

IMPORTANT SAFETY INFORMATION

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and their explanations, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.



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 indicates a hazardous situation which, if not avoided, will result in serious injury or death.



WARNING indicates a hazardous situation which, if not avoided, could result in serious injury or death.



CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



NOTICE is used to address practices not related to personal injury.

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, including garages, basements, crawlspaces and sheds, enclosure or compartment.
- DO NOT allow exhaust fumes to enter a confined area through windows, doors, vents or other openings.
- Using an engine indoors **CAN KILL YOU IN MINUTES**. Engine exhaust contains carbon



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monoxide. This is a poison you cannot see or smell.

- **NEVER** use inside a home or garage, **EVEN IF** doors and windows are open.
- **ONLY** use **OUTSIDE** and far away from windows, doors, and vents.
- Rotating parts can entangle hands, feet, hair, clothing and/or accessories. Traumatic amputation or severe laceration can result.
- Keep hands and feet away from rotating parts.
- Tie up long hair and remove jewelry.
- Operate equipment with guards in place.
- DO NOT wear loose-fitting clothing, dangling drawstrings or items that could become caught.

WARNING

- Operation of this equipment may create sparks that can start fires around dry vegetation.
- A spark arrestor may be required. The operator should contact local fire agencies for laws or regulations relating to fire prevention requirements.
- Sparks can result in fire or electrical shock.

- When servicing the engine: Disconnect the spark plug wire and place it where it cannot contact the plug. DO NOT check for spark with the plug removed. Use only approved spark plug testers.
- Running engines produce heat. Severe burns can occur on contact. Combustible material can catch fire on contact.
- DO NOT touch hot surfaces.
- Allow equipment to cool before touching.
- Maintain at least 91.4 cm of clearance on all sides to ensure adequate cooling.
- Maintain at least 1.5 m of clearance from combustible materials.
- Crush Hazard. Wedge can cut through skin and break bones. Keep all limbs away from wedge and endplate.
- Projectile Hazard. Pieces of log may be ejected from the splitter while operating. Wear ANSI approved safety glasses when operating. Be alert.
- Keep Operator Work Zone Clear. Keep work zone clear of debris while working to ensure safe footing.
- Before removing the pin installed into the front support leg make



sure hitch is installed onto vehicle. Releasing the pin before will cause support leg to slide up and possibly cause injury.

- Skin Injection Hazard. High pressure hydraulic oil can inject under your skin.
- Make sure all fittings are tightly secure before applying pressure. Relieve system of pressure before servicing.
- For Horizontal Towing. Lock the rear outrigger in up position. Fold the jockey wheel and hook to tow vehicle.
- Rapid retraction of the starter cord will pull hand and arm towards the engine faster than you can let go. Unintentional startup can result in entanglement, traumatic amputation or laceration. Broken bones, fractures, bruises or sprains could result.
- When starting engine, pull the starter cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- Parts of the hydraulic circuit (cylinder, pump, valve-body, hoses) can become very hot during operation.

CAUTION

- Improper treatment or use of the log splitter can damage it, shorten its life and void your warranty.
- Use the log splitter only for intended uses.
- Operate only on level surfaces.
- DO NOT expose log splitter to excessive moisture, dust, or dirt.
- DO NOT allow any material to block the cooling slots.
- DO NOT use the engine if: Equipment sparks, smokes or emits flames. Equipment vibrates excessively.

FUEL SAFETY

Petrol and petrol vapors:

- Petrol is highly flammable and explosive.
- Petrol can cause a fire or explosion if ignited.
- Petrol is a liquid fuel but its vapors can ignite.
- Petrol is a skin irritant and needs to be cleaned up immediately if spilled on skin or clothes.



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- Petrol has a distinctive odor; this will help detect potential leaks quickly.
- In any petroleum gas fire, flames should not be extinguished unless by doing so the fuel supply valve can be turned OFF. This is because if a fire is extinguished and a supply of fuel is not turned OFF, then an explosion hazard could be created.
- Petrol expands or contracts with ambient temperatures. Never fill the petrol tank to full capacity, as petrol needs room to expand if temperatures rise.

When adding or removing petrol:

- ✓ Turn the engine off and let it cool for at least two minutes before removing the cap. Loosen the cap slowly to relieve pressure in the tank.
- ✓ Only fill or drain petrol outdoors in a well-ventilated area.
- ✓ DO NOT pump petrol directly into the engine at the gas station. Use an approved container to transfer the fuel to the engine.
- ✓ DO NOT overfill the petrol tank.

- ✓ Always keep petrol away from sparks, open flames, pilot lights, heat and other sources of ignition.
- ✓ DO NOT light or smoke cigarettes.

