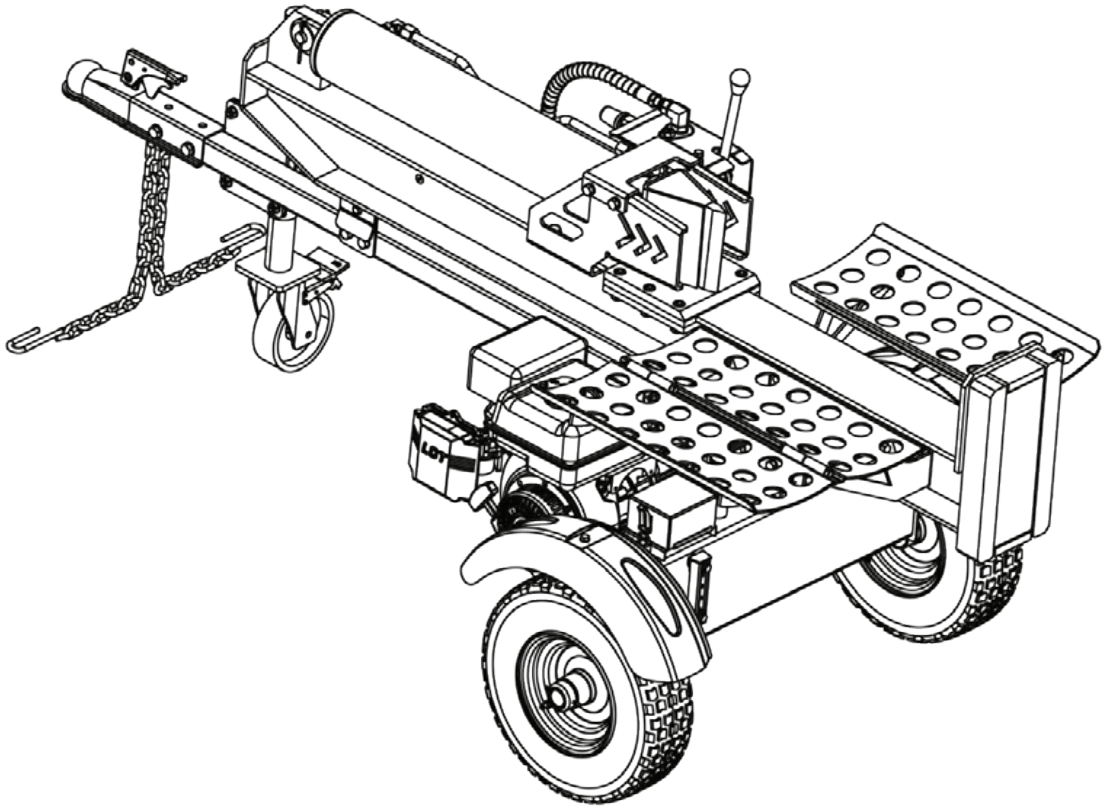
BE AGRI EASE

AG & INDUSTRIAL

HORIZONTAL / VERTICAL PETROL LOG SPLITTER

OWNER'S MANUAL



MODEL NUMBERS

126 LS27HV - 27 TON

126 LS32HV - 32 TON

126 LS40HV - 40 TON

V1.1 2026

Thank you for purchasing a BE AgriEase Log Splitter. It was carefully engineered to provide excellent performance when properly operated and maintained.

Please read this entire manual prior to operating the equipment. It instructs you how to safely and easily set up, operate and maintain your machine. Please be sure that you, and any other persons who will operate the machine, carefully follow the recommended safety practices at all times. Failure to do so could result in personal injury or property damage.

All information in this manual is relative to the most recent product information available at the time of printing. Review this manual frequently to familiarize yourself with the machine, its features and operation. Please be aware that this Operator's Manual may cover a range of product specifications for various models. Characteristics and features discussed and/or illustrated in this manual may not be applicable to all models. We reserve the right to change product specifications, designs and equipment without notice and without incurring obligation.

All the power testing information used to establish the power rating of the engine equipped on this machine can be found at the engine manufacturer's manual or website. If you have any problems or questions concerning the machine, phone an authorized service dealer or contact us directly. Our customer support phone number, website and mailing address can be found on this page. We want to ensure your complete satisfaction at all times.

Throughout this manual, all references to right and left side of the machine are observed from the operating position.The engine manufacturer is responsible for all engine-related issues with regards to performance, power-rating, specifications, warranty and service. Please refer to the engine manufacturer's Owner's/Operator's Manual, packed separately with your machine, for more information.

Read and thoroughly understand all instructions and safety information before assembling or operating this log splitter. Failure to do so may cause serious injury or death. Do not allow familiarity with tools to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

Customer Support

Please do NOT return the machine to the retailer or dealer without first contacting the Customer Support Department.

If you have difficulty assembling this product or have any questions regarding the controls, operation, or maintenance of this machine, you can seek help from the experts. Choose from the options below:

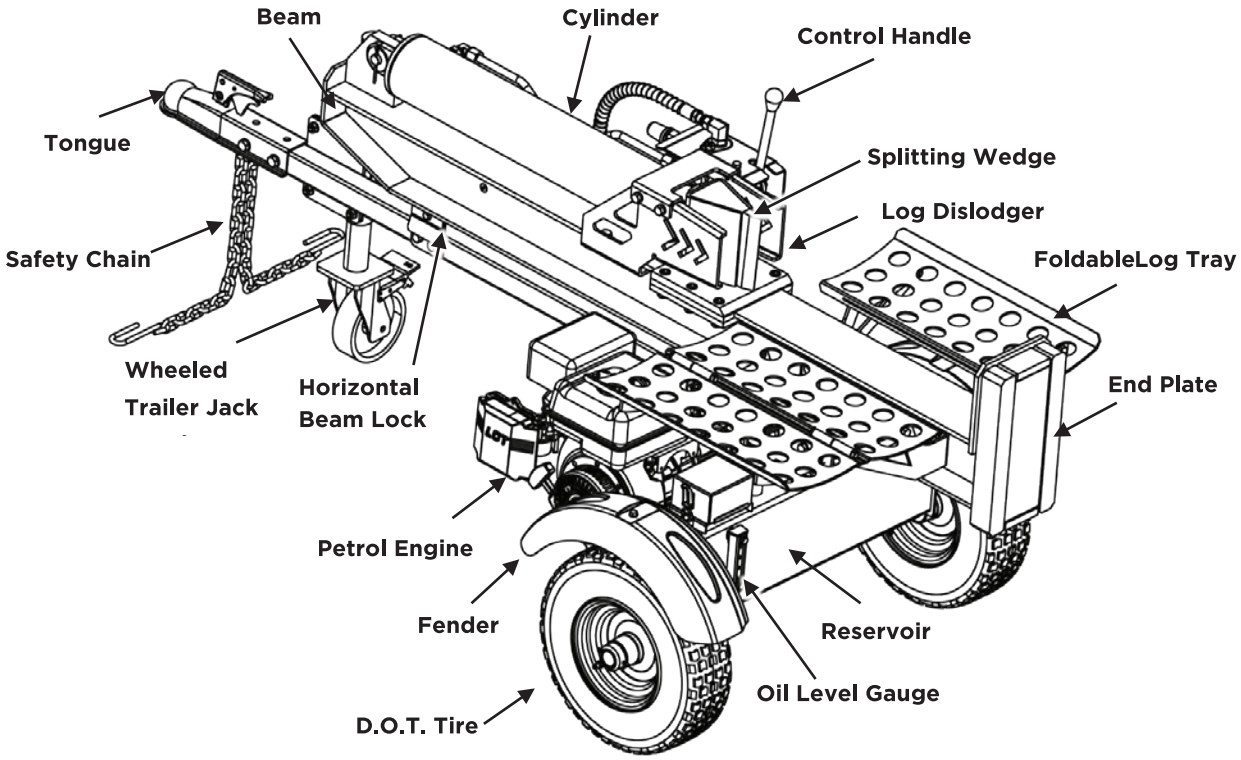
For Australia:
Website - www.bargroup.au
Phone - 02 4577 2144
Email - sales@bargroup.com.au

For New Zealand:
Website - www.bep.kiwi
Phone - 07 849 0000
Email - sales@bepressure.co.nz

TABLE OF CONTENTS

LOG SPLITTER OVERVIEW

FIGURE 1



DANGER! This machine was built to be operated according to the safe operation practices 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 debris. Failure to observe the following safety instructions could result in serious injury or death.

The following signal words and meanings are intended to explain the levels of risk associated with this product.

DANGER DANGER indicates a hazardous situation which, if not followed, 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.

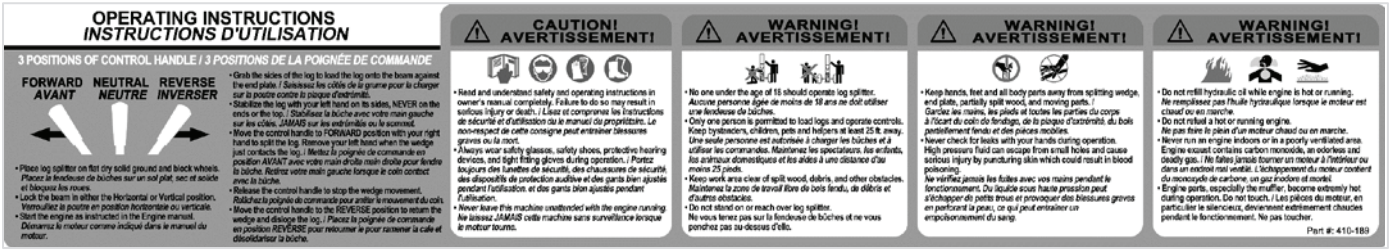
NOTICE NOTICE is important information about the proper use of your machine. Failure to follow this instruction could result in damage to your machine.

SAFETY DECALS

Make sure that all safety warning decals are in good condition and readable. Always replace missing or defaced decals.

Contact your local dealer for replacement decals.

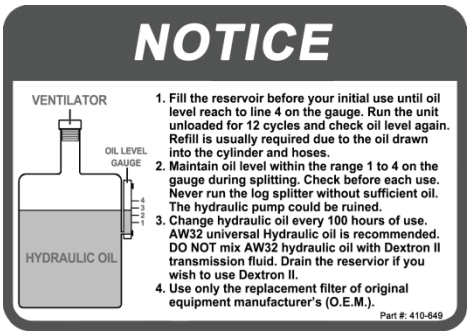
1. Safety Warning / Operating Label (Part #: 410-189)



2. Pinch Point Warning Label (Part #: 410-234, 410-237)

3. Towing Safety Label (Part #: 410-250)

4. Oil Label (Part #: 410-649)



5. Spec. Label

27 TON LOG SPLITTER	32 TON LOG SPLITTER	40 TON LOG SPLITTER
Model NO.: 126 LS27HV	Model NO.: 126 LS32HV	Model NO.: 126 LS40HV
Max. splitting force: 27 Ton	Max. splitting force: 32 Ton	Max. splitting force: 40 Ton
Max. splitting length: 640mm	Max. splitting length: 640mm	Max. splitting length: 640mm
Max. splitting diameter: 360mm	Max. splitting diameter: 360mm	Max. splitting diameter: 400mm
Net weight:202kg	Net weight:211kg	Net weight:225kg
Serial NO.:	Serial NO.:	Serial NO.:
Meets ANSI B71.7-1985 Safety Standard	Meets ANSI B71.7-1985 Safety Standard	Meets ANSI B71.7-1985 Safety Standard
MADE IN CHINA	MADE IN CHINA	MADE IN CHINA

This page depicts and describes safety symbols that may appear on this product. Read, understand, and follow all instructions on the machine before attempting to assemble and operate.

