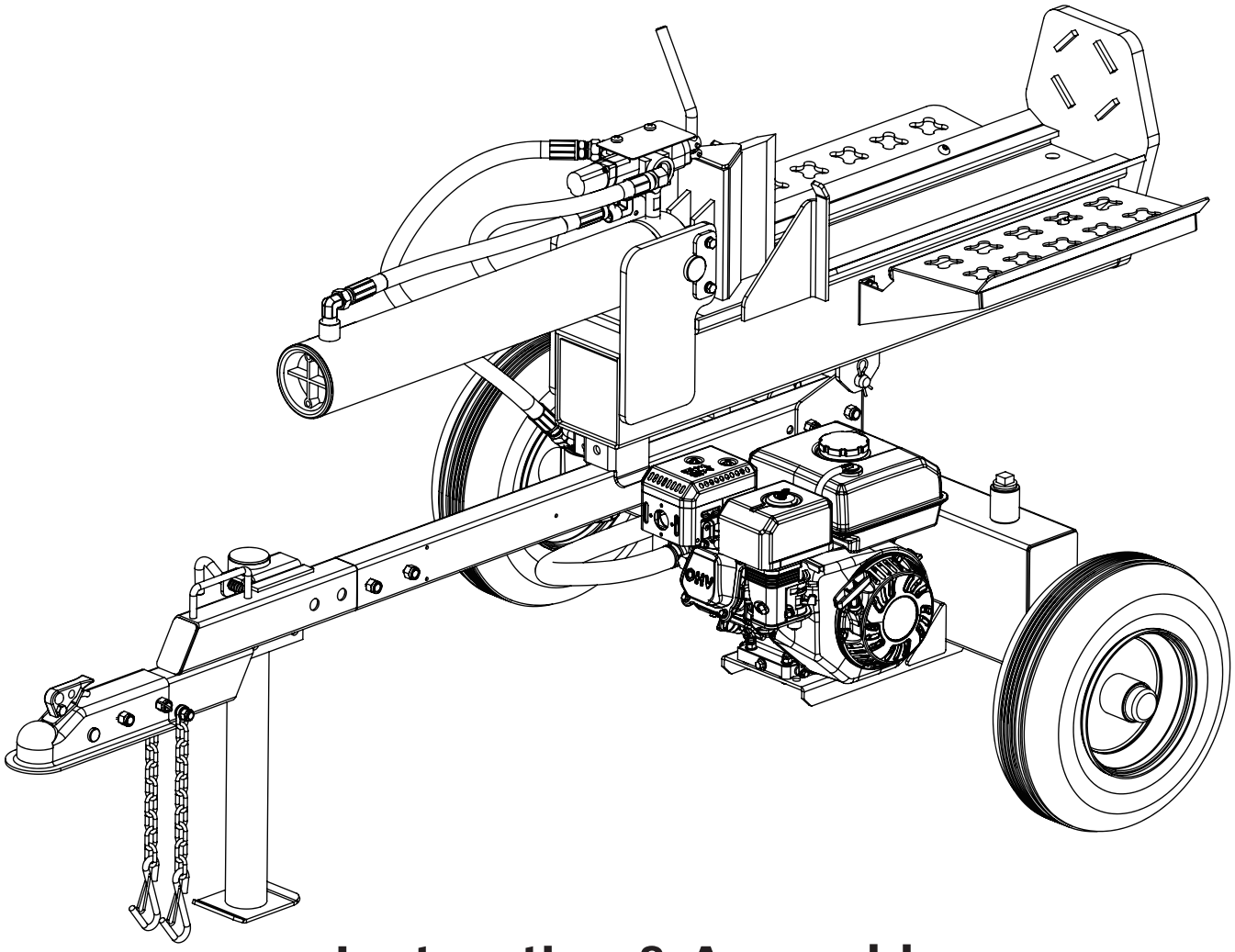
BILT HARD®

Using tips:
Video on Youtube

25 TON LOG SPLITTER



Instruction & Assembly

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

Customer Support (888) 680-2849
inquiry@bilthardusa.com

Table of Contents

GENERAL WARNINGS

READ and UNDERSTAND this manual completely before using 25 Ton Log Splitter.

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

Operation Warnings

- Do not carry passengers, sit, or stand on the log splitter at any time.
- Do not allow children to play on, stand upon, or climb on the log splitter.
- Always inspect the log splitter before using it to ensure it is in good working condition.
- Replace or repair damaged or worn parts immediately.
- Always check and tighten hardware and assemble parts before operation.
- Do not exceed the equipments maximum load capacity of 25 tons.
- Avoid large holes and ditches when towing the equipment.
- Always operate the log splitter on clear and level ground.
- Do not operate the log splitter at night, only during daylight hours.
- Always slow down when towing over rough terrain, streams, ditches, and hillsides.
- To avoid personal injury and/or equipment damage (**DO NOT EXCEED 45 MPH.**)
- Always refer to the vehicle owner's manual for proper towing.
- Always secure and lock the log splitter to the vehicle hitch before towing.

Crush and Cut Hazards

- Always keep hands and feet clear from moving parts while operating the equipment.
- Always clear and the keep work area clean and free of debris when operating.
- Always wear safety gear, eye protection, gloves, and work boots when operating the log splitter.

⚠ WARNING

The warnings, cautions, and instructions outlined in this instruction manual cannot cover all possible conditions or situations that may occur. It must be understood by the operator that common sense and caution are factors that cannot be built into this product and must be supplied by the operator.

⚠ PROP 65 WARNING

This product can expose you to chemicals including lead and lead compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.p65warnings.ca.gov

Assembly Is Required

This product requires assembly before use. See the "Assembly"section for instructions. Because of the weight and/or size of the log splitter, it is recommended that another adult be present to assist with the assembly. **INSPECT ALL COMPONENTS** closely upon receipt to make sure no components are missing or damaged.

Hazard Signal Word Definitions

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
DANGER	DANGER indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.
WARNING	WARNING indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.
CAUTION	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
CAUTION	CAUTION Using without the safety alert symbol indicates a potentially hazardous situation that, if not avoided, may result in property damage.

