



Petrol Log Splitter - Hercules HPS600

User Manual

[Revision 1.0 April 2020]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.



The product is NOT supplied with engine oil, although traces of oil from the manufacturing process may be present. It is essential to add adequate engine oil of the correct type to the engine before use.

Failure to add engine oil will void the product warranty.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You **CAN** be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol or medication.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors and vents.

General Equipment Use and Care

- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Wherever possible, use a residual current device (RCD).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

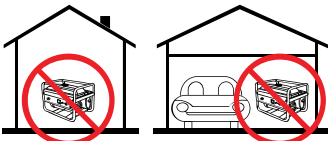
- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

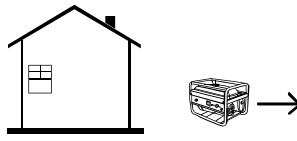
- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

⚠ DANGER ⚠

Using an engine or wood/charcoal/gas fuelled appliance indoors CAN KILL YOU IN MINUTES.
Engine exhaust and wood/charcoal/gas fumes contain carbon monoxide. This is a poison you cannot see or smell.



NEVER use inside a building, home, garage, boat, caravan or tent EVEN IF doors and windows are open.



Only use OUTSIDE and far away from windows, doors, and vents.

Avoid other hazards - READ MANUAL BEFORE USE.

GENERAL:

- Do not operate in a hazardous location. Such areas include where there is a risk of explosion of petrol fumes, leaking gas or explosive dusts.
- Do not operate in a confined area where exhaust gases or wood/charcoal/gas fumes could reach dangerous concentrations.

PRODUCTS FEATURING AN ENGINE

- Follow all warnings in the section titled "GENERAL".
- Explosion hazard - never smoke while refuelling.
- Take care not to spill fuel. When refuelling the engine, ensure that the engine has been allowed to cool. Prevent spilling of fuel as this may also ignite with a hot engine.
- Never refuel while engine is running.

GENERATORS

- Follow all warnings in the sections titled "GENERAL" and "PRODUCTS FEATURING AN ENGINE".
- The output of this generator is potentially lethal. The generator should not be connected to a fixed electrical installation except by an appropriately licensed person.
- Not weatherproof – protect your machine. This machine is not weatherproof and should not be exposed to direct sunlight, high ambient temperature, damp conditions, wet conditions or high humidity conditions.

LOG SPLITTER GENERAL WARNINGS

READ and UNDERSTAND this manual completely before using the 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.
- 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 8 KMH.**
- 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.

OTHER WARNINGS

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.

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 SAE 10W-30 motor oil. See engine manual for engine oil capacity.

Hydraulic Reservoir is Shipped Without Oil. When adding oil verify the oil level using the Oil filter/Dip Stick on the top of hydraulic reservoir if marking is not shown fill to the L line.

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

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 <p>Flammable Material Hazard Flammable liquids, gases or substances etc may present. Avoid ignition sources and open flames. Danger of fire.</p>	 <p>Read User Manual Read and fully understand product safety warnings, operation, procedures etc before using the product.</p>	 <p>Use Hand Protection Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.</p>	 <p>Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>
 <p>Electrocution / Electrical Shock Hazard High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.</p>	 <p>Toxic Fumes / Dust Hazard Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.</p>	 <p>Explosive Material Hazard Combustible liquids, gases or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.</p>	 <p>Cutting / Amputation Hazard The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.</p>
 <p>Crush Hazard The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Single Operator Only The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.</p>	 <p>Use Face Protection Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.</p>	 <p>Use Foot Protection Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.</p>
 <p>Use Eye / Ear / Head Protection Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing and head hazards.</p>	 <p>Running Hazard Do not run on or near the product as doing so may present a fall hazard.</p>	 <p>Diving Hazard Do not dive into the product as doing so may present a neck / head injury hazard.</p>	 <p>Adult Supervision Required Always supervise children and other users of a product to prevent drowning or injury.</p>
 <p>Skin Penetration / Puncture Hazard The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.</p>	 <p>Hot Surface Hazard Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.</p>	 <p>Flying Debris Hazard Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.</p>	 <p>Moving Parts Hazard Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.</p>
