SYMBOL	DESCRIPTION
	READ THE OPERATOR'S MANUAL(S) Read, understand, and follow all instructions in the manual(s) before attempting to assemble and operate.
	FACE PROTECTION Always wear safety goggles or safety glasses with side shields, or a face shield when operating this product as well as ear protection.
	WARNING— MOVING WEDGE Keep hands away from wedge, moving part, end plate, and partially split wood.
	BYSTANDERS Keep bystanders, helpers and children at least 25 feet away.
	SINGLE OPERATOR Only one person should operate the machine at a time. The adult who loads and stabilizes the log must be the person who operates control handle.
	WARNING— PRESSURIZED FLUID Never check for hose leaks with your hands. High pressure fluid can escape through a pin hole leak and cause serious injury by puncturing the skin and causing blood poisoning.
	WEAR GLOVES Always wear nonslip, heavy-duty protective gloves when operating this product.
	WEAR SAFETY FOOTWEAR Always wear nonslip steel-toed safety footwear when operating this product.
	WARNING—PETROL IS FLAMMABLE Allow the engine to cool at least ten minutes before refueling.
	WARNING— CARBON MONOXIDE Never run an engine indoors or in a poorly ventilated area. Engine exhaust contains carbon monoxide, an odorless and deadly gas.
	WARNING— HOT SURFACE Engine parts, especially the muffler, become extremely hot during operation. Allow engine and muffler to cool before touching.

IMPORTANT TIPS

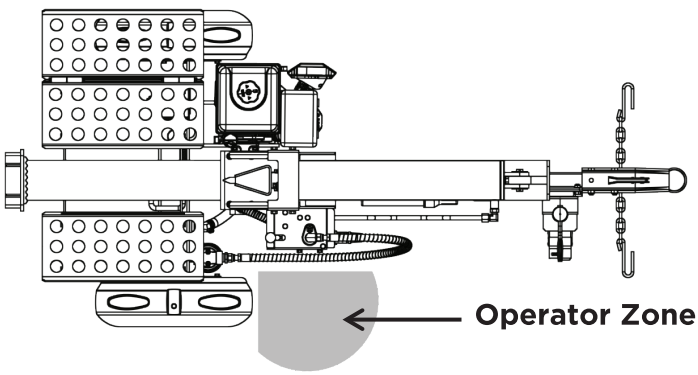
1. DO NOT discard packing materials until you have carefully inspected and satisfactorily operated the tool.
2. Read, understand, and follow all instructions on the machine and in this manual and the engine manual before attempting to assemble and operate. Keep the manuals in a safe place for future and regular reference and for ordering replacement parts.
3. Lubricate the wedge and upper side of the machine body for splitting smoothly. See FIGURE 1
4. Check the hydraulic oil level, engine oil level and fuel before every operation.
5. Sharpen the wedge periodically.
6. DO NOT continue to push on the control handle more than 3 seconds if the wedge can't cut through an oversized or extremely hard log. Force the tool will cause permanent damage and void warranty.
7. Try to split from another end or cut a small piece from the border instead of the center when you fail to cut through an oversized log.
8. Move the control handle to Forward or Backward position gently to operate. Push or pull hard on the control handle lever won't help create more power, but break the handle or damage the internal valve parts and void warranty.
9. DO NOT throw logs on the log trays, which are built to rail or hold split logs. Damages are not covered under warranty.
10. DO NOT expose this machine to rain or use in a damp environment. An optional log splitter cover is recommended.

OPERATOR ZONE

ONLY operate the log splitter from the operator zones as shown below. The operator has the safest and most efficient access to the control valve and the beam in this location. Failure to operate the log splitter in this position can result in serious injury or death. See FIGURE 2 / FIGURE 3

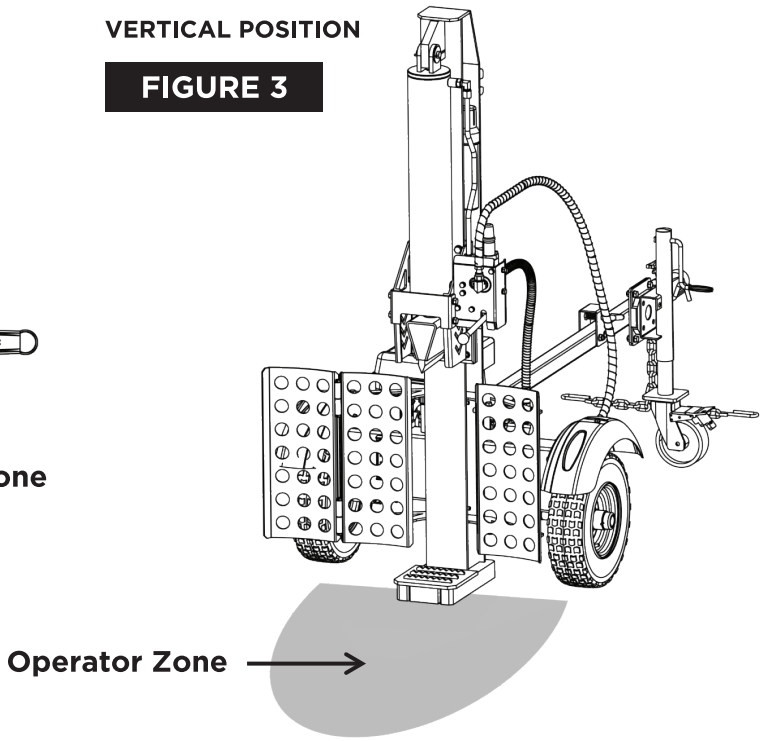
HORIZONTAL POSITION

FIGURE 2



VERTICAL POSITION

FIGURE 3



FIRE PREVENTION

Petrol is a highly flammable liquid and the vapors are explosive. To avoid personal injury or property damage, use extreme care in handling petrol. Always follow these precautions below, and refer to the Engine Manual for more safety instructions.

1. ALWAYS take a Class B fire extinguisher with you when operating this log splitter in dry areas.
2. NEVER operate your log splitter near a flame or spark or smoke during operation. Extinguish all cigarettes, cigars, pipes, and other sources of ignition. Hydraulic oil and petrol are flammable and can explode.
3. When petrol is spilled on yourself or your clothes, wash your skin and change clothes immediately.
4. NEVER refuel the petrol tank while the engine is hot or running. Allow the engine to cool before refueling.
5. ONLY refuel your log splitter in an open clear area with no petrol fumes or spilled petrol. Never fuel the machine indoors.
6. 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.
7. If petrol is spilled out, wipe it off the engine and equipment, and move machine to another area. Wait 5 minutes before starting the engine.
8. ALWAYS replace the petrol cap securely. Never remove petrol cap while the engine is hot or running.
9. To prevent fires, clean debris and chaff from the engine and muffler areas.
10. Allow machine to cool at least ten (10) minutes before storing.
11. 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 petrol appliances.
12. If the engine is equipped with a spark arrestor muffler, clean and inspect it regularly according to manufacturer's instructions. Replace if damaged.

HYDRAULIC SAFETY

1. The hydraulic system of your log splitter requires careful inspection along with the mechanical parts. Be sure to replace frayed, kinked, cracked or otherwise damaged hydraulic hoses or hydraulic components.
2. Hydraulic log splitters develop high fluid pressures during operation. Fluid escaping through a pin hole can penetrate your skin and cause blood poisoning, gangrene, or death. ALWAYS seek professional medical attention immediately if injured by escaping hydraulic fluid.
3. DO NOT check for leaks with your hand. Leaks can be detected by passing a piece of cardboard over the suspected leak and looking for discoloration.
4. ALWAYS be sure to relieve all pressure by shutting off the engine and moving the control handle back to stop position.
5. NEVER remove the ventilator cap from the hydraulic tank or reservoir while the log splitter is running. The tank could contain hot oil under pressure which could result in serious injury.
6. NEVER adjust the hydraulic valve. The pressure relief valve on your log splitter is preset at the factory. Only a qualified service technician should perform this adjustment.

UNPACKING

WARNING! This product has been shipped partially assembled. Use extreme caution unpacking this machine. Some components are very heavy and will require additional people or mechanical lifting tools.

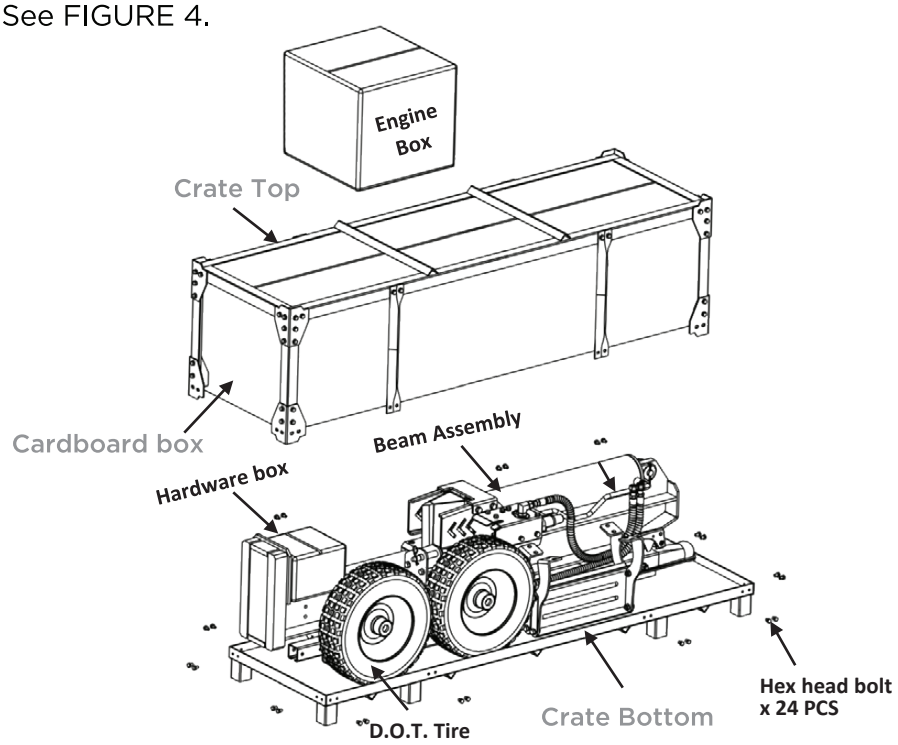
Unpacking tools needed:

1. Wrench 13mm
2. Scissors or knife
3. Pry bar or claw hammer

Step 1: Use scissors or a knife to cut and remove the straps securing the engine box to the crate top.

Step 2: Use a 13mm wrench to remove the bottom bolts securing the crate side frames onto the crate bottom, lift the crate top and the cardboard box up and put them aside together. See FIGURE 4.

FIGURE 4



Step 3: Carefully remove all loose parts included in the container, e.g. wheels, fenders, wheeled trailer jack and hardware box.

