HWP-100 Firewood Processor





205 College Street
Pine River, MN 56474
218-587-2065

www.HalversonWoodProducts.com



HWP-100 Firewood Processor

Turn your equipment into a firewood processing monster!

CAUTION!

Use caution when approaching your log pile with the processor attached.

Damage can occur to the saw guard or saw bar if contact is made with the log pile or other object. **CONGRATULATIONS** on your purchase of the HWP-100 Firewood Processor. This processor is designed and constructed to give you many years of hassle-free operation. Please be sure to read and understand this Operation/Safety Manual.

Operational Requirements

The HWP-100 Firewood Processor is designed to operate on skid steers and other construction, farming, or forestry equipment (referenced as "machine" in this manual). The processor requires standard auxiliary hydraulic flow up to 15 gallons per minute (GPM) (57 liters per minute). Flow over 15 GPM (57 lpm) will exceed the motor capabilities and cause premature failure. If your equipment generates flows greater than 15 GPM (57 lpm), you will want to run it at reduced throttle setting to ensure the output **DOES NOT EXCEED** specifications.

DO NOT RUN MACHINE ON HIGH FLOW!!!!

This processor requires 1 hydraulic pressure line and 1 return line.

This processor does not require a case drain.

The processor is designed to operate with hydraulic pressures up to 3000 PSI (207 bar) for optimum saw and splitter performance. Reduction in performance and productivity will result from pressures under 2800 PSI (193 bar). It is important that the hydraulic pressure **DOES NOT EXCEED** 3000 PSI (207 bar) or the valve body could fail if operated at higher pressures. The HWP-100 requires standard pressure and return line.

This processor runs on continuous flow!
Refer to operating sequence procedures on page 13.

HWP-100 Specifications

Length		
Width	41" (104 cm)	
Height	41" (104 cm)	

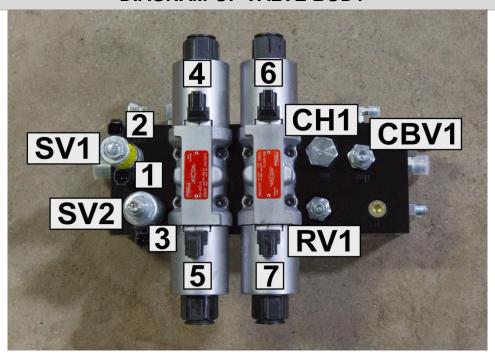
Hydraulic Requirements

Flow: 10 - 15 gpm (39 - 57 lpm)

Pressure: 2800-3000 psi (193 - 207 bar) Connections: 1-pressure, 1-return

Control System	Solenoid operated valves mounted on the processor.
Max Log Diameter	14" (36 cm)
Max Log Length	10' (3.05 m)
Min Log Length	4' (1.22 m)
Firewood Cut Length	Up to 16 " (40.64 cm)
Saw Bar	Length: 18" (64.2 cm)
Saw Chain	Oregon 3/8 pitch; .058; 68 DL
Saw Oiler	Automatic 2 quart oil tank (1.89 l)
Splitter Cylinder	Custom welded 3" Bore x 18" Stroke
Splitter Force	21,195 lbs. @ 3000 psi (228 bar)
Splitting Wedge	2-Way - Optional 4-Way
In-feed	Sliding trough carries log to wedge
Mounting Spec	Universal Quick Attach Plate SAE J2513

