

THE
BARRETO
MODELS 620LS-922LS SERIES
HYDRAULIC LOG SPLITTER

CONGRATULATIONS!

You are now the proud owner of a BARRETO log splitter. Please take a moment of your time to look over the following information. Familiarize yourself with the log splitter, its characteristics, and method of operation. Pay particular attention to the safety and operating instructions.

If you have any questions or need any replacement parts in the future, please contact us at your convenience. Our toll-free phone number, fax and email are listed below.

THANK YOU for your patronage and confidence in BARRETO equipment.

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ASSEMBLY INSTRUCTIONS

1. Remove log splitter from shipping crate.
2. Fasten tongue to frame using two 1/2" x 4" bolts supplied.
3. Check reservoir according to instructions in "Service Information" following.
4. Fill engine with fuel and oil according to the engine manual.

SERVICE INFORMATION

1. Check reservoir level using sight glass on the front of the tank. If required, add to reservoir with tractor transmission hydraulic oil (Shell DONAX TD FLUID or comparable). Recheck oil level after the log splitter has been run and oil has been circulated through the hydraulic system. Routinely check level thereafter. **DO NOT OVERFILL THE TANK.**
2. Change the hydraulic oil filter after the first 50 hours of use. Change it after every 200 hours thereafter.
3. Add some hydraulic oil to the reservoir with each oil filter change.
4. Check all hydraulic fittings for leaks and tighten if necessary.
5. The grease zerk on both swing arm pivot pins should be greased once a week or so, depending upon use.

IMPORTANT: The engine is normally serviced prior to shipping. However, shipping regulations may prohibit this. Check levels and add oil and fuel as required before starting. Service according to the engine manual before starting.

WARNING: Running the log splitter without hydraulic oil will cause serious damage to the hydraulic pump. **CHECK RESERVOIR LEVEL BEFORE STARTING THE MACHINE.**

BREAK IN PROCEDURE

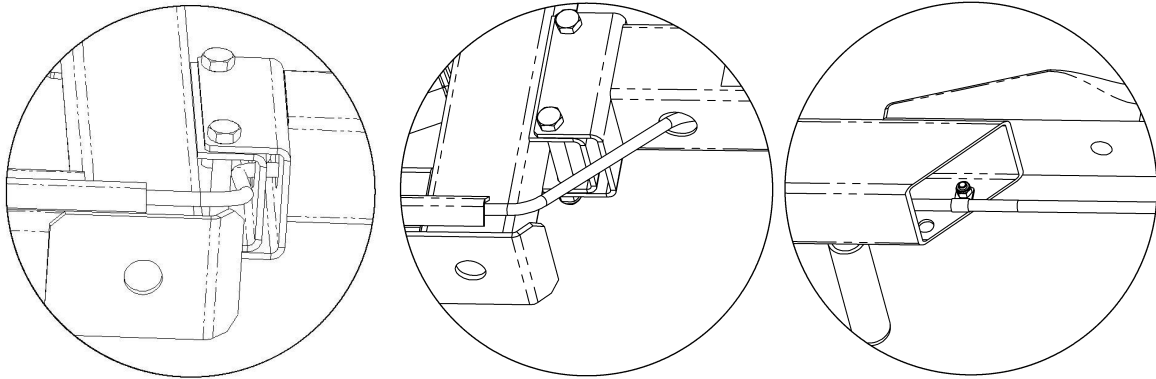
KEEP ALL PERSONNEL CLEAR OF MACHINE DURING BREAK IN TO PREVENT INJURY!!

Before using log splitter, let the engine run for 30 minutes at half throttle. Work the hydraulic cylinder out and in without splitting any wood.

WIRING THE OPTIONAL LIGHTS

All parts required are provided (except the “truck plug”) in the optional lighting kit for connecting to the towing vehicle.

