

FORAGE HARVESTER NO. 8



OPERATORS MANUAL FORAGE HARVESTER NO. 8

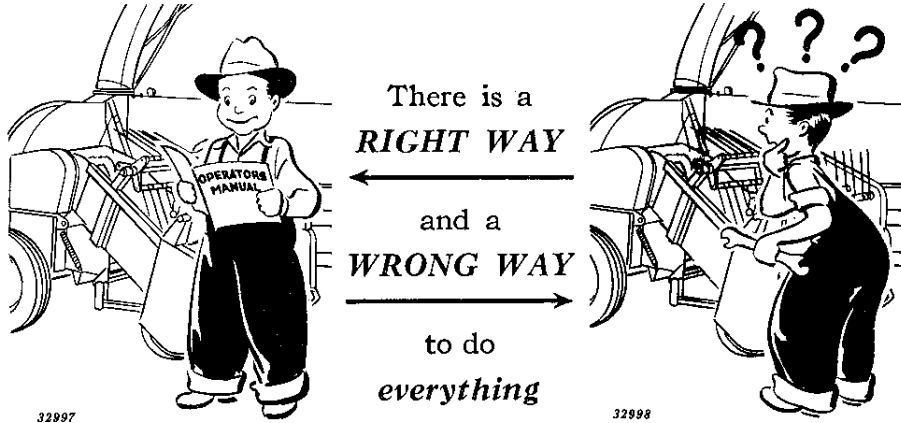
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INTRODUCTION

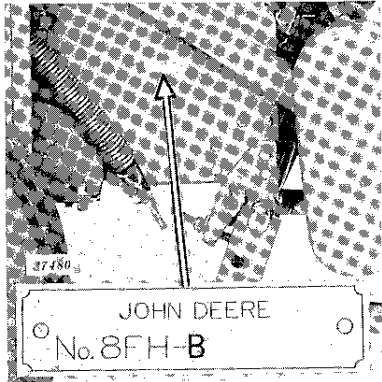


Your new John Deere No. 8 Forage Harvester is a dependable machine, but only by proper care and operation can you expect to receive the service and long life designed and built into it. Like any precision machine, your Harvester will require a certain amount of attention at regular intervals. When any questions arise regarding lubrication, operation, or maintenance, use your manual as a guide to service your machine the **RIGHT WAY**.

If you find yourself in need of additional information or special servicing not covered in this manual, see your John Deere dealer. He is in a position to answer your questions for you, or to secure the correct information.

When in need of parts either to replace worn parts or to make emergency repairs, see your local John Deere dealer.

When ordering parts, provide your dealer with the serial number of your harvester or attachment, depending on the parts you need. This information will help him to give you prompt and efficient service.



The Serial No. of your machine is located on the lower R.H. portion of the feed roll housing. (Record it in the space at the left.) (Record the Serial No. of the Attachments in the spaces provided below.)