DIAGRAM OF VALVE BODY



VALVES ON VALVE BODY

SV1-GRAB ARM UP AND DOWN SV2-ENABLER / MAIN PRESSURE RELIEF RV1-SAW UP RELIEF CH1-CAP CBV1-FLOAT VALVE

WIRE LOCATION

1-GRAB ARM UP
2-GRAB ARM DOWN
3-UNLOADER
4-TABLE FORWARD
5-TABLE BACK
6-SAW UP
7- SAW DOWN

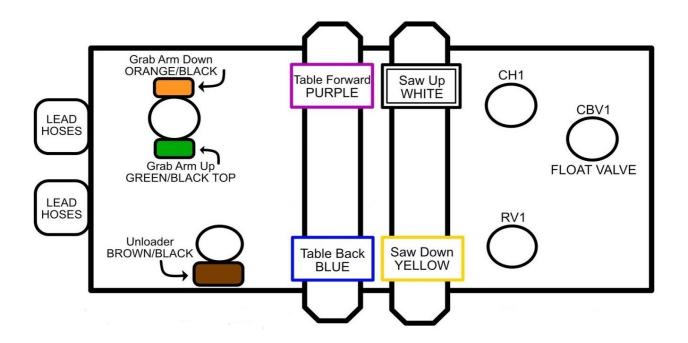
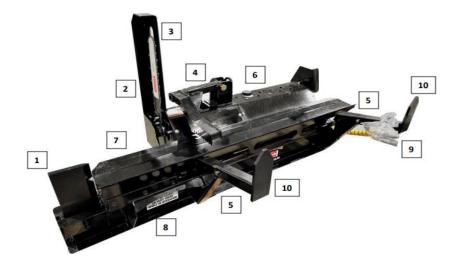


DIAGRAM OF HWP-100 MAIN PARTS



- 1. SPLITTING WEDGE
- 2. CHAIN SAW
- 3. SAW GUARD
- 4. GRAB ARM
- 5. LEGS

- 6. OIL CONTAINER
- 7. TABLE
- 8. SPLITTER TROUGH
- 9. LEAD HOSES
- 10. FEET

GENERAL SAFETY

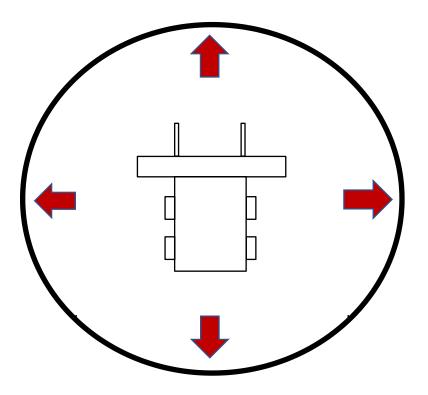
Labels

Your HWP-100 Firewood Processor carries prominent labels as reminders for its proper and safe use. Shown below are copies of all the labels that appear on the equipment. Take a moment to study them and make note of their location on your processor before you operate the unit. Replace damaged or missing labels immediately.









Keep everyone at least 50 FEET (15 meters) away from machine while in operation.

Keep everyone at least 50 FEET (15 meters) away from machine while in operation.

Operating this Firewood Processor safely is necessary to prevent or minimize the risk of serious injury or death. Unsafe operation can create a number of hazards for you. Always take the following precautions

GENERAL SAFETY, CONTINUED

Firewood Processor Capabilities and Limits

- Used to process logs, do not use for other purposes.
- Process only wood that is within recommended size limits.
- Process one log at a time.
- · Do not modify the processor except as noted in this manual.

Operator Requirements

- Operators must be adults and familiar with the operation of your equipment and HWP-100.
- Never operate while impaired.

General Safe Operating Practices

- Keep all bystanders at least 50 feet (15 meters) away while operating processor. Do not allow bystanders directly in front of or directly behind processor.
- Keep hands and feet away from processor's moving parts. **WARNING!!** Never load wood into or remove wood from the processor or splitter by hand.
- · Make sure all equipment safety devices are in working order.
- Before exiting cab, shut down the engine on the machine.
- When entering or exiting cab, maintain 3 points of contact.
- Before performing any maintenance or inspection, shut down the equipment's engine.

GENERAL SAFETY, CONTINUED

Chain Shot

What is chain shot?

Chain shot is the high velocity separation and ejection of a piece or pieces of cutting chain from the end of a broken chain in mechanized timber harvesting. Chain shot exposes both machine operators and bystanders to a risk of serious injury or death. Chain shot typically occurs near the drive end of the cutting system but can also come from the bar tip area.