 <p>Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>	 <p>Pull Hazard Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Slope / Fall Injury Hazard Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.</p>	 <p>"Slam Dunk" Warning Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.</p>
 <p>Electrocution / Electrical Shock Hazard - Outdoor High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp or wet conditions. Electrical shock can be fatal.</p>	 <p>Electrocution / Electrical Shock Hazard - Disconnect High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.</p>	 <p>Power Line Electrocution Hazard High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</p>	 <p>"Kick-Back" Hazard High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.</p>
 <p>Winch Operator Position Hazard Do NOT stand between winch and load. Do NOT use winch to move people.</p>	 <p>Winch Lift Hazard Do NOT LIFT load vertically. Use machine to PULL only.</p>	 <p>Cable Hazard Ensure that load bearing cable is not kinked or knotted.</p>	 <p>Winch Cable Hazard Ensure that there is a minimum number of cable coils on winching mechanism.</p>
 <p>Winch Hook Hazard Carry hook to load – do NOT throw or run.</p>	 <p>Flash / Blinding Hazard Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.</p>	 <p>Laser Hazard Laser may be in use – do NOT look directly at laser or allow others to.</p>	

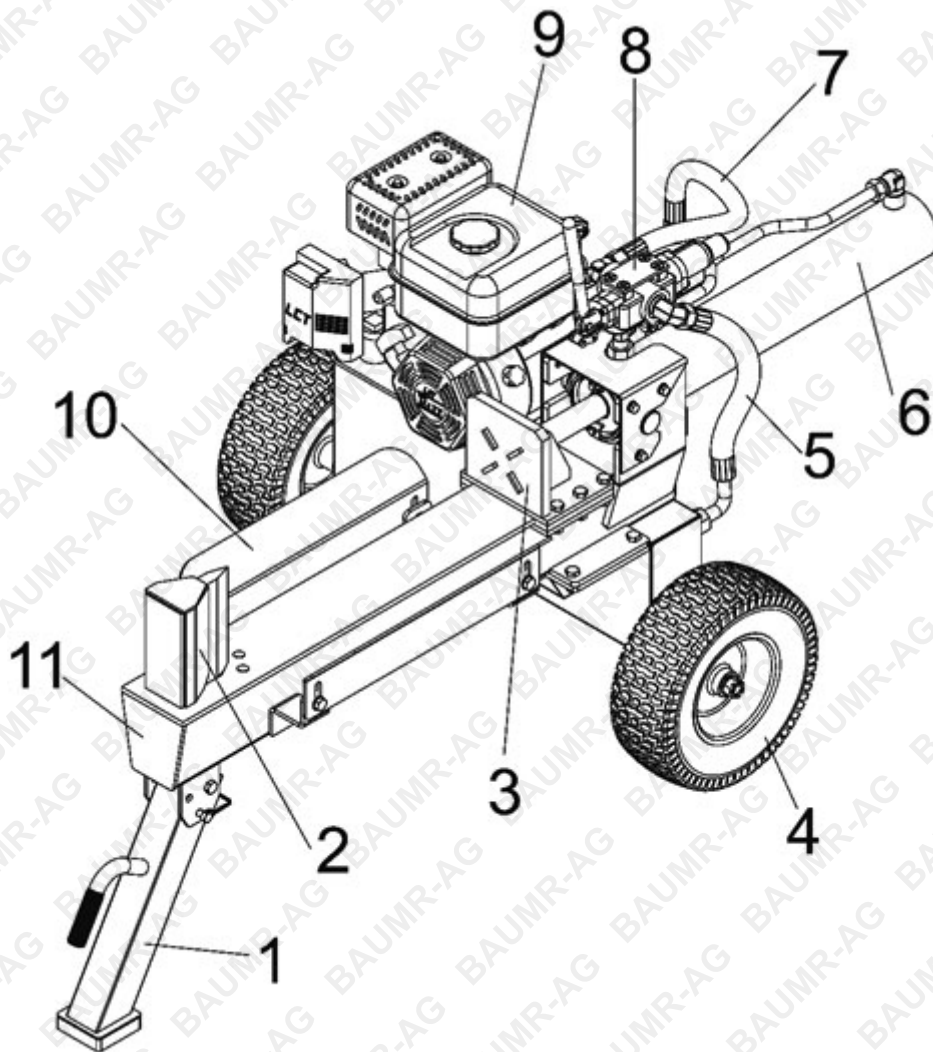
Table of Contents

Safety	2
Safety Symbols	5
Parts Identification	8
Controls and Features	8
Parts Drawing and Parts List	9
Assembly	12
Operation	17
Using Your Log Splitter	17
Maintenance	19
Storage	19
Troubleshooting	20
Specifications	21