- No. 8FH-P
- No. 8FH-R
- No. 8FH-S

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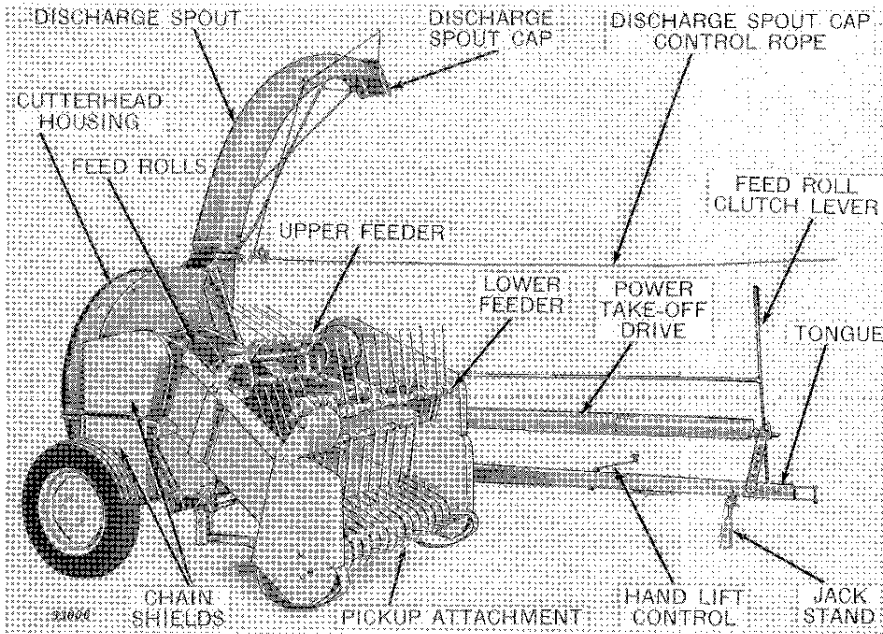
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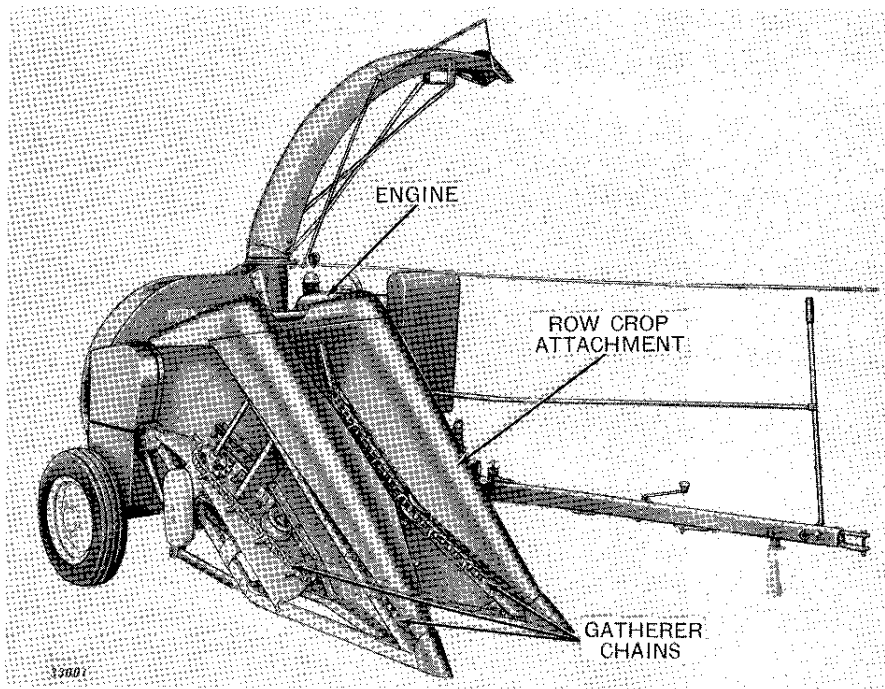
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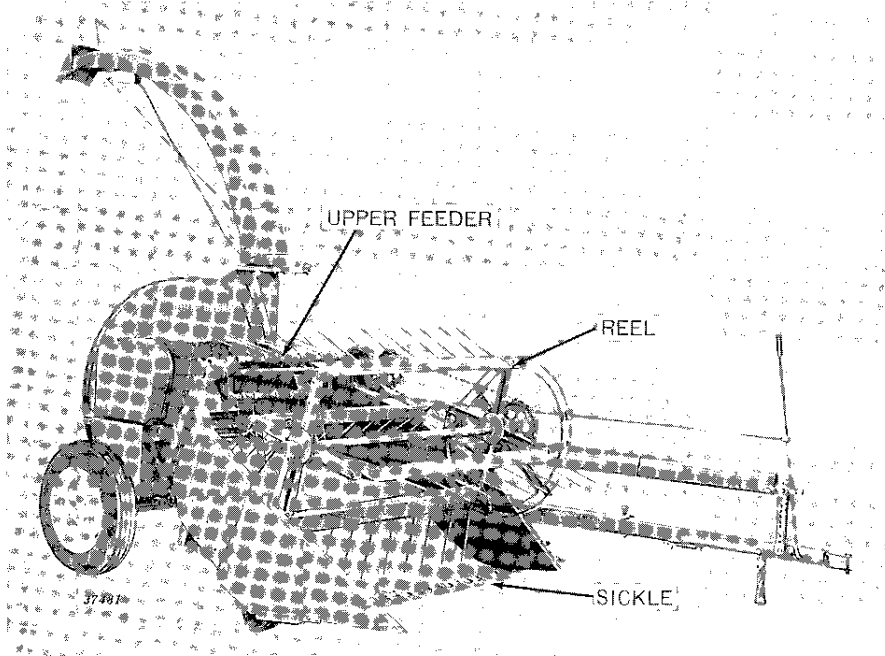
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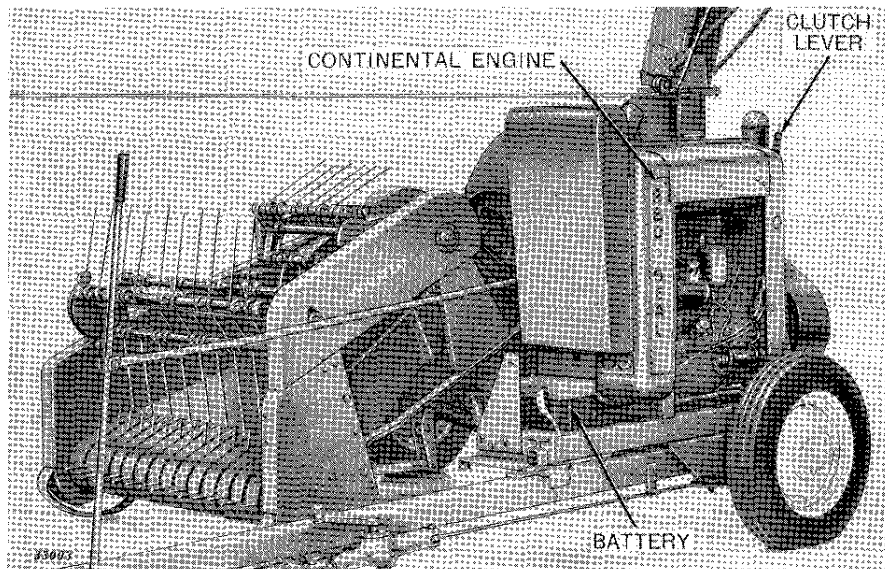
John Deere No. 8 Forage Harvester with Pickup Attachment