Route the longest wire cable (4 stranded wires in a sheath) through the shielded cable run on the right side of the frame, then through the tongue. The far left diagram is for tongues made prior to the wiring hole in the bottom of the tube (middle diagram). Secure with cable clamp at front of tongue tube as shown in right diagram.

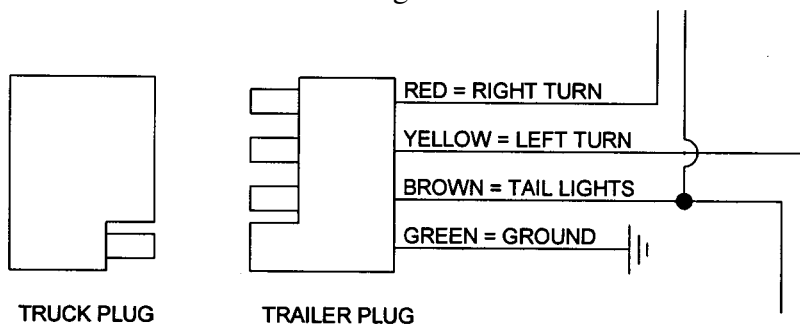


Route the shorter wire cables through shielded cable runs on the bottom of the frame (under the hydraulic fluid tank). The 36” cable goes to the right hand light, and the 41” cable to the left hand light.

Using quick splices, connect stranded wires between the cable and each tail light. Match the brown wires for the tail lamps. Green wires are for ground. The red wire for the RH turn signal connects to the red wire in the cable. The **red** wire for the **LH turn signal** connects to the **yellow** wire in the cable.

There are holes in the frame and light mounting brackets for anchoring wires with tie wraps.

Four pin connectors are typical for the three lighting functions (tail, turn, and brake) plus one pin for the ground wire. Vehicle manufacturers have not standardized wiring colors. We recommend that a circuit tester be used on the tow vehicle wiring to locate the correct wire for each function. The wire that supplies 12 volt DC when switched on with the head lights of the tow vehicle is for the tail lights.



SAFETY INSTRUCTIONS

- 1. CAREFULLY READ THE OPERATORS MANUAL. FAILURE TO READ AND UNDERSTAND THE MANUAL CAN RESULT IN VERY SERIOUS INJURY.**
2. Do not change or alter machine in any way. All shields, guards, safety devices and decals must be kept in place.
3. **ALWAYS WEAR SAFETY GLASSES**, gloves and steel-toed boots when operating log splitter.
4. Keep clothing, hands, feet and other body parts away from moving parts.
5. Operate outdoors and avoid breathing exhaust and fumes. Fuel exhaust and fuel fumes can cause illness or death.
6. Fuel-fumes can catch fire or explode. Do not smoke or operate near flames or sparks.
7. Make sure latch is locked when using in either vertical or horizontal position.
8. Shut off engine when log splitter is left unattended, regardless of the length of time.
9. Always load and position log with hands on side of log. Never position with hands on ends of log.
10. Always split wood in the direction of the grain, never across the grain.
- 11. NEVER ALLOW LOG-SPLITTER TO BE OPERATED BY MORE THAN ONE PERSON. ONLY THE PERSON LOADING THE LOG IN THE SPLITTER SHOULD OPERATE THE CONTROL VALVE.**
12. No person should remove split wood while splitter is in operation.
13. The operator should only operate the control lever with their hands, **NEVER** with elbows, feet or other body parts.
14. Never operate the log splitter while under the influence of any alcohol, drugs or medication.
15. The log-splitter should be used only on dry level ground. Never use on a slope or where there is not sure footing.
16. Keep clear of falling wood.
17. Children should be kept away from the log-splitter at all times.

18. Always shut off engine and remove spark plug wire when performing any maintenance on this equipment.
19. Never climb on or step over log splitter.
20. Keep work area free from split wood or anything that one might trip over.
21. Always stay in the operator's position (near controls) when splitting wood.
22. Never refill the fuel tank with engine running. Always allow time for engine to cool down before refueling.
23. Muffler and engine get hot enough to cause serious burns. Do not touch until cool.
24. Hydraulic oil is under extreme pressure and can get under skin and burn or poison. Check for leaks with cardboard.

