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## **CHAIN CONVEYOR OPERATOR'S MANUAL**

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

A N O T E F R O M H U D - S O N

Thank you for your purchase of a Chain Conveyor from Hud-Son Forest Equipment. We are pleased that you chose us as your supplier of your forestry equipment.

Hud-Son Forest Equipment has been in the forestry business since 1965 and prides itself on developing new and innovative products for the forestry business. Our product line is always transforming so please check us out on the web at [www.hud-son.com](http://www.hud-son.com) for the up and coming developments we are making.

Should you have any questions with the set-up of your equipment or if you have any technical questions please feel free to contact our onsite technician Monday - Friday, 8 to 4:30 and Saturdays from 8 to noon eastern time at 800-765-7297. We are always available to our customers for any questions or concerns that you may have about your equipment.

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# INTRODUCTION

## Purchaser Agreement

By accepting the delivery of your conveyor by Hud-Son Forest Equipment you agree that you will not modify your conveyor from it's original assembly. This will VOID any warranty from Hud-Son Forest Equipment.

Please fill out the information for quick reference:

Dealer: _____
Phone Number: _____
Address: _____ _____
Purchase Date: _____
Model: _____
Serial Number: _____

This manual is filled with the latest information and specifications at the time of publication. We have the right to make changes as they are needed. Any of the changes in our product may cause a variation between the illustrations and explanations in the manual and the item that you have purchased.

## Safety Guidelines

The reason for the safety section is to inform the operators and maintenance personnel, the precautions that should be taken while operating or servicing the Hud-Son Mills. Please use good judgement and keep safety in mind when operating Hud-Son machinery. Please read and follow ALL the instructions in this manual before operating the Hud-Son Mill safely at all times. These instructions were produced for your benefit. Your ability to understand and follow the instructions is essential for the safe operation of this product. Always call your servicing dealer if you are in doubt before operation of any kind.

### General Safety Procedures

- 1 - Always wear safety glasses, ear protection, and gloves while operating or servicing the machine.



- 2 - Keep all body parts and foreign objects away from all moving parts. Do not reach into the machine while it is still operating. (Be Sure The Machine Is OFF.)
- 3 - Do not attempt to override any safety features on the machine.
- 4 - Inspect the machine before every use for wear, damage, and that it's functioning correctly. If the machine has been damaged or is not running correctly, **DO NOT** attempt to operate the machine. Repair or replace all parts when necessary.
- 5 - Do not wear loose clothing or jewelry while operating or servicing the machine.
- 6 - All replacement parts should be of the same specifications as the original parts on your Hud-Son machine.
- 7 - All guards and covers must be in place before operating the machine.
- 8 - Before starting the machine be sure that it is set up properly.
- 9 - **DO NOT** operate or service any machinery while under the influence of drugs or alcohol, while tired or if you are unable to control your movements.
- 10- All worn or damaged decals should be replaced.
- 11- Any modifications to the machine requires written approval from Hud-Son Forest Equipment.
- 12- The conveyor should only be used when it is on level stable ground.

The safety rules are made for the benefit of the persons operating and servicing the machine, to prevent injury to oneself or others. Please review all setup and operating procedures before attempting to run the machine, whether covered in this manual or not, to ensure the safest operation of this product.

## 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.

Hud-Son Forest Equipment is not liable for damage to property or personal injury due to the failure of any person and/or operator to follow the instructions and recommendations set forth in this manual or any other instructions or recommendations contained in other literature issued by other vendor manuals in the operator's kit.

### *Product Safety Decals*

The decals below are used on the Hud-Son conveyors to identify warnings and prohibited actions. It is very important that you understand the meaning of the decals for your safety and the safety of others. Decals are to be replaced if worn or illegible.

<p><b>CAUTION</b> - Operating equipment without guards may cause personal injury or damage.</p>	<p><b>DANGER</b> - Be careful around any rotating parts, that may cause personal injury or damage.</p>
<p><b>CAUTION</b> - Be EXTRA careful around these areas, unsafe practices may cause personal injury or damage.</p>	<p><b>CAUTION FIRE HAZARD</b> - Keep all sawdust away from motor.</p>
<p><b>CAUTION</b> - All debris need to be removed from machine before transporting, failure to do so may cause personal injury or damage.</p>	<p><b>DANGER</b> - Be sure to be very cautious and alert around areas that may cause personal injury or damage.</p>
	<p><b>NOTICE</b> - Please remember to send in warranty card and information.</p>