Parts Identification

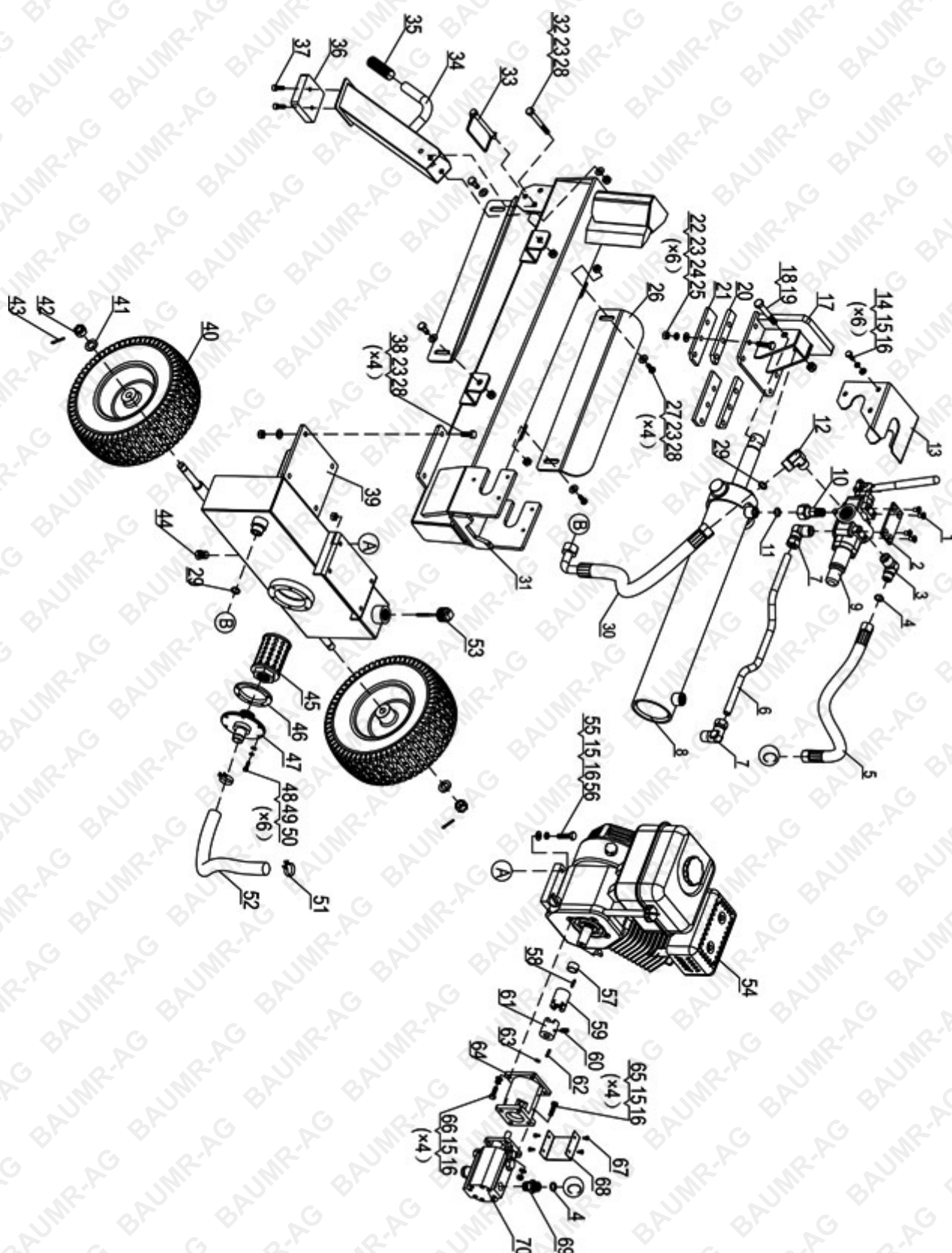
Read this owner's manual before operating the equipment. Familiarise yourself with the location and function of the controls and features. Save this manual for future reference.

