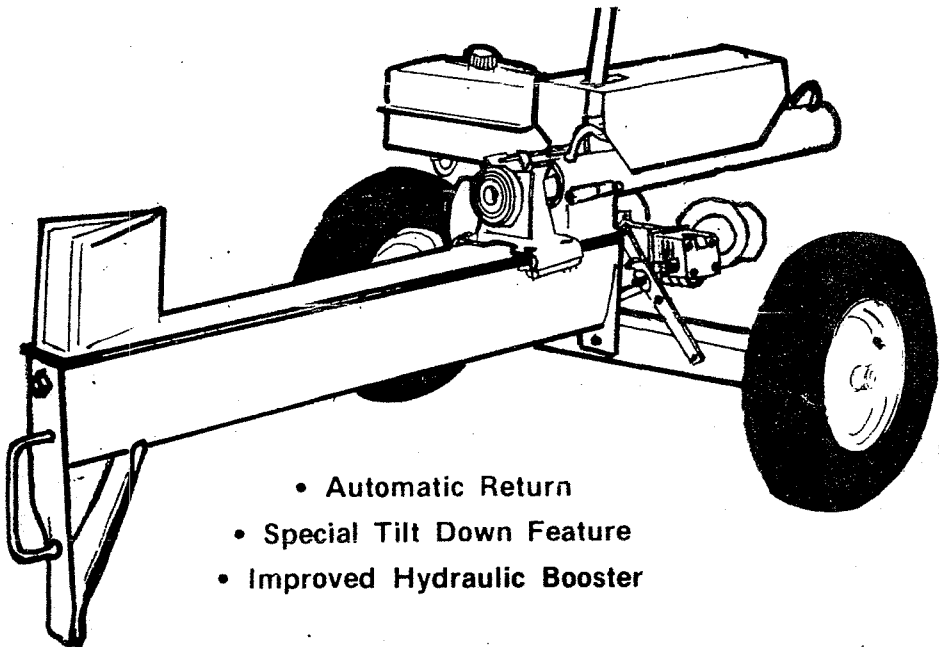


LOG BOSS



- Automatic Return
- Special Tilt Down Feature
- Improved Hydraulic Booster

OWNER'S MANUAL

TROUBLE SHOOTING GUIDE

SYMPTOMS	Pump Assembly	Engine	Booster	Cylinder	Linkage	Fluid Level Kinked Hose
Slow movement	✓	✓			✓	✓
Low power			*	*	✓	✓
Erratic power	✓		*	*		✓
No forward or reverse	✓				✓	✓
Doesn't kill engine	See Section On "Adjusting Booster Shifter"					
Engine doesn't run		✓			✓	
Engine runs machine doesn't move, noisy	✓	✓				

* To check for hydraulic leakage in the booster--remove shroud and feel for heat buildup.

* For cylinder or piston leakage, put machine under load and remove shroud--feel for heat buildup at location of piston, not by exhaust.



THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH IF NOT FOLLOWED COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS.



□ □ SAFETY BULLETIN □ □

Your new log splitter has been designed to split your wood as safely as possible. Because of the high power of the machine, some danger of personal injury is unavoidable. Certain safety rules must be followed by the operator to assure safe operation. Observe the following rules for safe operation.



Wear gloves and eye protection.



Don't use the machine for purposes other than splitting wood.



Never trust the machine to stop or stay stopped when loading the machine with wood.



STAY ALERT! Don't let the monotony of hours of log splitting make you careless. The machine is guaranteed to cut anything you put in it including you. One careless second could cost you a finger or a hand for life! Use your brains because this machine has none.




Don't grab the logs on the ends when loading the machine. This places your fingers and hands in the pinch zones. Handle logs on the sides for safety.





Don't let untrained people use the machine. Have your friend or neighbor read the safety bulletin before you loan them the machine. Show them how to use the splitter safely.




Don't cut logs cross grain. Cross grain cutting builds up full tonnage which suddenly released as the wood is cut can send wood flying as much as twenty feet. If you cut wood cross grain, warn observers not to stand in the way of the flying chunks of wood.

 The hydraulic system on the Log Boss uses very high oil pressure and any leaks should not be touched if they are spraying oil. The 1500 P.S.I. will penetrate the skin under the right conditions. The Log Boss hydraulic system develops up to 8000 P.S.I. If oil is blown into your skin, SEE YOUR PHYSICIAN WITHOUT DELAY!

 Keep guards and shields on the machine. Do not operate the machine unless guards and shields are on the machine.

 Do not use the machine unless it is in proper working order. Using a machine with a disconnected or broken automatic return can be dangerous.

 Do not use substitute hydraulic systems to power the splitter such as the pump on a farm tractor. Excess input pressure will cause breakage of the machine and possible personal injury.

 Don't let chunks of wood fall on your toes. Wear steel toed shoes or be careful.

 When tilting the splitter, don't hit an observer's leg with the wedge.