When starting the engine:

- ✓ DO NOT attempt to start a damaged engine.
- ✓ Make certain that the cap, air filter, spark plug, fuel lines and exhaust system are properly in place.
- ✓ Allow spilled petrol to evaporate fully before attempting to start the engine.
- ✓ Make certain that the log splitter is resting firmly on level ground.

When operating the log splitter:

- ✓ DO NOT move or tip the log splitter during operation.
- ✓ DO NOT tip the log splitter or allow fuel or oil to spill.



When storing the log splitter:

- ✓ Store away from sparks, open flames, pilot lights, heat and other sources of ignition.
- ✓ Do not store log splitter or petrol near furnaces, water heaters, or any other appliances that produce heat or have automatic ignitions.

TRAINING

1. Read the **Operator's Manual** completely before attempting to use this log splitter.
2. Do not allow anyone to operate your log splitter who has not read the Operator's Manual or has not been instructed on the safe use of the log splitter.
3. Never allow children or untrained adults to operate this machine.
4. Many accidents occur when more than one (1) person operates the log splitter. If a helper is assisting in loading logs to be split, never actuate controls until helper is clear of the area.
5. Never allow anyone to ride on the machine.

6. High fluid pressures are developed in hydraulic log splitters. Pressurized hydraulic fluid escaping through a pin hole opening can puncture skin and cause severe blood poisoning. Therefore, the following instructions should be heeded at all times.

6a. Do not operate the unit with frayed, kinked, cracked or damaged hoses, fittings, or tubing.

6b. Stop the engine and relieve hydraulic system pressure before changing or adjusting fittings, hoses, tubing, or other system components.

6c. Do not adjust the pressure settings of the pump or valve.

6d. Do not check for leaks with your hand. Leaks can be detected by passing cardboard or wood over the suspected area. Look for discoloration. If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

7. Keep the operator zone and adjacent area clear for safe, secure footing.

8. If your log splitter is equipped with an internal-combustion engine and intended for use near any unimproved forest, brush, or grass



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covered land, the engine exhaust should be equipped with a spark arrestor. Make sure you comply with local, state, and federal codes. Take appropriate fire-fighting equipment with you.

9. Log splitters should be used only for splitting wood. Do not use for other purposes unless the manufacturer provides attachments and instructions.

10. Only split wood WITH the grain. NEVER split perpendicular to the grain.

PREPARATION

1. Be thoroughly familiar with all controls and with proper use of the equipment.

2. Safety Gear:

2a. Always wear safety shoes or heavy boots when operating the machine.

2b. Always wear face shield when operating the machine.

2c. Never wear jewelry or loose-fitting clothing that might become entangled in moving or rotating parts of the machine.

3. Make sure the splitter is on a level surface. Block tires and ensure support leg is secure to prevent unintended

movement of the log splitter during operation.

3a. Always operate the splitter from the manufacturer's indicated operator zone.

4. Logs to be split on ram-type units should be cut as squarely as possible.

5. Fuel:

5a. Use an approved fuel container.

5b. Never add fuel to a running or hot engine.

5c. Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors.

5d. Replace the cap securely and clean up any spilled fuel.

OPERATION

1. Before starting this log splitter, review all safety rules. Failure to follow these rules may result in serious injury to the operator or bystanders.

2. Be sure to confirm all hose connections and hose clamps are tight before each use. It is possible for connections to vibrate loose over time.

3. Never leave the machine unattended with the power source operating.



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4. Never operate the machine when under the influence of alcohol, drugs or medication.
5. The machine owner should instruct all operators in safe log splitter operation.
6. Always operate the log splitter with all safety equipment in place and all controls properly adjusted for safe operation.
7. Always operate the log splitter at manufacturer's recommended speed.
8. Always keep hands and feet clear of moving parts.
9. When loading a ram-type log splitter, place your hands on the sides of the log, not the ends. Never place your hands or any part of your body between a log and any part of the log splitter.
10. On ram-type log splitters, never attempt to split more than one (1) log at a time unless the ram has been fully extended and a second log is needed to complete the separation of the first log.
11. On ram-type log splitters on which the logs are not cut square, the longest portion of the log should be rotated down and the squarest end placed against the ram.
12. Only split logs with the grain of the wood.

13. Use only your hand to operate the log splitter controls.
14. Do not refuel the engine until it has cooled for several minutes.

Guides on How to Split the Wood in the Log Splitter

- ✓ Take Proper Safety Precautions. Before you start splitting wood, it is imperative you prepare yourself first. We recommend wear long pants and working boots. Wearing gloves and face shield is also important to protect your hands and your face respectively. Chopping would be seeming like a simple task but flying shards of wood and splinters can result in injuries. Follow these safety guidelines to prevent mishaps and accidents.

