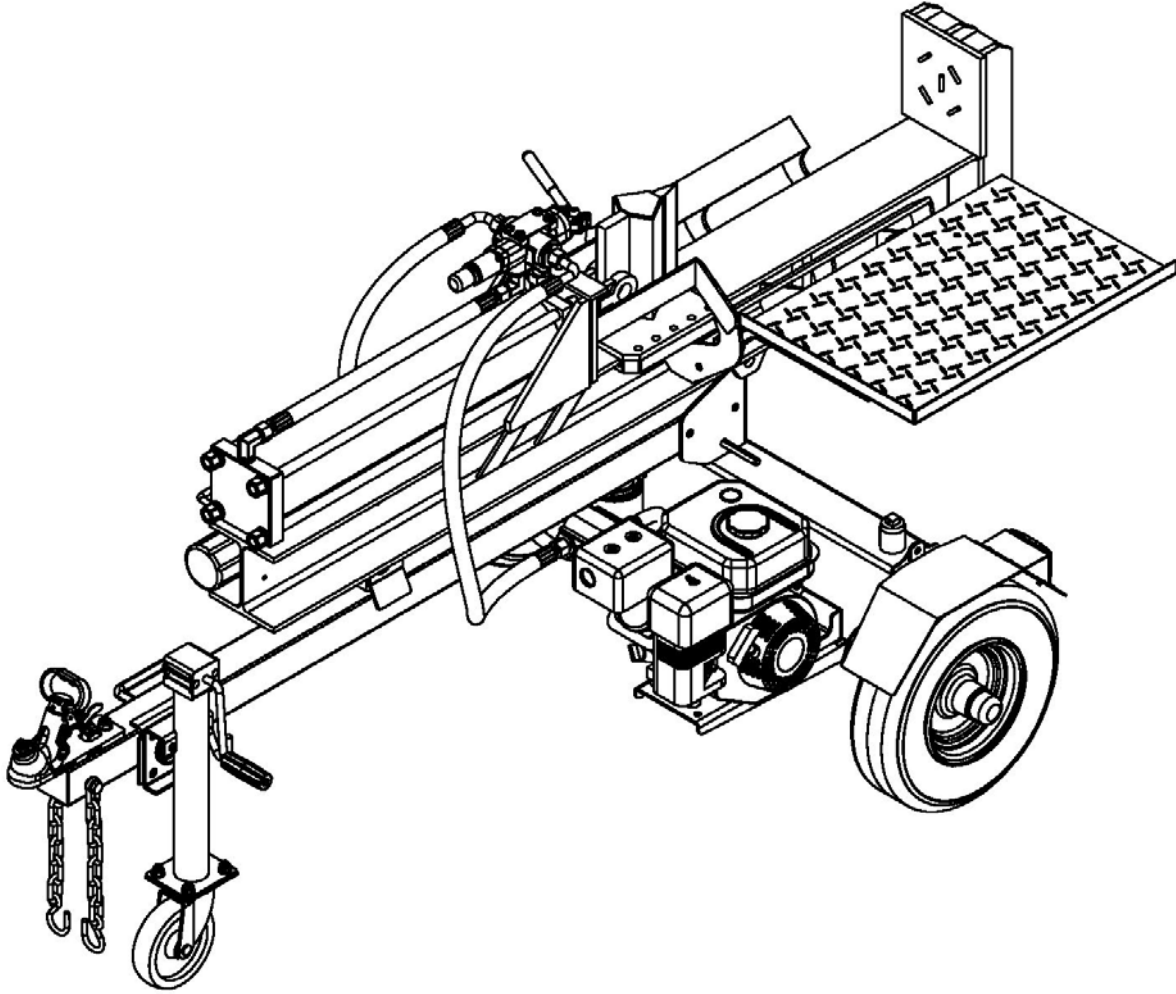


BWM 30 Ton Log Splitter

User's Manual



BWM LSE30 Essential Series

Please read through this owner's manual carefully before using the product, to ensure the safety of yourself and others.

*Due to continuing improvements, actual product may differ slightly from the product described herein.

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GENERAL WARNINGS



READ and UNDERSTAND this manual completely before using 30 Ton Log Splitter.

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

Operation Warnings

- Do not at any time carry passengers, sit or stand on the log splitter.
- Do not allow children to play on, stand upon or climb on the log splitter.
- Always inspect the log splitter before using to assure it is in good working condition.
- Replace or repair damaged or worn parts immediately.
- Always check and tighten hardware and assembled parts before operation.
- Do not exceed equipment maximum load capacity of 30 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 tow at reduce speed in rough terrain, along creeks, ditches and on hillsides.
- To avoid personal injury and/or equipment damage **DO NOT EXCEED 72 KM/H.**
- 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 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 which cannot be built into this product and must be supplied by the operator.

Assembly Is Required

This product requires assembly before use. See "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

	<p>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.</p>
	<p>DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.</p>
	<p>WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.</p>
	<p>CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.</p>
	<p>CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.</p>

