

FEED ROLLS ATTACHMENT



JOHN DEERE

OPERATORS MANUAL FEED ROLLS ATTACHMENT

OMH90992 K2 English

OMH90992 K2

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ENGLISH

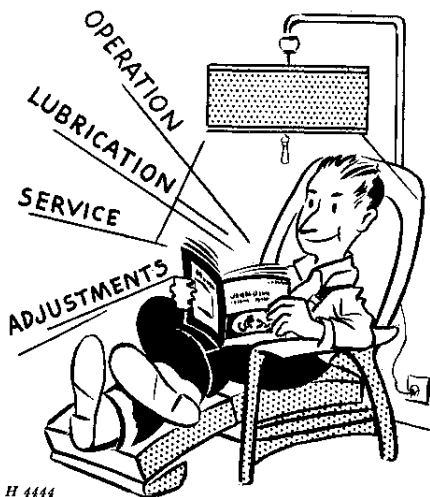


To the purchaser

This Operator's Manual contains the necessary information regarding installation, operation, and adjustments so that you may obtain maximum service and satisfaction from your Feed Rolls Attachment.

The Feed Rolls Attachment can be installed on the following John Deere Combines:

- 55 - Serial No. 55-63101 and up
- 65 - Serial No. 65-12601 and up
- 95 - Serial No. 95-15301 and up
- 105 - All Series



Study this manual carefully and keep it in a safe place with your combine operator's manual for future reference.

Location reference

"Right-hand" and "left-hand" sides are determined by facing in the direction the combine will travel when in use.

"Clockwise" refers to parts turning to the right like the hands of a clock.

"Counterclockwise" refers to parts turning to the left.

Use genuine John Deere parts

Should your Feed Rolls Attachment require replacement parts, go to your John Deere dealer where you will receive Genuine John Deere Parts—accept no substitutes.

John Deere parts are made to fit properly and insure satisfactory service because they are made from original patterns and from the same materials as used in new machines.

Lubrication

Your Feed Rolls Attachment is equipped with sealed bearings that require no lubrication.

Date of Purchase 19...

Combine Serial No.

(To be filled in by purchaser)

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(Specifications and design subject to change without notice.)

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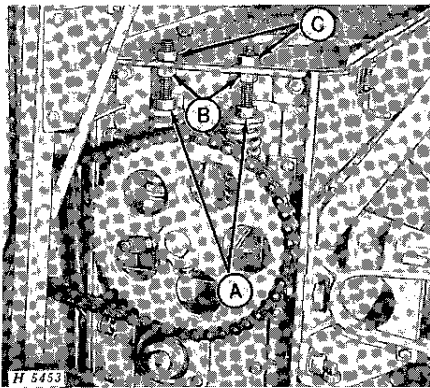
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Operation and adjustment



H 5453
Roller Spacing and Pressure Adjustments

Roller pressure

Actual crop conditions determine the amount of roller pressure to use. Crops that are hard to thresh require greater pressure than crops that are easy to thresh.

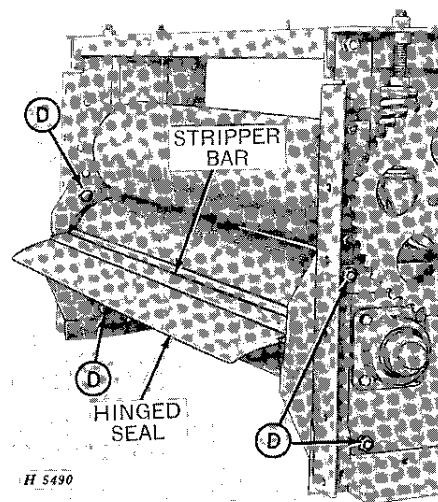
To increase roller pressure, thread nuts "A" onto adjusting bolts; to decrease roller pressure, thread nuts "A" off adjusting bolts. Adjust both sides evenly.

Roller spacing

The space between the rollers should be approximately 1/64-inch for combining flax. A slightly greater roller spacing should be used for combining small grain and beans.

