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HUD-SON



FOREST EQUIPMENT

8201 STATE ROUTE 12 • PO BOX 345 • BARNEVELD NY 13304



FIREWOOD PROCESSOR MODEL LITTLE BRUTE OWNER'S MANUAL

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HUD-SON FOREST EQUIPMENT FIREWOOD PROCESSOR MODEL LITTLE BRUTE

1. Safety Precautions:

Always wear a hard hat with ear and eye protection when operation the processor.

Always wear gloves

Never operate the processor under the influence of drugs or alcohol.

Never allow children near the processor.

Never touch the saw chain when the processor is running.

Keep away from wedge during operation. Keep hands out of area. Shut down engine before working on or servicing processor.

2. Before Starting Processor First Perform the Following:

- A. Check the Engine Oil Level.
- B. Make sure All Valves are in Neutral/ Center Position.
- C. Make sure No One is Near Any Moving Parts.
- D. Check that saw chain is sharp and that the bar has no bends in it.

3. Operation of the Processor:

E. Towing Processor

1. Deck should be raised to highest position and pin attached at middle of the deck.
2. The hydraulic controls should be moved into travel position. This is done by removing the pin, turning the controls inward, and reinserting the pin.
3. Supports legs should be raised completely and moved in. Be sure to tighten all locking bolts and "T" bolts.
4. Raise the hitch by turn jack to a height higher than the ball on the receiver. (Note: Always Tow Using a 2" Ball.)
5. With latch in the raised position on hitch of the processor, center ball directly underneath. Once in position lower the processor onto ball completely. Latch hitch being sure that it is latched completely. Attach safety chain to receiver.
6. Pull pin from jack and move to the horizontal position and reattach pin.

F. Setting up the Processor for Operation

1. Have Processor on level ground.

2. Loosen support leg in the front and back of the processor and pull them out. Once legs are extended lower the legs and tighten all bolts and "T" bolts.

3. Move the Hydraulic control to operating position and be sure to lock them with the pin.

4. Remove pin from middle of the deck so that it can be lowered.

5. Look and check over the processor to make everything appears in proper working order and that the processor is stable. Check that the bar oil is full. (This tank is located on the saw bar guard.)

6. Service engine and start engine according to the Owners Manual for that engine.

G. Controls

1. Log Lift/Deck control: located to the second lever in from the Right. This control will raise and lower the Log Lift/Deck.

2. Log Feed: located all the way to the Right. This controls the log feeding both forward and reverse.

3. Clam and Saw Bar control: located third in from the Right. This control is used at the same time has the Saw control to clamp the log and cut it.

4. Saw control: located to the far Left. This control engages the chain saw chain.

5. Splitter Controls: located second in from Left (two controls). These two levels can be operated at the same time to splitter. When using them together the splitter will extend the ram to split log and automatically return.

6. Log Clamp: located as a foot pedal to be used as an extra support when cutting the log.

H. Proper Log Lift or Deck Operation

To lift a log onto the processor, simply roll the log onto the Log Deck in the lowered position. Pull back slightly on the Lift Control to raise the log. Carefully bring the Deck to a height that will allow the log to roll or slide off onto the Feed. Be careful not to rush this process and clear of the Feed area.

When using the Log Lift as a Deck, raise the Deck about 4 to 6 inches above its level point. Attach the Deck Legs by inserting them into the holders on both ends. Be sure to firmly tight the Lock Bolts. Once the legs are attached lower the Deck so that it is stable on the ground. Carefully load logs onto the Deck. Log can now be pulled off one at a time to be processed.

I. Proper Feed Operation

Once the log has been moved onto the Feed use the Feed lever to feed or reverse the log to the desired cut length. Length can be determined by the rule located on the splitting cradle. If you have an irregular shaped log that does not feed, use a hand tool to position or turn the log so that the Feed Chain can grab the log. ****Note never have more than half of a log over hang on the feed. To the last cut leave the desired length on the Feed thus making the short cut first. ****

J. Cutting Log

Check that the Bar oil is on. Adjustable valve is located on the Saw Guard. The oil should be adjusted to a steady flow but not to the point where the oil runs off the chain. Use the foot pedal to clamp the overhanging log. Engage saw by pulling down on the Saw control lever. Then lower the Bar and Log Clamp by pulling down on the Bar and Clamp control. Be sure that the bar speed is not set to fast. If the bar moves too fast it will case the Saw to stop and could jam the Chain. (Note: The bar saw may require adjusting see the Regular Adjustments and Maintenance section.) When sawing, operate the saw at full speed. If the processor seems to start working too hard and the engine is powering down slow the bar down using the Bar and Clamp control. Once the log is completely cut off raise the release the Saw control to stop the chain and raise the Bar and Clamp to max height.