Controls and Features



No.	Name	No.	Name
1	Support leg assembly	7	Oil inlet hydraulic hose
2	Wedge	8	Control valve
3	Push plate	9	Engine
4	Tyre / Wheel assembly	10	Log cradle
5	Oil return hydraulic hose	11	Beam
6	Hydraulic cylinder		

Parts Drawing and Parts List



Ref#	Description	Qty.
1	Cross Recessed Pan Head Screws M8x10	4
2	Valve Plate	1
3	Angle Connector	1
4	O Ring Ø11x2.5	2
5	Hydraulic Hose <valve – gear pump>	1
6	Metal Hose	1
7	Connector	2
8	Cylinder	1
9	Control Valve	1
10	Combination Connector	1
11	O Ring Ø15x2.5	1
12	Angle Connector (oil return)	1
13	Cylinder Cover	1
14	Hex Bolt M8x20	6
15	Lock Washer Ø8	18
16	Flat Washer Ø8	14
17	Push Plate	1
18	Hex Bolt M12x80	1
19	Nylon Lock Nut M12	1
20	Clamp Plate	2
21	Pressure Plate	2
22	Hex Bolt M10x40	6
23	Flat Washer Ø10	15
24	Lock Washer Ø10	6
25	Hex Nut M10	6
26	Log Cradle	2
27	Hex Bolt M10x25	4
28	Nylon Lock Nut M10	9
29	O Ring Ø17x2.5	2
30	Hydraulic Hose <valve – tank>	1
31	Beam Assembly	1
32	Hex Bolt M10x90	1
33	Lock Pin	1
34	Support Leg	1
35	Hand Grip	1
36	Rubber Pad	1
37	Hexagon Socket Cap Screw M8x25	2

Ref#	Description	Qty.
38	Hex Bolt M10x30	4
39	Oil Tank Assembly	1
40	Wheel	2
41	Flat Washer Ø16	2
42	Hex Slotted Thin Nut M16	2
43	Cotter Pin Ø4x30	2
44	Oil Plug	1
45	Oil Filter	1
46	Rubber Washer	1
47	Oil Filter Mounting Plate	1
48	Hex Bolt M6x20	6
49	Lock Washer Ø6	6
50	Flat Washer Ø6	6
51	Clamp	2
52	Clear Oil Pipe	1
53	Oil Bolt	1
54	Engine	1
55	Hex Bolt M8x40	4
56	Nylon Lock Nut M8	8
57	Engine Bushing	1
58	Engine Flat Key	1
59	Engine Coupling	1
60	Set Screw M6x10	1
61	Gear Pump Coupling	1
62	Pump Flat Key	1
63	Circlip for Shaft	1
64	Gear Pump Stand	1
65	Hex Bolt M8x30	4
66	Hex Bolt M8x25	4
67	Hex Bolt M5x10	4
68	Coupling Cover	1
69	Pump Outlet Connector	1
70	Gear Pump 13/1.8	1

Assembly



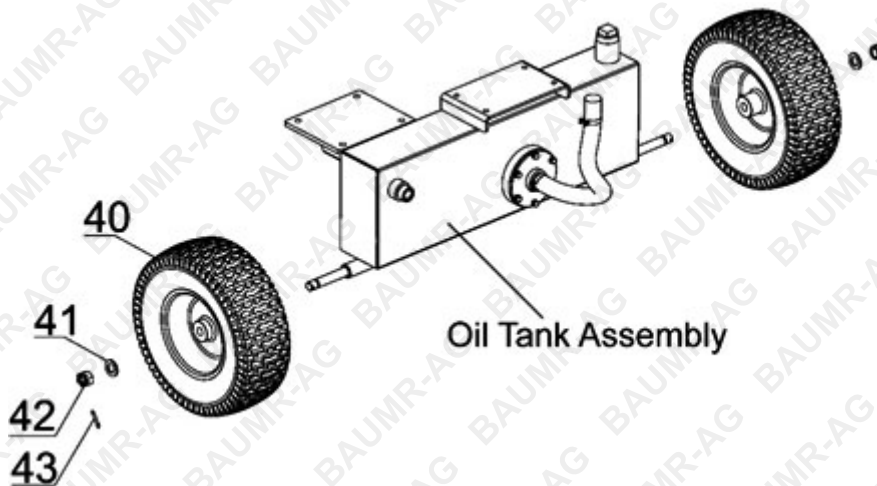
NOTE: Set the shipping crate on a solid flat surface and carefully remove the lid. Use two people and take all parts out of the shipping crate and inspect the components to ensure there are no missing pieces before starting to assemble the log splitter. Follow steps 1 through 9.