To decrease roller spacing, loosen nuts "B" and thread nuts "C" onto adjusting bolts. To increase roller spacing, loosen nuts "C" and thread nuts "B" off adjusting bolts.

Check spacing at both ends of the rolls by inserting a shim between the rollers. Adjust both sides evenly.



H 5490
Stripper Bar Adjustment

Stripper bar

A stripper bar at the rear of the lower roller prevents leakage of material. The stripper bar should be positioned as close to the roller as possible without striking it.

To adjust stripper bar, loosen bolts "D" on both sides and move stripper bar as close to the roller as possible without striking it. Be certain the stripper bar is parallel to roller; then tighten nuts.

NOTE: The stripper bar can be inspected by lowering hinged door in front of feed rolls.

Cylinder and feed rolls speed

The lower roller, driven from the beater shaft, operates at a constant speed of 345 rpm.

The upper roller is driven from the cylinder shaft. The cylinder

Cylinder and feed rolls speed chart

Beater sprocket			Cylinder-driven and upper-roller drive double sprocket		
Cylinder speed	Part No.	Teeth	Part No	Cylinder-driven sprocket	Upper roller drive sprocket
604 rpm	AP10273H	24	AP26848H	27 Teeth	26 Teeth
604 rpm	H28673H	24	AH17158H	27 Teeth	26 Teeth
793 rpm	AP18012H	28	AP23151H	24 Teeth	20 Teeth
793 rpm	H28675H	28	AH17304H	24 Teeth	20 Teeth
952 rpm	H28678H	42	AH17157H	30 Teeth	17 Teeth
960 rpm	AP10273H	24	AP23150H	17 Teeth	17 Teeth
1057 rpm	AP23324H	42	AP23149H	27 Teeth	15 Teeth
1057 rpm	H28678H	42	AH17156H	27 Teeth	15 Teeth

*105 Combines only

speed must be varied to effectively cope with various field conditions and crops, but the upper roller speed must remain constant at 345 rpm.

Four combination cylinder-driven-and-upper-roller-drive sprockets are available to allow cylinder speeds of 604 rpm, 793 rpm, 952 rpm, 960 rpm, and 1057 rpm. The speed of the upper roller is not affected and remains constant.

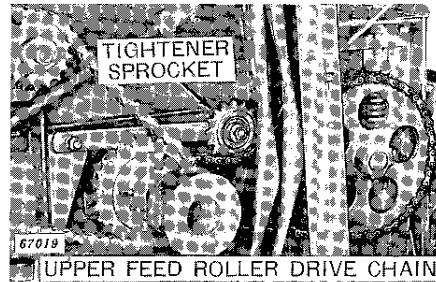
The recommended cylinder speed for combining flax is 793 rpm. The maximum speed that should be used for combining flax is 952 rpm to 960 rpm.

Chain tension

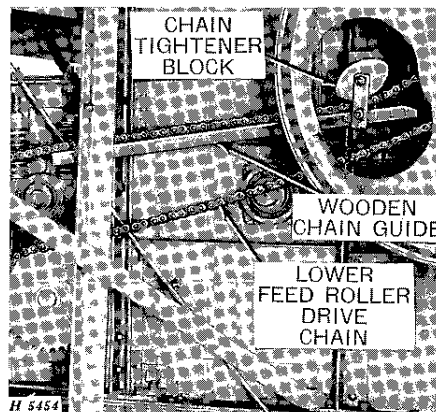
Keep the roller drive chains adjusted so they are just tight enough to run without climbing or jumping the sprockets.

Keep the wooden chain guide in position directly under the lower roller drive chain.

Do not use the wooden chain guide as a chain tightener.



