



Hesston
Operator's Manual

**280 Windrower
Conditioner**

JENSALES.COM
or Call **800-443-0625**



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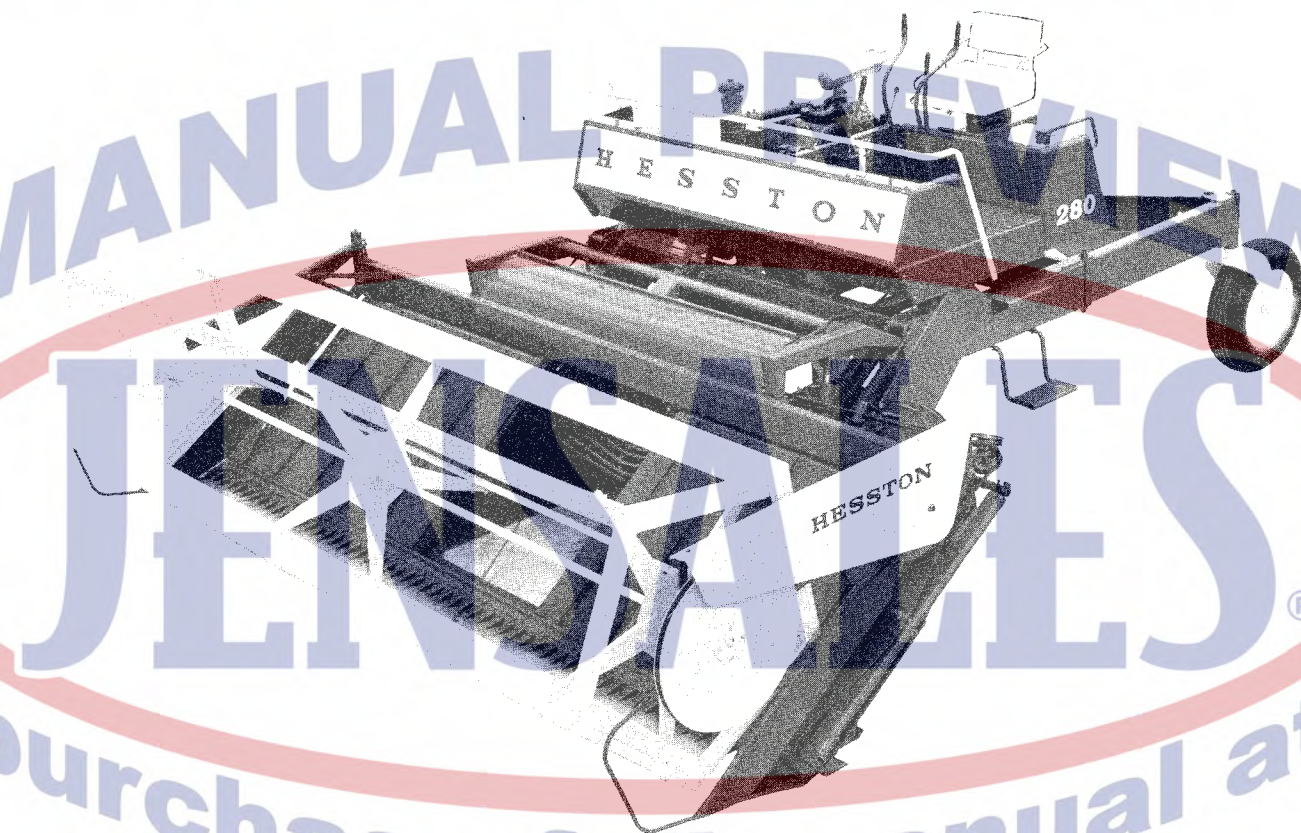
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HES-O-280 WIND

Operator's Manual

HESSTON 280

WINDROWER - CONDITIONER



TO THE NEW OWNER

The purpose of this Owner's Manual is to assist the operator assemble, operate, and service the Hesston Self-Propelled Windrower-Conditioner. Read it carefully, it furnishes information and instructions that will help you achieve years of dependable performance. The operator, by methodic operation and maintenance, may complement the efficient and economical features built into this machine. Due consideration should be given to the engine --- IT IS AN IMPORTANT PART OF THIS MACHINE. An instruction manual is included for the engine. The nearest dealer and distributor of this engine stand ready to service it and are listed in the back of their manual.