John Deere No. 8 Forage Harvester with Row Crop Attachment



John Deere No. 8 Forage Harvester with Mower Bar Attachment



John Deere No. 8 Forage Harvester with Continental Engine

SPECIFICATIONS AND DATA

Width of Basic Machine Less Attachments	7 ft. 10 in.
Width in Transport Position With Pickup	8 ft. 3 in.
Height in Transport Position (With Spout)	10 ft.
(Less Spout)	5 ft. 9 in.
Overall Length	13 ft.
Tires	L.H. 600 x 16—4-ply R.H. 600 x 16—6-ply
Tire Pressure	L.H. 32 lbs. R.H. 40 lbs.
Number of Knives	2, 3, or 6
Length of Knives	19-21/32 in.
Type of Cutter	Flywheel
Length of Cuts: Regular	5/16 through 3-9/16
Special	1/2 through 2-7/8
Pickup Width (Inside)	52 in.
Mower Bar Width (Inside)	60 in.
Size of Tractor Recommended	3-Plow Tractor
Types of Material Which Can Be Cut (Pickup)	Common Leguminous Crops and Straw (Row Crop) . . . Corn, Cane, Hegari, Sorgo, and Maize (Mower Bar) . . . Standing Leguminous Crops, Grain and Topped Grain Stubble
Speed of Tractor Power Shaft	536 rpm ASAE Std.
Speed of Cutterhead (With 10 in. Pulley)	648 rpm
(With 12 in. Pulley)	450 rpm
Weight of Machine (Approximate) with:	Pickup Row Crop Mower Bar
Power Take-Off	3100 3240 3350
Engine	3800 3940 4150

NOTE: Right- and left-hand sides referred to in this manual are determined from a position at the rear of the machine facing in the direction of travel.

(It is John Deere policy to improve our machines at every opportunity. Consequently it may be necessary to change design without notice.)