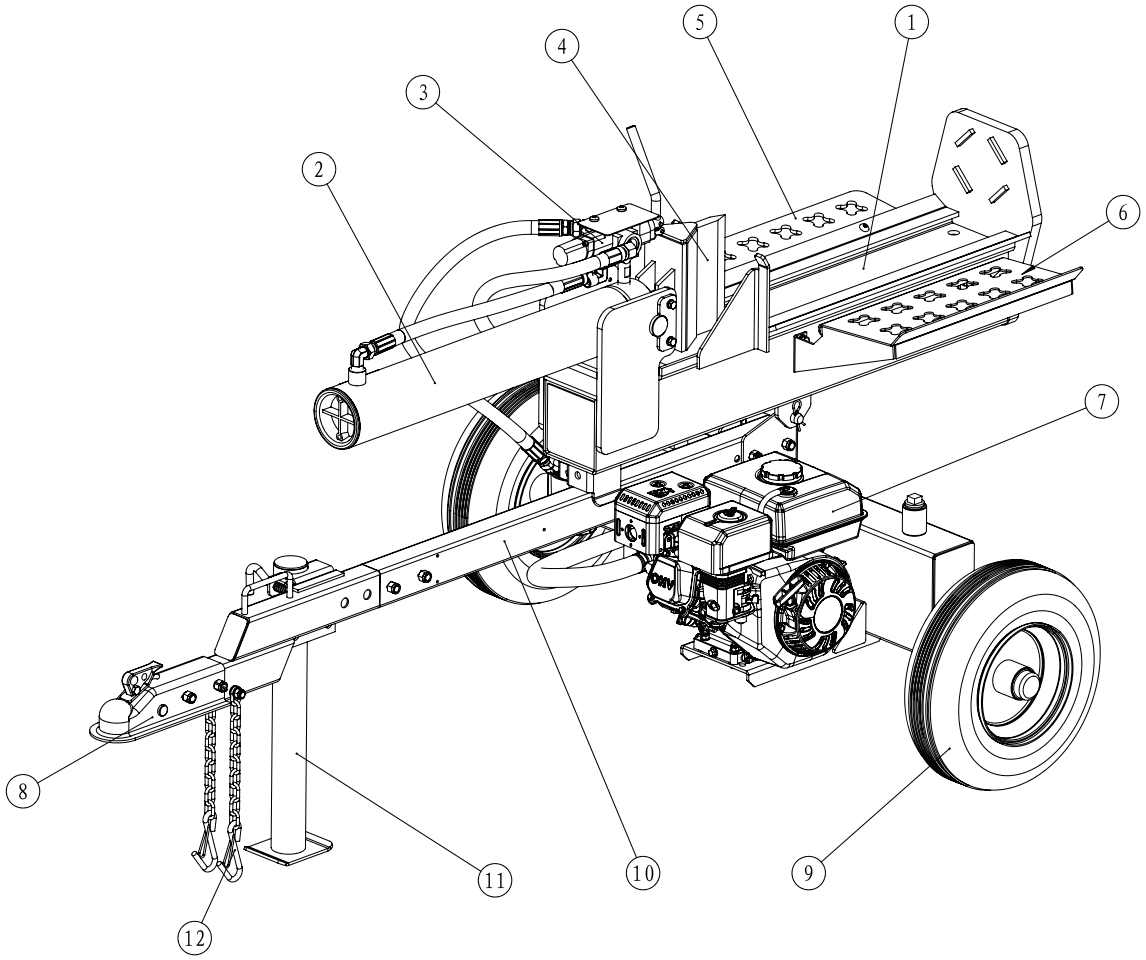
ABOUT YOUR 25 TON LOG SPLITTER

This hydraulic log splitter has a heavy-duty steel construction and 25 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 both horizontal and vertical positions. It is easy to tow, easy to use and maintain. Never exceed the rated capacity of 25 tons when operating the log splitter.

Technical specifications on the log splitter are provided in the “Specifications” section of this manual.

Controls and Features Identification

Read this owner's manual before operating the equipment. Familiarize yourself with the location and function of the controls and features. Save this manual for future reference.



1. **Beam**
2. **Hydraulic Cylinder** - 4" bore and 22.6"stroke
3. **Control Valve Lever** - Controls the forward and backward movement of splitting wedge.
4. **8"Wedge** - Features wedge wings and tapered ends making splitting easier.
5. **Short Log Catcher**
6. **Log Catcher**
7. **Engine** - Air-cooled engine powers the hydraulic pump
8. **2"Coupler** - Attaches the log splitter to the 2" ball.
9. **Tires** - Maximum rated towing speed is 45 MPH
10. **Tow Bar** - Move withATV&Lawn/Garden Tractor
11. **Support Leg** - Supports the log splitter while operating.
12. **Safety Chains** - Safety feature to prevent loss of log splitter while towing.

⚠ WARNING

Read and follow all instructions for assembly and operation. Failure to properly assemble this equipment could result in serious injury to the user or bystanders, or cause equipment damage.

Engine Shipped Without Oil.
Before starting the engine, fill it with SAE 10W−30 motor oil. See the engine manual for engine oil capacity.

Hydraulic Reservoir is Shipped Without Oil.
When adding oil verify the oil level reads 1 from the top of the hydraulic reservoir if marking is not shown fill to the neck.

Inspect all Log Splitter Components.
If you have damaged components: Contact the freight company that delivered the log splitter and file a claim.

25 TON LOG SPLITTER ASSEMBLY

Set the shipping crate on a solid flat surface and carefully remove the lid. Use two people and take all parts out of the shipping crate and inspect the components to ensure there are no missing pieces before starting to assemble the log splitter follow steps 1 through 10.

Tools required

- Rubber or Wooden Hammer
- Wrenches
- Large Adjustable Wrench
- Phillips or Standard Screwdriver
- Pliers