The Delivery and Warranty Registration forms perform several functions when properly completed. One of which is to register the machine at the factory, thereby validating the warranty. The new owner is urged to be sure all of the procedures outlined on the Delivery and Warranty Registration covering his machine have been completed and that the various copies of the form have been forwarded to the respective recipients.

When ordering parts, BE SURE to state the width of header (10'-12'-14' or 16'), also, give the Serial Number of the machine. DO NOT FAIL to order parts by correct Part Number.

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CLICK ANYWHERE FOR MORE DETAILS

SPECIFICATIONS

Model Designation	10'	12'	14'	16'
Width of Cut	120"	144"	168"	192"
Overall Width	133-1/2"	157-1/2"	181-1/2"	205-1/2"
Approximate Weight (Lbs.)	3,575*	3,680*	3,750*	3,840*
Tire Sizes:				
Drive (2)				7.50 x 18
Rear (1)				7.60 x 15
Tred Width			Adjustable from 100" to 112"	
Wheelbase				10' 8"
Turning Radius				0"
Transmission				V-belt
Speed Range			2-1/3 to 8-1/2 mph	
Header Range			4" Below Wheel Level to + 25"	
Sickle Height From Ground				1"
Platform Depth				44"
Platform Angle				36°
Number of Reel Bats				5
Reel Bat Width				6"
Reel Diameter				52"
Electrical System				12 Volt
Sickle Speed				640 s.p.m.
Sickle Stroke				3"
Engine Make (Gasoline)				Wisconsin
Model				VG4D
Horsepower				36
Displacement, cu. in.				154
Reverse Shaft rpm				1265
Engine Make (Gasoline)				Ford
Model				134
Horsepower				40
Displacement, cu. in.				134
Reverse Shaft rpm				1265
For Special Applications Where Conditioner Will Not Be Used:				
Model				Wisconsin VH4D
Horsepower				30
Displacement, cu. in.				107.7
Reverse Shaft rpm				1265
Standard Equipment:				
Hydraulic platform and reel control, trim steering, starter, generator, battery cable (less battery.)				
Extra and/or Optional Equipment:				
Extra 7.50 x 18 wheels and tires for dual mounting, rubberized and full rubber drapers, header gauge wheels, windrow forming rods, electric lights with safety warning light kit, vertical sickle, ground drive reel, narrow opening kit, tri-phase air cleaner for Wisconsin engine, dual tail wheels, disk brakes.				
Attachments:				
Pick-up attachment; sprayer and cab. (Information available upon request.)				

*Deduct 125 lbs. when using VH4D Wisconsin engine.

*Add 150 lbs. when using Ford gas engine.

Because of Hesston's constant efforts to produce better farm equipment for its customers, specifications are subject to change without notice.

TRAILING THE SELF-PROPELLED WINDROWER

If tractor is trailed over 15 mph, REMOVE UPPER DRIVE CHAIN ON EACH DRIVE WHEEL.

If tractor is trailed at low speed (DRIVE CHAINS ARE NOT REMOVED) slip the shifter belts out of groove of the large 14" diameter sheaves. Tie belts so sheaves do not rub or damage belts.

3. Loosen outer nut of jackshaft spindle. Tighten lower drive chain until there is approximately 1" deflection in chain midway between the sprockets by rotating jackshaft spindle. (See Figure 6)

IMPORTANT: If the windrower is towed over 15 mph, Remove Drive Chains.

4. Hold jackshaft spindle in position, and tighten nut.
5. To adjust upper chain, rotate wheel until upper chain is at tightest position and adjust the idler for 1" deflection in chain.

STEERING LINK ADJUSTMENT:

Never suddenly reverse one wheel to make a turn when traveling at a high speed.

1. Normally the only steering adjustment required will be to tighten the shifter drive belts. This is done by raising the idler in slot of shifter arms. (See Figure 7.)
2. The over-center stop is adjusted so the steering lever will stay in forward position, but not be difficult to disengage. (See Figure 8.)