OPERATION AND ADJUSTMENTS CONTROLS

The controls necessary for operation of your John Deere No. 8 Harvester are listed below. Before operating your machine study the controls and pre-operating instructions as shown on Pages 8 and 9.



Do not try to make adjustments while the harvester or tractor is running.

FEED ROLL CLUTCH

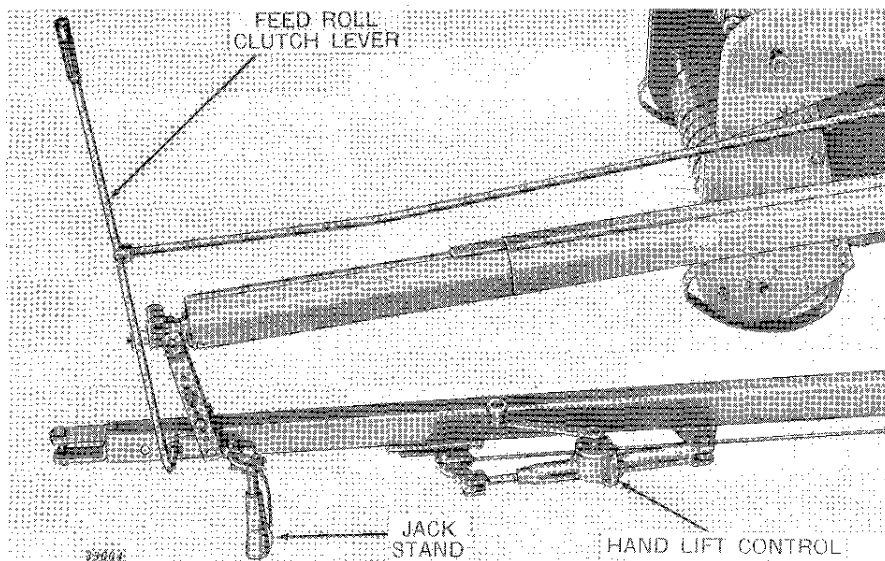
The clutch lever which controls the direction of the feed rolls is easily reached from the tractor seat. Should congestion occur, the feed rolls can be quickly reversed by pushing the lever away from the tractor. The congestion is broken up without leaving the tractor seat and you are able to shift back into the forward position and resume operation.

JACK STAND

The jack stand, located under the tongue, is held firmly out of the way by a spring loaded pin during operation. To disengage the tractor and harvester, pull the pin to allow the jack stand to drop, and crank it down until it reaches the ground. Another turn or two will remove the harvester weight from the tractor drawbar, allowing you to pull the hitch pin and free the tractor. Your harvester remains supported at drawbar height and is quickly hitched when you wish to use the machine again.

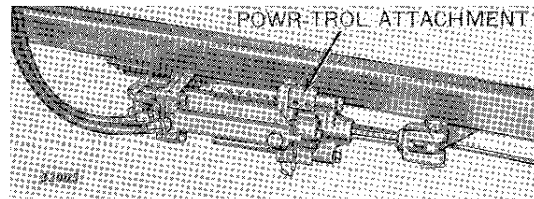
HAND LIFT CONTROL

The hand lift control is an easily manipulated, hand cranked, screw mechanism that allows the operator to raise or lower the pickup, row crop or sickle bar attachment quickly for operation or transportation.



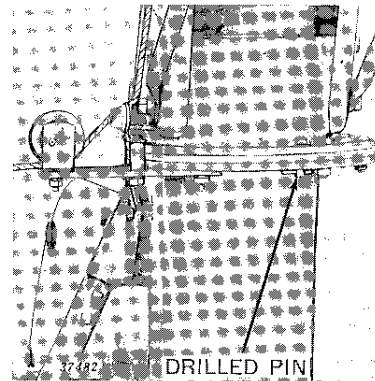
POWR-TROL ATTACHMENT

Instead of the hand lift control, the harvester can be equipped for hydraulic operation with John Deere Powr-Trol or the hydraulic system of any tractor having sufficient capacity and utilizing a remote cylinder that conforms with A.S.A.E.—S.A.E. standards.