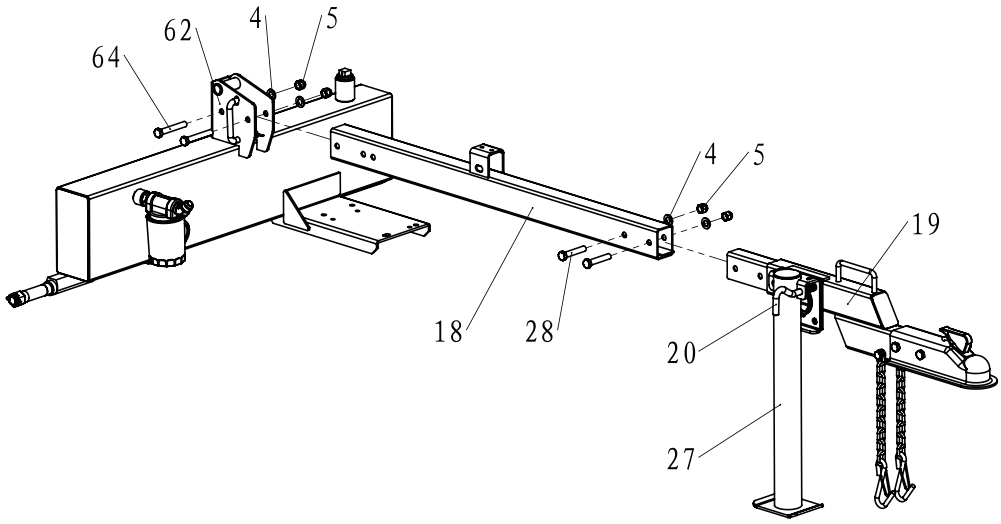
Parts included

Part	Part Qty.	hardwareneeded	hardware Qty.	Tool needed
Wheels	2	Castle Nut	2	1x30mm open-end wrench
		Cotter PinØ4 × 32	2	Needle nose pliers
		Axle Cap	2	Mallet
Tow Bar	1	Bolt M12×65、Bolt M12×80	2	1x18mm or 19mm wrench
		Lock Nut M12、Flat WasherØ12	4	
Beam	1	Hitch Pin	1	
		R−Pin	1	
Engine	1	Bolt M8×40、Lock Nut M8、Flat WasherØ8	4	1×13mm or 14mm wrench
Suction Hose	1	Spring Loaded Hose Clamp	2	Clamp Tool
High Pressure Hose	1	"O" RingØ10x 2.65	1	1x27mm open-end wrench
Oil Return Hose	1			1x27mm open-end wrench
Short Log Catcher	1	Bolt M10x30、Nut M10、Lock WasherØ10、Flat WasherØ10	2	1x6mm allen wrench、1x17mm wrench
Log Catchers	1	Bolt M10x20、Lock WasherØ10、Flat WasherØ10	4	1x16mm wrenchor socket
Wedge Slide	1	Bolt M12×75、Lock Nut M12、Flat WasherØ12	1	1×18mm or 19mm wrench
Cylinder	1	Bolt M8×20、Lock Nut M8、Flat WasherØ8	4	1×13mm or 14mm wrench

Accessories
- Engine Oil
- Hydraulic Oil
- Oil Funnel

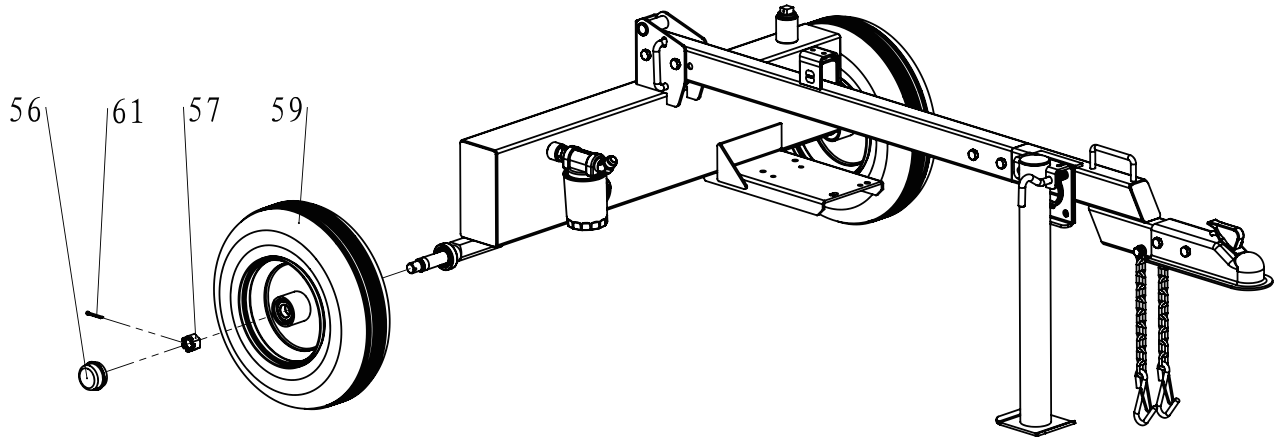
STEP 1: Install the Base Tube

1、Remove the two sets of bolts M12×65(28#), flat washers 12(4#), and lock nuts M12 (5#) from the long tow bar (18#), and set them aside for future use.
2、Insert the base connector (19#) into the long base tube (18#). Use the two sets of bolts M12×65 (28#) flat washers 12(4#), and lock nuts M12(5#) that were removed earlier to fasten it securely.
3、Remove the two sets of bolts M12x80 (64#), washers 12 (4#), and lock nuts M12 (5#) from the oil tank (62#), and set them aside.
4、Raise the oil tank (62#) using wooden blocks approximately 8.8" high, ensuring that the axle center is at a similar height to the radius of the wheels. Insert one end of the base tube (18#) into the connection base of the oil tank(62#), then secure it using the two sets of bolts M12x80 (64#), flat washers 12 (4#), and lock nuts M12 (5#). Tighten securely.
5. Rotate the front support leg (27#) to a vertical position and lock it in place using the lock pin (20#). Ensure that the base tube (18#) is approximately level with the ground.



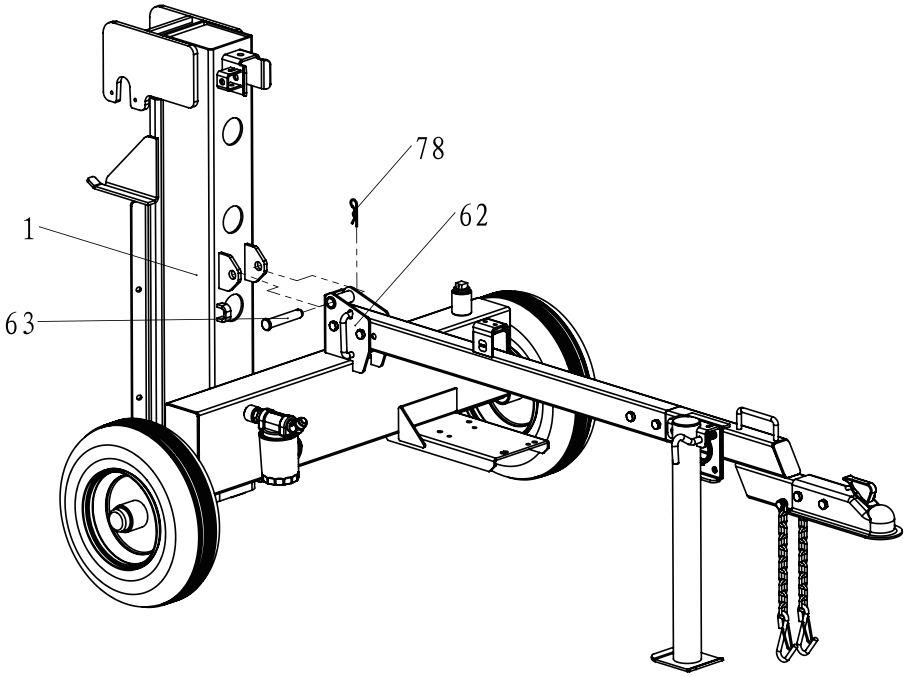
STEP 2: Install the Wheels

1. Remove the cotter pin (61#) from the axle of the oil tank(62#), and unscrew the slotted nutM20x1.5 (57#). Set them aside.
2. Mount the wheels (59#) onto the left and right axles, ensuring that the tire valves face outward. Screw the slotted nut M20x1.5 (57#) onto both axles. Tighten the nuts to ensure the wheels (59#) rotate smoothly without lateral wobbling. Insert the cotter pin (61#) into the axle and bend it to secure.
3. Attach the axle caps (56#) onto both wheels (59#).