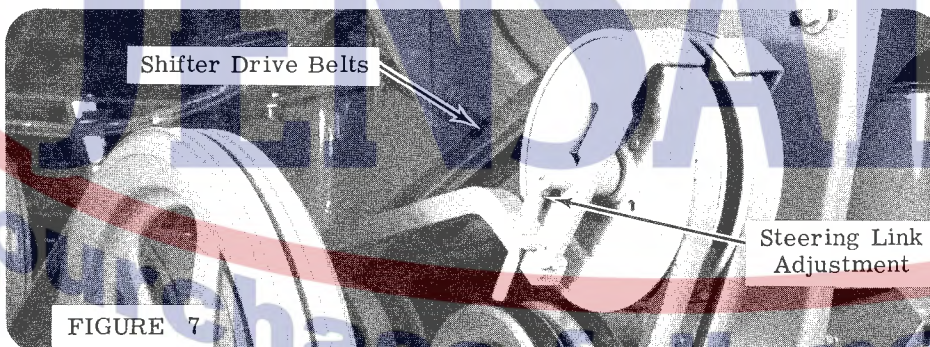


FIGURE 7

TRIM-STEERING ADJUSTMENT:

1. Keep tension of shifter belts equal. If the right belt is over tensioned, machine will drift to the right. (See Figure 8.)
2. Adjust drag link (under operator's platform) so that the steering lever is straight up and down when shifter belts are in equal diameter over trim steering drive sheaves. (See Figure 9.)

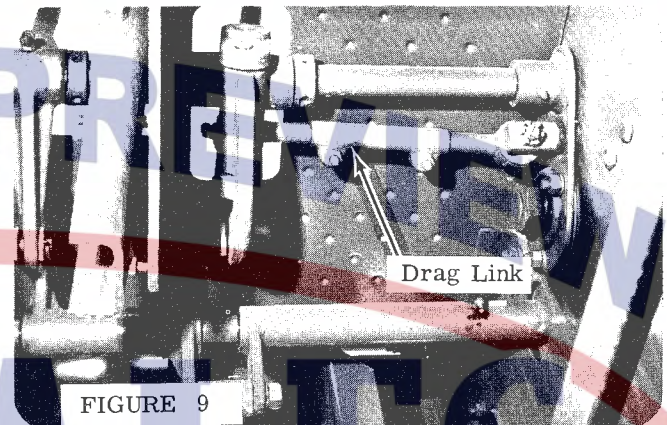


FIGURE 9

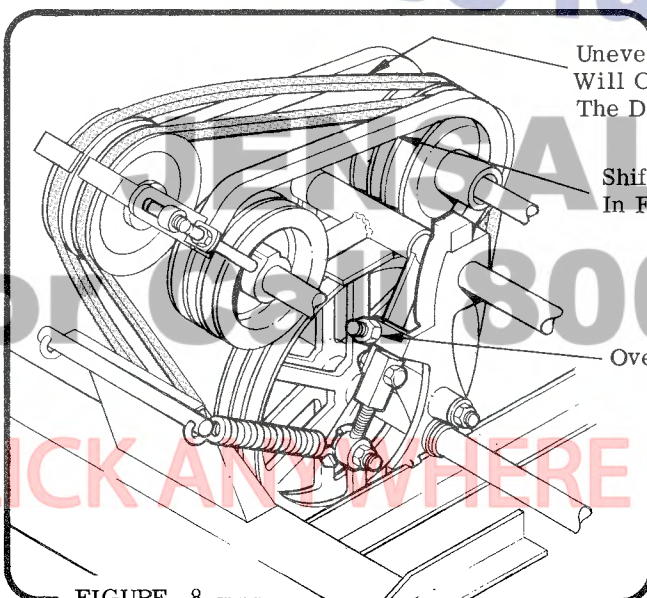


FIGURE 8

PARKING BRAKE ADJUSTMENT:

1. To adjust the travel of the brake pedal, change the length of control linkage. Alternate holes in arm of brake shoe can be used to provide fine adjustment. (See Figure 10.)

NOTE: Adjust draper tension for field use on night-time storage by a simple turn of a lever. Positive tension control eliminates needless slap, helps maintain alignment, and prolongs draper life.

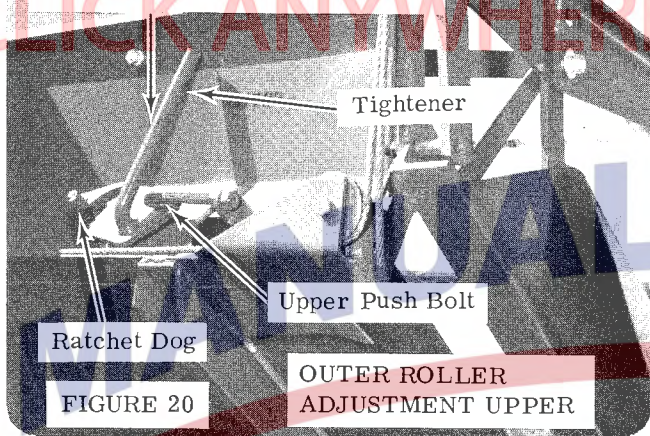


FIGURE 20

DRAPER DRIVE BELT TENSION ADJUSTMENT:

1. Increase the tension of draper drive belt by enlarging the effective diameter of the adjustable sheave of right-hand roller. See figure 16.
2. For additional adjustment, remove the three spacers between half sheaves of pitman drive sheave. Readjust the threaded adjustable sheave accordingly. This arrangement of effective diameter of right and left draper drive sheave increases the relative speed of the right draper. See figure 16. (Page 10)

PLATFORM LEVELING AND FLOTATION SPRING ADJUSTMENT:

1. With machine on a level surface and proper tire pressure, raise platform approximately 12".
2. If each end of the platform is not an equal height, loosen leveling adjustment bolt and level platform from right to left and retighten bolt. See fig. 23.
3. REMOVE BOLT FROM PLATFORM LEVELING ARM when cutting on the ground. When the bolt is removed, radial platform flotation lets the header follow ground contour. See figure 23.
4. Set the header flotation springs for equal tension when the header is lowered -- approximately 75 lbs. should lift either divider point. Failure to do this will cause excessive wear of draper belts and chains. See figure 24.

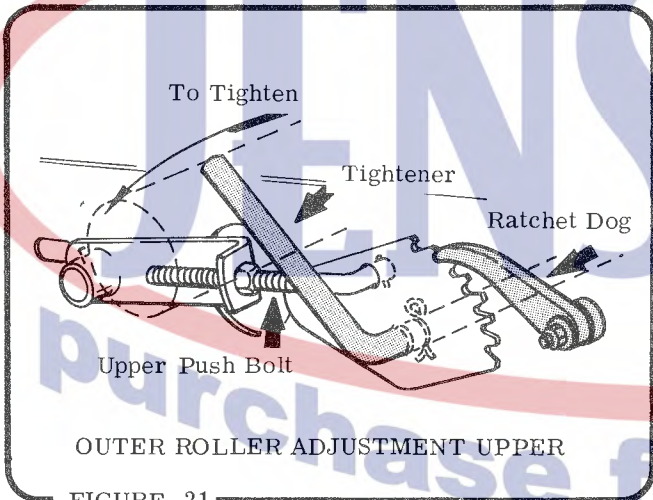


FIGURE 21

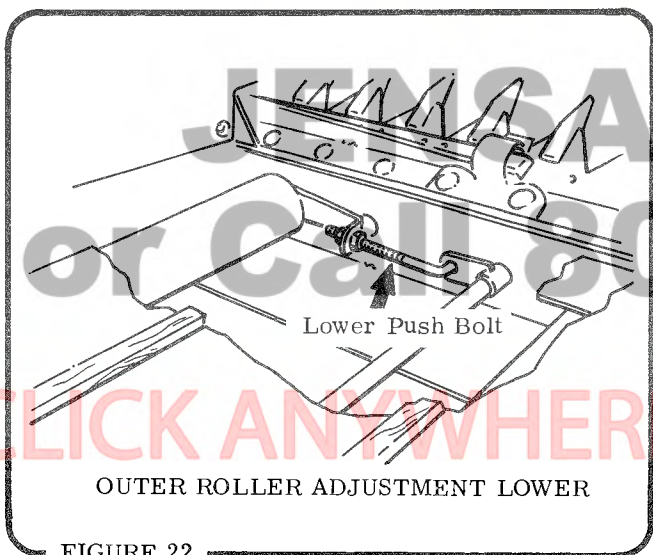


FIGURE 22

NOTE: Remove bolt from the platform leveling arm when floating the header on the ground.

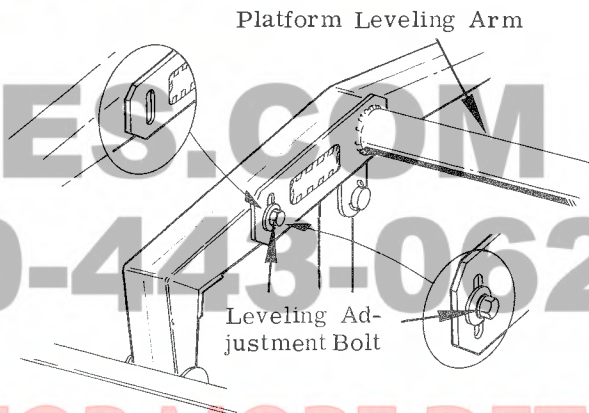


FIGURE 23