	Wheel Fender, Right	1
8	High Pressure Supply Hose	1	39	Safety Clasp	2	69	Clamp 25-38	2
9	Bridge Pin	2	40	Pump Bracket	1	70	50 Mm Australia Style Hitch	1
10	Pin	1	41	Cover Of Pump Bracket	1	71	Bolt M12X100	2
11	Cylinder	1	42	Screw M4X8	4	72	Bolt M10X85	1
12	Bolt M14X85	1	43	Spring Washer 4	4	73	Wheel Cap	2
13	Washer 14	3	44	Washer 4	4	74	Axle Nut M22	2
14	Wedge	1	45	Bolt 5/16-24Unf	4	75	Wheel Washer 22	2
15	Lock Nut M14	1	46	Bolt M12X85	2	76	Wheel	2
16	Beam Weldment	1	47	Key 3/16X30	1	77	Roller Bearing	4
17	Bolt M6X20	1	48	Gear Pump Connector Right	1	78	Anti-Dust Washer	2
18	Hose Clamp	2	49	Elastic Spider Block	1	79	Latch Pin 1	1
19	Washer 6	7	50	Bolt M6X8	4	80	Cotter Pin 4X50	2
20	Lock Nut M6	1	51	Gear Pump Connector Left	1	81	Spring 2	1
21	Lock Pin	1	52	Gear Pump	1	82	Key 3X25	1
22	Pin 6X40	2	53	Bolt M8X20	10	83	Tow Bar	1
23	Beam Pivot Pin	1	54	Outlet Connector Of Pump	1	84	Bolt M8X40	6
24	Dipstick	1	55	Bolt M6X16	6	85	Wheel Fender, Left	1
25	Bridge Pin	1	56	Washer 6	6	86	Lock Nut M8	8
26	Pivot Bracket	1	57	Flange Of Filter	1	87	Bolt M8X25	12
27	Washer 10	16	58	O-Ring D81*3.1	1	88	Beam Lock Bracket	1
28	Bolt M10X30	8	59	Return Oil Filter	1	89	Wedge Guard	1
29	Spring 1	1	60	Suction Hose	1	90	Work Table	1
30	Flat Washer 12	16	61	Clamp 18-32	2	91	Work Table Bracket	2
30	Brake Spring	1	60	Tooth Washer	2	92	Bolt M12X35	4
31	Spring Washer 12	4	61	Clamp 18-32	11			

PARTS LIST - LD35T

DIA. NO.	DESCRIPTION	Qty	DIA. NO.	DESCRIPTION	Qty	DIA. NO.	DESCRIPTION	Qty
1	Right-Angle Fitting 1/2"	2	33	Tank Assembly	1	65	Safety Chain	2
2	Welded Hose	1	34	Nut M8	4	66	Jockey Wheel Stand	1
3	Low Pressure Return Hose	1	35	Spring Washer 8	8	67	Bolt M10X25	4
4	Right-Angle Fitting 1	1	36	Washer 8	42	68	Wheel Fender, Right	1
5	Control Valve	1	37	Engine	1	69	Clamp 25-38	2
6	Valve Straight Fitting 1/2"	1	38	Washer8 Gb/T96	4	70	50 Mm Australia Style Hitch	1
7	Right-Angle Fitting 1	1	39	Safety Clasp	2	71	Bolt M12X100	2
8	High Pressure Supply Hose	1	40	Pump Bracket	1	72	Bolt M10X85	1
9	Bridge Pin	2	41	Cover Of Pump Bracket	1	73	Wheel Cap	2
10	Pin	1	42	Screw M4X8	4	74	Axle Nut M22	2
11	Cylinder	1	43	Spring Washer 4	4	75	Wheel Washer 22	2
12	Bolt M14X85	1	44	Washer 4	4	76	Wheel	2
13	Washer 14	3	45	Bolt 5/16-24Unf	8	77	Roller Bearing	4
14	Wedge	1	46	Bolt M12X85	2	78	Anti-Dust Washer	2
15	Lock Nut M14	1	47	Key 3/16X30	1	79	Latch Pin 1	1
16	Beam Weldment	1	48	Gear Pump Connector Right	1	80	Cotter Pin 4X50	2
17	Bolt M6X20	1	49	Elastic Spider Block	1	81	Spring 2	1
18	Hose Clamp	2	50	Bolt M6X8	4	82	Key 3X25	1
19	Washer 6	7	51	Gear Pump Connector Left	1	83	Tow Bar	1
20	Lock Nut M6	1	52	Gear Pump	1	84	Bolt M8X40	6
21	Lock Pin	1	53	Bolt M8X20	10	85	Wheel Fender, Left	1
22	Pin 6X40	2	54	Outlet Connector Of Pump	1	86	Lock Nut M8	12
23	Beam Pivot Pin	1	55	Bolt M6X16	6	87	Bolt M8X25	16
24	Dipstick	1	56	Washer 6	6	88	Beam Lock Bracket	1
25	Bridge Pin	1	57	Flange Of Filter	1	89	Wedge Guard	1
26	Pivot Bracket	1	58	O-Ring D81*3.1	1	90	Work Table	2
27	Washer 10	16	59	Return Oil Filter	1	91	Work Table Bracket	4
28	Bolt M10X30	8	60	Suction Hose	1	92	Bolt M12X35	8
29	Spring 1	1	61	Clamp 18-32	2	90	Work Table	1
30	Flat Washer 12	24	62	Manual Tube	1	91	Work Table Bracket	2
31	Spring Washer 12	4	63	Nut M10	9	92	Bolt M12X35	4
32	Nut M12	4	64	Flat Washer 10	4			