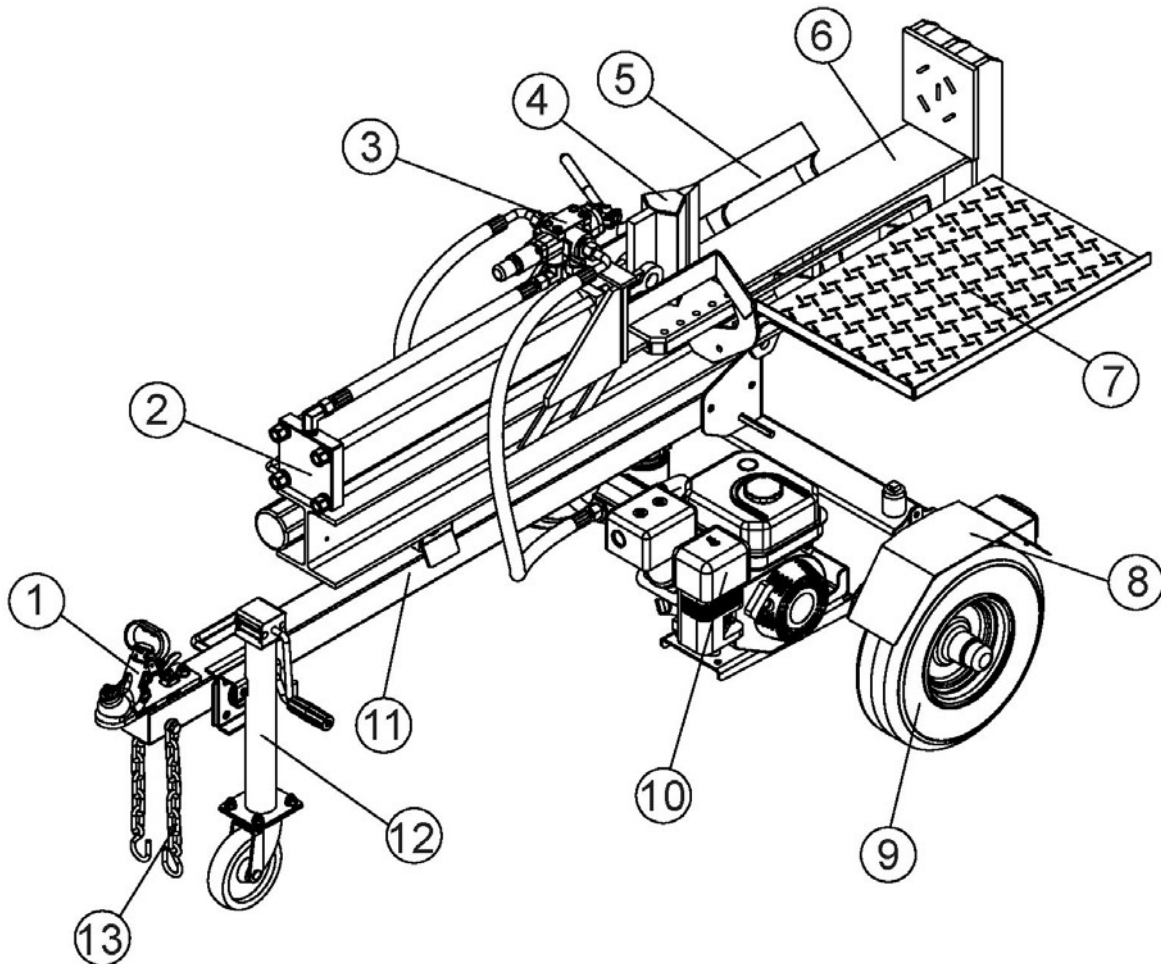
ABOUT YOUR 30 TON LOG SPLITTER

This hydraulic log splitter has a heavy-duty steel construction and 30 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 the horizontal and vertical position. It is easy to tow, easy to use and maintain. Never exceed the rated capacity of 30 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.) **2" 50mm Coupler.** Attaches the log splitter to your vehicle. Fits only 50mm hitch balls.
- 2.) **Hydraulic Cylinder.** The hydraulic cylinder has a 4½" (115mm) bore and a 23" (575mm) stroke.
- 3.) **Control Valve.** Use the control valve handle to move the wedge slide forward and backward.
- 4.) **Wedge.** The wedge features wedge wings and a taper that makes splitting easier.
- 5.) **Log Cradle.** Keeps the log on the beam without operator assistance.
- 6.) **Beam.** The beam is made of 6" wide flange beam (also called I-Beam).
- 7.) **Log Table.** Maximum loading 20kg.
- 8.) **Fenders**
- 9.) **Tires.** Maximum rated speed is 45 miles per hour (72KPH)
- 10.) **Engine.** The air cooled engine powers the hydraulic pump.
- 11.) **Tow Bar.** Towing the log splitter but the maximum speed is 72KPH. 12.) **Jockey Wheel – 6"**
- 13.) **Safety Chains.** A 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 engine, fill with 600ml of Briggs & Stratton SAE30 engine oil or Honda 10W30 engine oil, depending on your model. See engine manual for engine oil capacity.

Hydraulic Oil Tank is Shipped Without Oil.

Add 12L of AW32/AW46 hydraulic oil before the first use. When topping up oil verify the oil level using the Oil filter/Dip Stick on the top of hydraulic oil tank. .

Inspect all Log Splitter Components.

If you have damaged components: Contact the freight company that delivered the log splitter and file a claim.

Assembly Instructions

30 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 9.

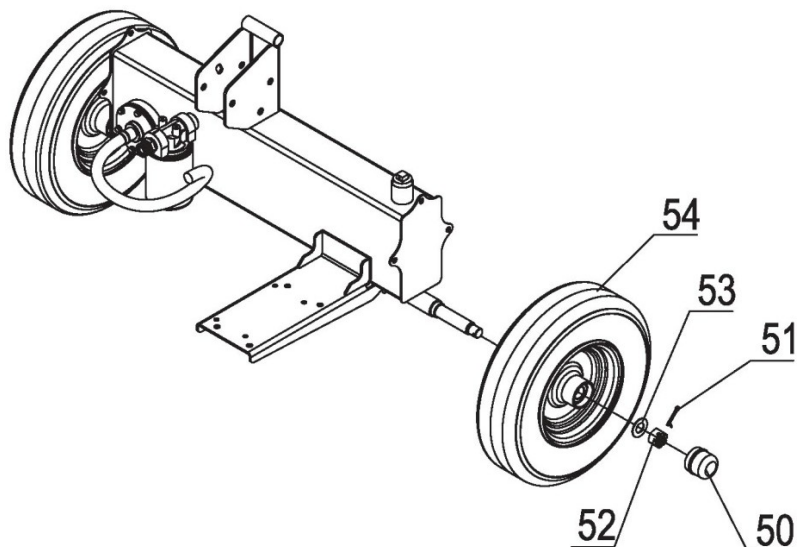
TOOLS REQUIRED

- Rubber or Wooden Hammer
- 13mm, 16mm, 17mm, 18mm, 19mm, 24mm, 27mm Wrenches
- Large Adjustable Wrench
- Phillips or Standard Screwdriver
- Pliers

