



Hesston

Operator's Manual

1014

Windrower

Operator's Manual

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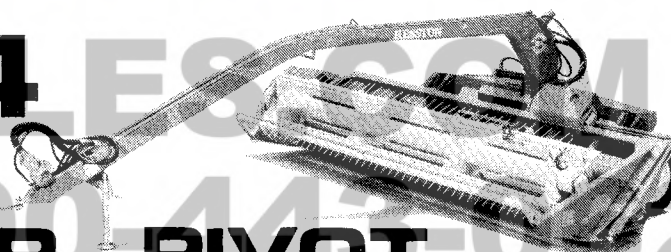
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CENTER PIVOT

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OPERATOR'S MANUAL

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SERVICING

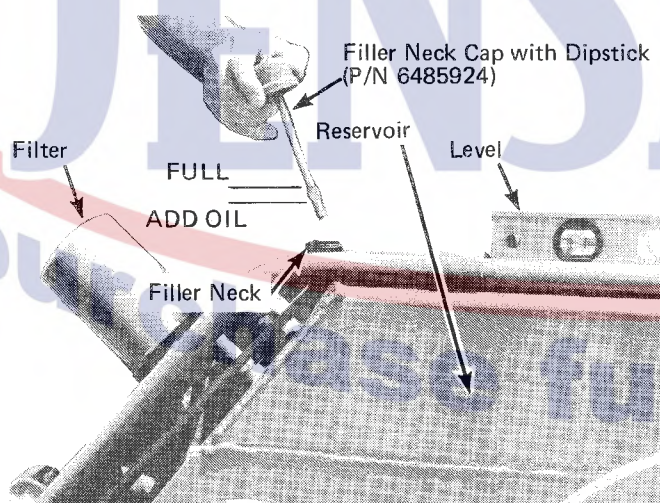
This section contains instructions for maintaining the hydraulic system, chain oilers, and tires.

HYDRAULIC SYSTEM

The Hydro Swing 1014 Center Pivot is hydraulically powered using a self-contained hydraulic system to operate the header functions and the tractor remote system to operate the header lift cylinder and steering cylinder. The cylinders and associated hydraulic lines for raising and lowering the header and steering the machine are connected to the tractor's remote hydraulic system for operation. Therefore, there are no servicing instructions in this manual concerning these components.

RESERVOIR CHECKING

The windrower's self-contained hydraulic system uses the tongue of the machine for the hydraulic fluid reservoir. The filler neck is located near the rear end of the tongue just in front of the filter. The top surface of the tongue must be level when checking the reservoir oil level. See illustration for checking tongue levelness. Check the oil level daily, using the dipstick attached to the filler neck cap. FULL oil level is at the top of the flat area on the stick and oil should be added when the level reaches the lower edge of the flat area. See illustration.



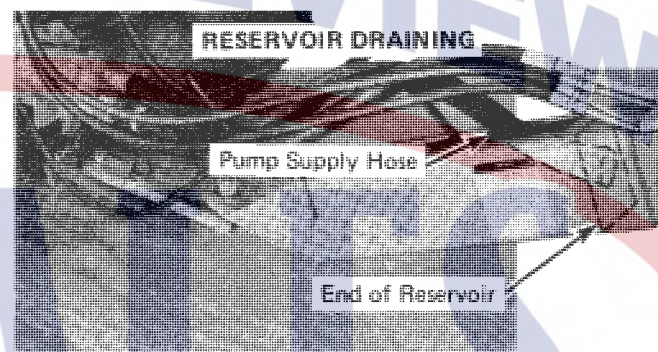
NOTICE: It is important that the tongue is level when checking the oil level since a very small amount of being out of level can result in several gallons of oil either over-filled or low. A low oil level can result in starving the pump, which will damage it when going up hill.

RESERVOIR FILLING

Fill reservoir with 20-20W SE engine oil to level specified in paragraph Reservoir Checking. Total capacity of reservoir is 24 gallons.

RESERVOIR DRAINING

Drain the reservoir by disconnecting the pump supply hose from the pump. Be prepared to catch a large quantity of oil as the reservoir could have over 20 gallons.