Step 4: Use scissors or a knife to cut and remove the straps securing the parts to the beam or tank assembly, including tongue assembly and log tray assemblies, and then put these parts aside for installation.

NOTE: **DO NOT** remove the strap securing the hydraulic hoses to the beam at this time, until you do the procedures to connect the hoses.

Step 5: Use a pry bar or claw hammer to remove the plywood splinters securing the beam and tank assemblies on the crate bottom. Take out the two heavy assemblies.

NOTE: Due to the weight/size of the two assemblies, it's recommended two or more adults to assist lifting and moving them. Lifting tools such as hoist, crane, jack, etc. are also recommended.

Step 6: Inspect if all component assemblies, parts and accessories are included as listed in the Packing List (Page 29). If any parts are damaged or missing, please call your local dealer.

ASSEMBLING

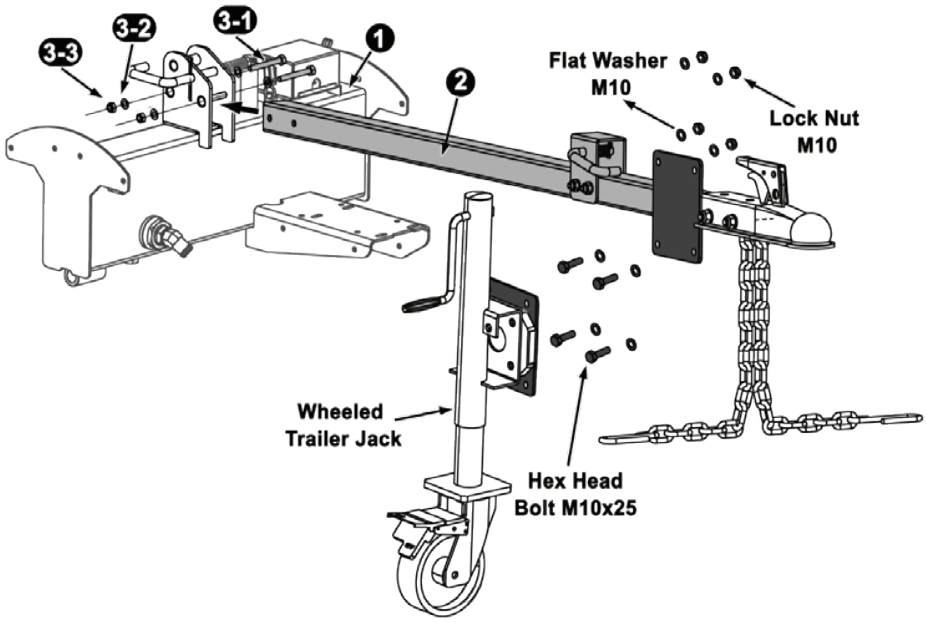
Assembling tools needed:

1. Wrench 13, 14mm two each
2. Wrench 16, 17, 27, 30mm one each
3. Adjustable wrench x 1
4. Thread locking compound x 1
5. Needle nose pliers x 1
6. Flat head screwdriver x 1
7. Phillips head screwdriver x 1

STEP 1: Install the tongue and wheeled trailer jack assembly. See FIGURE 5.

1. Remove the M10 hardware from the beam support bracket on the tank using a 16mm wrench for bolts and a 17mm wrench for the lock nuts. Attach the tongue to the reservoir assembly and screw on the hardware just removed and tighten.
2. Remove the M10 hardware from the wheeled trailer Jack using a 16mm wrench for bolts and a 17mm wrench for the lock nuts. Attach the jack to the tongue assembly and screw on the hardware just removed and tighten.

FIGURE 5

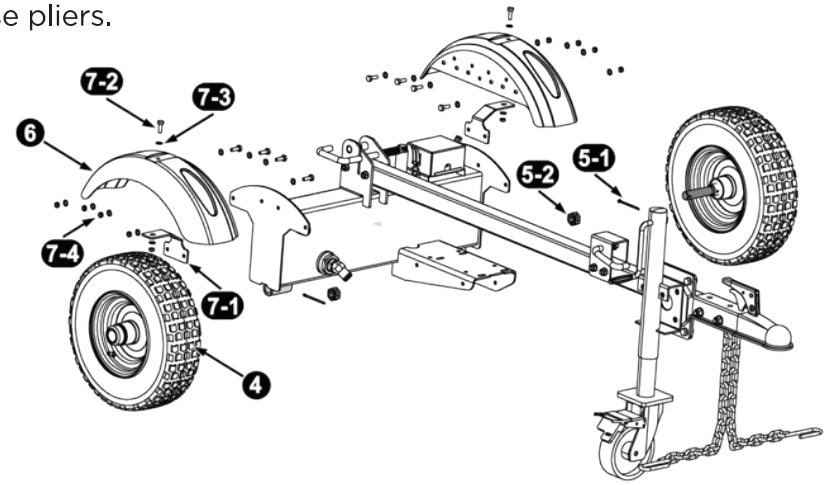


REF NO.	DECSRIPTION	QTY.
1	Reservoir tank assembly	1
2	Tongue & Jack stand assembly	1
3	M10 Hardware on beam support bracket, including:	1
3-1	Hex head bolt / M10 x 75	2
3-2	Flat washer / M10	4
3-3	Lock nut / M10	2

STEP 2: Install the two wheel and fender assemblies. See FIGURE 6

1. Attach the two fenders using the fender supports with the M8 hardware in the hardware kit #1
2. The wheel axels are attached on two wheels at the manufacturer's. Insert the wheel axels through the axle bracket tubes underneath the reservoir.
3. Screw the bore nuts onto the axels and tighten with an adjustable wrench. Align the holes of the nut and the axels.
4. Insert the split pin into the aligned holes axel, and then bend the ends of the pin with needle nose pliers.

FIGURE 6



REF NO.	DECSRIPTION	QTY.
4	D.O.T. Tire / Wheel	2
5	Hardware Kit # 2-1, including:	1
5-1	Bored nut / M22	2
5-2	Split pin / Ø4 x 50	2
6	Fender	2
7	Hardware Kit # 1, including:	1
7-1	Fender support	2
7-2	Hex head bolts / M8 x 20	10
7-3	Flat washer / M8	20
7-4	Lock nut / M8	10

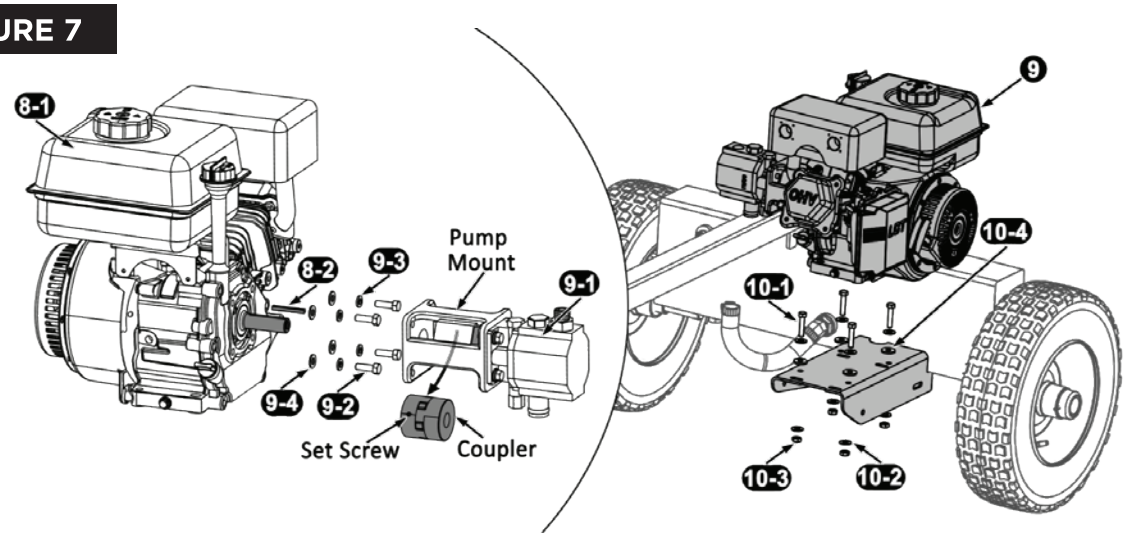
STEP 3: Install the engine / pump assembly. See FIGURE 7.

1. Loosen the set screw on the coupler at the engine side.
2. Place the engine shaft key into the slot on the engine shaft.
3. Insert the engine shaft into the center hole of coupler, pivoting the pump assembly to ensure the engine shaft key to fit in the slot of the coupler center hole. Then tighten the set screw just loosened.
4. Rotate the engine shaft to align the fixing holes on both pump mount and engine, and ensure the open side of the pump mount facing down as shown in the illustration below, then screw on the hardware and tighten.
5. Insert a vibration isolator between the engine and the mount plate at each of the four mounting hole positions.
6. Secure the engine with the M8 hardware, and then tighten using two 13mm wrenches on 25 ton model; or 16mm wrench on bolts, 17mm wrench on lock nuts for 32 / 40 ton model.
7. Connect the engine start battery to the battery box on the tank.

STEP 3: Install the engine/pump assembly. See FIGURE 7.

1. Loosen the set screw on the coupler at the engine side.
2. Place the engine shaft key into the slot on the engine shaft.
3. Insert the engine shaft into the center hole of coupler, pivoting the pump assembly to ensure the engine shaft key to fit in the slot of the coupler center hole. Then tighten the set screw just loosened.
4. Rotate the engine shaft to align the fixing holes on both pump mount and engine, and ensure the open side of the pump mount facing down as shown in the illustration below, then screw on the hardware and tighten.
5. Insert a vibration isolator between the engine and the mount plate at each of the four mounting hole positions.
6. Secure the engine with the M8 hardware, and then tighten using two 13mm wrenches on 25 ton model; or 16mm wrench on bolts, 17mm wrench on lock nuts for 32 / 40 ton model.
7. Connect the engine start battery to the battery box on the tank.