STEP3: Install the Framework Beam

1. Stand the beam (1#) upright, paying attention to the protective coating at the base. Align the holes near the oil tank (62#) connection base as shown, insert the pin(63#), and secure it with the R-pin (78#).



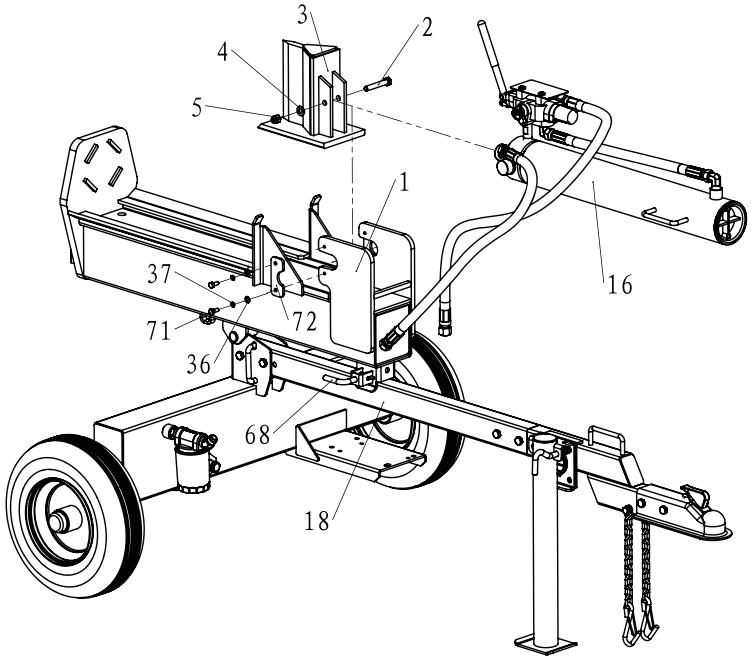
STEP 4: Install the Hydraulic Cylinder and the Wedge Slide

1、Adjust the beam (1#) to a horizontal position. Check whether the lock pin (68#) automatically aligns and inserts smoothly into the corresponding hole on the base tube (18#). Ensure smooth operation of the lock pin(68#).

2. Place the wedge slide(3#)into the slide rail of the beam(1#)，and move the wedge slide(3#) back and and forth by hand along the entire length to ensure smooth movement.

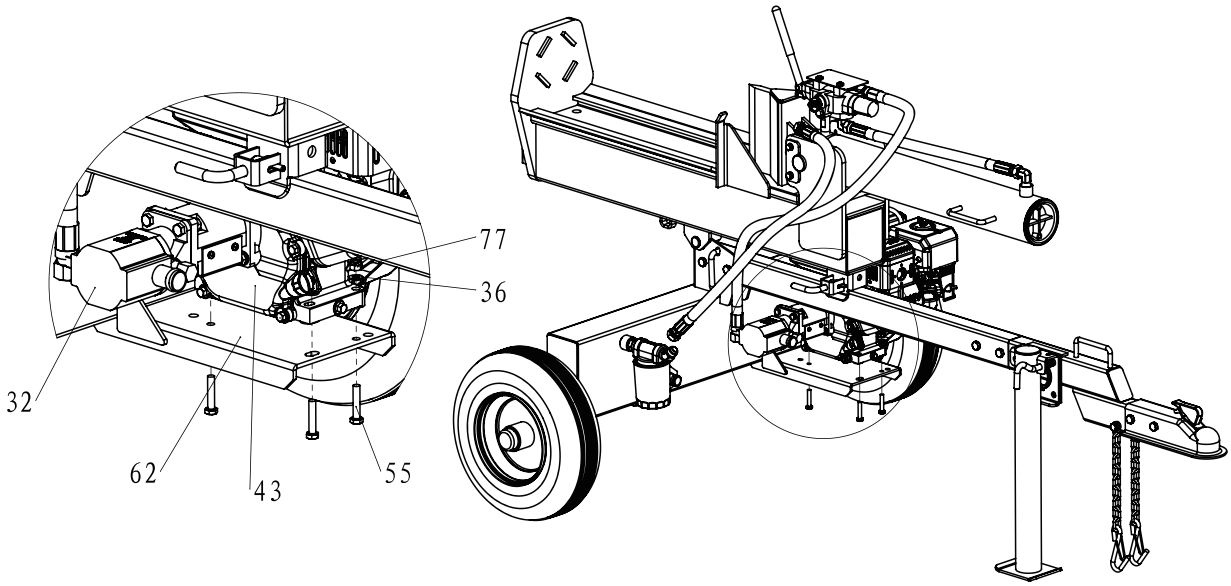
3.Place the hydraulic cylinder (16#) into the corresponding groove of the beam (1#). Insert the M8×20 (71#), lock washer 8(37#), washer 8 (36#), and cylinder fixing plate (72#) on both sides, and tighten the bolts securely.

4. Adjust the piston rod fixing hole of the hydraulic cylinder (16#) so that it is level with the ground. Align the fixed hole of the wedge slide(3#) with the piston rod fixing hole, then sequentially insert the bolt M12 ×75 (2#), class C flat washer 12(4#), and lock nut M12(5#), and tighten using a wrench.



STEP 5：Install the Engine Assembly

1.Place the engine (43#) and gear pump (32#) assembly onto the engine mounting plate of the oil tank (62#) as shown. Secure it with four sets of bolts M8x40 (55#), washers 8 (36#), and lock nuts M8(77#).