Industry research indicates an average of 1 in 50 broken chains had parts missing that may have been the result of a chain shot event.

How does chain shot occur?

A chain shot consists of two breaks in a chain.

First, the loop of chain breaks and forms two ends. One end moves past the drive sprocket or bar nose and is rapidly accelerated due to a whip-like motion of the chain end.

The "whip action" causes the second break releasing small parts at very high velocity. Chain shot can cause chain parts to be thrown in many directions, especially those along the plane of the saw bar.

What does a typical chain shot piece look like?

The most dangerous chain shot parts consist of one to three parts as shown:



How can operators reduce the risk of chain shot?

- Operators and bystanders must never be in the plane of the bar when the chain is in motion on the bar.
- Appropriate windshield material must be installed.
- Chain speed must be 8000 ft/min (35 m/s) or less for 3/8 pitch Oregon® chain.
- A chain shot guard should be installed near the drive sprocket.
- Chains should be inspected frequently. Remove from service all dull and/or worn, damaged and/or cracked chains.
- Always use new Oregon® parts when repairing Oregon® chains.
- Industry groups recommend that chains should be discarded after the second break.
- Always sharpen Oregon® chains to Oregon® factory specifications.
- Maintain proper bar and chain lubrication.
- Maintain proper chain tension.
- Replace the drive sprocket when it has any visible signs of wear.

For additional information see the Oregon® Mechanical Timber Harvesting Handbook.

INSTALLATION

Fitting the Processor to a Skid Steer or Other Machine

- 1) Engage the upper portion of the machines quick-attach mount, and then rotate the mount into position against the processor's main mounting plate.
- 2) Lock the pins or wedges to secure the processor to the mount. Make sure the locks, pins or wedges are fully engaged into the slots on the processor mount. **WARNING!** If you need to raise the boom to check that the locks are engaged, observe from a safe distance.

DO NOT allow anyone underneath a suspended processor.

- 3) Rotate the processor fully forward until the feet on the processor's forks rest flat on the ground. If the machines bucket dump angle will not allow the feet to rest flat, contact your dealer.
- 4) SLOWLY rotate the processor fully back to ensure it does not come into contact with the machine or its boom hoses or wiring.
- 5) Lower the processor and detach from the quick-attach mount to allow easier access to the machines cab while installing the wiring.

NOTE: When disconnecting processor, DO NOT pull on the wires. You may pull the wires out of the quick connect ends.

Installing HWP Wiring Harness – Optional

The wiring control system for the processor consists of wires and a harness assembly with 2 - 3 button control pads, power lead and ground lead fitted with a fused power plug along with 22 feet (6.7m) of cable. (See page 11.)

This assembly must be routed from the cab, through the engine compartment and around the boom pivot to the front of the machines boom. The control should be attached to the front side of the machines joy stick with a 3/16" (4.76 mm) wire or cable ties passed through the holes provided in the mounts. The mount should be placed with its cable running to the inside, toward the seat and the buttons should face the door. Wire or cable ties should be used to secure the wires to the loader's joysticks to prevent rubbing and flexing at the point where the wires enter the mount. It is recommended that you avoid flexing the cables at any point along the length of the wires. Gradual, large radius bends are preferred.

The 22 foot (6.7m) cable should be routed to the front of the boom just behind the quick coupler area. In most cases, the cable is best routed by raising the machine's cab. When installing the cable, avoid any sharp edges or corners which may damage it. Find a protected location for the 8 pin plastic plug behind the quick couplers to protect it from damage when other attachments are being used on the skid steer. Route the cable so it will not be damaged as the boom is moved through the full range of motion. This typically means routing the cable as close to the boom pivot pins as possible. We recommend large wire cable ties for this.

Plug the fused plug into the power port. If the machine does not have a power port, one must be installed to accommodate the fused and switched power plug provided.