FIGURE 7

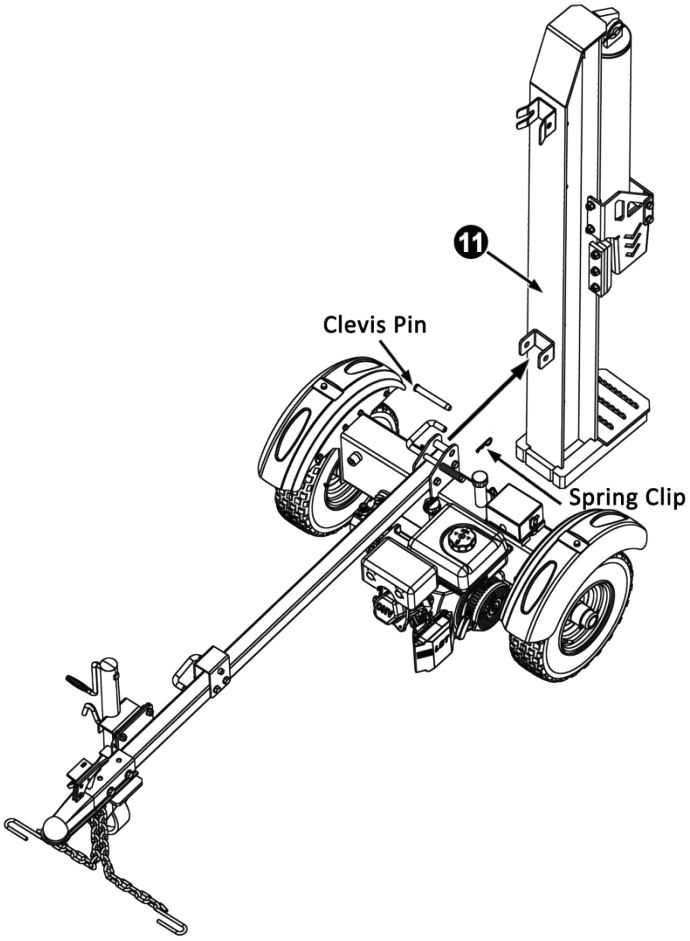


REF NO.	DECSRIPTION		QTY.
8	Engine box, including:		
8-1	Engine (including battery start)		1
8-2	Engine shaft key		1
9	Hardware kit # 4 / Pump assembly, including:		
9-1	Two stage pump		1
	Pump mount		1
	Coupler		1
9-2	Hex head bolt / 5/16-24		4
9-3	Spring washer / 5/16		4
9-4	Flat washer / M8		4
10	Hardware kit # 5-1 (27 / 32T)	or # 5-2 (40T), including:	1
10-1	Hex head bolt / M8 x 40 (27 / 32T)	or M10 x 40 (40T)	4
10-2	Flat washer / M8 (27 / 32T)	or M10 (40T)	8
10-3	Lock nut / M8 (27 / 32T)	or M10 (40T)	4
10-4	Vibration isolator / Ø9 (27 / 32T)	or Ø11 (40T)	4
//	O Seal ring / Ø15*1.9		2

STEP 4: Install the beam assembly. See FIGURE 8.

1. Stand the beam upright on a flat level. Two or more people are recommended to assist with raising and lowering the beam as it is very heavy. Have a helper support the beam as you perform the following steps. Be sure to keep hands away from any possible pinch points.
2. Remove the clevis pin and spring clip from the beam support bracket on the tank. Position the tongue / tank assembly so that the beam support bracket is in between the two tabs on the beam.
3. Slide the clevis pin through the aligned holes and secure with the spring clip. You may need another helper to lift up the tongue for the holes to align.
4. Lock the beam in the vertical position for continual assembling steps. Please refer to Page 13-14 about how to lock the beam in vertical position.

FIGURE 8



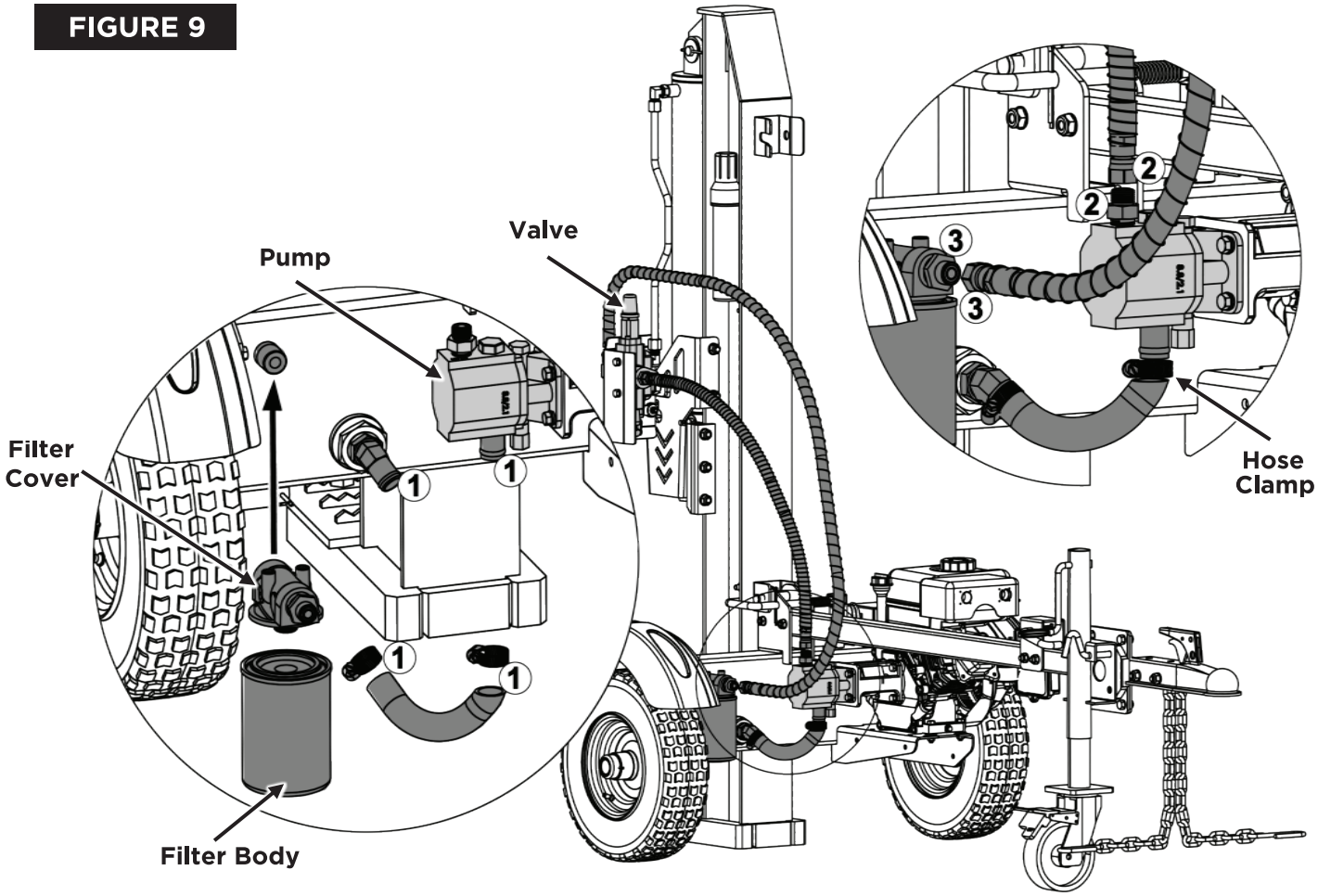
REF NO.	DECSRIPTION	QTY.
11	Beam assembly	1

STEP 5: Attach the return line filter and hoses. See FIGURE 9.

1. Screw the filter cover onto the thread base on the reservoir tank, and then screw the filter body onto the filter cover, using Typhon tape to seal.
2. Oil suction hose Ø24, is included in the hardware kit box, labeled as ①
   Loosen the hose clamps on both ends using a flat head screwdriver, take out the red hose plug in the port at the bottom of the pump, and then connect one end of the hose to the pump bottom por, the other end to the lower adapter of the inlet filter on the reservoir. Tighten the hose clamps.
3. Pump / Valve connecting hose 1/2" labeled as ②, comes from the bottom of the valve on the beam assembly.
   Take out the red hose plug in the open end of this hose. Screw it onto the adapter on top of the pump, which is also labeled as ②. Tighten using a 27mm wrench or an adjustable wrench.
3. The oil return hose 1/2" labeled as ③ comes from the top of the valve on the beam assembly.
   Take out the red hose plug in the open end of this hose, put an O-ring Ø15*1.9 in your hardware kit # 5-1 or 5-2 (See page 9) inside the hose fitting slot and screw it onto the return line filter cover just installed, which is also labeled as ③. Tighten the hose using a 27mm wrench or an adjustable wrench.

NOTE: Make sure to take out all three red hose plugs referred above before connecting the hoses. Use a rag or container underneath to allow the oil in the hoses dripping during installation.

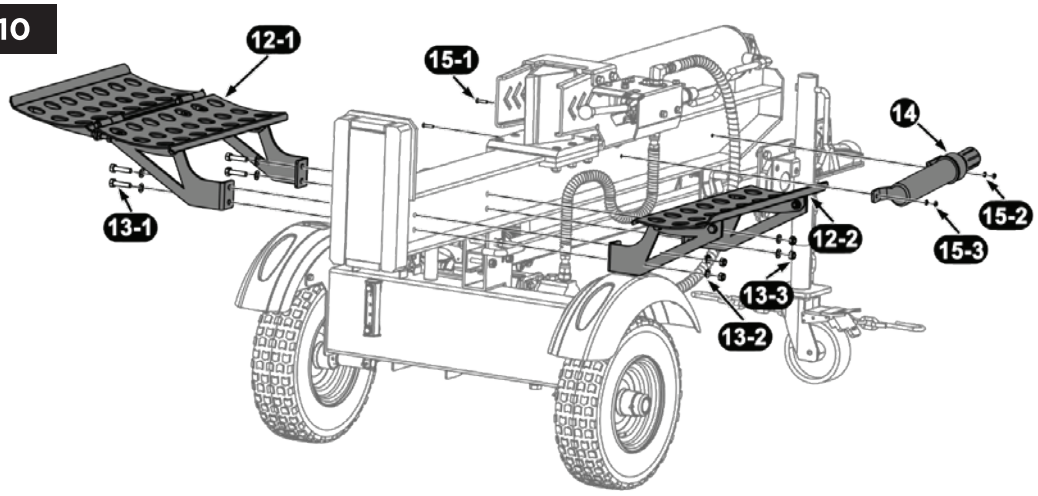
FIGURE 9



STEP 6: Install the log tray assemblies and the instruction manual container to the beam. See FIGURE 10.

1. Lower the beam to horizontal position. Please refer to "Beam Operating Positions" section in Page 13.
2. Position the log tray frames onto the beam as shown below and secures with the M10 hardware loosely.
3. Tighten the M10 hardware using a 16mm wrench on the bolts, and a 17mm wrench on the lock nuts.
4. Attach the manual container to the beam with the M8 hardware using 3mm wrenches, and store the instruction manual in the manual container for future reference.