TOOLS REQUIRED

- Rubber or Wooden Hammer
- 13 mm, 17 mm and 19 mm Wrenches
- Flathead Screwdriver
- Large Adjustable Wrench
- Nipper Plier

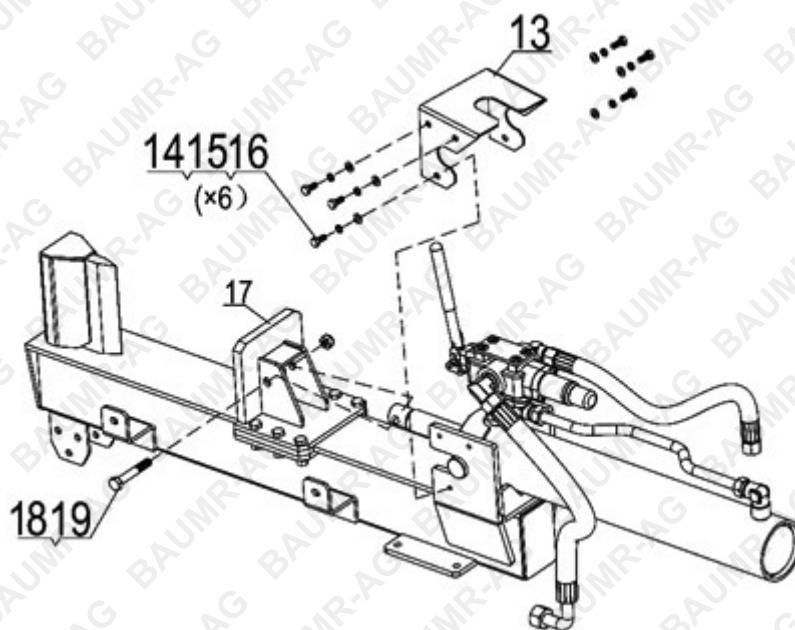
STEP 1: Wheel Assembly

Attach the wheel (40 #) to the oil tank assembly using flat washer Ø16 (41 #), hex slotted thin nut M16 (42 #). After making sure that the wheel can rotate smoothly, insert cotter pin Ø4x30 (43 #).



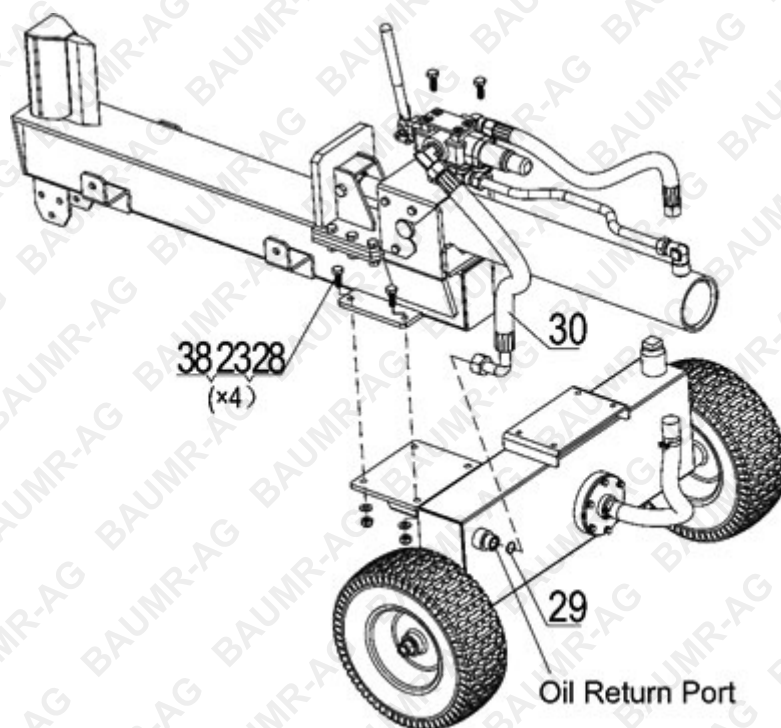
STEP 2: Attach Beam and Cylinder

1. Attach the cylinder assembly to the beam and secure with cylinder cover (13 #) by using hex bolt M8x20 (14 #), lock washer Ø8 (15 #), and flat washer Ø8 (16 #). Tighten the bolts.
2. Attach the push plate (17 #) to the piston rod of cylinder by using hex bolt M12x80 (18 #) and nylon lock nut M12 (19 #). Tighten the bolt and nut.