NOTE: The processor legs are not designed to bust frozen wood off the ground. Attempting to break frozen pieces loose may result in damage to the structure of the Firewood Processor.

INSTALLATION, CONTINUED

Electrical Connections

The HWP-100 processor operates on a 12V system and requires 5 functions in addition to power and ground. The included 14 pin connector (if applicable) should be configured as shown below.

HWP-100		
POWER	Red	
GROUND	Black	
SAW DOWN	Yellow	
SPLITTER OUT	Purple	
GRAB UP	Green	
GRAB DOWN	Orange	
SPLITTER BACK	Blue	

Connecting the Processor to the Machine

With the wiring completed, the firewood processor can be re-attached and the cable and hydraulic connections can be made. Connect the pressure line ("P") and the tank/return line ("T"). (The "P" and "T" are stamped into the valve body.) The "P" hose must be fed with oil from the machine's pressure connection. The "T" hose must be connected with the machine's tank or return circuit. If you are not sure of these connections, please verify them before you connect the processor to the hydraulic quick couplers.

NOTE: Machines require a bidirectional valve controlling the output of oil to the quick couplers.

This valve is typically controlled by a switch in the cab.

The selection of oil flow direction is what operates the processor functions.

Before putting the processor into service, carefully check the routing of the cables and hoses leading to the processor to ensure that they don't get damaged, stretched or hit as the processor is rolled forward and back.

ADJUSTMENTS & CONTROL FUNCTIONS

SAW OILER:

To increase the oiler pump output, turn the adjusting stem out (counter clockwise). To decrease the amount of bar oil, turn the stem in (clockwise).

CLEANING:

Keep the splitter area, valve compartment and splitting table free of debris. Inspect your machines radiator and oil cooler on a regular basis and look for build-up of saw dust and other debris. Pressure wash the radiator and oil cooler regularly to prevent overheating and damaging the machine and processor components.

LUBRICATION INTERVALS:

DAILY: -Grab arm pivot points

-Saw swivel head

-Saw cylinder pivot points



NOTES:

- It is common to have excess oil dripping off the saw bar.
- The oiler may need to be adjusted.
- You should see a mist of oil when the saw button is pushed.
 - -Turn adjustment in for less oil
 - -Turn adjustment out for more oil

CHAINSAW:

To engage the saw, press the second button down on the right hand control pad. To raise the saw, release the button. (Splitter must be all the way to the left)

SAW CHAIN TENSIONING:

- Maintain proper chain tension by adjusting the saw bar tension screw. If the chain runs too loose, it can hit the inside of the guard and become dull. The chain is properly tensioned when you can pull the tie straps 1/8" from the surface of the bar's rails in the center of the bar. Do not tighten it when it is hot as it will shrink when it cools and will stress the chain and the bar's sprocket nose.
- Regularly monitor the bar oil flow to ensure the chain is being lubricated sufficiently but not excessively. The reservoir should last 3-1/2 hours. Use only quality bar and chain oil.
- Regularly monitor the condition of the chain's cutters and sharpen as required. Failure to do so will result in reduced saw performance and reduced bar life.

HOME POSITION FOR SAW & SPLITTER:

- The home position for the saw is all the way back inside the guard.
- The home position for the splitter is all the way out, to the left.
- The travel position for the splitter is all the way in, to the right.

ADAPTOR 14 PIN CONNECTOR

- You will need 5 electronic functions/buttons that sends 12 volts to a pin on the 14 pin connector.
- You will also need constant power and ground on the 14 pin connector.
- If you do not have enough functions you will need an optional main cab harness kit.

PRECAUTIONS

The chainsaw is equipped with an auto-return feature.

BEWARE OF THIS FEATURE WHEN WORKING AROUND THE PROCESSOR

SHUT OFF ENGINE WHENEVER PERFORMING CLEAN-OUT OR SERVICE WORK.

Attempting to go around or defeat these auto-return features to gain access to an area of the machine can result in serious injury or death.

Ensure all personnel are safely out of the way when operating the firewood processor and make sure that no one is in line with the chain saw.