HYDRAULIC SYSTEM FILTER

Change at first 50 hours; thereafter every 250 hours of operation or beginning each season, whichever comes first. Install the filter hand tight.

CHAIN OILERS

Fill with automatic transmission fluid.

TIRES

Check the tire pressure daily and maintain as follows:

9.5L x 14, 4 ply flotation	35 psi
Gauge Wheel - 13 x 5:00-6, 4 ply	35 psi

FLOTATION SPRING ADJUSTMENT. The flotation springs on each side of the machine should be adjusted to support that end of the header to the specified weight. All of the springs on a side will be adjusted to the same length. To check for levelness of header, place machine on level ground and position header approximately 12 inches above the ground. Check that tire pressures are the same and that header lift arms are both in either the 8° or the 4° setting. The header should also be level if the springs on both sides are adjusted to the specified weight. To check for correct spring tension after leveling header, lower header to the ground. With a set of scales for lifting (one that load is suspended from it), attach to header and lift. Header should begin to raise at approximately 75 pounds. At a weight less than 75 pounds, the header may not stay on the ground during FLOAT position operation (if tractor control valve is so equipped). At a heavier weight, the guards may be forced into the ground on uneven terrain. When adding a gauge wheel kit or a cutterbar wear plate kit to the header, the flotation spring tension will have to be increased to compensate for the additional weight. Also, if the gauge wheel height is changed, change the flotation spring tension. Change spring tension as follows:

1. Raise header until tension is just relieved from springs.

2. Engage header lift safety locks.

3. Loosen jam nut at lower end of spring.

4. Adjust tension by loosening or tightening adjustment bolts evenly on each side. It is important that all springs on each side are adjusted to the same length.

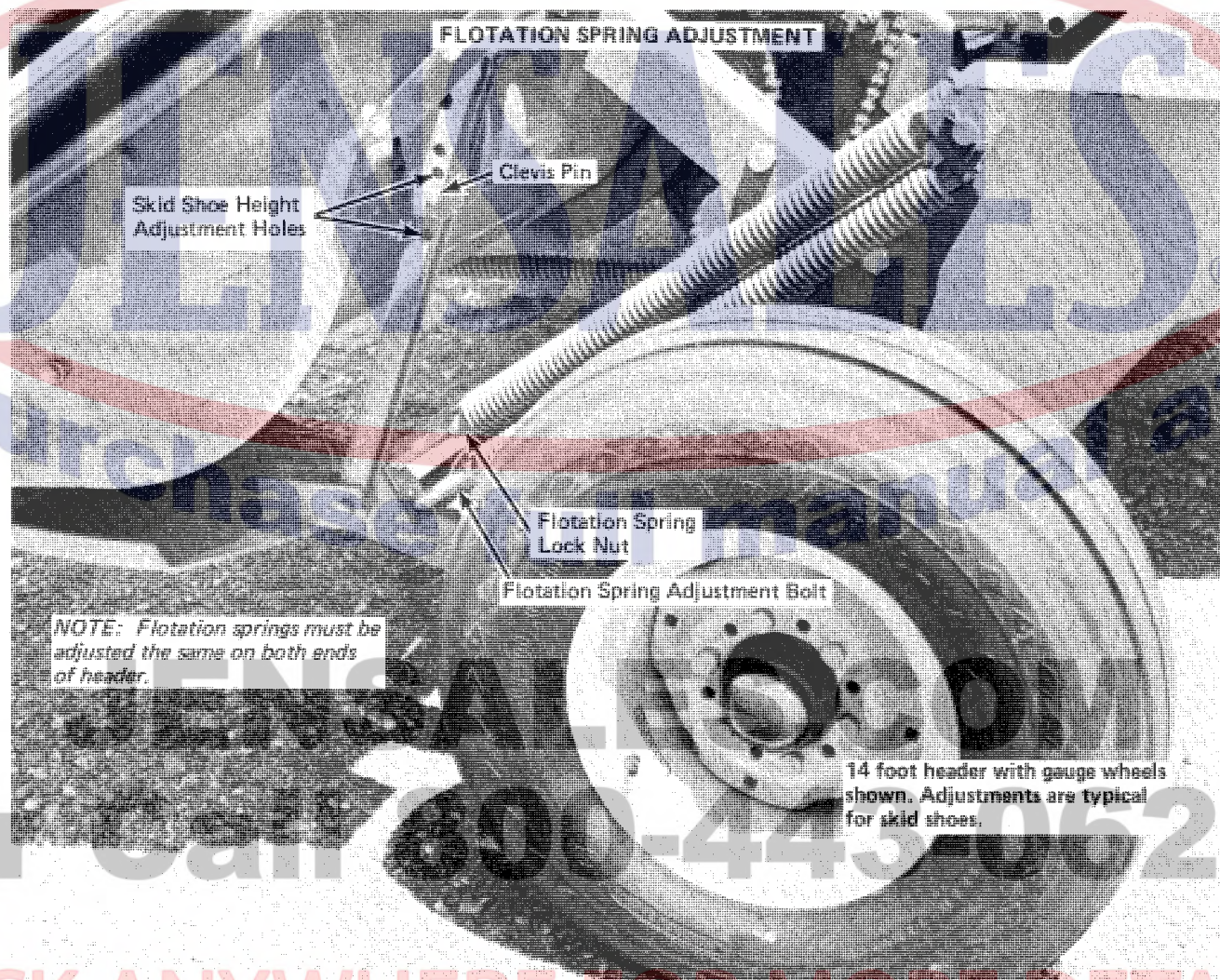
5. Tighten jam nut, stow safety lock, and lower header to make weight check.