TOWING INSTRUCTIONS

Be sure to obey all traffic laws and rules of the road while towing the Barreto log splitter. Never exceed 45 miles per hour while towing. The towing vehicle should be in legal operating condition. Refer to the following check list before towing:

- Towing vehicle should have a 2" ball. Be sure it is in good repair and securely fastened to the vehicle.
- Securely fasten the hitch to the ball by tightening the hitch nut.
- Thread the safety chain through the loop in the hitch nut handle to prevent it from vibrating loose while towing. Attach the safety chain to the towing vehicle in such a way that it cannot come off accidentally.
- Swivel jack or stand should be parallel with tongue with pin in place.
- Be sure rail is locked in horizontal position when towing.
- Check the hitch-to-ball connection after driving a few blocks and re-tighten if necessary.
- Always exercise extreme caution and allow extra clearance while towing.
- If local law requires trailer lights, be sure they are in good repair and are in proper working condition. Lights should be connected according to local and state laws.

DRIVE SAFELY!

OPERATING INSTRUCTIONS

1. READ SAFETY INSTRUCTIONS BEFORE OPERATING!

2. Position the log splitter on dry level ground. Never use it on a slope or where there is not sure footing. When you disconnect the log splitter from the tow vehicle, pull the detent ring pin from the front leg or optional swivel jack. Rotate the leg or jack to the vertical position and replace the pin.
3. Be sure engine oil and hydraulic oil are at proper levels before starting engine.
4. Fill the fuel tank before you start while the engine is cold.
5. Turn fuel line valve, choke, and engine switch to “on” position, then pull starter rope. Turn off choke when appropriate. Refer to engine owner’s manual for details.
6. Always load and position log with hands on sides of log. **Never** position with hands on ends of log. Always split wood in the direction of the grain, never across the grain. Your log splitter may have optional log holders. If so, the log holders will cradle the wood to hold it on the rail, allowing hands free operation when splitting. The log holders have two positions. The upper position provides the most support, designed to use when the rail is horizontal. The low position is recommended when the rail is vertical.
7. Your log splitter may have the optional safety lockout feature. If so, push down on either lockout lever with one hand, then move valve control lever with your other hand toward log to split wood. After splitting, move lever away from log. The valve detent will hold it in a retracting operation, and will automatically release when the cylinder rod is fully retracted.
8. To use with the rail in the vertical position, disconnect from towing vehicle. Pull the horizontal position latch pin and rotate the rail using the handle provided. Make sure vertical latch pin locks the rail into place. Both latch pins are spring loaded but can be held unlocked by rotating the pin handle behind the stop. When you switch from horizontal to vertical, the end of the rail hits the ground before the rail latches. Typically the whole machine rolls back a few inches as the rail approaches vertical and the latch catches. If the machine is attached to the towing vehicle it becomes very difficult if not impossible to latch the rail to vertical.

BARRETO MANUFACTURING, INC. EQUIPMENT WARRANTY

Barreto Manufacturing, Inc. warrants all BARRETO equipment to be free of defects in material and workmanship for a period of one (1) year, dating from delivery to the original user.

This Warranty is in lieu of all other warranties, whether written or implied, and is limited to:

1. Replacement of parts returned to the dealer and/or factory and determined defective upon inspection. (Replacement for parts to dealers shall be at dealer cost plus shipping charges.)
2. Time for pick-up and/or delivery, transportation or service calls by dealers is excluded. Manufacturer reserves the right to determine reasonable time required for repair.

Warranty does not apply to damage caused by abuse or neglect. Time and materials required for normal maintenance and service are also excluded from warranty coverage.

Engines, engine accessories and tires are warranted by the original manufacturers and are not covered by the Barreto Equipment Warranty.