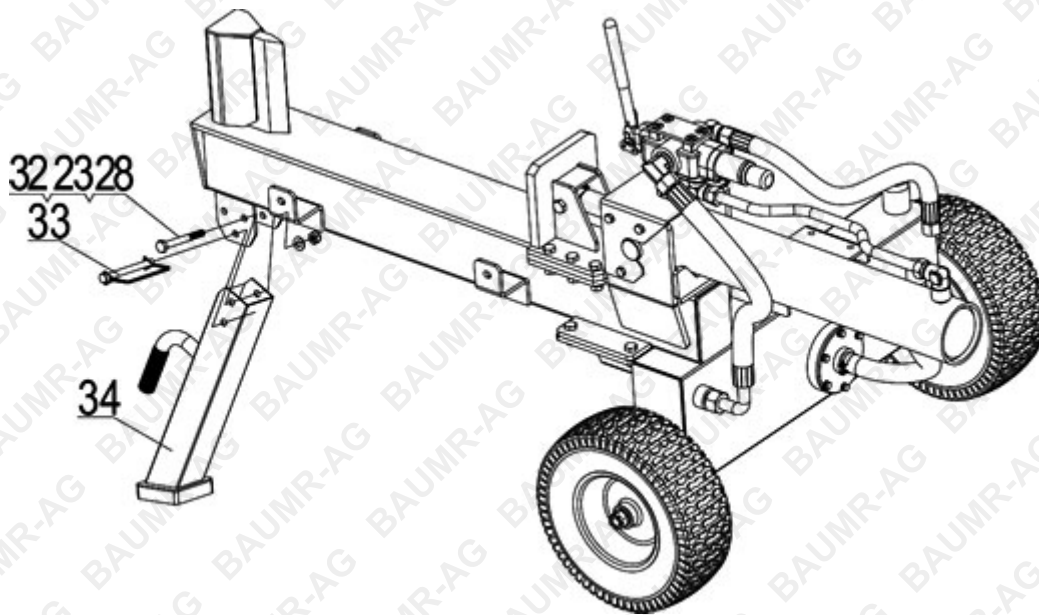
STEP 3: Attach Beam Assembly & Tank Assembly

1. Attach the beam assembly to the oil tank assembly by using hex bolt M10x30 (38 #), flat washer Ø10 (23 #) and nylon lock nut M10 (28 #). Tighten the bolts.
2. Put the O Ring 17x2.5 (29 #) to the oil return port on oil tank, attach the hydraulic hose (30 #) to the oil return port on tank and tighten.



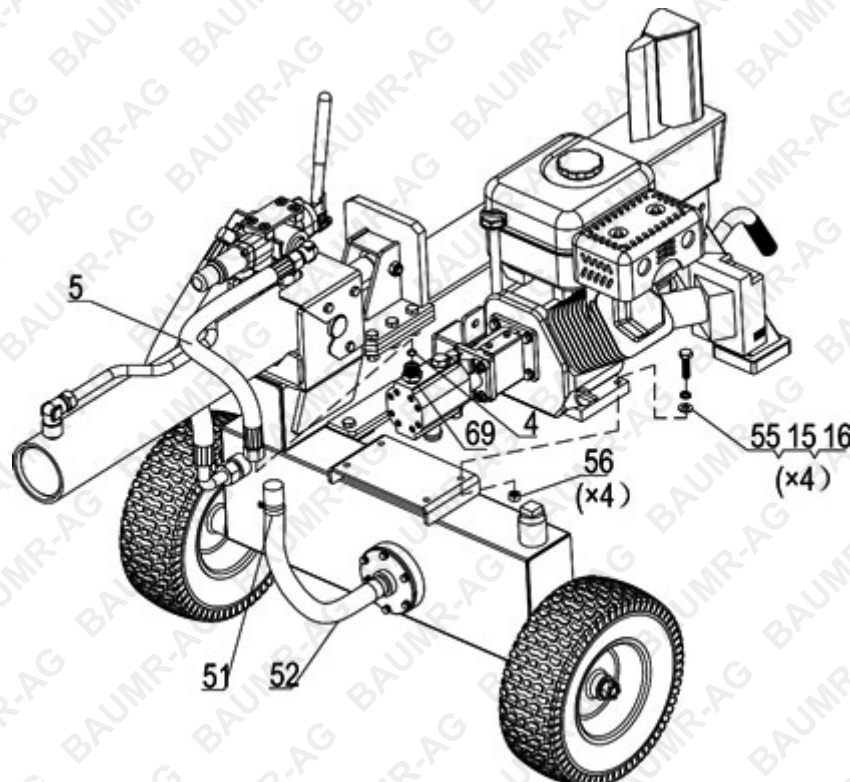
STEP 4: Attach the Support Leg and the Beam