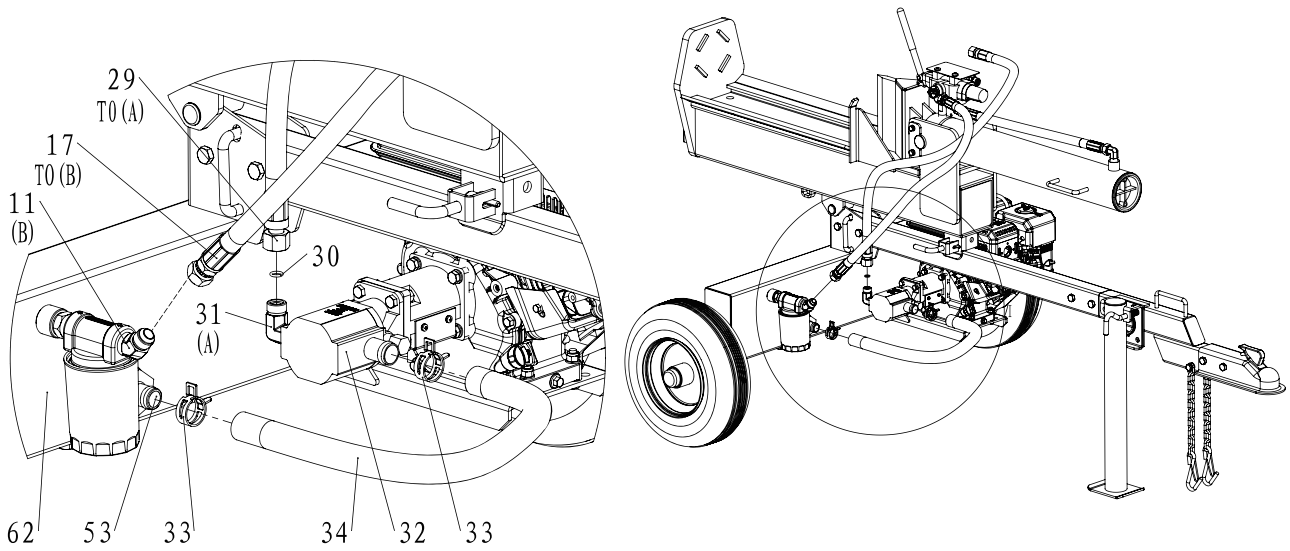


STEP 6：Install the Hose Assembly

1. Attach clamps 30 (33#) to both ends of the oil pipe (34#). Insert one end of the oil pipe (34#) fully into the suction port of the gear pump (32#) and the other end into the port of the internal oil filter(53#) on the oil tank(62#). Secure the clamps (33#) into the circular groove on both interfaces.

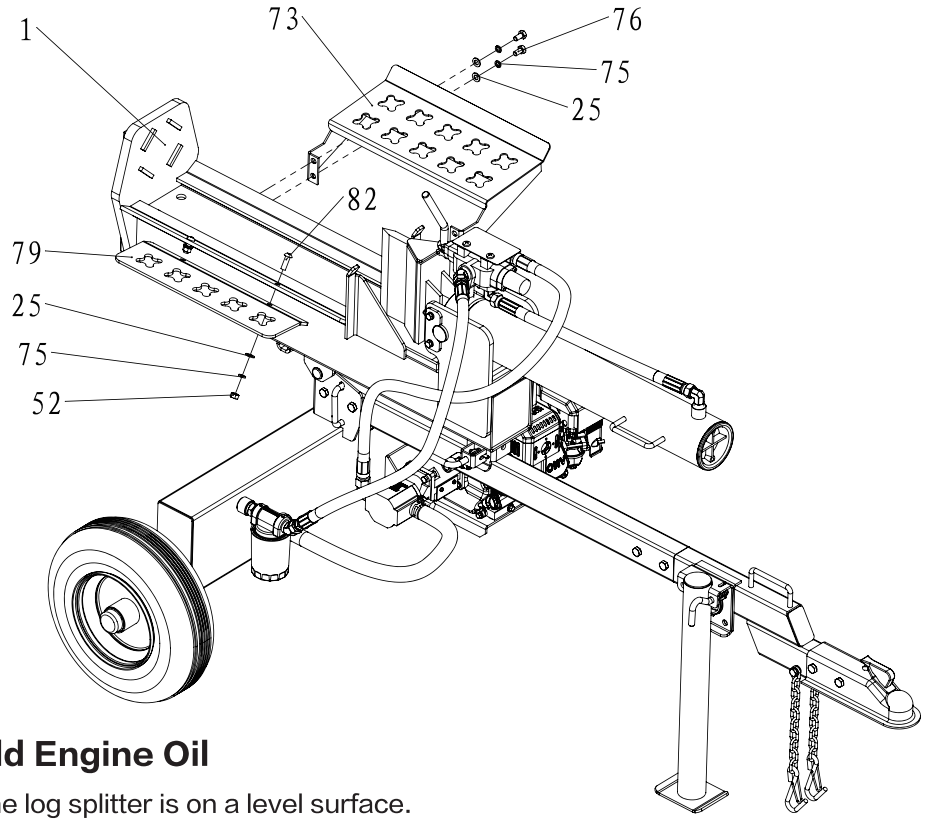
2. Place the O-ring 10x2.65 (30#) into the groove of the pump outlet connector (31#). Screw the nut of the hydraulic hose assembly (29#) A-end into the pump outlet connector (31#) A-end, and tighten with a torque of 50-60 N·m.

3. Screw the B-end nut of the 74°return hydraulic hose (17#) into the B-end of the 135°JIC connector (11#), and tighten with a torque of 70-80N·m.



STEP 7: Install the Log Catcher

1. Use four sets of bolts M10x20 (76#), lock washers 10 (75#), and washers 10 (25#) to secure the log catcher bracket (73#) to the right side of the beam (1#).
2. Use two sets of bolt M10x30 (82#), lock washers 10 (25#), washers 10 (75#), and nuts M10 (52#) to secure the short log catcher (79#) to the left side of the beam (1#) as shown. After tightening, ensure the short log catcher (79#) is level with the ground.



STEP 8: Add Engine Oil

1. Make sure the log splitter is on a level surface.
2. Remove the oil fill cap/dipstick to add oil.
3. Refer to the separate owner's engine manual for the amount needed for SAE10W-30 engine oil; replace oil fill cap/dipstick.
4. Check engine oil level daily and add as needed.

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

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

STEP 9: Add Hydraulic Oil

1. The log splitter needs to be cold on a flat-level surface before adding the hydraulic oil.
2. Remove the oil cap from the hydraulic reservoir.
3. Add approximately 5 gallons of hydraulic oil, AW32, AW46 & universal hydraulic oil are all acceptable types of fluid. Automatic transmission fluid should be used when operating in temperatures below 90°F /32°C (all units are tested and have excess oil in the ram).
4. Check the hydraulic oil level.

5. Start the engine and use the control lever to extend and retract the wedge several times to remove air from the lines.
6. With the wedge retracted, check the hydraulic oil level again and fill if necessary.
7. Do not thread in the dipstick when checking the hydraulic oil level. Check the hydraulic oil level using the oil sight glass. Oil level should visibly fill the sight glass.
8. Check oil level daily and add as needed.