KEEP PEOPLE AWAY FROM THE CHAIN SHOT AREA. SERIOUS INJURIES AND DEATH HAVE BEEN REPORTED WHEN HIGH SPEED CHAIN SAW COMPONENTS SEPARATE AND BECOME HIGH SPEED PROJECTILES.

Know where all personnel are around the processor and equipment at all times.

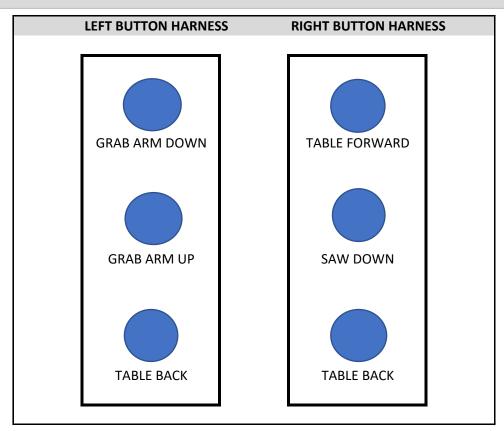
The splitting function often produces dangerous flying debris and wood particles.

KEEP PEOPLE AT LEAST 50 FEET AWAY FROM THE MACHINE WHILE RUNNING.

When Processor is not in use, disconnect power cord or it could drain your battery and shorten the life of your electrical components.

CONTACT HALVERSON WOOD PRODUCTS OR YOUR DEALER BEFORE ADJUSTING ANY VALVES!

OPTIONAL CAB HARNESS KIT CONTROL DIAGRAM HWP-100



REPLACING THE CHAIN

Oregon Saw Chain Part #73EXL068G (3/8' / 0.58" 1.5 mm)

STEP ONE:

Position the log table in the extended position. From the cab, this would be all the way to the left.

STEP TWO:

Hold saw button down, temporarily run oil to machine while bar goes down.

STEP THREE:

While holding the saw down button, lower bar to ¾ of the way down. Stop oil flow.

STEP FOUR:

SHUT MACHINE'S MOTOR OFF.

STEP FIVE:

Loosen saw clamp bolts. See picture to right.

STEP SIX:

Loosen adjustment behind saw bar. See picture below.

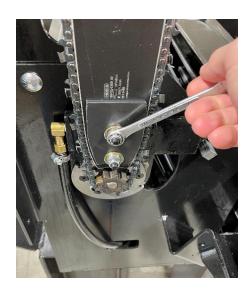
STEP SEVEN:

Remove chain.

MOUNTING NEW CHAIN:

Reverse steps to mount new chain.





NOTE:

Chain requires a 7/32" file to sharpen.

OPERATING SEQUENCE

- 1) Roll processor forward until the feet at the end of the legs are parallel to the ground.
- 2) Drive to the log pile and place the feet under a log.
- 3) Roll the processor back to pick up the log and allow it to roll down the legs onto the splitter table.
- 4) Press and hold the TABLE FORWARD button to extend the splitting cylinder and splitter table carrying the log to the splitter head.
- 5) Press TABLE BACK button, enabling the table to retract to the desired length of cut.
- 6) Press the GRAB ARM DOWN button to hold the log in position.
- 7) Press Splitter Back until it is all the way retracted.
- 8) Press and hold the SAW DOWN button to cut a piece from the log. As the cut is completed, the log will fall into the splitter bin.
- 9) Release the SAW DOWN button to allow the saw to retract to its home position.
- 10) Press the GRAB ARM UP button to release the log.
- 11) Press the TABLE FORWARD button to extend the splitter. This action splits the wood while delivering the remaining log to the splitter wedge for the next cut.

This completes one cutting and splitting cycle. Repeat this sequence until the log has been cut and split completely.

Note: Be careful of moving skid steer with processor tilted all the way forward. This can allow the legs to dig into the ground, and can cause damage to the legs and processor.