K. Splitter Operation

Before operating the splitter when using the four-way wedge be sure that it is properly adjusted. The four-way should be about center of log that you are splitting. The Wedge can be raised and lower by loosening the "T" bolt located on the back side of the wedge. After loosing you can raise or lower the wedge to the proper setting. Be sure to retighten the "T" bolt. Once ready to split the logs press both controls down at the same time. Watch the log is never turned side ways and is always splitting lengthwise.

****WARNING**** Never have hands close to wedge while in operation. If you have a jam turn engine off, then free the jam.

4. Regular Adjustments and Maintenance**Control Valves**

Control valve adjustments are preset at the factory except for detent adjustment on the auto cycle valve. For those adjustments refer to the Auto Cycle Valve Adjustment sheet.

**** Any other adjustments to control valves will Void All Warranties****

Saw Bar Speed and ClamP Ajustment

The speed of the bar can be adjusted by turning the hydraulic flow control knob located by the foot pedal. To increase speed turn knob out, or to slow down turn knob inward. The clap and saw bar pressure is adjusted by the Detent control located behind the Flow control knob. This looks like a black box. To increase pressure screw 3/16 allen screw inward. To decrease pressure turn 3/16 allen screw out.

Maintenance

Read your Engine Owners Manual for engine maintenance.

Feed Chain: it is normal for a chain to stretch over time. The Feed Chain should be check for tension periodically. The Chain should never be loose enough that is could fall off the drives. To tighten the chain loosen 4 bolts for the at far end drive wheel bearings. With the loosened bolts pull the bearing back and tighten bolts back up.

Hydraulic Filter: should be changed every 150 hours of operation.

5. Auto Cycle Valve Detent Adjustment

Before adjusting the Detents, it is important to note the following:

1. The auto Cycle Valve should not be set to start into a piece of wood on its own. It is necessary to hold handles manually when you start into the wedge. Once the piece of wood begins to split you can let go of the handles and the valve will function automatically. If you turn the forward detent in far enough to start into a piece of wood on its won, the cycle will Not function properly.
2. Normally it is necessary to adjust both detents to make the auto cycle work properly.
3. Make all adjustments when the splitter is at normal operating temperature.

The detents to each spool on the auto cycle must be adjusted periodically, depending upon its use. Below are some guidelines for trouble shooting. (Note: left and right side of the valve are determined by looking at the valve from the wedge end.)

Problem: The cylinder will not extend completely on normal wood.

Solution: Adjust the detent on the left side of the valve by turning the screw clockwise in ¼ turn increments until the handle will stay forward through the entire stroke. (Note: If the engine slows down excessively in order to kick lever to the neutral position, you have turned the detent too far.

Problem: The cylinder will not return all the way.

Solution: Turn the right detent clockwise by ¼ turn increments until the cyclinder will return on its own.

Problem: When the cylinder completes the outward stroke both handles kick to neutral.

Solution: Turn the detent on the left side counterclockwise. (Too much pressure on the forward detent will cause both handles to return to the neutral position.) Turn right detent clockwise to increase the spring pressure. (If you turn this detent too far handle will not kick back at end of stroke.)

Problem: The right or left handles will not kick back to the neutral position.

Solution: Turn detent counter clockwise by ¼ turn increments. If this does not work, remove the entire detent assembly and check for dirt or broken parts.

Firewood Processor Warranty

1) Introduction To Your Warranty

Warranty registration cards must be completed and returned to Hud-Son Forest Equipment, Inc within 30 days of purchase. Failure to do so will void the warranty!

Warranty claims must be registered with the Dealer/Distributor, and defective parts must be returned to the Dealer/Distributor at the owner's expense. The Dealer/Distributor will assume cost of shipping

one way in regards to any warranty claim. Freight is standard UPS ground. Any expedited services are at an additional charge and will be paid in full before shipping at the owner's expense.

All processors have a 90-day warranty against manufacturers defects.

2) What's Covered And By Who?

Out sourced components will be warranted by the respective company for a period equal to the warranty in place at the time of shipping, as shown below from date of purchase.