⚠ WARNING

DO NOT remove the hydraulic oil fill cap when the engine is running or hot. Hot oil can escape causing severe burns. Always allow the log splitter to cool completely before removing the hydraulic oil cap.
High fluid pressure and temperatures are created in the hydraulic log splitters. Hydraulic fluid will escape through a pin-size hole opening and can puncture the skin and cause severe blood poisoning. Inspect the hydraulic system regularly for possible leaks. **Never check for leaks with your hand while the system is pressurized. Seek medical attention immediately if injured by escaping fluid.**
Make sure all fittings are tight and secure before applying pressure. Relieve system pressure before servicing.
Make sure the hydraulic hoses do not touch any hot surfaces or cutting areas.
Hoses need to be positioned where they are clear from the engine and cutting wedge. To avoid serious bodily injury always inspect the hoses before operating the log splitter.

STEP 10: Add Gasoline to the Engine

1. Use only clean, fresh, regular unleaded fuel with a minimum 87 octane rating.
2. DO NOT mix oil with fuel.
3. Remove the fuel cap, and slowly add fuel to the tank. DO NOT overfill, allow approximately ¼ inch of space for fuel expansion.
4. Screw on the fuel cap and wipe away any spilled fuel.

⚠ DANGER

Log splitter engine exhaust contains carbon monoxide, a colorless, odorless, poison gas. Breathing carbon monoxide will cause nausea, dizziness, fainting or death. If you start to feel dizzy or weak, get to fresh air immediately.
Operate log splitter outdoors only in a well-ventilated area.
DO NOT operate the log splitter inside any building, enclosure or compartment.
DO NOT allow exhaust fumes to enter a confined area through windows, doors, vents, or other openings.
DANGER CARBON MONOXIDE, using a log splitter indoors **CAN KILL YOU IN MINUTES.**

⚠ CAUTION

Fuel and fuel vapors are highly flammable and extremely explosive.
Fire or explosion can cause severe burns or death.
Unintentional startup can result in entanglement, traumatic amputation, or laceration.
Only use regular unleaded gasoline with a minimum 87-octane rating.
DO NOT mix oil and gasoline.
Fill tank approximately ¼" below the top of the tank to allow for fuel expansion.
DO NOT fill the fuel tank indoors or when the engine is running or hot.
DO NOT light cigarettes or smoke when filling the fuel tank.

Operation Instructions

⚠ WARNING

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

⚠ WARNING

ALWAYS use the log splitter for its intended use.
ONLY use the log splitter to split wood logs, length wise with the grain.
NEVER modify, alter, or change the log splitter in anyway, modifications will void the warranty.
NEVER attach a rope, cable, or other device to the control lever on the log splitter.
ONLY operate the log splitter in daylight.
NEVER leave the log splitter unattended while the engine is running.
DO NOT change the splitting position with the engine running. Contact with the muffler can cause serious burns.
ALWAYS make sure the beam is in the locked position.
DO NOT let the beam drop as it could crush fingers or cause damage to the log splitter.
NEVER operate or let anyone else operate, the log splitter while under the influence of alcohol, drugs, or medication.

USING YOUR LOG SPLITTER

1. DO NOT carry passengers, sit or stand on the log splitter at any time.
2. Check the hydraulic oil level and visually inspect all hoses and attachments for problems.
3. Inspect the engine and make sure the engine oil level is correct.
4. Before towing the log splitter the tires need to be fully inflated.

⚠ TIRE WARNING

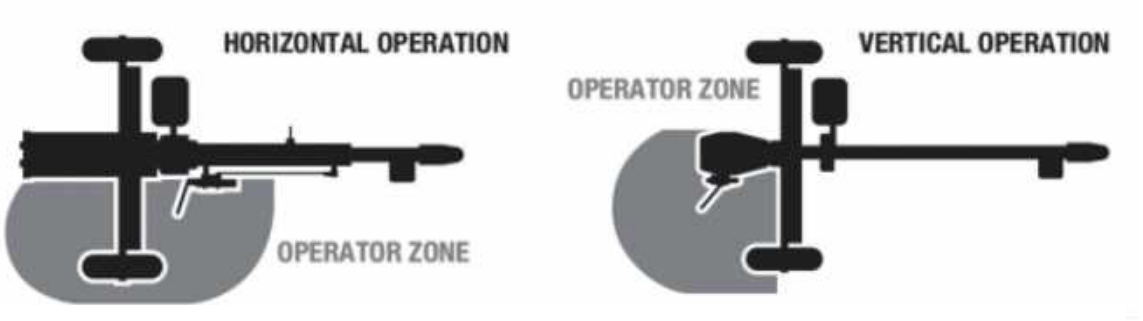
DO NOT over-inflate tires. Serious injury can result if tires explode.
DO NOT tow the log splitter if the tires are worn or will not hold air.
DO NOT exceed the maximum 45 MPH towing speed.

5. Refer to the vehicle owner's manual for proper safety and towing instructions.

⚠ TOWING WARNING

Serious injury or death can occur if towing safety rules are not followed.
Always use chains, secure and lock the log splitter to the vehicle hitch before moving.
Drive safely. Be aware of the added length of the log splitter.
Never exceed the maximum travel speed of 45 mph.
Never ride or transport cargo on the log splitter.
Turn off the vehicle before leaving the log splitter unattended.
Block the log splitter wheels to prevent unintended movement.

6. 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.



NOTE: Serious accidents can happen when other people are allowed inside the work zone. Keep everyone else outside the work zone while operating the control lever.

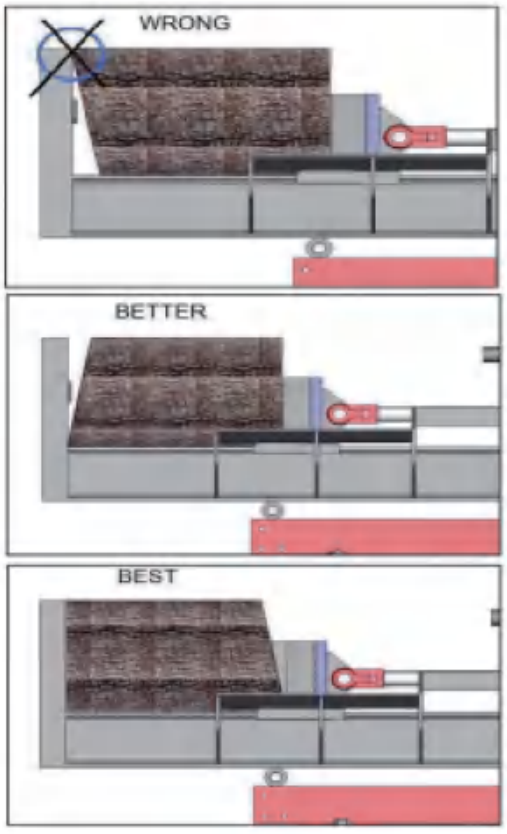
7. Always wear safety gear, eye protection, gloves and work boots when operating the log splitter.
8. Start the engine and make sure the log splitter is on level ground before operating.