Attached the support leg (34 #) to the front of beam by using hex bolt M10x90 (32 #), flat washer Ø10 (23 #) and nylon lock nut M10 (28 #) and tighten the bolts. Then insert the lock pin (33 #).



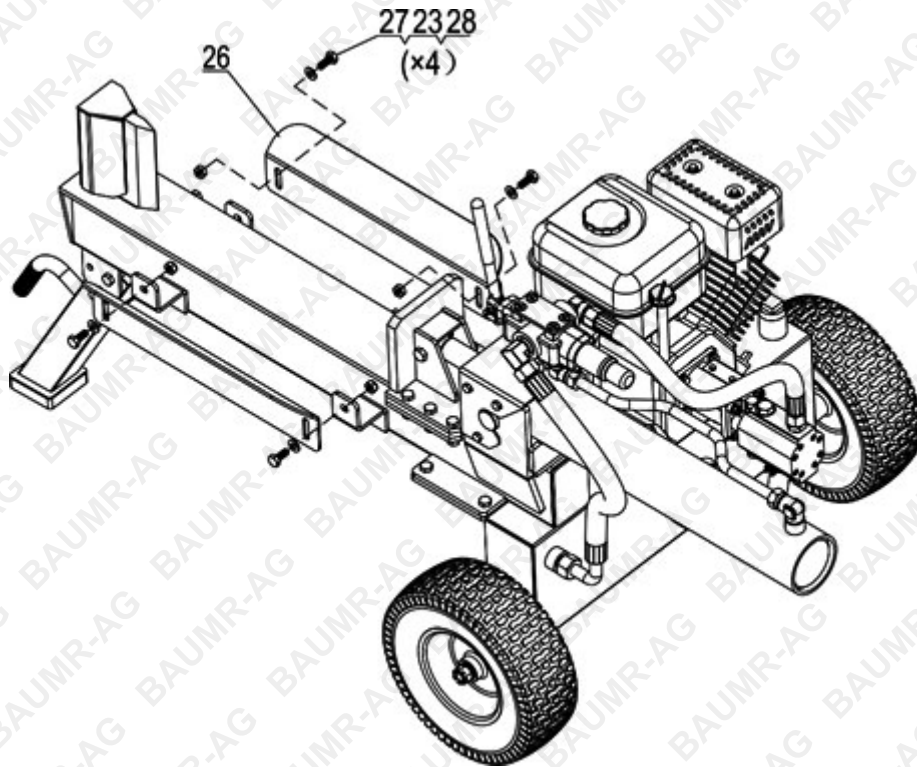
STEP 5: Attach the Engine

1. Attach the engine to the engine plate on oil tank, secure with hex bolt M8x40 (55 #), lock washer Ø8 (15 #), flat washer Ø8 (16 #) and nylon lock nut M8 (56 #). Tighten the bolts.
2. Attach the clear oil pipe (52 #) to the inlet port on gear pump, tighten with clamp (51 #).
3. Put the O Ring 11x2.5 (4 #) on the outlet port of gear pump, tighten the hydraulic hose (5 #) to the outlet port on gear pump.