FIGURE 10



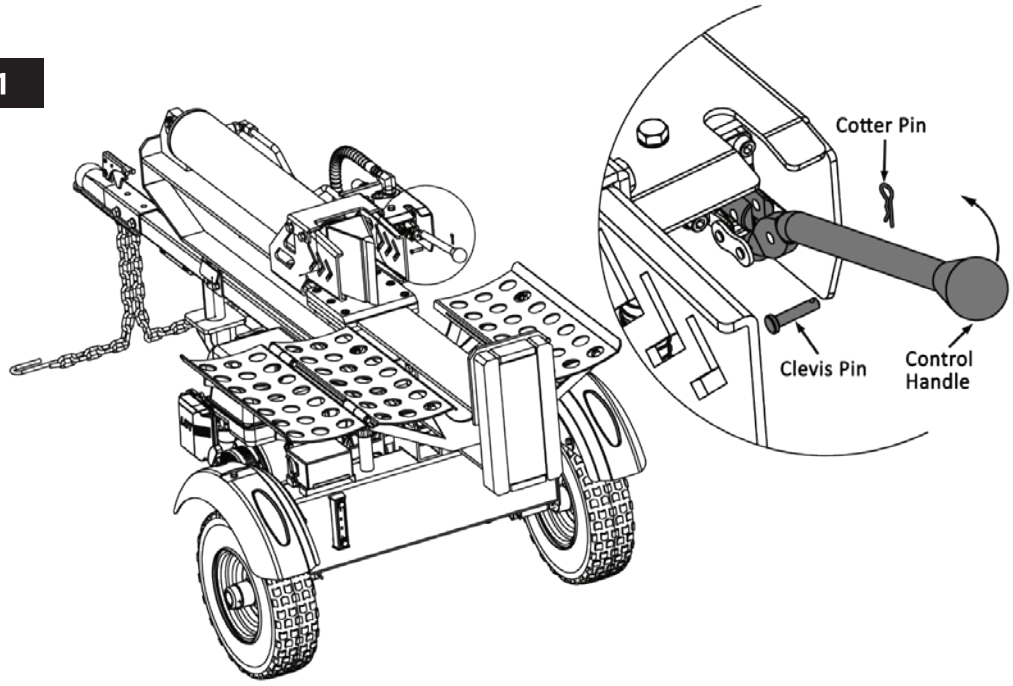
REF NO.	DECSRIPTION	QTY.
12-1	Log tray assembly w/ foldable extension	1
12-2	Log tray assembly, Left	1
13	Hardware Kit # 6-1, including:	1
13-1	Hex head bolt / M10 x 45	4
13-2	Flat washer / M10	8
13-3	Lock nut / M10	4
14	Manual Container	1
15	Hardware Kit # 6-2, including:	1
15-1	Hex head bolt / M8 x 25	2
15-2	Flat washer / M8	2
15-3	Lock nut / M8	2

STEP 7: Assemble the control handle. See FIGURE 11 (next page).
The control handle is shipped hanging from the valve on the handle link.

1. Remove the clevis pin and bow-tie cotter pin from the valve.
2. Rotate the control handle up into the operating position and secure with the clevis pin and cotter pin just removed.

STEP 8: Engine oil and Petrol fill-up.
Your log splitter may be shipped without engine oil. You MUST check the engine oil level before initial operating. Refer to the engine manufacturer's instruction manual to fill the engine oil and petrol.

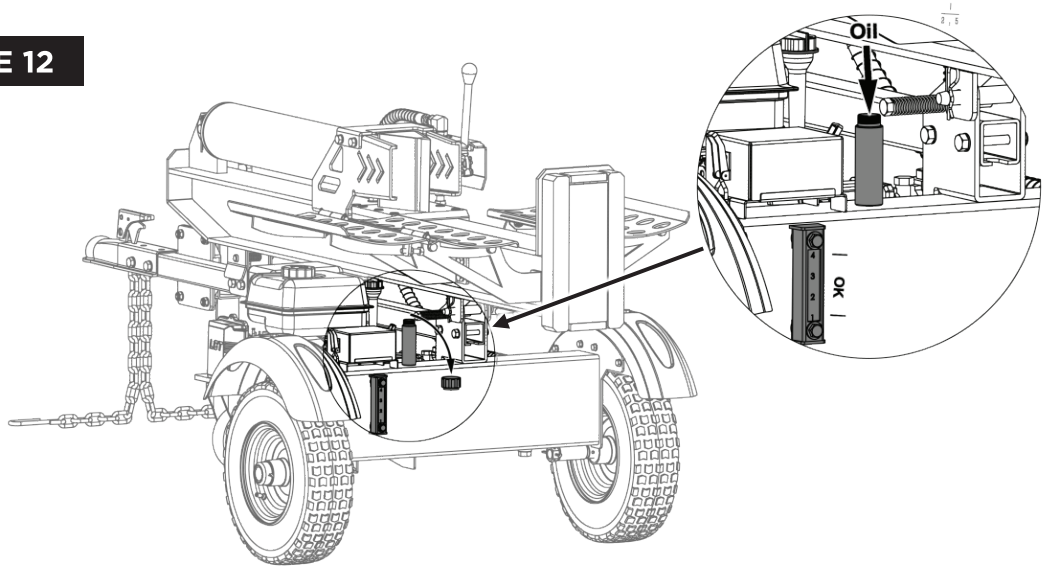
FIGURE 11



STEP 9: Fill hydraulic oil. See FIGURE 12.

1. The log splitter is shipped with hydraulic fluid in an oil barrel. You must fill the reservoir before your initial use. The reservoir tank has a capacity of 3.5 gallons of hydraulic fluid for 27 ton; and 5.5 gallons for 32 / 40 ton log splitter. While you may need more hydraulic fluid than the tank capacity, because a lot of oil will be drawn into hydraulic cylinder, valve, pump and hoses.
2. Pull down the ventilator from the oil adding port. Slowly fill the reservoir until the oil level reaches the line 4 on the oil level gauge.

FIGURE 12



3. Start the engine and use the control handle to engage the wedge to the farthest extended position and then retract fully. Repeat this operation for no less than 12 cycles to repel the air trapped in the hydraulic system. Much of the fluid will be drawn into the cylinder and hoses. Stop the engine, and check the oil level as instructed below.

NOTE: Maintain the oil level within the line 1 to 4 on the level gauge. If not, refill the reservoir to prevent damage to the hydraulic pump. DO NOT overfill. Some fluid may overflow from the ventilator as the system builds heat and the fluid expands and seeks a balanced level. Place a container underneath the tank to collect the spilled oil.

5. However, you MUST check the fluid level before each operating. If not filled, proceed with above steps.

GETTING PREPARED

- Wear safety gear such as goggles or safety glasses, steel toed shoes and tight fitting gloves (without loose cuffs or draw strings), a protective hearing device and suitable work clothing. NEVER wear loose clothing or jewelry that can be caught by moving parts of the log splitter.
- Place the log splitter on flat, dry, solid ground in an open area.
- Lubricate the beam area (where the splitting wedge will slide) with engine oil. Do not use grease. See FIGURE 1.
- Block both wheels to prevent your log splitter from moving during operation.
- Place the beam in either the horizontal or vertical position and lock into place.

1. To place the beam in the Vertical Position proceeds as follows:
   1) Pull the horizontal beam lock lever out and rotate it downward, so it rests against the side of the lock and remains unlocked. See FIGURE 13.
   2) Use both your hands to lift up the beam, and flip it over to the vertical position, then rotate the horizontal lock lever back up the tongue to release the lock.
   3) To lock the beam in the vertical position, pull out the vertical beam lock and rotate it up to secure with the beam. See Figure 14.

2. To place the beam in the Horizontal Position proceeds as follows:
   1) Pivot the beam to the horizontal position.
   2) The horizontal beam lock is self-locking. The spring loaded lock will snap into place when the beam is lowered into position.

FIGURE 13

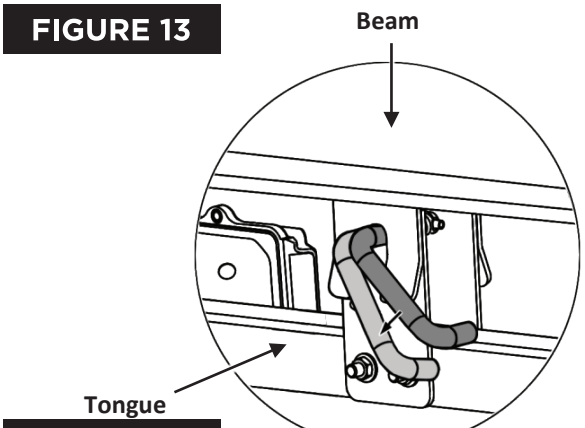
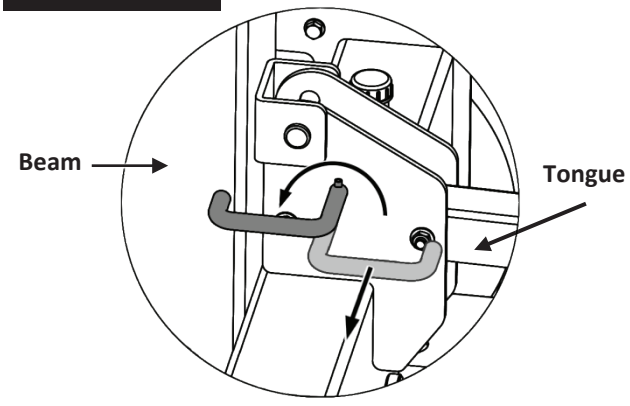


FIGURE 14

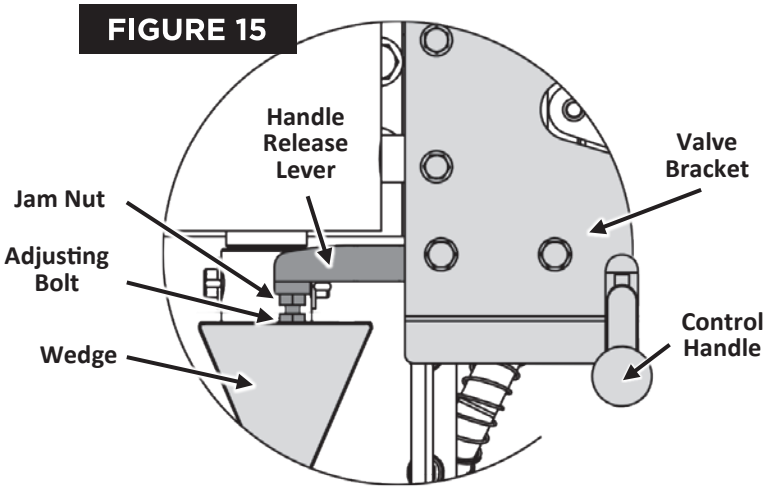


- Check all nuts, bolts and hydraulic fittings are tight to be sure the equipment is in a safe working condition.
- Adjust handle release lever. Your log splitter is equipped with an external pressure release system which is attached under the valve bracket. When you set up the machine and try it, you will see the back of the wedge hits the handle release lever when the wedge is fully retracted. The control handle is then kicked back from reverse position to the neutral position automatically.

  To adjust the handle release lever if the control lever does not automatically kick into the neutral position when the wedge is fully retracted. See Figure 15

  1. Loosen the Jam nut using a 14mm wrench.
  2. Screw the adjusting nut counter clockwise to allow it contact with the wedge as soon as the wedge is fully retracted.
  3. Tighten the jam nut after adjusting.

FIGURE 15



- Both ends of the log should be cut as square as possible to help prevent the log from riding out during operation.
- ALWAYS check the hydraulic oil level, engine oil level and petrol before you start the log splitter.
- ALWAYS check the machine with no frayed, kinked, cracked, or damaged hoses, fittings, or tubing before operation.