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

9. Put both support legs in the down position to prevent the log splitter from moving during operation and block both tires.
10. Set the log splitter in a horizontal position.

NOTE: HORIZONTAL position is used for lighter logs that can easily be loaded onto the beam. Back injury can result from lifting logs onto the log splitter ifproper lifting techniques are not used.

11. Load a log onto the beam against the endplate (Max Log Length−24”)



12. Make sure hands are clear from the wedge and crush hazard areas.

⚠ CRUSH WARNING

can cut through the skin and break bones. Keep both hands away from the wedge and beam slide.
Serious accidents can happen when other people are allowed inside the work zone. Keep everyone else out of the work zone while operating the control lever.
DON'T wear loose clothing. It can get tangled in moving parts of a log splitter.
Only use the log splitter in daylight so you can see what you are doing.

13. Push the control lever FORWARD by one hand to split the log.
14. Push the control lever BACKWARD by one hand to return the wedge to its original position

⚠ CAUTION

If a log gets stuck, embedded,or will not split completely, push the control lever in the reverse direction and allow the splitter to strip the log from the wedge.
If the log still remains stuck, embedded,or will not split, turn the machine off and use a sledge hammer and crow bar to remove the log.
ALWAYS keep hands clear of the log and wedge while it is retracting.

15. Always keep work zone clean and free of split wood and debris.

Maintenance and Storage

⚠ CAUTION

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

MAINTENANCE

- Before performing maintenance, the log splitter must be placed in maintenance mode. Turn off the engine and move the control lever forward and backward to relieve the hydraulic pressure.
- 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 glossy enamel spray paint to touch up scratched or worn painted metal surfaces.
- Never exceed a load capacity rating of 25 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, and tighten them before operating.
Beam	Each Use	Apply grease to the beam surface.
Moving Parts	Each Use	Clear debris from the log splitter.

Refer to the Engine Owner's Manual for engine maintenance.

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.

STORAGE

- Before storing make sure the log splitter is clean and dry for years of trouble-free service.
- Lightly lubricate all log splitter surfaces and moving parts to prevent rust.
- Store indoors or protected area during severe weather and winter months.

Troubleshooting

Problem	Cause	Solution
Engine will not start.	No fuel.	Add fuel.
	Faulty spark plug.	Replace spark plug.
	Unit loaded during start up.	Remove load from unit.
Engine will not start;	Low oil level.	Fill crankcase to the proper level.
		Place log splitter on a flat, level surface.
Engine starts but runs roughly.	Choke in the wrong position.	Adjust choke.
	Spark plug wire loose.	Attach wire to spark plug.
Engine shuts down during operation.	Out of fuel.	Fill fuel tank.
	Low oil level.	Fill the crankcase to the proper level. Place the log splitter on a flat, level surface.
Engine cannot supply enough power or overheating.	Insufficient ventilation.	Check for air restriction. Move to a well ventilated area.
Wedge movement is slow or erratic.	Air in the hydraulic oil system.	Purge air by extending and retracting the wedge several times until motion is smooth.
	Debris lodged in beam guides.	Clear debris from the beam.
	Low hydraulic oil.	Check the oil level and add as needed.
Oil leak from cylinder.	Faulty cylinder rod seal.	Contact Customer Service.
	Scored or bent cylinder rod.	Contact Customer Service.
	Loose hydraulic fitting.	Tighten hydraulic fitting.
	Faulty combination washer seal on cylinder hydraulic fitting.	Contact Customer Service.
Wedge will not extend or retract.	Faulty control valve.	Contact Customer Service.
	Faulty hydraulic pump.	Contact Customer Service.
	Low hydraulic oil.	Check the oil level and add as needed.
Excessive bouncing while towing.	Under-inflated tires.	Inflate tires to the proper pressure. Refer to tire sidewall.

Specifications

Ram Force ..... 25 Ton

CycleTime.....17 Sec

(Note: Cycle time may vary given mechanical and environmental factors; the published cycle time is for ideal conditions)

Wedge Size ..... 8”Harden Steel

Gear Pump 2-Stage

Hydraulic Oil ..... AW32, AW46 & Universal Hydraulic Oil

Amount of Hydraulic Fluid.....5 Gallon

Max. Log Length..... 24”

Hydraulic Cylinder ..... 4 x 22.6”