WARRANTY

Warranty Duration

Unless otherwise provided in writing by Halverson Wood Products Inc., Halverson Wood Products makes the following warranty to the first retail purchaser of each HWP-100 attachment:

6 Months from the date of delivery to the first retail purchaser.

Warranty Coverage

This warranty applies to the HWP-100 firewood attachment manufactured by Halverson Wood Products, Inc. All parts and components of the HWP-100 processor delivered to the original purchaser, which are found to be defective in materials and/or workmanship, will be repaired or replaced as Halverson Wood Products Inc. elects without charge for parts or repair labor if such defect appears within the warranty period as measured from the date of delivery to the first retail purchaser and if the delivery is reported within 30 days of delivery to:

Halverson Wood Products Inc. 218-587-2065, or 205 College St, Pine River, MN 56474, or Email: halversonwoodproducts@halversonwp.com

Obtaining Warranty Service

All warranty repair work must be authorized by Halverson Wood Products Inc *prior* to having the work performed. Call 218-587-2065 for authorization. At the time of requesting warranty service, the purchaser must be prepared to present evidence of the date of delivery of the HWP-100.

* Without Halverson Wood Products Inc's authorization, the warranty is void!

Warranty Exclusions

Halverson Wood Products' obligations shall not apply to any part or component not manufactured, furnished or installed by Halverson Wood Products, nor failures caused by such items.

Specifically excluded are failures of and damage to any vehicle or other piece of equipment, either rubber tired or tracked, upon which the HWP-100 is attached and any damage to the HWP-100 caused by failure on a vehicle or other piece of equipment upon which the firewood processor is attached.

Purchaser's Responsibilities

- The cost of normal maintenance and depreciation.
- Consequences of negligence, misuse, or accident involving the HWP-100.
- Consequences of service performed by someone other than a party authorized to perform warranty service, if such service, in Halverson Wood Products' judgment, has adversely affected the performance or reliability of the processor.
- Consequences of any modification or alteration of the machine or the attachment not approved by Halverson Wood Products Inc. These include, but are not limited to, hydraulic pressure settings, contamination of the hydraulic system, changes to the main frame, saw pivot and wedge mounts.
- The effects of hydraulic system neglect as manifested in hydraulic motor pitting, scoring, erosion, valve spool sticking and other internal component caused by cavitations, contamination, high oil temperatures and excessive hydraulic pressure.
- Consequences of excessive system back pressure within the machine to which the HWP-100 is attached. Excessive back pressure can cause degraded performance from the processor.
- Any premium for overtime labor requested by the purchaser.
- Costs of transporting the processor to and from the location at which the warranty service is performed.

WARRANTY, CONTINUED

Purchaser's Responsibilities, continued

- Cost incurred in gaining access to the machines or attachments. Overcoming physical barriers such as walls, fences, ditches, streams, or similar structures impeding access to the HWP-100 or rental of cranes or similar construction of ramps or lifts.
- · Incidental travel costs including tolls, meals, lodging and similar expense.
- Service outlet costs incurred in solving or attempting to solve non-warranty problems.
- Services performed by a party other than authorized Halverson Wood Products Inc. personnel.
- Charges by dealers for initial machine set up, installation, start up and inspection deemed unnecessary by Halverson Wood Products Inc. when operation and maintenance instructions supplied with the HWP-100 are followed.
- Cost of interpreting or translating services.

No Representation or Implied Warranty

Where permitted by law, neither Halverson Wood Products Inc. nor any company affiliated with it makes any guaranties, warranties, conditions, representations or promises expressed or implied, oral or written, as to the non-occurrence of any defect or the quality of performance of it's machines or attachments other than those set forth in the document and DOES NOT MAKE ANY IMPLIED WARRANTY OR CONDITIONS OF MERCHANTABILITY OR FITNESS otherwise provided in the Uniform Commercial Code or required by any Sale of Goods Act or any other statute. This exclusion includes fundamental terms. In no event will a Halverson Wood Products Inc. authorized dealer or a Halverson Wood Products Inc. authorized service facility, or Halverson Wood Products Inc. or any company affiliated with Halverson Wood Products Inc., be liable for incidental or consequential damages or injuries including, but not limited to, loss of profits, loss of firewood contracts, rental of substitute equipment or other commercial loss or damage suffered by the purchaser as a result of any fundamental breach of contract or breach of fundamental terms unless such damages are caused by the gross negligence or intentional acts of the foregoing parties.