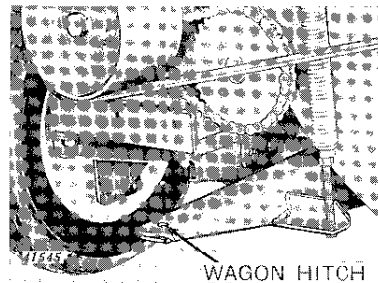
DISCHARGE SPOUT

A drilled pin, inserted through the retainer and spacer rings, holds the discharge spout in location. Removal of this pin allows the operator to rotate the spout easily into a rear or side delivery position and to the front for transport. The drilled pin is quickly removed by taking out the cotter pin inserted through it.



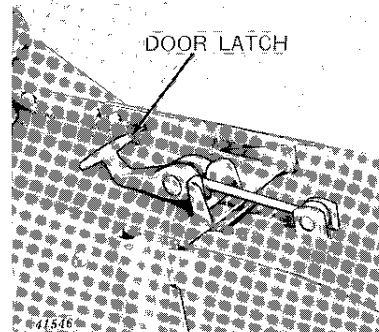
WAGON HITCH

A wagon hitch, on the rear of the harvester, is provided for convenient attachment when operating the machine with the discharge spout in rear delivery.



CUTTERHEAD HOUSING DOOR LATCH

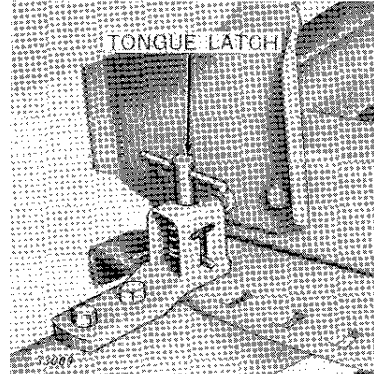
The door latch, at the top of the cutterhead housing, may be pulled up and released so the housing door can be opened. This door provides access to the cutterhead knives and stationary knife for adjustment.



CAUTION: Never open the housing door while the cutterhead knives are in motion.

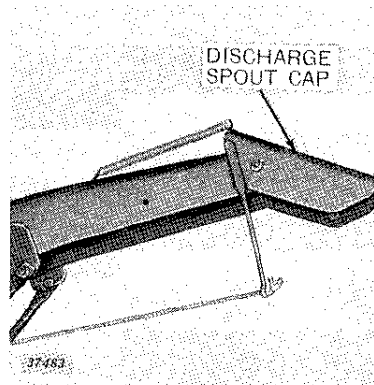
TONGUE LATCH

The tongue can easily be moved to the right or left to center the harvester on the row or to transport the machine behind the tractor. By lifting the latch the tongue can be located in any one of eight positions.



DISCHARGE SPOUT CAP CONTROL

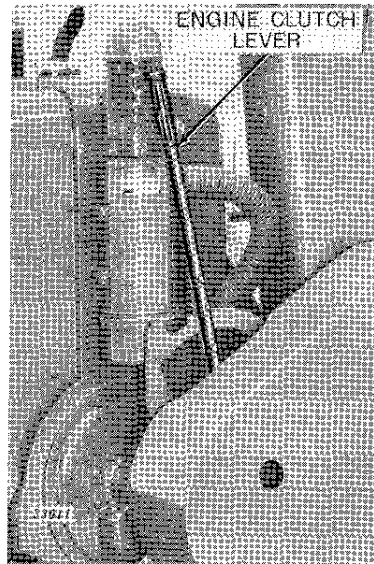
The flow of the material from the discharge spout can be regulated with the discharge spout cap by rope from the tractor seat. By moving the rope to the side, the pulley at the base of the spout will lock the rope and cap into position. By pulling forward the rope will release and the cap can be adjusted.



CAUTION: Do not stand under discharge spout when machine is running.

ENGINE CLUTCH LEVER

The lever located at the rear of the engine controls the transmission of power from the engine to the cutterhead. Release tension on belt when starting the engine. Pulling the lever to the left releases belt tension. Moving lever to the right tightens belt to transmit power.



ENGINE CONTROLS

The controls and operation of the engine are described in the engine operator's manual.

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