Max. Pressure .....3600 PSI

Max. Flow ..... 8 GPM

Wheel Size..... 4.8-8 wheel with 16” outside diameter D.O.T tires

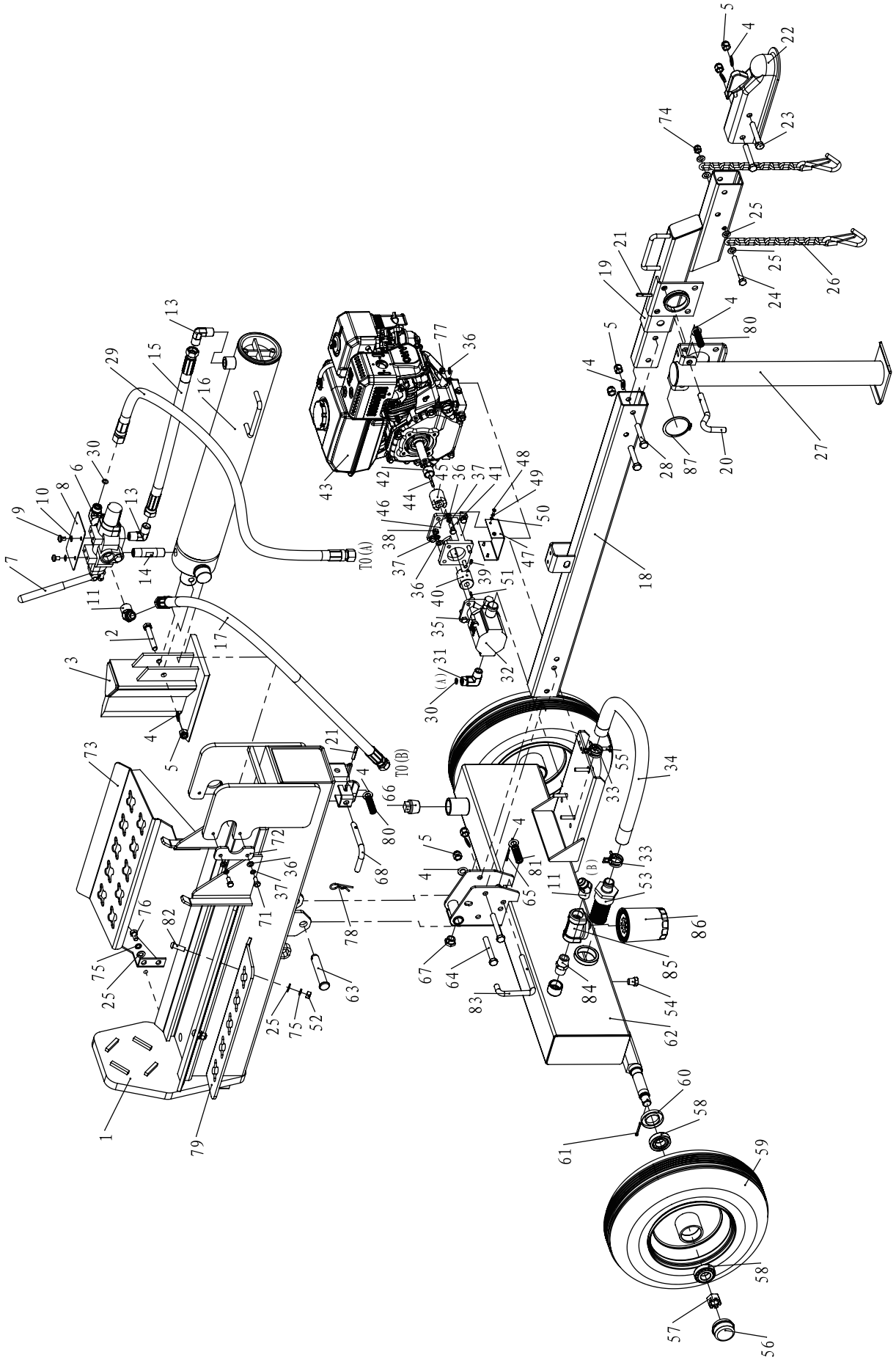
Hitch Type .....2”Ball Coupler

Max. Towing Speed..... 45 MPH

Manual Start Engine.....223cc

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

Parts Drawing & Parts List



No.	Part number	Description	Qty	No.	Part number	Description	Qty
1	PMJ20S-01-00	Beam	1	44	GB/T 1096-1970	Flat Key 5×36	1
2	GB/T 5782-2000	Bolt M12x75(12.9)	1	45	PMJ22G-28	Engine Connector	1
3	PMJ20S-02-00	Wedge Slide	1	46	PMJ22G-27	Gear Pump Stand	1
4	GB/T 95-2000	Washer Ø12	9	47	PMJ22G-32	Connector Cover	1
5	GB/T 889.1-2000	Lock Nut M12	7	48	GB/T 818-2000	Cross Head Screw M4x10	4
6	PMJ20J-16	Control Valve "IN" Connector	1	49	GB/T 848-1985	Lock Washer Ø4	4
7	PMJ27B-12	Control Valve	1	50	GB/T 859-1987	Washer Ø4	4
8	PMJ22J-19	Plate	1	51	GB/T 1099-1979	Flat Key 3x5x13	1
9	GB/T 818-2000	Bolt M8x12	2	52	GB/T 6170-2000	Nut M10	2
10	GB/T 859-1987	Washer Ø8	2	53	PMJ22Q-20A	Internal Oil Filter	1
11	PMJ25Y-24	135Degree Oil Return Connector	2	54	PMJ22G-19	Oil Plug	1
13	PMJ7-15	Right Angle Joiner	2	55	GB/T 5782-2000	Bolt M8x40	4
14	PMJ7-22	Through Joiner	1	56	PMJ22J-05-02	Axle Cap	2
15	PMJ22Q-21	Hydraulic Hose(Valve-Cylinder)	1	57	GB/T 9459-1988	Slotted Nut M20x1.5	2
16	PMJ22Q-08-00	Cylinder	1	58	L44634 LYC DS	Tapered Bearing	4
17	PMJ25Y-22	Hydraulic Hose(Valve-Oil Tank)	1	59	PMJ22D-05-03	Wheel	2
18	PMJ20B-06	Base Tube	1	60	PMJ22J-05-01	Cased Seal	2
19	PMJ20S-05-00	Base Connector	1	61	GB/T 91-2000	Cotter Pin Ø4x32	2
20	PMJ25Y-16	Support Leg Lock Pin	1	62	PMJ20S-04-00	Oil Tank	1
21	GB/T 879.2-2000	Spring Pin 6x40	2	63	PMJ25Y-19	Pin	1
22	PMJ22G-40	2-in. Coupler	1	64	GB/T 5782-2000	Bolt M12x80	2
23	GB/T 5782-2000	Bolt M12x75	2	65	GB/T 91-2000	Cotter Pin Ø3.2x14	1
24	GB/T 5782-2000	Bolt M10x85	1	66	PMJ22G-18	Screw NPT 1 in.	1
25	GB/T 95-2000	Washer Ø10	10	67	GB 1160.2-89	Oil Scale	1
26	PMJ25M-18-00	Safety Chain With Hook	2	68	PMJ25Y-14	Horizontal Lock Pin	1
27	PMJ25S-07-00	Front Support Leg	1	71	GB/T 5783-2000	Bolt M8x20	4
28	GB/T5782-2000	Bolt M12x65	2	72	PMJ20S-03	Cylinder Fixing Plate	2
29	PMJ20J-18	Hydraulic Hose(Valve-Pump)	1	73	PMJ20S-36	Log Catcher	1
30	GB/T 3452.1-92	"O" Ring Ø10x2.65	2	74	GB/T 889.1-2000	Lock Nut M10	1
31	PMJ25M-16	Outlet Connector Of Pump	1	75	GB/T 93-1987	Lock washer Ø10	6
32	PMJ22G-42	Gear Pump	1	76	GB/T 5783-2000	Bolt M10x20	4
33	PMJ25Y-38	Clamp d30	2	77	GB/T 889.1-2000	Lock Nut M8	4
34	PMJ25M-17	Oil Pipe	1	78	GJY12-3	R Pin	1
35	GB/T 5783-2000	Bolt M8x30	4	79	PMJ25S-31	Short Log Catcher, Cool Gray	1
36	GB/T 95-2000	Washer Ø8	16	80	PMJ25Y-18	Spring For Lock Pin	2
37	GB/T 93-1987	Lock Washer Ø8	12	81	PMJ25Y-17	Spring For Vertical Lock Pin	1
38	GB/T 6170-2000	Nut M8	4	82	GB/T 70.2-2000	Bolt M10x30	2
39	GB/T 77-2000	Screw M6x10	1	83	PMJ25Y-15	Vertical Lock Pin	1
40	PMJ22G-26	Gear Pump Connector	1	84	PMJ22Q-23	Through Joint	1
41	ASME-B18.2.1 1996	Bolt 5/16 ” 24x1”	4	85	PMJ25M-20-00	Auto Filter Base	1
42	PMJ22G-29	Engine Bushing	1	86	PMJ22G-52	Auto Filter	1
43	223CC	Engine	1	87	GB 894.1-86	Circlip Ø63	1