STEP 6: Attach the Log Cradle and Beam

Attach the log cradle (26 #) to the sides of beam by using hex bolt M10x25 (27 #), flat washer Ø10 (23 #) and nylon lock nut M10 (28 #). Tighten the bolts.

**STEP 7: Add Engine Oil**

1. Make sure the log splitter is on a level surface.
2. Remove oil fill cap/dipstick to add oil.
3. Refer to the separate owner's engine manual for the amount needed of 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 8: Add Gasoline to the Engine

1. Use only clean, fresh, regular unleaded fuel with a minimum 86 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 colourless, 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 vapours are highly flammable and extremely explosive. • Fire or explosion can cause severe burns or death. • Unintentional start-up can result in entanglement, traumatic amputation or laceration. • Only use regular unleaded gasoline with a minimum 86 octane rating. • DO NOT mix oil and gasoline together. • Fill tank approximately 1/4" 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 reservoir.
3. Add 2.5 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 0°C/32°F (all units are tested and have excess oil in the ram).

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 pressurised. 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.

Operation



• **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. • **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.



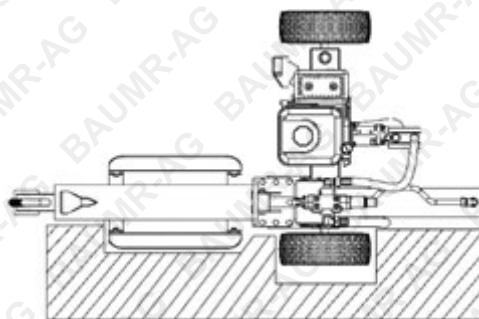
TYRE WARNING: • **DO NOT** over inflate tyres. Serious injury can result if tyres explode. • **DO NOT** tow the log splitter if the tyres are worn or will not hold air. • **DO NOT** exceed the maximum 8 kph towing speed.

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 check the ball coupler and wheels to make sure all hardware is secure before towing. • Before towing a long distance, check to make sure the axle nuts and pins are tight and securely in place. • 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 8 kph. • 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 -12°C before starting the engine. Cold hydraulic oil can damage the hydraulic pump. If outdoor air temperature is below 0°C allow the log splitter to warm up by extending and returning the wedge several times before splitting wood.

9. Put support leg in the down position to prevent the log splitter from moving during operation and block both tires.
10. Set the log splitter in horizontal position.
11. Load a log onto the beam against the wedge (Max. Log Length – 53cm/21")
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.

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13. Push control lever FORWARD by one hand to split the log.
 14. Push control lever BACKWARD by one hand to return push plate 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 is still stuck, embedded or will not split, turn the machine off and use a sledgehammer and crowbar to remove the log. • ALWAYS keep hands clear of the log and wedge while it is retracting.

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

Maintenance

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

- Before performing 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 tires have the **RECOMMENDED TYRE PRESSURE**.
- Regularly grease axle and wheel bearing area or when needed.
- After the wheel bearings have been greased make sure the axle nuts and pins are in place and secure.
- Periodically check all fasteners and hoses for tightness and leaks.
- Annually clean and lightly lubricate all moving parts or when needed.
- Use a glossy enamel spray paint to touch up scratched or worn painted metal surfaces.
- Never exceed the load capacity rating. Otherwise, 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 in a 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

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 (53cm/21" or less) to allow engine to speed up before contact.

Specifications

Max. Splitting Force	20 Tonnes
Engine	6.5HP Petrol 4-Stroke 220cc / 6.5HP
Max. Splitting Log Length	540mm*
Length of Ram	490mm*
Diameter of Ram	90mm*
Max. Ram Travel	490mm*
Wedge	160mm hardened steel
Log Diameter	50-300mm* (species dependent - view Buying Guide)
Cycle Time	11 sec
Hydraulic Oil Capacity	11L
Hydraulic Oil Type	AW32, AW46 & universal hydraulic oil
Engine Oil Type	10w-30 / 10w-40 / 15w-30 / 15w-40 non-synthetic engine oil (not included with purchase)
Hydraulic Seal	Patented Baumr-AG Sure-Seal™ system
Hydraulic Operating Pressure	3700 psi
Tyres	13 Inch Pneumatic
Fuel Type	Regular Unleaded 95+RON

Note: Shipped in a high-quality crate (assembly required). For more information about selecting the right log splitter view the [Buying Guide](#).



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

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