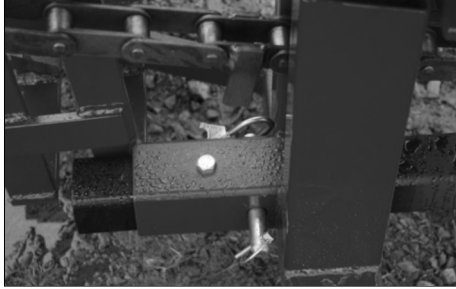
## ***Safety Guidelines***

1. Always wear safety equipment:
  - a. Hard Hat
  - b. Eye protection
  - c. Gloves
  - d. Safety shoes or boots
2. Never operate equipment under the influence of drugs or alcohol.
3. Do not allow children to operate, play on or around work area.
4. Do not stand under or on the conveyor.
5. Do not operate without safety guards in place.
6. Do not put any parts of your body in or near any rotating components!
7. Keep work area clear of debris.

## ***Set Up***

1. Place conveyor on level ground completely lowered off the jackstand
2. Check oil and fuel levels, add as necessary.
3. Lower unit onto ground with jack.
4. Pull tongue out of conveyor and place in safe location
5. Adjust the height of conveyor with the supplied jack handle.  
(If not a fixed height unit)
6. Clear discharge area of any personal before starting engine and block off any access to that area so no one can walk into the area where wood will fall.
7. Check conveyor for any debris built up in chain or around motor, clean as necessary.
8. Start motor and adjust throttle to obtain desire chain speed.  
Most operations require motor to be run at just above an idle on the motor.

## ***Towing***



### ***Before towing unit:***

1. Conveyor requires a 2 inch ball coupler.
2. Place tongue in receiver hitch on the conveyor and put the pin and safety bolt in and tighten .
3. Clean any wood and debris from conveyor so that it will not fall off into road.
4. Lower conveyor with hydraulic lift jack. Be sure to leave the valve in the lower position. *(if not a fixed height unit )*
5. Check lug nuts and air pressure in tires.
6. Raise conveyor with hitch jack to desired hitch height.
7. Hook unit to your vehicles towing hitch.
8. Flip hitch latch to closed position.
9. Place safety pin in conveyor tow hitch.
10. Attach safety chains to your vehicle.
11. If your state requires lights attach to conveyor and plug them into your vehicle as per state regulations.

## ***Chain Tension***



### ***To adjust chain tension:***

There are two tensioning bolts at the discharge end of conveyor. Tighten chain until there is a two inch "sag" in the chain, adjust on both sides of idler cog. Tighten bolts evenly to accomplish this.

## *Drive Belt Tension*

### *To tension drive belt:*

With The tensioning bolt on motor mount loosen lock nut and turn bolt clockwise until there is not more than ½" deflection in the drive belt, then tighten lock nut.



## *Maintenance*

1. Briggs and Stratton 3.5 hp gas motor.  
*See owner's manual for engine*

2. Hitch

Hitch should be inspected whenever you use it to tow the conveyor.  
Check for wear and damage. Do not attempt to use if damaged or worn.

3. Axle

Axle bearings should be checked every 500 miles and greased accordingly.  
Lug nuts should be torqued to 70 foot lbs and checked every 500 miles  
Air pressure in tires should be checked whenever you tow the unit.





#### 4. Belt Tension Drive

Drive belt tension should be checked weekly.

Drive belt should have no more than 1/2" deflection with 5 lbs pressure.



#### 5. Chain

Chain tension should be checked daily.

Chain should be tight enough not to slip on the cogs and loose enough not to bind. Chain should be left dry so as not to accumulate dirt and debris. Pillow block bearings (4) should be checked and greased every 30 hours.



Chain  
Tensioner bolt

Jam Nut

Tension sliders (2) should be greased every 80 hours.

#### 6. Hydraulic Lift Jack (if equipped with)

Inspect inner rod for wear, pitting and rust monthly.

Lubricate pivot points as necessary to keep them free moving.



## ***Fuel***

It is highly recommended that you use non-ethanol gasoline in your unit. If unavailable in your area, it is recommended that you treat the fuel with a stabilizing additive for ethanol fuel. The engine manufacturer will not warranty any fuel related failures.

## ***Shut Down Procedures***

*When you are done using the unit for the day:*

1. While unit is running turn fuel shut off to the off position and let motor run until it runs out of fuel



2. Turn ignition switch off
3. Lower hydraulic lift jack all the way down (if you leave it up the rod could rust and pit. This will cause premature wear on jack seal and could cause failure of jack. This will not be covered by warranty.