STEP 1: Wheel Assembly

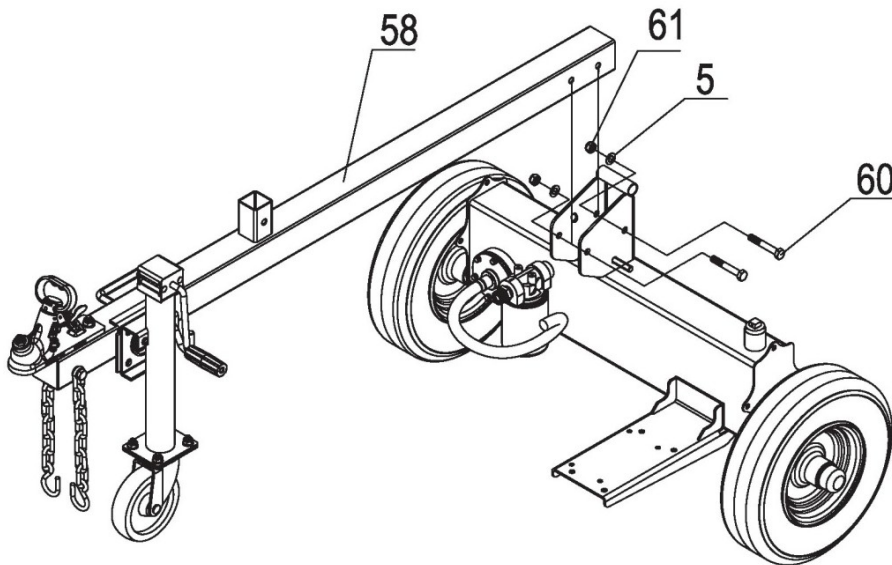
1. Fix the wheel (#54) to the oil tank axle by a flat washer $\text{Ø}20$ (#53), slotted nut M20x1.5 (#52), cotter pin $\text{Ø}4\times 36$ (#51) and attach the axle cap (#50).

NOTE: Use a black plastic bushing to fix the axle cap like below picture. Please cover the black bushing onto the axle cap, and use rubber/wooden hammer knocking the end of the plastic bushing and make the axle cap fixed on wheel.



STEP 2: Attach Tow Bar to the Oil Tank

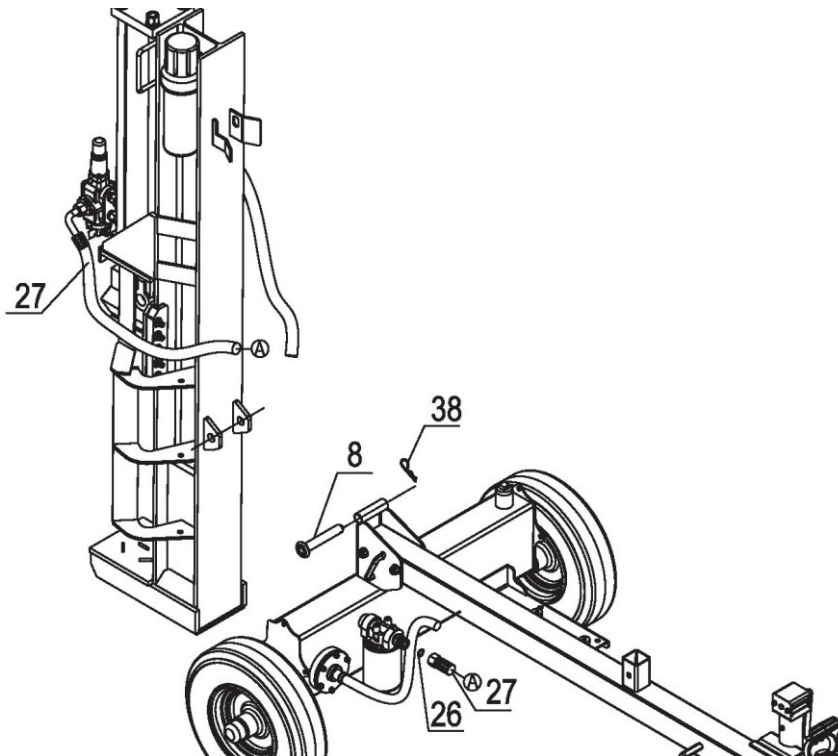
1. Fix the tow bar (#58) to the oil tank by using 2 sets of hex bolt M12x100 (#60), flat washer Ø12 (#5) and nylon lock nut M12 (#61).



STEP 3: Assemble Beam and Tow Bar and Hydraulic Hose

1. Assemble the Beam to the tow bar, secure with hitch pin (#8) and R pin (#38). Attach hydraulic hose (#27) to the connector of outer oil filter, put in O ring Ø14x2.5 (#26). After the assembling finished, please keep the elbow from the reversing pipe in vertical position.