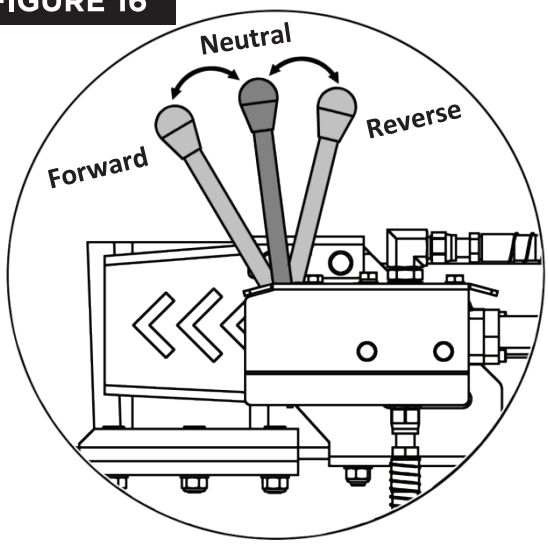
NOTES:

1. Read, understand, and follow all instructions in the manual(s) and decals on the machine before operating. Keep this manual and Engine manufacturer's manual in the manual container for future and regular reference and for ordering replacement parts.
2. **NEVER** use this log splitter for any purpose other than splitting wood. It is designed for this use only.
3. Be familiar with all controls and their proper operation. Know how to stop the machine and disengage them quickly.
4. **NEVER** allow children under 16 years of age to operate this machine. NEVER allow adults lacking proper instructions and understanding to operate this log splitter. NEVER operate the log splitter when tired or under the influence of alcohol, drugs or medication.
5. **ALWAYS** use eye protection which is marked to comply with ANSI Z87.1.
6. **ALWAYS** use the log splitter in the vertical position when splitting heavy logs.
7. **NEVER** operate the log splitter when tired or under the influence of alcohol, drugs or medication

OPERATION INSTRUCTIONS

- Start the engine as the instructions in the Engine Operator's manual packed with your log splitter.
- Grab the log on the sides and place it firmly on top of the beam against the end plate to split the wood in the direction of the grain. See FIGURE 17.
- Use your right hand to push the control handle lever to the Forward position to split the wood. See FIGURE 17.
  The control handle has three positions. See FIGURE 16.

FIGURE 16



FORWARD — Move the control handle to the FORWARD position which will engage the wedge forward to split the log.

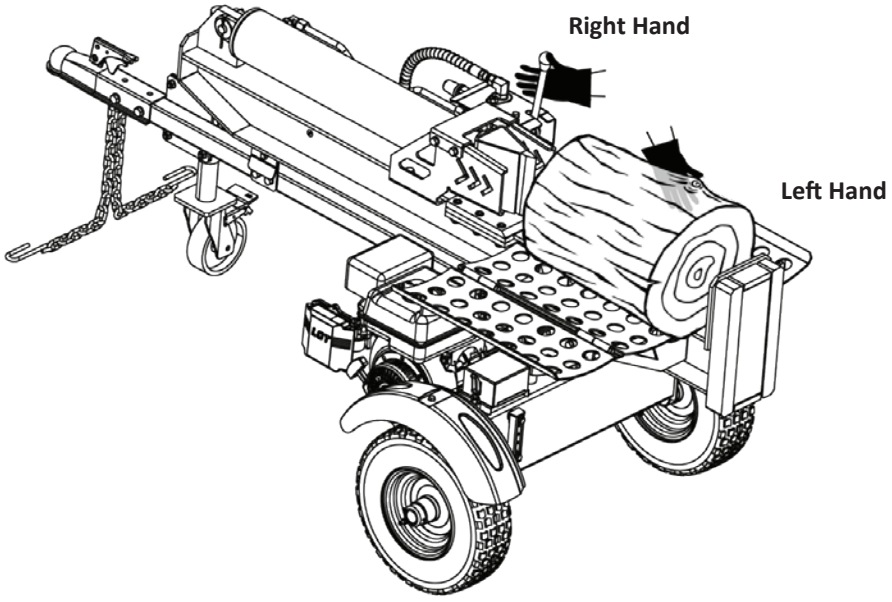
NEUTRAL — Release the control handle to the NEUTRAL position, the wedge stops moving at any point during splitting.

REVERSE — Engage the control handle to the REVERSE position, the wedge will travel backward automatically.

NOTE: DO NOT hold the handle at the FORWARD position when the wedge is fully extended. The over built up pressure may squeeze the pressure relief valve, and the control handle won't be released to NEUTRAL position automatically. Manually pull the handle to NEUTRAL or REVERSE position to recover. Or the hydraulic system may get damaged and void your warranty.

- Stabilize the log using your left hand on the side of the log and remove your left hand immediately as the wedge starts to contact the log. See FIGURE 17
- Release the control handle to stop the wedge movement at any point in the splitting process if you feel an unsafe splitting condition is occurring. The control handle will return to the Neutral position automatically when you release it.

FIGURE 17



- Remove partially split wood from wedge.

  1) If the log is clipped or jammed on the wedge, release the control handle and shut off the engine immediately. Gently knock off the log with a hammer or mallet (not with your hands).

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

  2) Once removed from the wedge, split the wood from the opposite end or in another location.

- Shut off the engine after splitting and relieve hydraulic system pressure by cycling the valve control lever from forward to reverse several times. Leave the handle to neutral before storage or maintenance.

NOTES

1. **ALWAYS** operate your log splitter in daylight or under good artificial light.
2. **ALWAYS** keep the work area clean. Remove split wood from around the log splitter immediately so that you don't stumble over it.
3. **DO NOT** allow familiarity with tools to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.
4. **ONLY** a single operator is allowed to load and operate this log splitter. Keep bystanders, pets, and children at least 25 feet from the machine while it is in operation.
5. **ALWAYS** use your hand to operate the control lever on the valve. **NEVER** use your foot, a rope or any extension device.
6. **NEVER** place hands or feet body between the moving wedge and end plates. Failure to do so may result in crushed or amputated fingers, toes, hand, or foot.
7. **NEVER** try to cross split a log.
8. **NEVER** try to split two logs on top of each other.
9. **NEVER** attempt to load your log splitter when the ram is in motion.
10. **NEVER** reach crossly and attempt to catch a falling split wood — let it fall.
11. **NEVER** leave this machine unattended with the engine running.
12. **NEVER** operate your log splitter when it is in poor mechanical condition or in need of repair.
13. **DO NOT** force the tool. It is designed to operate within its maximum speed and tonnage. Release the handle immediately if you experience extremely hard wood to avoid permanent damage which will void warranty.
14. **NEVER** touch the muffler and other hot areas of the engine during operation. Wait until the engine cools down.
15. **NEVER** tamper with the engine to run it at excessive speeds. 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.

OFF SEASON STORAGE

If the log splitter will not be used for more than 30 days, prepare it for storage as follows:

- Refer to the Engine Operator's manual packed with your log splitter for information on the off-season storage of the engine.
- Store unit in a clean, dry area. Do not store it next to corrosive materials, such as fertilizer.
- Clean the log splitter thoroughly. Wipe the machine with an oiled rag to prevent rust, especially on the wedge and the beam.

NOTES

1. Allow the machine to cool 30 minutes after use before storing.
2. Never store the machine with fuel in the fuel tank inside of building where fumes may reach an open flame or spark, or an ignition source such as hot water and space heaters, furnaces, clothes dryers, stoves, electric motors, etc.
3. DO NOT use pressure washers or a garden hose to clean the splitter which will cause damage to the bearings or the engine.
4. If storing in an unventilated or metal storage shed, be certain to rustproof the equipment by coating it with a light oil or silicone. A log splitter cover from the manufacturer is recommended.

TRANSPORTATION

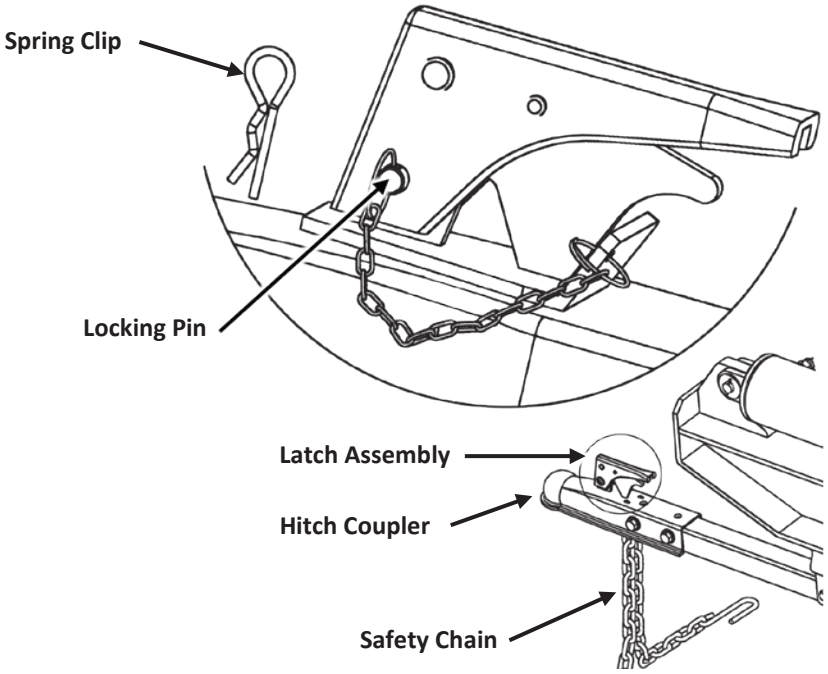
- Lower the beam to its horizontal position. Make certain the beam is locked securely with the horizontal beam lock.
- Hold the hitch coupler up when moving the log splitter. Get assistance if it feels too heavy to move by yourself.
- Towing the log splitter behind your vehicle with a Class I, 2" ball, pivot the jack stand upwards and secure onto the tongue. See FIGURE 18.
- Pull the latch on the hitch coupler up, position the hitch coupler over the tow ball behind your vehicle.
- Close the latch to lock the ball securely.

  1) If the coupler hitch is too tight and does not fit onto the ball, turn the adjustment nut one turn counter-clockwise.

  2) If the coupler hitch is too loose on the ball, turn the adjustment nut one turn clockwise, then recheck and adjust accordingly.

- Attach the safety chains to the towing vehicle crossing each other under the tow ball, ensuring there is enough slack for turning.
- Insert the locking pin into the hole in the latch assembly, and lock with the spring clip.
- Use caution when backing up. Using a spotter outside the vehicle is recommended.

FIGURE 18



NOTES

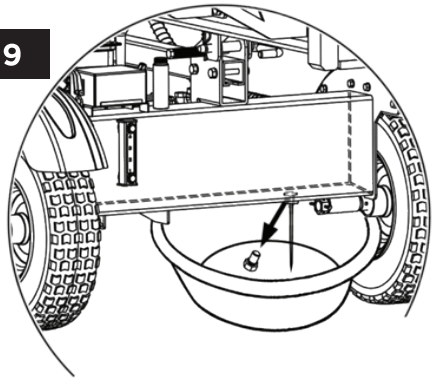
1. NEVER carry any cargo or wood on your log splitter.
2. NEVER allow anyone to sit or ride on your log splitter.
3. ALWAYS turn the engine to the “OFF” position before towing the log splitter. Failure to do so may result in flooding the engine.
4. ALWAYS check before towing to make sure that the log splitter is correctly and securely attached to the towing vehicle and that the safety chains are secured to the hitch or bumper of the vehicle with enough slack to allow turning.
5. NEVER exceed weight capacity of ball or load limits of coupler. ALWAYS replace ball or coupler if damaged.
6. ALWAYS allow for added length of your log splitter when turning, parking, and crossing intersections and in all driving situations.
7. Be extra cautious when towing over rough terrain, especially railroad crossings, and avoid sharp turns and steep angles when towing your log splitter. Use a tow vehicle if needed
8. ALWAYS disconnect your log splitter from the towing vehicle before operating it.
9. ALWAYS check all local and state regulations regarding towing, licensing, and lights before towing your log splitter on any public road. Any licensing or modifications such as taillights, etc., needed to comply, is the sole responsibility of the purchaser.