Remedy Limitations

The remedies set forth in this warranty are the purchaser's exclusive remedies in connection with the performance of or any breach of guaranty, condition, or warranty in respect of the Halverson Wood Products Inc. firewood processors. In the event that the above warranty fails to correct purchaser's performance problems caused by defects in workmanship and or materials, purchaser's exclusive remedy shall be limited to payment by Halverson Wood Products Inc. of actual damages in an amount not to exceed the cost of the HWP-100 Firewood Processor.

No Sellers Warranty

No person or entity other than Halverson Wood Products Inc. who sells the HWP-100 firewood processor makes any guaranty or warranty of its own on any processor warranted by Halverson Wood Products Inc. unless it delivers to the purchaser a separate written guaranty certificate specifically guaranteeing the processor, in which case, Halverson Wood Products Inc. will have no obligation to the purchaser. Neither equipment distributors, equipment dealers, nor any other person or entity, has the authority to make a representation or promise on the behalf of Halverson Wood Products Inc. or to modify its terms in any way.

Replacement Parts Warranty

New Halverson Wood Products Inc. parts installed during firewood processor warranty service are warranted for 90 days (certain major parts may be warranted for longer periods) or the remaining warranty period of the processor, whichever is longer. A new processor replacing a failed processor is warranted for the remaining period of the original processor.

WARRANTY, CONTINUED

Warranty Transfer

The remainder of the original warranty may be transferred to the subsequent owner of the HWP-100 only by express written consent. Please report the transfer of ownership to Halverson Wood Products Inc. by phone at 218-587-2065 or by email.

E-mail: halversonwoodproducts@halversonwp.com

TROUBLE SHOOTING

Problem Possible Cause Solution

SAW STALLS WHEN LOWERED:

RPM too low Increase Engine RPMs

Bar is not getting oil See Page 10 Saw Oiler Section

OILER WILL NOT OIL:

Low oil Fill Oil

Hose to saw bar is kinked or cut Straighten or replace

Oiler is plugged Inspect check valve near saw bar

NOTHING WORKS WHEN BUTTONS ARE PUSHED:

Bad Fuse Check fuses in power plug Fraved wire Broken wire in power plug

Bad ground Check ground wire

Flow direction is wrong Reverse direction of flow Not getting any oil to processor Refer to skid steer manual

SAW DOES NOTHING WHEN SAW DOWN BUTTON IS PUSHED:

Adjust Limit Switch Limit Switch on splitter back

requires adjustment

OIL RESERVOIR DRAINS OUT OVERNIGHT:

Check valve stuck open Clean or replace

Oil delivery hose worn or broken Replace

SAW COMES DOWN AND CHAIN IS SPINNING BUT DOES NOT CUT:

Chain dull Sharpen or replace

Bar is rough on edges Replace bar

SAW CAVITATES OR BOUNCES WHEN CUTTING:

Not getting enough oil flow Increase RPM

to the Processor Adjust CB1 Valve

ATTACHMENT HARNESS 14 PIN OUT PLACEMENTS

*Suggested Pin Out-Please contact your skid steer dealer for specifics

	CAT Pre 2022	
J	POWER	Red
В	GROUND	Black
С	SAW DOWN	Yellow
D	SPLITTER OUT	Purple
Е	GRAB UP	Green
F	GRAB DOWN	Orange
Α	SPLITTER BACK	Blue

	KUBOTA	
K	POWER	Red
В	GROUND	Black
С	SAW DOWN	Yellow
D	SPLITTER OUT	Purple
F	GRAB UP	Green
E	GRAB DOWN	Orange
Н	SPLITTER BACK	Blue