Note: Tighten hydraulic hose connector between torque of 80-90Nm



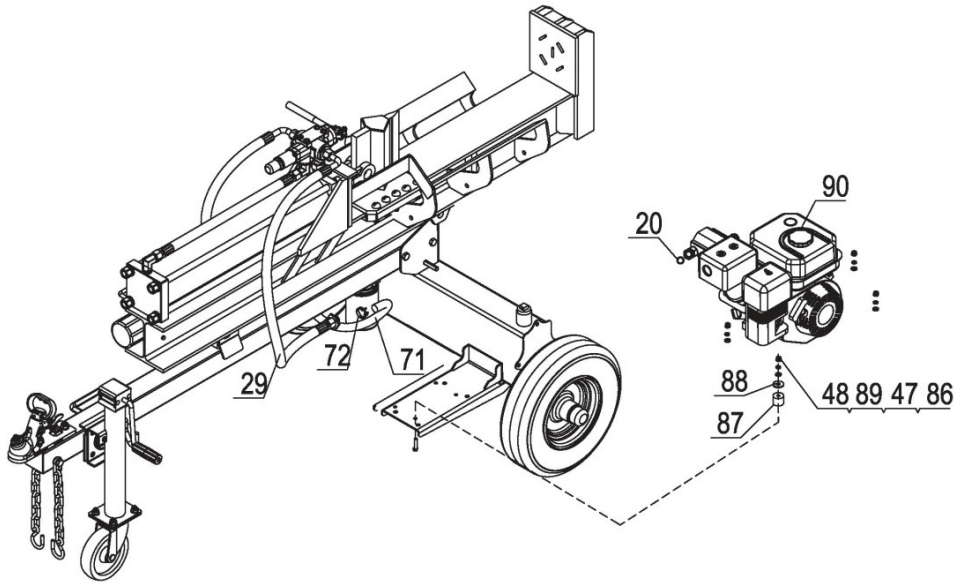
STEP 4: Attach Engine and Hydraulic Hose

1. Assemble the engine (#90) to the engine mounting plate by using hex bolt M8x65 (#86), flat washer Ø8 (#47), lock washer Ø8 (#89) and nylon lock nut M8 (#48). Place 4 polyurethane blocks (#87) and large flat washer Ø10 (#88) between the engine and mounting plate.

Attach the oil pipe (#71) to the bottom of the gear pump with the clamp (#72).

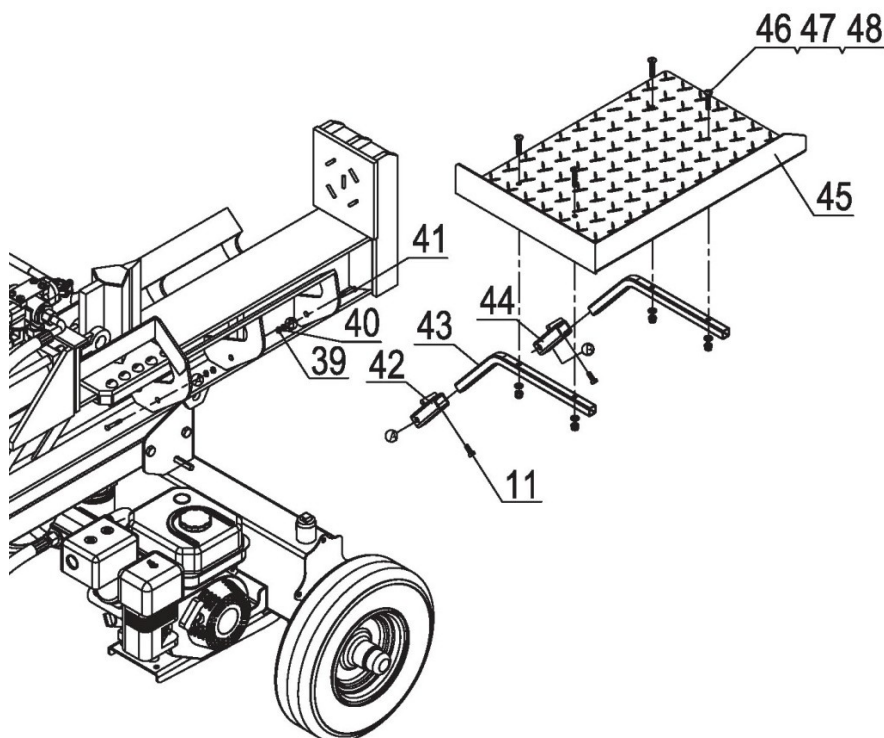
Place an O ring 11x2.5 (#20) onto the angle connector. Then tighten with hydraulic hose (#29).

Note: Tighten hydraulic hose connector between torque of 80-90N·m



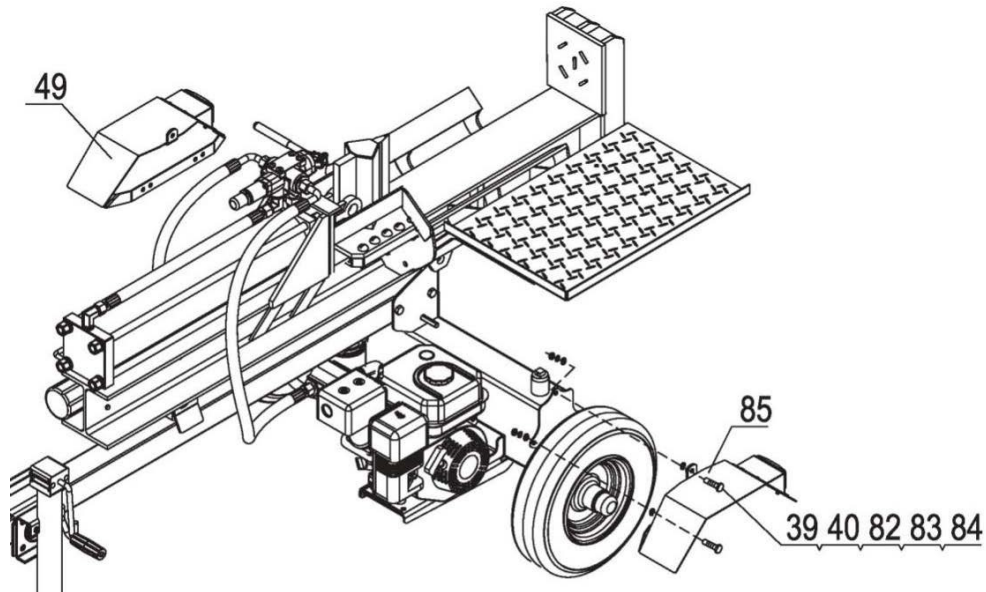
STEP 5: Attach Log Table

1 Attach the log table (#45) to the table stand (#43) by using screw M8x35 (#46), flat washer Ø8 (#47) and nylon lock nut M8 (#48). Attach square tube (#42 & #44) to the beam by using hex bolt M10x50 (#41), flat washer Ø10 (#40) and nylon lock nut M10 (#39). Insert log table assembly to the square tube tighten with hex bolt M8x20 (#11).