MAINTENANCE & ADJUSTMENTS

Regular maintenance is the way to ensure the best performance and long life of your machine.

- Refer to the Engine Operator's manual packed with your log splitter for all engine maintenance e.g. how to check and change the engine oil.
- DO NOT make any adjustments without first stopping the engine, disconnecting the spark plug wire and grounding it against the engine. Always wear safety glasses during operation or while performing any adjustments or repairs.
- Relieve hydraulic system pressure by cycling the valve control lever from forward to reverse several times while engine is not running. Return it to neutral before repairing or adjusting fittings, hoses, tubing, or other system components.
- ALWAYS 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.
- Periodically clean the machine using an oiled rag to prevent rust.
- DO NOT attempt to modify this tool or create accessories not recommended for use with this tool. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.
- The tires coming with your log splitter are D.O.T. certified tires. The max. recommended operating pressure is 30 psi. Do not, under any circumstances, exceed the manufacturer's recommended psi. Maintain equal pressure on all tires. Excessive pressure when seating beads may cause the tire/rim assembly to burst with force sufficient to cause serious injury.
- The flexible pump coupler, located between the pump and the engine shaft, has a nylon "spider" insert. Over time, the insert will harden and deteriorate. If you detect vibration or noise coming from the area between the engine and the pump, contact an authorized dealer or Manufacturer. Make sure to change a new coupler spider immediately when the coupler spider fails completely, or you will experience a loss of hydraulic power.
- If the wedge becomes dull or nicked, it can be sharpened.
- Change the hydraulic fluid in the reservoir every 100 hours of operation. Follow the steps below:
  1) Place a suitable oil collection container of no less than 7 gallon capacity under the tank.
  2) Disconnect the oil drain screw from the bottom of the reservoir tank. Allow the fluid to drain into the container. See FIGURE 19.
  3) After draining, put the oil drain plug back in and tighten.
  4) Refill the reservoir tank (Please follow the steps in Page 12 to fill the tank, and repel the air in the tank).
  5) Maintain the fluid level within the range specified on the dipstick at all times. See FIGURE 20.
  6) Always dispose of any used hydraulic fluid and engine oil at approved recycling centers only.
  7) Contaminants in the fluid 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.

FIGURE 19



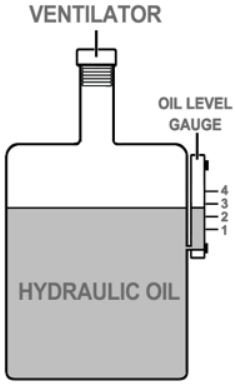


FIGURE 20

TROUBLESHOOTING

Most problems are easy to fix. Consult the trouble shooting Table below for common problems and their solutions. An unusual noise or vibration is generally a warning of trouble. Check for damaged parts and clean, repairs and/or replace as necessary. If you continue to experience problems, contact your local dealer.

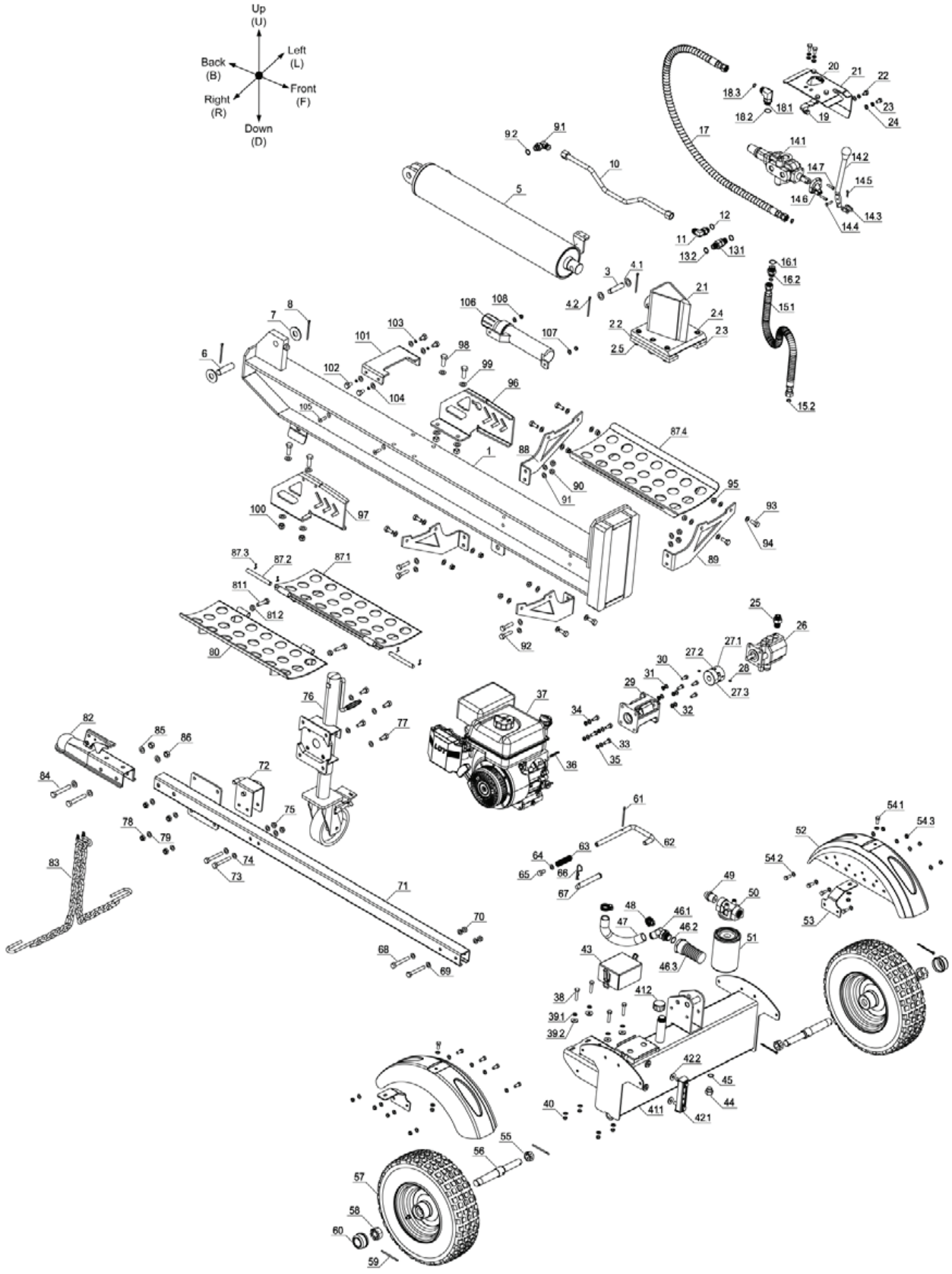
Problem	Cause	Remedy
Cylinder rod will not move	1. Broken drive shaft. 2. Shipping plugs left in hydraulic hoses. 3. Set screws in coupling not adjusted properly. 4. Loose shaft coupling. 5. Gear sections damaged. 6. Damaged relief valve. 7. Hydraulic lines blocked. 8. Low oil level or air trapped in hydraulic system. 9. Damaged control valve. 10. Blocked control valve.	1. See authorized service dealer. 2. Disconnect hydraulic hoses, remove shipping plugs, and reconnect hoses. 3. See authorized service dealer. 4. Correct engine/pump alignment as necessary. 5. See authorized service dealer. 6. See authorized service dealer. 7. Flush and clean hydraulic system. 8. Fill oil or bleed air. 9. See authorized service dealer. 10. Flush and clean hydraulic system
Slow cylinder shaft speed while extending and retracting	1. Gear sections damaged. 2. Excessive pump inlet vacuum. 3. Slow engine speed. 4. Damaged relief valve. 5. Low oil level or air trapped in hydraulic system. 6. Contaminated oil. 7. Control valve leaking internally. 8. Internally damaged cylinder.	1. See authorized service dealer. 2. Make certain pump inlet hoses are clear and unblocked. Use short, large diameter inlet hoses. 3. See authorized service dealer. 4. See authorized service dealer. 5. Fill oil or bleed air. 6. Drain oil, clean reservoir and refill. 7. See authorized service dealer. 8. See authorized service dealer
Leaking Cylinder	1. Worn seals. 2. Scored cylinder.	1. See authorized service dealer. 2. See authorized service dealer.
Wood will not split or wood splits too slowly	1. Small gear section damaged. 2. Pump check valve leaking. 3. Excessive pump inlet vacuum. 4. Low oil level or air trapped in hydraulic system. 5. Contaminated oil. 6. Control valve leaking internally. 7. Overloaded cylinder. 8. Internally damaged cylinder.	1. See authorized service dealer. 2. See authorized service dealer. 3. Make certain pump inlet hoses are clear and unblocked. 4. Fill oil or bleed air. 5. Drain oil, clean reservoir and refill. 6. See authorized service dealer. 7. Do not attempt to split wood against the grain. 8. See authorized service dealer.
Leaking pump shaft seal	1. Broken drive shaft. 2. Engine/pump misalignment. 3. Gear sections damaged. 4. Damaged shaft seal. 5. Plugged oil breather.	1. See authorized service dealer. 2. Correct alignment as necessary. 3. See authorized service dealer. 4. See authorized service dealer. 5. Make certain reservoir is properly vented.
Wedge continues to move forward when control handle is released	1. Damaged control valve	1. See authorized service dealer.
Control handle does not return to neutral when released from forward position	1. Hydraulic fluid too cold. 2. Hydraulic fluid too thick. 3. Hydraulic fluid contaminated. 4. Damaged control valve.	1. Warm up engine. 2. Replace hydraulic fluid. 3. Replace hydraulic fluid. 4. See authorized service dealer.

TECHNICAL SPECIFICATIONS

Model		126 LS27HV	126 LS32HV	126 LS40HV
Engine Model		GX200 | R225	GX200 | R225	GX390 | R420
Pump		Two-Stage, 13 gpm	Two-Stage, 13 gpm	Two-Stage, 16 gpm
Cylinder (Bore x Stroke)		4 in. x 22.6 in.	4.5 in. x 22.6 in.	5 in. x 22.6 in.
Maximum Splitting Force		27 Tons*	32 Tons*	40 Tons*
Hydraulic Pressure		4050 psi*	3950 psi*	4000 psi*
Maximum Log Length		635 mm (25")	635 mm (25")	635 mm (25")
Wedge Height		178 mm (7")	203 mm (8")	203 mm (8")
Cycle Time	Forward	8 Seconds*	7.5 Seconds*	7.5 Seconds*
	Reverse	7 Seconds*	7 Seconds*	7 Seconds*
Wheels		D.O.T. 16 x 4.8 x 8 in.	D.O.T. 16 x 4.8 x 8 in.	D.O.T. 16 x 4.8 x 8 in.
Hydraulic Capacity		3.5 Gallons	5.5 Gallons	5.5 Gallons
Height (Horizontal / Vertical Position)		1003 / 1702 mm	1003 / 1702 mm	1003 / 1702 mm
Length (Horizontal / Vertical Position)		2172 / 2134 mm	2172 / 2134 mm	2172 / 2134 mm
Width		1016 mm	1016 mm	1016 mm
Net Weight		215 kgs	231 kgs	247 kgs

*Tonnage and cycle times may vary dependent upon mechanical and environmental conditions.