SKID SHOE (or Gauge Wheel) ADJUSTMENT. Refer to Flotation Spring Adjustment Illustration and adjust as follows:

1. Raise header and disengage header drive.

2. Remove clevis pin and raise or lower skid shoes (or gauge wheels) on both sides equally (so header remains level) to desired height. Install clevis pins in height adjustment hole and secure with hair pin cotter.

3. Lower header to operating position.

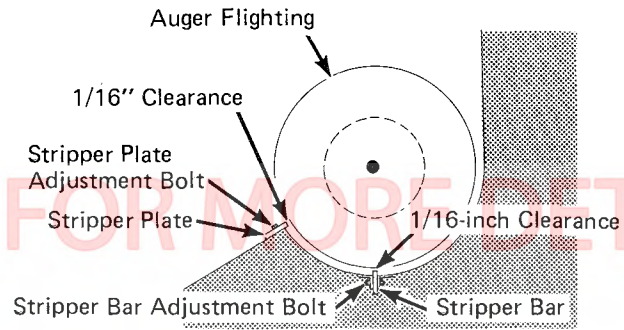


MAINTENANCE

AUGER STRIPPER ADJUSTMENT

Properly adjusted stripper bar and stripper plates will move the material evenly along the front of the auger.

1. Adjust stripper bar vertically so there is a 1/16-inch clearance between auger flighting and bar. Adjustment bolts for stripper bar are reached from underside of auger pan.
2. The front stripper plate must be adjusted so it's working edge clears auger flighting by 1/16". Bolts attaching plate are carriage type, and must be reached from underside of auger pan.



REEL

The reel is relatively maintenance-free and will require adjustment only for exceptional crop conditions. The reel can be moved forward and up or down by adjustment and the speed can be varied. The tines are controlled by guide rollers operating inside the cam track which is adjustable.

REEL SPEED ADJUSTMENT

Reel speed should be about 20 percent faster than the ground speed. When using a speed up sprocket for faster auger speed, it might be necessary to slow down reel speed.

To change the reel speed:

1. Remove the six bolts from the reel drive sheave.
2. To increase reel speed, remove spacers from between the two halves of the drive sheave, and place in storage position.

CAUTION: Always leave one set of spacers on the outside of the reel drive sheave.

3. To decrease reel speed remove the spacers from the storage position and place them between the halves of the sheave.

4. Replace bolts in drive sheave.

REEL DRIVE BELT ADJUSTMENT

When the reel belt is correctly adjusted it will take 15 pounds to raise the idler pulley.

To increase belt tension, remove spring clip and fasten to the next lower hole.

When a new belt is installed or the reel is moved to its forward position, it may be necessary to change the upper spring bracket. Remove the tightener idler nut and use the top hole of the upper spring bracket.



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