LABELS

⚠ OIL ALERT

When oil level low engine STOPS immediately



⚠ CAUTION

Change engine oil every 50 hours
(first time: after 25 hours)

Add oil before starting

⚠ WARNING

YOU MUST READ OPERATOR'S MANUAL BEFORE USE.

FIRE RISK. DO NOT ADD FUEL WHILE THE ENGINE IS IN OPERATION. ALLOW ENGINE TO COOL BEFORE REFUELLING.

ONLY OPERATE IN A WELL VENTILATED AREA. ENGINE EXHAUST CONTAINS CARBON MONOXIDE. THIS IS A POISON YOU CANNOT SEE OR SMELL.

NEVER USE INSIDE A HOME OR GARAGE, EVEN IF DOORS AND WINDOWS ARE OPEN.

ONLY USE OUTSIDE AND FAR FROM WINDOWS, DOORS AND VENTS.

⚠ CAUTION

ADD OIL

ENGINE SHIPPED WITHOUT LUBRICANT

Add lubricant to full mark before operating. If oil level is low, shut off if sensor detects low lubricant. Read manual before operating engine.

LD307 / LD35T - 600ml OIL



AIR FILTER MAINTENANCE

Clean element every 50 hours, 10 hours under dusty conditions.

Wash in high flash point solvent, squeeze dry, then dip in clean engine oil and squeeze out excess oil.

LOG DOG 30T 7HP 2-WAY LOG SPLITTER

Max splitting force: 30T
Max log length: 610mm
Hydraulic oil capacity: 17L
Hydraulic oil type: ISO22

Engine type: Single cylinder
- 4 stroke air cooled OHV
Engine horse power: 7HP
Displacement cc: 212cc

Fuel type: Regular Ron 91
RPM: 3600 RPM

Batch: _____

Log Dog - 20 Thackray Road
Port Melbourne VIC 3207

Part No: LD30T
Made in China

LOG DOG 35T 7HP 2-WAY LOG SPLITTER

Max splitting force: 35T
Max log length: 610mm
Hydraulic oil capacity: 18L
Hydraulic oil type: ISO22

Engine type: Single cylinder
- 4 stroke air cooled OHV
Engine horse power: 7HP
Displacement cc: 212cc

Fuel type: Regular Ron 91
RPM: 3600 RPM

Batch: _____

Log Dog - 20 Thackray Road
Port Melbourne VIC 3207

Part No: LD35T
Made in China

NOTES

LOG DOG



WARRANTY INFORMATION

This warranty is provided by Total Tools (Importing) Pty Ltd of 20 Thackray Road, Port Melbourne VIC 3207. Phone: 03 9261 1900 (we, us, our).

Express Warranty

Subject to the exclusions set out below, we warrant that this product will be free from defects in materials or workmanship for 12 months from the date of purchase.

The benefits conferred by this warranty are in addition to all rights and remedies which you may be entitled to under the Australian Consumer Law, and any other statutory rights you may have under other applicable laws. This warranty does not exclude, restrict or modify any such rights or remedies.

Warranty exclusions

This express warranty does not apply where a defect or other issue with the product is caused by normal wear and tear, misuse or abuse of the product.

Consumer guarantees

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage.

You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Warranty claims

To make a claim under this warranty, you must bring the product along with the proof of purchase and any other documentary evidence which you think is relevant to the Total Tools' place of purchase where the claim will be handled on our behalf. Any cost incurred by you in bringing the product to the place of purchase will be borne by you.

To make a claim under this warranty, the product and proof of purchase must be returned to the Total Tools place of purchase during the warranty period specified above.

If your warranty claim is accepted, we (or the Total Tools store that handles the claim on our behalf) will, at our discretion, repair or replace the product, or refund money to you and take back the product.