EXPLODED DIAGRAM & PARTS LIST

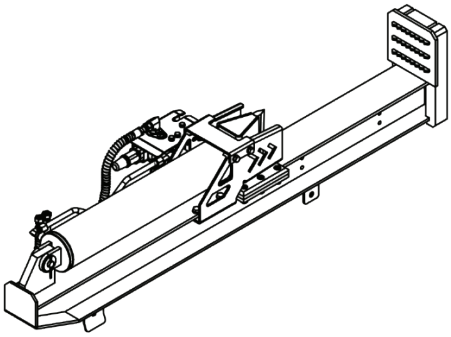


REF #	PART #	PART NAME	SPECIFICATIONS	QTY PER UNIT
1		Beam incl. End Plate 27 Ton Beam incl. End Plate 32 Ton Beam incl. End Plate 37 Ton	10-10-10 10-12-10 12-12-12	1
2		Splitting Wedge w/ Guides 27 Ton Splitting Wedge w/ Guides 32 Ton Splitting Wedge w/ Guides 37 Ton	Guide12, 7" Guide12, 8" Guide14, 8"	1
3		Pin	PH, Ø16*69-Ø4.5	1
4.1		Flat Washer	PH, M16	2
4.2		Split Pin	ZP, Ø4*35	2
5		Cylinder 27 Ton Cylinder 32 Ton Cylinder 37 Ton	4.0 in. * 22.6in. 4.5 in. * 22.6in. 5.0 in. * 22.6in.	1
6		Pin	PH, Ø20*72-Ø3.5	1
7		Flat Washer	PH, M20	2
8		Split Pin	ZP, Ø3*40	2
9.1		Adapter	90 Degree, Hex19/ Hex24	1
9.2		O Seal Ring	Ø21*2.4	1
10		Hydraulic Hose for A-Capacity		1
11		Hydraulic Adaptor for A-Capacity	90 Degree, Hex19/ Hex24, 3/4-3/4	1
12		O Seal Ring	Ø21*2.4	1
13.1		Hydraulic Adaptor for B-Capacity	Straight, Hex27*43, 3/4-3/4	1
13.2		O Seal Ring	Ø21*2.4	2
14.1		Hydraulic Valve		1
14.2		Control Handle	Ø15*220, Ball Grip	1
15.1		Connecting Hydraulic Hose w/ Protection Sleeve	½"*900	1
15.2		O Seal Ring	Ø15*1.9	2
16.1		O Seal Ring	Ø24*2.4	1
16.2		Hydraulic Adapter on Valve for Connecting Hose	Straight, Hex27*36, 7/8-13/16	1
17		Oil Return Hose w/ Protection Sleeve	1/2*1400	1
18.1		Hydraulic Adapter	90 Degree, Hex27, 7/8- 13/16	1
18.2		O Seal Ring	Ø24*2.4	1
18.3		O Seal Ring	Ø15*1.9	1
19		Handle Release Lever	WD	1
20		Extension Spring	Ø8*53	1
21		Valve Cover	WD	1
22		Hex Head Bolt	ZP, M8*20	4
23		Spring Washer	ZP, M8	4
24		Flat Washer	ZP, M8	4
25		Hydraulic Adapter on Pump for Connecting Hose	Straight, Hex27*45, NPT1/2- 13/16	1
26		Two Stage Pump Two Stage Pump Two Stage Pump	11gpm (27T) 13gpm (32T) 16gpm (37T)	1
27.1		Coupling Shaft Coupling Shaft	3/4" (27/32T) 1" (37T)	1
27.2		Coupling Spider		
28		Set Screw	PH, M6*10	1
29		Pump Mount Pump Mount	Al, 27 / 32T Al, 37T	2 1
30		Hex Head Bolt	ZP, M8*20	4
31		Flat Washer	ZP, M8	4
32		Spring Washer	ZP, M8	4
33		Hex Head Bolt	ZP, 5/16-24*20	4
34		Flat Washer	ZP, 5/16	4
35		Spring Washer	ZP, 5/16	4

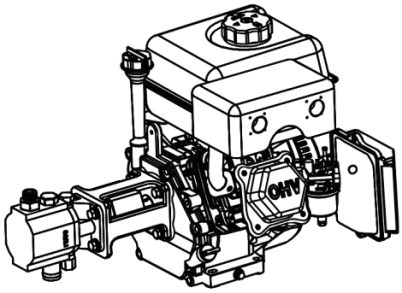
REF #	PART #	PART NAME	SPECIFICATIONS	QTY PER UNIT
36		Engine Shaft Square Key Engine Shaft Square Key	3/16 X 1.75 (27 / 32T) 1/4 X 2.165 (37T)	1
37		Petrol Engine (B&S) Petrol Engine (B&S) Petrol Engine (B&S)	27T 32T 37T	1
38		Hex Head Bolt Hex Head Bolt	ZP, M8*40 (27 / 32T) ZP, M10*40(37T)	4
39.1		Flat Washer Flat Washer	ZP, M8 (27 / 32T) ZP, M10 (37T)	8
39.2		Vibration Isolator 27 / 32Ton Vibration Isolator 37 Ton	Ø24*Ø9*3 Ø24*Ø11*3	4
40		Lock Nut Lock Nut	ZP, M8 (27 / 32T) ZP, M10 (37T)	4
41		Reservoir Tank Reservoir Tank	WD27T WD32 / 37T	1
42		Vented Dipstick	Ø4.35*186	1
44		Oil Drain Screw	PH, M16*15	1
45		O Seal Ring	Ø20*2.4	1
46.1		Hydraulic Adapter	45 Degree, Hex27-32, 1 1/16-12	1
46.2		Suction Filter	Hex50, NPT1 1/2*23, Ø41*75	1
47		Oil Suction Hose	Ø24*300,Curved	1
48		Hose Clamp	1”	2
49		O Seal Ring	Ø30*3	1
55		Bored Nut	M22	2
56		Wheel Axel		2
57		Wheel	D.O.T. Tubeless, 16*4.8*8 in.	2
58		Castle Nut	ZP, 1-14	2
59		Split Pin	ZP, Ø4*50	4
60		Dust Cap		2
61		Split Pin	ZP, Ø2.5*20	1
62		Vertical Lock Lever	ZP, Ø15*323	1
63		Vertical Lock Spring	ZP, Ø18*75	1
64		Flat Washer	ZP, M10	1
65		Hex Head Bolt	ZP, M10*20	1
66		Spring Clip	ZP, Ø3	1
67		Clevis Pin	ZP, Ø15*120	1
68		Hex Head Bolt	ZP, M10*75	2
69		Flat Washer	ZP, M10	4
70		Lock Nut	ZP, M10	2
71		Tongue	WD	1
72		Horizontal Beam Lock	WD	1
73		Hex Head Bolt	ZP, M10*70	2
74		Flat Washer	ZP, M10	4
75		Lock Nut	ZP, M10	2
76		Jack Stand		1
77		Lock Nut	ZP, M10	1
78		Flat Washer	ZP, M10	2
79		Hex Head Bolt	ZP, M10*75	1
80		Spring Clip	ZP, Ø3	1
81		Clevis Pin	ZP, Ø10*70	1
82		Hitch Coupler	2”*2”	1
83		Safety Chain		2
84		Hex Head Bolt	ZP, M12*75	2
85		Flat Washer	ZP, M12	4

REF #	PART #	PART NAME	SPECIFICATIONS	QTY PER UNIT
86		Lock Nut	ZP, M12	2
87		Log Tray Plate	WD	2
88		Log Tray Frame (FR, BL)	WD	2
89		Log Tray Frame (FL, BR)	WD	2
90		Lock Nut	ZP, M10	4
91		Flat Washer	ZP, M10	8
92		Hex Head Bolt	ZP, M10*45	4
93		Hex Head Bolt	ZP, M10*25	8
94		Flat Washer	ZP, M10	16
95		Lock Nut	ZP, M10	8
96		Log Dislodger (L)		1
97		Log Dislodger (R)		1
98		Hex Head Bolt	ZP, M12*35	4
99		Flat Washer	ZP, M12	8
100		Lock Nut	ZP, M12	4
101		Dislodger Top Plate		1
102		Hex Head Bolt	ZP, M10*20	4
103		Spring Washer	ZP, M10	4
104		Flat Washer	ZP, M10	4
105		Hex Head Bolt	ZP, M8*25	2
106		Manual Caddy		1
107		Flat Washer	ZP, M8	2
108		Lock Nut	ZP, M8	2

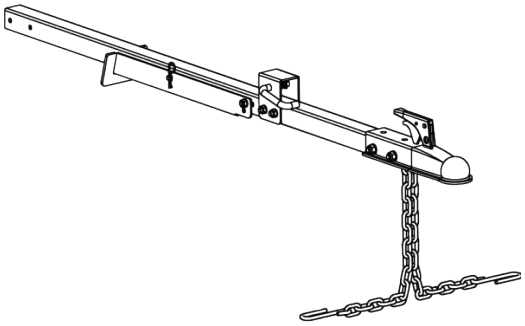
PACKING LIST



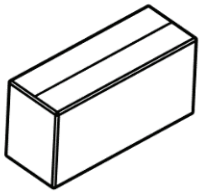
BEAM ASSEMBLY X 1



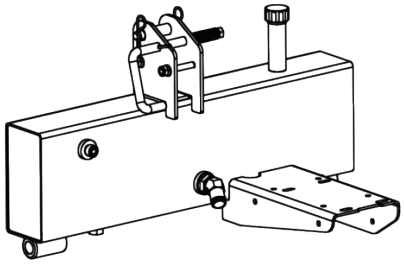
ENGINE-PUMP X 1 (*if bought with engine model*)



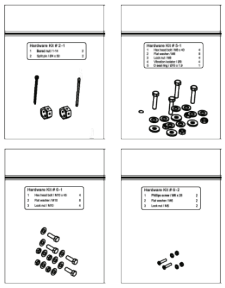
TONGUE ASSEMBLY X 1



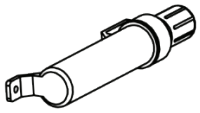
HARDWARE KIT BOX X 1 INCLUDING



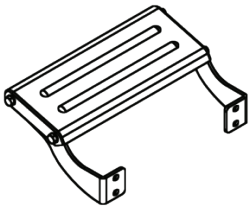
RESERVOIR TANK ASSEMBLY X 1



HARDWARE KIT # 2-1, 5, 6-1, 6-2



MANUAL CADDY X 1



LOG TRAY & LOG DISLODGER ASSEMBLY X 2

OIL SUCTION HOSE X 1

INSTRUCTION MANUAL X1

WHEEL ASSEMBLY X 2

DIPSTICK X 1

DISTRIBUTED IN AUSTRALIA BY

B.A.R Group P/L
15 Hudson Place,
Mulgrave, NSW, Australia 2756
Phone: 02 4577 2144
www.bargroup.au

DISTRIBUTED IN NEW ZEALAND BY

BE Pressure Supply
541D Te Rapa Road, Te Rapa,
Hamilton 3200, New Zealand
Phone: 07 849 0000
www.bepressure.co.nz