STEP 6: Attach Wheel Fenders

1. Attach the left & right fenders (#49 & 85) to the oil tank by using hex bolt M10x30 (#82), flat washer Ø10 (#40), lock washer Ø10 (#84) and nylon lock nut M10 (#39). Place rubber washer (#83) between the fenders and oil tank.



STEP 7: Add Engine Oil

1. Make sure the log splitter is on a level surface.
2. Unscrew the oil fill cap/dipstick to add oil.
3. Add 600ml of engine oil (SAE30 or 10W30, depending on your model). Refer to owner's engine manual for more details. Replace the oil fill cap/dipstick.
4. Check engine oil level each use and add as needed.

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

CAUTION

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

STEP 8: Add Fuel to the Engine

1. Use only clean, fresh, regular unleaded 91 fuel.
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 colourless, odourless, 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 91 fuel.
DO NOT mix oil and petrol together.
Fill tank approximately ¼" below the top of the tank to allow for fuel expansion.
DO NOT fill fuel tank indoors or when the engine is running or hot.
DO NOT light cigarettes or smoke when filling the fuel tank.

STEP 9: Add Hydraulic Oil

1. The log splitter needs to be on a flat, level surface before adding the hydraulic oil.
2. Remove the oil cap from the hydraulic oil tank.
3. Add 12 liters of AW32/AW46 hydraulic oil.
4. Check the hydraulic oil level.
5. Start engine and use the control lever to extend and retract wedge several times to remove air from the lines.
6. With the wedge retracted, check hydraulic oil level again and fill if necessary.

WARNING

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

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

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

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

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

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

Operating 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 at any time carry passengers, sit or stand on the log splitter.
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 tyres need to be fully inflated.

! TYRE WARNING

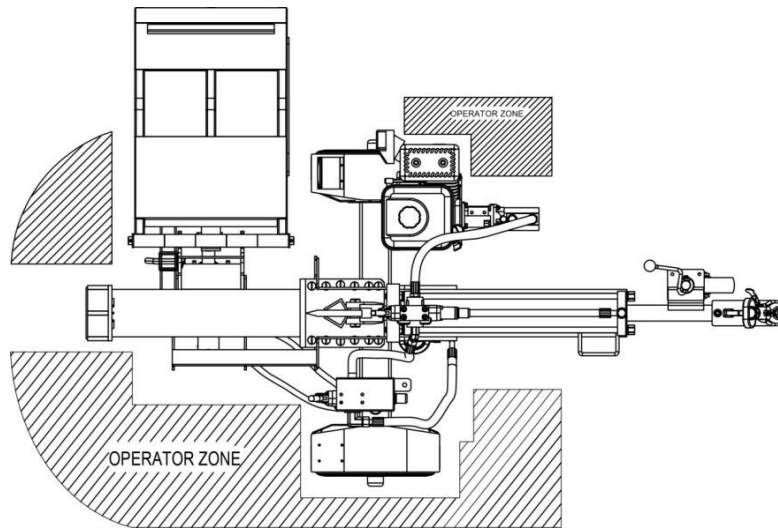
DO NOT over inflate tyres. Serious injury can result if tyres explode.
DO NOT tow the log splitter if the tyres are worn or will not hold air.
DO NOT exceed the maximum 72 KM/H towing speed.

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 safety 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 72 KM/H.
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 2 meters 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.

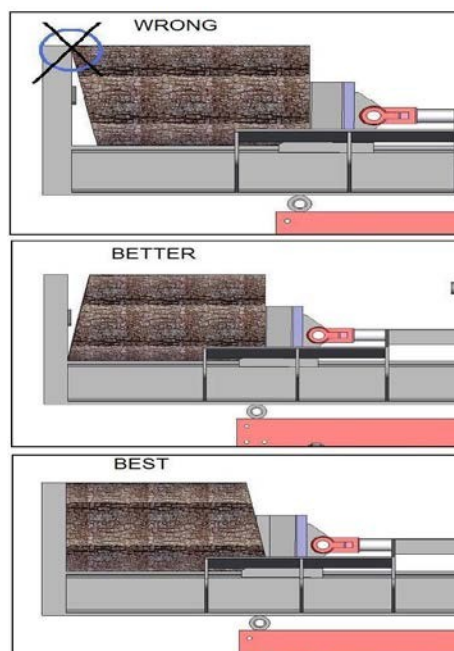
7. Always wear safety gear, eye protection, gloves and work boots when operating the log splitter.
8. Start the engine and make sure the log splitter is on level ground before operating.

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

9. Put the support leg or jockey wheel in the down position to prevent the log splitter from moving during operation and block both tyres.
10. Set the log splitter in either the horizontal or vertical position.

NOTE: HORIZONTAL position is used for lighter logs that can easily be loaded onto the beam. The VERTICAL position is used for either light logs or heavy logs that are difficult to load onto the beam. Back injury can result from lifting logs onto the log splitter if proper 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

Wedge can cut through skin and break bones. Keep both hands away from 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 control lever.

DO NOT wear loose clothing. It can get tangled in moving parts of log splitter.
Only use the log splitter in daylight so you can see what you are doing.