□ □ OPERATORS MANUAL □ □

OIL AND FUEL RECOMMENDATIONS

Your Log Boss oil reservoir has been filled at the factory with Amoco 1000 fluid. **IMPORTANT!** Do not add any other kind of hydraulic fluid to the machine. To do so could ruin the hydraulic system. Because of the ultra high pressure of the Log Boss hydraulic system, many oil products are inadequate and will cause immediate failure. Amoco 1000 Fluid has been proven the best fluid for the job. Adding any other oil will void your guarantee. See your Standard Oil dealer for oil.

AUTOMATIC RETURN MECHANISM

Your log splitter is equipped with an automatic return device that reverses the control lever when the ram is fully extended. The mechanism also stops the ram when it is fully retracted and idles down the engine. Thus, once the log is put into the machine and the lever is pushed toward the wedge, the machine will automatically split the log and reset itself for the next log. This gives the operator more time to get the next log up to the machine for the next split. The mechanism also protects the cylinder from running against the end of its stroke. Because of the high power of the cylinder, if the ram is not reversed, the snap ring that holds the front seal in place will blow out. Do not operate the log splitter if the return mechanism is not functioning.

ENGINE

Read the Tecumseh owner's manual before operating the engine. **WARNING!** Your Log Boss hydraulic system has no by-pass valve. The engine will kill when the load on the ram exceeds maximum capacity of engine. Do not replace the engine with an engine with more horse power. Our machines are power matched to the pumps and larger engines will blow the pump. Increasing the horse power will void the warranty.

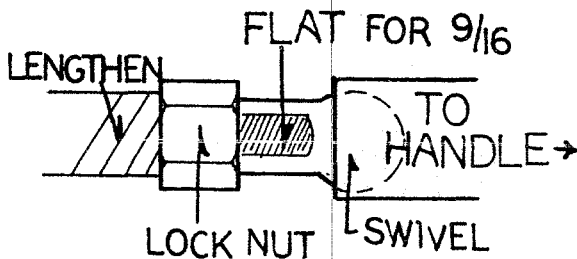
OIL LEVEL

The oil level should be even with the bottom of the filler plug hole when the machine is standing on level ground and the ram is fully retracted. Air space in the reservoir is necessary for proper operation. **WARNING! DO NOT OVERFILL!** Overfilling will starve the pump for oil. If the machine is overfilled with the ram extended, when the ram is retracted, the intake hose will burst. Add oil only when the oil level is down at least one inch.

ADJUSTING THE BOOSTER SHIFTER

If you find ram stops while splitting, but engine continues to run, the following steps should be carefully followed to restore power.

Check for "cinch" on forward side of stroke. Last 2 inches travel of nob cinching should be felt. If cinch is felt repair service is required, otherwise continue self service as described.



1. Shift lever forward.
2. With wrench on lock nut and 9/16 wrench on collar in front of lock nut loosen lock nut.
3. With a 9/16 wrench turn collar counter-clockwise a part turn while holding shifter stem from turning.
4. Recheck "cinch" on handle by moving lever to reverse and forward several times feeling for "cinch". If "cinch" is felt retighten lock nut. If not, repeat steps 3 and 4.

PERIODIC MAINTENANCE REQUIREMENTS

1. Check oil level - with ram in not extended. Oil level should be approximately 1" below oil filler hole.
2. Grease cam on lever.
3. Check engine oil each time before starting.
4. Check guide shoes (on under side of ram head) for excessive wear. Worn, cracked guide shoes put undue wear on ram bushing and should be replaced immediately.
5. Put light oil on throttle cable so it runs into housing and allows for freer motion.
6. Nicks on the wedge can be easily fixed with sharp file.

After a few hours of operation -- with allen wrench tighten set screws on pump coupler with machine tilted down. Hand crank engine while looking through slot in pump bracket. Tighten set screws (2 in each end) when they turn to an accessible position.

REGISTRATION CARD

This is to certify that the operation and instruction manual for the safe operation of this Log Boss Logsplitter has been and will be carefully followed.


Date _____ Serial No. _____ Model No. _____

Street Address _____
City or Town _____

Log Boss Logsplitter Was Purchased From:

Distributor or Dealer _____
Street Address _____
City or Town _____

SIGNATURE _____




Wells Manufacturing, Inc. subject to the limitations contained below, will, at its option, repair or replace, without charge for parts or labor only, any part or parts of a new LOG BOSS LOGSPLITTER except the engine (see paragraph below) which is found upon examination by any authorized Log Boss Wells Manufacturing, Inc. authorized service outlet or by the Log Boss Wells Manufacturing, Inc. factory in Marble Rock, Iowa to be defective in material and/or workmanship for a period of 90 days.

Alterations or modifications of the Log Boss Logsplitter shall terminate this warranty.

IN NO EVENT WILL WELLS MANUFACTURING, INC. BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES AND/OR EXPENSES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

The engine used to power the Log Boss Logsplitter is covered by its own warranty. Consult Engine Manual.



-----CUT HERE-----

QUALITY CONTROL REPORT

DATE PURCHASED _____

PRICE PAID (OPTIONAL) _____

Were you treated well by the Dealer/Distributor after the sale? _____

Any problems with the machine? _____

Does the machine meet your splitting needs? _____

Any Remarks _____