CAT 2022 & Newer		
Р	POWER	Red
J	SHIFT/WEDGE	Grey
В	SAW DOWN	Black
С	SPLITTER OUT	Yellow
D	GRAB UP	Purple
Е	GRAB DOWN	Green
F	SPLITTER BACK	Orange
Α	TABLE OPEN	Blue

	KUBOTA SVL	
K	POWER	Red
В	GROUND	Black
С	SAW DOWN	Yellow
D	SHIFT/WEDGE	Grey
Е	GRAB UP	Green
F	GRAB DOWN	Orange
G	SPLIT	Purple
Н	TABLE OPEN	Blue

BOBCAT		
K	POWER	Red
В	GROUND	Black
Н	SAW DOWN	Yellow
Α	SPLITTER OUT	Purple
F	GRAB UP	Green
Е	GRAB DOWN	Orange
D	SPLITTER BACK	Blue
G	SHIFT/WEDGE	Grey

	JCB-VOLVO	
K	POWER	Red
В	GROUND	Black
Н	SAW DOWN	Yellow
С	SPLITTER OUT	Purple
F	GRAB UP	Green
Е	GRAB DOWN	Orange
D	SPLITTER BACK	Blue
G	SHIFT/WEDGE	Grey

CASE		
K	POWER	Red
В	GROUND	Black
G	SAW DOWN	Yellow
Е	SPLITTER OUT	Purple
С	GRAB UP	Green
D	GRAB DOWN	Orange
F	SPLITTER BACK	Blue

GEHL-MUSTANG		
Α	POWER	Red
В	GROUND	Black
G	SAW DOWN	Yellow
Е	SPLITTER OUT	Purple
D	GRAB UP	Green
С	GRAB DOWN	Orange
F	SPLITTER BACK	Blue

TEREX-ASV-TAKEUCHI		
K	POWER	Red
В	GROUND	Black
J	SAW DOWN	Yellow
Е	SPLITTER OUT	Purple
D	GRAB UP	Green
С	GRAB DOWN	Orange
F	SPLITTER BACK	Blue

NEW HOLLAND			
J	POWER	Red	
В	GROUND	GROUND Black	
CAT	SAW DOWN	Yellow	
Е	SPLITTER OUT	Purple	
C	GRAB UP Green		
D	GRAB DOWN Orange		
F	SPLITTER BACK	Blue	

WACKER NEWSON		
K	POWER	Red
В	GROUND	Black
С	GRAB DOWN	Orange
D	GRAB UP	Green
Е	TABLE OPEN	Blue
F	TABLE SPLIT Purple	
G	SAW DOWN	Yellow
Н	SHIFT/WEDGE	Grey

JOHN DEERE		
Н	POWER	Red
Α	GROUND	Black
D	GRAB ARM UP	Green
G	SPLITTER OUT	Purple
F	GRAB UP	Blue
С	SPLITTER BACK	Yellow
Е	GRAB ARM DOWN	Orange

J	JOHN DEERE 2023 & NEWER		
K	POWER	Red	
Α	GROUND	Black	
С	GRAB DOWN	Orange	
G	GRAB UP	Green	
D	TABLE OPEN	Blue	
Е	SPLIT Purple		
F	SAW DOWN	Yellow	
Н	SHIFT/WEDGE	Grey	

Serial #:
Date Purchased:

Manual Release Form

By signing below, the Customer (Purchaser) acknowledges the following:

I have received the HWP-100 Operations/Safety Manual.

I have read and understand the HWP-100 Operations/Safety Manual.

Halverson Wood Products Inc accepts no responsibility for misuse of the HWP-100 Firewood Processor.

Any modifications to the HWP-100 Firewood Processor not performed by authorized service technicians will void warranty.

Signature	Date	

gistration ewood Processor

Return to:

Halverson Wood Products Inc 205 College St Pine River, MN 56474