4. Clean wood and debris from unit

## ***Spare Parts***

Drive belt  
Master link

B72  
CL81X

A routine inspection of the entire machine is encouraged. Check to see if all fittings are tight and secure. Make sure all nuts are tightened. Check to see if there is any damage that may need to be repaired before further damage occurs. Routinely checking the equipment and proper maintenance will help keep the Hud-Son conveyor running to the best of its ability.

## **Parts and Warranty**

### ***Warranty:***

Warranty registration cards must be completed and returned to Hud-Son Forest Equipment within 30 days of purchase. Failure to do so will void the warranty. Also altering the mill in any way 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 the 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. The shipping cost of warranty/parts out of the continental USA, will not be covered under warranty. The labor charge out of the continental USA is also not covered under warranty.

Fuel system problems caused by the failure to use fresh fuel (less than 30 days old) - Gummy deposits, varnish and/or corrosion due to gas are not covered by warranty. Since we have no control over the quality of gasoline and we know it deteriorates with age, the warranty defines "fresh" fuel as less than 30 days old.

### ***Warranty Claim Procedure***

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

1. Customer must call the Dealer/Distributor and acknowledge the problem.
2. If the problem can be solved in the field, new parts will be shipped, invoiced and paid for. A credit will be given once the old parts are returned, if covered by warranty.
3. Parts to be replaced must be returned at the owner's expense within 30-days to receive credit.
4. If the problem is deemed too severe to be fixed in the field by the customer, then the customer must bring the conveyor at the owner's expense to the closest Hud-Son Dealer/Distributor for repair.
5. If the problem is not a warranty problem, the customer will be charged for the parts replaced and the labor time spent repairing unit.
6. Any modification to the conveyor that is performed by any personnel other than Hud-Son Forest Equipment direct staff voids the warranty.
7. Any parts that are replaced without the discretion of the Dealer/Distributor voids the warranty on the part the customer is replacing and no reimbursement will be made.
8. Parts purchased by the customer from an outside source, without prior approval from Hud-Son Forest Equipment, Inc will **NOT** be reimbursed.

### **ALWAYS CALL YOUR SERVICING DEALER FIRST!**

Dealers/Distributors carry parts and are very knowledgeable with the inner workings of your conveyor. Remember that modifying your conveyor or using parts that are not Hud-Son Forest Equipment approved, can void your warranty. No warranty on labor or shipping.

### **Warranty/Service Information:**

Please contact our warranty department with any issues or to reorder parts.

Phone: 1-800-765-SAWS Hours of Operation: M-F 8:00-4:30; Saturday 8- NOON est

# HUD-SON FOREST EQUIPMENT WARRANTY



3 YEAR CONSUMER HOME OWNER  
1 YEAR COMMERCIAL USE

Hud-Son Manufactured Products are warranted to be free of manufacture defects in materials and workmanship under normal use and service for a period of time from the purchase date of invoice. Warranty is limited to the repair of the product and/or parts needed or replaced.

## **HUD-SON FOREST EQUIPMENT WARRANTY DOES NOT COVER THE FOLLOWING CONDITIONS:**

- A - Down time or loss of funds, money, and income during repair time.
- B - Machines or parts lost or damaged during shipments or handling/shipping companies. Warranty does not cover shipping costs or next day air costs.
- C - Normal service wear items such as, but not limited to: V-belts, air filters, fuel filter, oil filters, blades, cutting item, any item that requires servicing.
- D - Modifications, alterations, tampering repairs done elsewhere other than by an authorized Hud-Son Forest Equipment Dealership.
- E - Products manufactured by other manufacturing companies, such as, but not limited to: Engine and Hydraulic Components.
- F - Customer is responsible to return defected parts to the Dealer or HFE at their expense. (If requested)
- G - Warranty registration is required to process claims. If warranty registration is not on file a copy of the original invoice may be required before processing claims.

Components used on Hud-Son Forest Equipment products that are manufactured from another company such as, but not limited to engines, pumps, valves, hydraulic components, applies to that Manufacturer's Warranty Policy.

**"Register Your Warranty Online" at: [www.hud-son.com/warranty](http://www.hud-son.com/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.

## MAINTENANCE NOTES

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# MAINTENANCE NOTES

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*Thank you for choosing*



Hud-Son Forest Equipment, Inc.  
8201 State Rt. 12, PO Box 345 Barneveld, NY 13304

We have an onsite technician available to answer any questions

**[WWW.HUD-SON.COM](http://WWW.HUD-SON.COM)**