13. Push control lever FORWARD by one hand to split the log.

14. Push control lever BACKWARD by one hand to return 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.

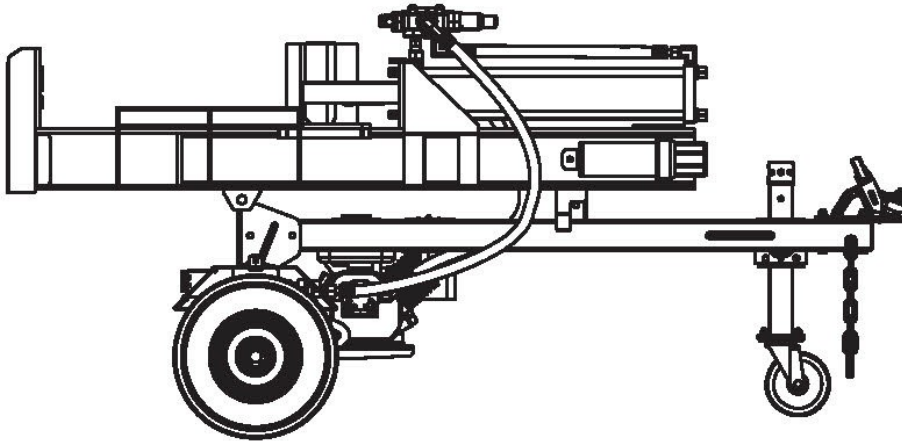
If the log still remains stuck, embedded or will not split, turn the machine off and use a sledge hammer and crow bar to remove the log.

ALWAYS keep hands clear of the log and wedge while it is retracting.

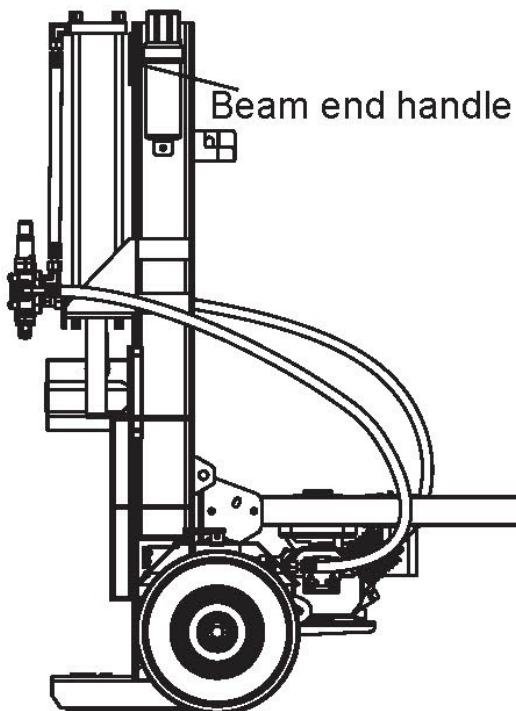
15. Always keep work zone clean and free of split wood and debris.

Operating Instructions

For Horizontal Using

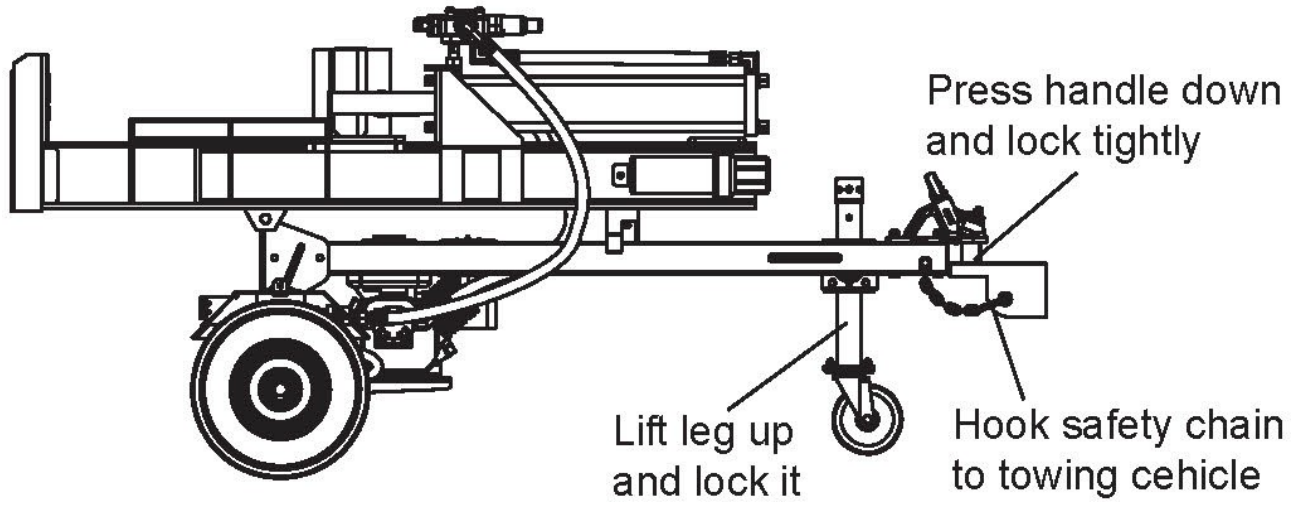


For Vertical Using



1. Pulling beam lock pin
2. Lift the beam at the end side, and Rotate it down slowly

For Vehicle Towing



Maintenance and Storage

CAUTION

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

MAINTENANCE

- Before performing any maintenance, the log splitter must be placed in maintenance mode. Turn off the engine and move the control lever forward and backwards 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 tyres have the RECOMMENDED TYRE PRESSURE.
- Regularly grease axle and wheel bearing area or when needed.
- 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 30 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.

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	
Cylinder rod will not move	SOLUTION: A,D,E,H,J
Slow cylinder rod speed when extending or retracting	SOLUTION: A,B,C,H,I,K,L
Wood will not split or splits extremely slowly	SOLUTION: A,B,C,F,I,K
Engine bogs down during splitting	SOLUTION: G,L
Engine stalls under low load condition	SOLUTION: D,E,L,M
Engine starts problem	SOLUTION: N
Cause	Solution
A -Insufficient oil to pump	Check oil level in reservoir
B -Air in oil	Check oil level in reservoir
C -Excessive pump inlet vacuum	Check pump inlet hose for blockage or kinks
D -Blocked hydraulic lines	Flush and clean the splitter hydraulic system
E -Blocked control valve	Flush and clean the splitter hydraulic system
F -Low control valve setting	Adjust control valve with a pressure gauge
G -High control valve setting	Adjust control valve with a pressure gauge
H -Damaged control valve	Return control valve for authorized repair
I -Internal control valve leak	Return control valve for authorized repair
J -Internal cylinder leak	Return cylinder for authorized repair
K -Internally damaged cylinder	Return cylinder for authorized repair
L -Engine Control out of adjustment	Adjust idle control nuts
M -Engine is loaded during idle down mode	Use shorter log length (26" or less) to allow engine to speed up before contact.
N -Engine operation	Refer to the Engine Owner's Manual