Position The Splitter Near the Wood. Place the log in the log splitter lifting table.

- ✓ Ensure The Splitter Is Positioned Correctly. Ensure the splitter is on flat, level ground. The machine should be in no danger

of tipping or rolling over. Not only will this damage the machine but can lead to dangerous consequences. Ensure that you have plenty of room to stand while so you can comfortably work with the machine.

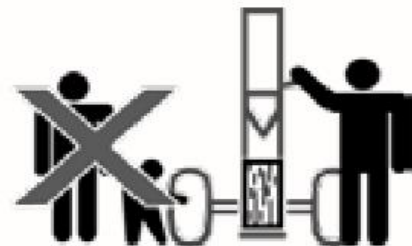
- ✓ Switch On the Machine. Once you have set up the splitter, it is time to turn it on. Ensure the valve that operates the cylinder has been turned off and ensure there is petrol in the engine before you fire it up.
- ✓ Load The Splitter. For vertical using, take out the lock pin and lift the beam at the end. For horizontal using, place the wood on the bed.
- ✓ Activate The Valve. It's time to turn on the valve. This will cause the machine to push the log into the splitting wedge. After the log is split, you must return the valve in order to retract the cylinder.
- ✓ Remove The Split Log. Once the log has been split, remove it from the bed and repeat the process until you are done cutting all of your firewood.

How to Cut the Woods Do's and Don'ts

- ✓ When turning the valve on, keep your other hand by your side or behind your back when splitting logs.



- ✓ Keep clear. To avoid injury, always stand behind the machine at the controls area before operating the ram.
- ✓ By Standers. Keep bystanders, helpers and children at least 25 feet away.



- ✓ Single Operator. Only one person should operate the machine at a time. The adult who loads and stabilizes the log must be the person who operates control handle.



flame spark. Allow the engine to cool before storing in any enclosure.

4. Clear debris from movable parts, but only when the power source is shut off.
5. Check to be sure all nuts and bolts are tight to assure the equipment is in safe working condition.
6. Check the grub screw as vibration can cause losses and coupling can disengage from the engine coupling. If the grub screw loses, add lock tight adhesive. Remove four screws from the cover to access.

MAINTENANCE AND STORAGE

1. Always shut off the power source while repairing or adjusting the splitter except as recommended by the manufacturer.
2. Clean debris and chaff from the engine cylinder, cylinder head fins, recoil starter cover, and muffler areas. If the engine is equipped with a spark arrestor muffler, clean and inspect it regularly (follow manufacturer's service instructions). Replace, if damaged.
3. Never store the unit indoors with fuel in the tank. Fumes might reach an open



Safety Symbols

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to more safely operate the product.



Read Operator's Manual. To reduce the risk of injury, user must read and understand operator's manual before using this product.



Eye and Ear Protection. Always wear faceshield as well as full ear protection when operating this product



Footwear. Always wear safety shoes or heavy boots when operating the machine.



Gloves. Always wear non-slip, heavy duty protective gloves when operating this product.



Safety Alert. Precautions that involve your safety.



Risk of Fire. Fuels and its vapor are extremely flammable and explosive. Fire can cause severe burns or death. Do not add fuel while the product is operating or still hot.



Skin Injection Hazard. High pressure hydraulic oil can inject under your skin. Make sure all fittings are tightly secure before applying pressure. Relieve system pressure before servicing.



Always keep hands away from the wedge and the ram. Moving parts can crush or cut.



Always keep feet away from the wedge and the ram. Moving parts can crush or cut.



Hot Surface. To reduce the risk of injury or damage, avoid contact with any hot surface.



Open Flame Alert. Fuel and vapors are extremely flammable and explosive. Keep fuel away from smoking, open flames, sparks, pilot lights, heat and other ignition sources.



Hold logs on sides when loading. Keep hands and feet away from cylinder, wedge and partially split logs.



Never place hands or any part of the body between a log and any part of the log splitter. Do not split logs against the grain. Split logs end to end in the direction of the grain only.



Toxic Fumes. The engine exhaust from this product contains chemicals known to

cause cancer and birth defects and other reproductive harm.

Risk of Asphyxiation. This engine emits carbon monoxide, an odorless, colorless, poison gas. Breathing carbon monoxide can cause nausea, fainting or death. Use only in a well ventilated area.



Clearance. Keep all objects including others at least 10 feet (3m) from this machine. Only one person should operate the log splitter and load the logs.



Never operate on an incline. Make sure the splitter is on a level surface. Block tires and ensure support leg is secure to prevent unintended movement of the log splitter during operation.