Gasoline Engines	2 years - Check yellow pages for your nearest Briggs & Stratton Servicing Dealer.
Drive Shafts & Drive Shaft Bearings	6 months - Call your servicing Hud-Son Dealer.
Axles (Trailer Models)	6 months - Call your servicing Hud-Son Dealer.
Bar/Chain/Sprocket	No Warranty
Hydraulic Motors, Cylinders, Pumps, Valves and Hose & Fittings	6 months - Call Hud-Son and ask for the warranty department.

3) How A Warranty Claim Is Handled.

All warranty claims that are done in the field will be handled as follows:

a) Customer will call the Dealer/Distributor and acknowledge the problem.

b) If the problem can be solved in the field, new parts will be shipped, invoiced and paid for. A credit will be given upon return of the old parts if covered by warranty.

c) If requested, parts to be replaced must be returned at owner's expense within thirty (30) days to receive credit.

d) If the problem is deemed too severe to be fixed in the field by the customer, then the customer must bring the processor, at their own expense, to the closest Hud-Son

Dealer/Distributor for repair. If the Dealer/Distributor is not qualified for the repair job, then the equipment must be returned to Hud-Son Forest Equipment, Inc. at the customer's expense.

e) If the problem is deemed not to be a warranty problem, an invoice will follow for the parts that were replaced, as well as an invoice for any time spent on it by Hud-Son Forest Equipment, Inc. staff and/or Dealer/Distributor staff.

f) Any modification to the processor that is performed by any personnel other than Hud-Son Forest Equipment, Inc direct staff voids the warranty.

g) Any parts replaced without discretion of the Dealer/Distributor voids the warranty on the part the customer is replacing and no

reimbursement will be made.

h) Parts purchased by the customer from an outside source without prior approval by Hud-Son Forest Equipment, Inc will not be reimbursed.

i) Always call your servicing dealer first! Dealers/Distributors carry parts and are very knowledgeable with the inner workings of your processor. Remember that modifying your processor or using parts that are not approved by Hud-Son Forest Equipment, Inc can void your warranty.

Included in daily maintenance with checking engine oil, hydraulic fluid, cable, safety equipment the splitter trough needs to be cleaned out in front and behind the push plate. Neglecting to do this will result in splitter damage which will NOT be covered under warranty.

DISPUTES

All disputes, claims and causes of action arising out of the delivery, use, or warranty claims for personal injury and or property damage must:

1. Claimant must provide a written notice of the claim or dispute to the company (at the address below) at least 30 days after the claim arose prior to commencement of any action;

2. Company has 60 days to make a decision on the claim and will provide a written response to claimant;

3. No action may be commenced until after the company has provided its decision on the claim;

4. All claims against the company for any cause related to delivery, design defects, repairs, use of the equipment or warranty shall be filed in Supreme

Court, Oneida County, State of New York. The parties may file for Arbitration in Oneida County New York after consent by both parties.

5. Construction and interpretation of this agreement and any and all claims shall be subject to the Laws of the State of New York.

6: The address for submission of claims is:

Hud-Son Forest Equipment
PO Box 345
8201 State Route 12
Barneveld, NY 13304

7. Notices under this agreement must be in writing and sent by certified or registered mail;

CAUTION - Be EXTRA careful around these areas, unsafe practices may cause personnel injury or damage.

DANGER - Be careful around any rotating parts, they may cause personnel injury or damage.

DANGER - Be sure to be very cautious and alert, these areas may cause personnel injury or damage.

CAUTION - Operating equipment without guards may cause personnel injury or damage.

BLADE LUBE TANK - be sure to use the correct lubrication, if incorrect lube is used it may cause personnel injury or damage.

NOTICE - Please remember to send in warranty card and information.

CAUTION - All debris needs to be removed from machine before transporting, failure to so may cause personnel injury or damage.

CAUTION FIRE HAZARD - Keep all sawdust away from motor.



Daily maintenance of this machine includes checking engine oil, hydraulic fluid, cable, safety equipment and the splitter trough needs to be cleaned out in front and behind the push plate. Neglecting to do this will result in splitter damage which will NOT be covered under warranty.

PROCESSOR FILTERS SHOULD BE CHANGED AFTER 10 HOURS OF INITIAL USE AND EVERY 100 HOURS THEREAFTER.

CAUTION
BEFORE, DURING AND AFTER OPERATION

Check the engine compartment for sawdust and wood trash build up in and around the engine compartment and the exhaust area to prevent any possible fires from starting due to excessive build up. Always clean the sawdust out from under the machine after shut down and be sure there is no sawdust build up near or around the muffler area.



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*Thank you for choosing
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for all of your forestry needs.*

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