Specifications

Ram Force	30 Ton
Cycle Time	16 Sec
Wedge Size.....	8” Hardened Steel
Hydraulic Tank Capacity.....	12L
Max. Log Length	24” (610mm)
Gear Pump.....	2-Stage
Hydraulic Oil.....	AW32/AW46 Hydraulic Oil
Hydraulic Cylinder	4 1/2” x 23”(115mm x 575mm)
Max. Pressure	3200 PSI
Max. Flow.....	11 GPM
Wheel Size	16” / 4.80 x 8
Hitch Type.....	2” Ball Coupler
Max. Towing Speed.....	72 KM/H
Engine.....	HONDA GX200, HONDA GP200 or Briggs & Stratton 6.5HP

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

Warranty

Limited Warranty

The warranty period for the log splitter is 2 years (Domestic use) and 1 year (commercial use) from the purchase date. The engine has a 3 year warranty. The warranty will not apply to any unit which was not assembled correctly, misused, overloaded or which has been used or operated contrary to our instructions, or which has been repaired or altered by anyone other than an authorized representative.

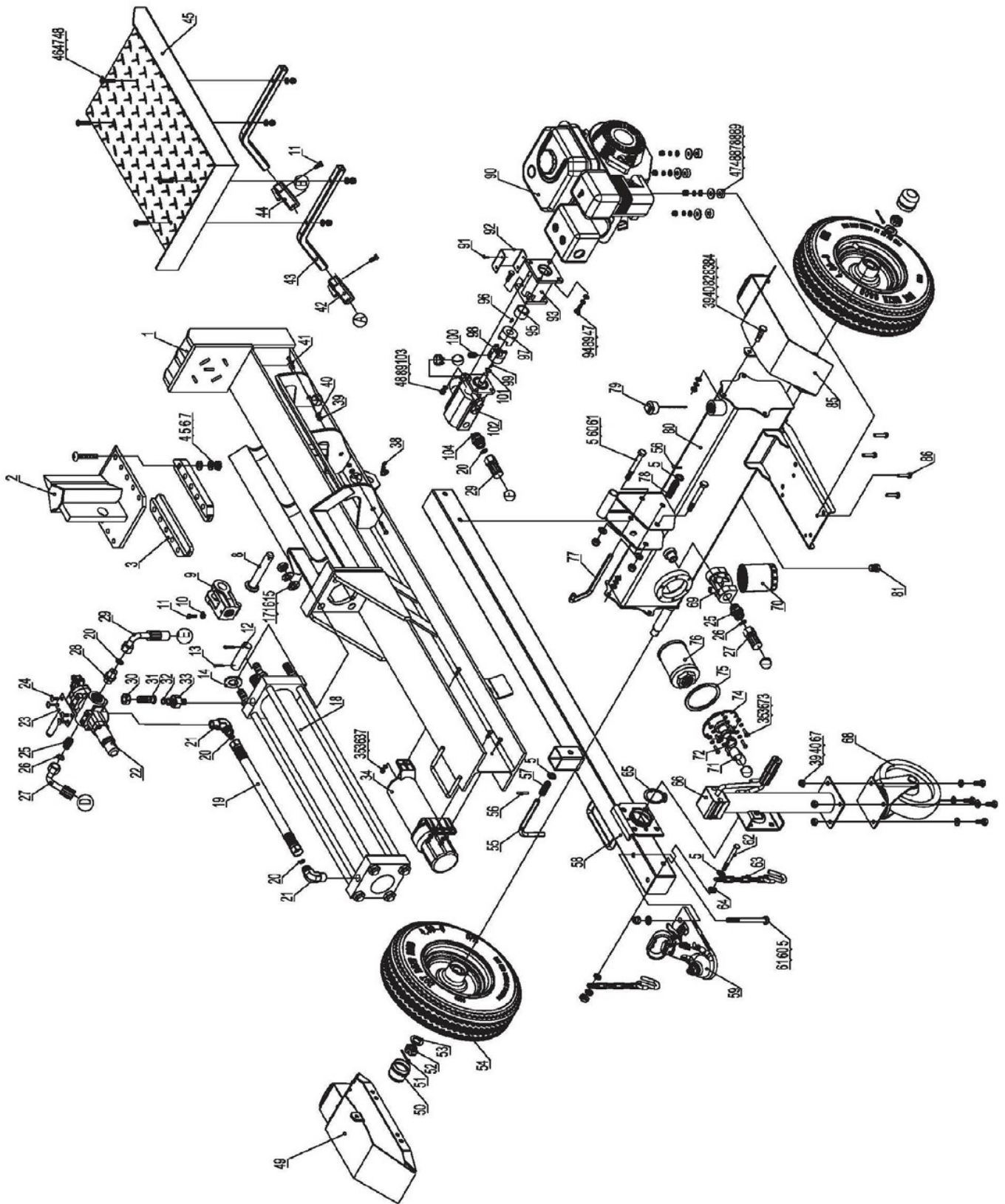
Warranty Exclusions

Warranty will not cover:

- Pieces worn out due to normal wear and tear.
- Misuse, negligence of care, and lack of maintenance.
- Failures due to using non genuine replacement parts.

Warranty will be voided if the machine has been modified in any way.

Parts Illustration List



Parts Illustration List

Ref #	Part No.	Description	Qty
1	BWMLSE300001	Beam Weldment	1
2	BWMLSE300002	Wedge	1
3	BWMLSE300003	Keeper Spacer	2
4	BWMLSE300004	Screw M12x55	10
5	BWMLSE300005	Flat Washer Ø12	18
6	BWMLSE300006	Lock Washer Ø12	10
7	BWMLSE300007	Hex Thick Nut M12	10
8	BWMLSE300008	Hitch Pin	1
9	BWMLSE300009	Piston Head Joint	1
10	BWMLSE300010	Hex Nut M8	1
11	BWMLSE300011	Hex Bolt M8x20	3
12	BWMLSE300012	Wedge Pin	1
13	BWMLSE300013	Cotter Pin Ø4x40	2
14	BWMLSE300014	Adjusting Washer C	/
15	BWMLSE300015	Flat Washer Ø18	4
16	BWMLSE300016	Lock Washer Ø18	4
17	BWMLSE300017	Hex Nut M18	4
18	BWMLSE300018	Cylinder	1
19	BWMLSE300019	Hydraulic Hose (Valve-Cylinder)	1
20	BWMLSE300020	O Ring Ø11x2.5	4
21	BWMLSE300021	Angle Connector	2
22	BWMLSE300022	Control Valve	1
23	BWMLSE300023	Plate	1
24	BWMLSE300024	Screw M8x10	4
25	BWMLSE300025	Oil Return Connector	2
26	BWMLSE300026	O Ring Ø14x2.5	2
27	BWMLSE300027	Hydraulic Hose (Valve-Oil Return Filter)	1
28	BWMLSE300028	Connector	1
29	BWMLSE300029	Hydraulic Hose (Valve-Pump)	1
30	BWMLSE300030	Nut	1
31	BWMLSE300031	Valve B Connector	1
32	BWMLSE300032	O Ring Ø16x2.5	1
33	BWMLSE300033	Cylinder Head Connector	1
34	BWMLSE300034	Manual Canister	1
35	BWMLSE300035	Hex Bolt M6x20	9

Ref #	Part No.	Description	Qty
36	BWMLSE300036	Flat Washer Ø6	9
37	BWMLSE300037	Nylon Lock Nut M6	3
38	BWMLSE300038	R Pin	1
39	BWMLSE300039	Nylon Lock Nut M10	12
40	BWMLSE300040	Flat Washer Ø10	12
41	BWMLSE300041	Hex Bolt M10x50	2
42	BWMLSE300042	Square Tube (Left)	1
43	BWMLSE300043	Table Stand	2
44	BWMLSE300044	Square Tube (Right)	1
45	BWMLSE300045	Log Table	1
46	BWMLSE300046	Screw M8x35	4
47	BWMLSE300047	Flat Washer Ø8	12
48	BWMLSE300048	Nylon Lock Nut M8	12
49	BWMLSE300049	Left Fender	1
50	BWMLSE300050	Axle Cap	2
51	BWMLSE300051	Cotter Pin Ø4x36	2
52	BWMLSE300052	Hex Slotted Nut M20	2
53	BWMLSE300053	Flat Washer Ø20	2
54	BWMLSE300054	Wheel	2
55	BWMLSE300055	Safety Pin	1
56	BWMLSE300056	Cotter Pin Ø3x30	2
57	BWMLSE300057	Spring	1
58	BWMLSE300058	Tow Bar	1
59	BWMLSE300059	Coupling	1
60	BWMLSE300060	Hex Bolt M12x100	4
61	BWMLSE300061	Nylon Lock Nut M12	5
62	BWMLSE300062	Hex Bolt M12x110	1
63	BWMLSE300063	Chain with Hook	2
64	BWMLSE300064	Thick Flat Washer Ø12	2
65	BWMLSE300065	Circlips for Shaft Ø62	1
66	BWMLSE300066	Front Support Leg	1
67	BWMLSE300067	Hex Bolt M10x25	4
68	BWMLSE300068	6" Jockey Wheel	1
69	BWMLSE300069	Aluminum Base	1
70	BWMLSE300070	Filter	1

Ref #	Part No.	Description	Qty
71	BWMLSE300071	Oil Pipe	1
72	BWMLSE300072	Clamp	2
73	BWMLSE300073	Lock Washer Ø6	6
74	BWMLSE300074	Filter Mounting Plate	1
75	BWMLSE300075	Rubber Washer	1
76	BWMLSE300076	Oil Filter	1
77	BWMLSE300077	Safety Pin	1
78	BWMLSE300078	Spring	1
79	BWMLSE300079	Oil Bolt	1
80	BWMLSE300080	Oil Tank	1
81	BWMLSE300081	Oil Plug	1
82	BWMLSE300082	Hex Bolt M10x30	6
83	BWMLSE300083	Rubber 2	6
84	BWMLSE300084	Lock Washer Ø10	6
85	BWMLSE300085	Right Fender	1
86	BWMLSE300086	Hex Bolt M8x65	4
87	BWMLSE300087	Polyurethane Block	4
88	BWMLSE300088	Large Flat Washer Ø10	4
89	BWMLSE300089	Lock Washer Ø8	12
90	BWMLSE300090	Engine	1
91	BWMLSE300091	Hex Bolt M5x10	4
92	BWMLSE300092	Coupling Guard	1
93	BWMLSE300093	Gear Pump Stand	1
94	BWMLSE300094	Hex Bolt M8x25	4
95	BWMLSE300095	Engine Bushing	1
96	BWMLSE300096	5x25 Flat Key	1
97	BWMLSE300097	Engine Coupling	1
98	BWMLSE300098	Gear Pump Coupling	1
99	BWMLSE300099	Flat Key	1
100	BWMLSE300100	Screw M6x10	1
101	BWMLSE300101	Steel Wire Snap Ring for Shaft	1
102	BWMLSE300102	Gear Pump13/1.8	1
103	BWMLSE300103	Hex Bolt M8x30	4

104	BWMLSE300104	Connector	1
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Customer Service:

303 Warrigal Road, Cheltenham, Victoria 3192, Australia

Telephone: 13000 454 585

Website: www.BWMachinery.com.au

Email: admin@bwmachinery.com.au

Spare parts are available from our dealers and our official website