Upper Roller Drive Chain (Right-Hand Side)



Lower Roller Drive Chain (Left-Hand Side)

Shipping packages

Feed rolls attachment

(One steel and one rubber roller)

BH 11252 H 55 and 65 Combines
 BH 11258 H 95 Combines
 BH 11101 H 105 Combines

(Two rubber rollers)

BH 11253 H 55 and 65 Combines
 BH 11259 H 95 Combines
 BH 11102 H 105 Combines

Feeder house bottom sheet

P 43940 H 55 Combines
 H 30363 H 65 Combines
 AH 17136 H 105 Combines

Concave door with bottom sheet

BH 11250 H 55 Combines
 BH 11260 H 65 Combines

Pivot bracket brace with shim

14648HH 65 Combines

Belt pickup jackshaft sprocket with spacers

15390HH 55 and 95 Combines
 BH 11275 H 105 Combines

Hydraulic cylinder extensions

BH 10469 H 55 and 95 Combines
 15061HH 65 Engine Driven
 Combines
 BH 10724 H 65 PTO Driven Com-
 bines
 BH 10979 H 105 Combines

Operator's platform supports

BH 11127 H 55, 95, and 105 Com-
 bines

Variable speed control linkage

BH 10581 H 55, 95, and 105 Com-
 bines

Cylinder driven and upper roller drive sprocket

AP 23149 H 55, 65, and 95 Com-
 bines (1057 rpm)
 AH 17156 H 105 Combines (1057
 rpm)
 AP 23150 H 55, 65, and 95 Com-
 bines (960 rpm)
 AH 17157 H 105 Combines (952
 rpm)
 AP 23151 H 55, 65, and 95 Com-
 bines (793 rpm)
 AH 17304 H 105 Combines (793
 rpm)
 AP 26848 H 55, 65, and 95 Com-
 bines (603 rpm)
 AH 17158 H 105 Combine (603
 rpm)



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Installation

Unpack the shipping packages and arrange the parts conveniently.

Check the shipment for shortage, loss or damage.

The following illustrations show the proper sequence for installing the Feed Rolls Attachment.

The numbers on the illustrations refer to the numbered paragraphs which explain exactly what should be done.

When attaching one part to another, put nuts on bolts loosely with lock washers under nuts; tighten and spread cotter pins after parts have been completely assembled. This will make assembly and installation much easier.

Preparing the combine

1. Disconnect platform drive chain and detach the cutting platform from the separator.

2. Remove the cutting platform drive chain tightener sprocket.

3. Remove the front inspection door.

4. Remove the support angles from both sides of operator's platform.

5. Remove the feeder house seals from both sides.

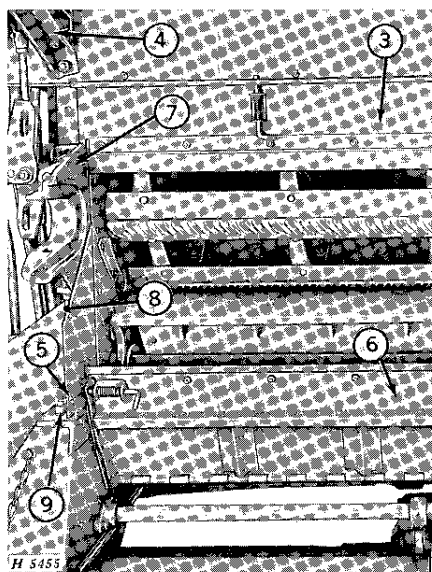
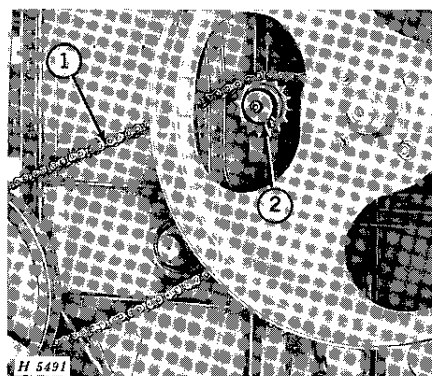
6. Remove the hinged door and stops at front of grain conveyor.

7. Remove the cutting platform pivot brackets from both sides.

8. Remove the cutting platform adjusting eyebolt from right-hand side only.

9. Remove the frame front bolts from both sides.

NOTE: The cutting platform drive chain, cutting platform pivot brackets and the cutting platform adjusting eyebolt will be reinstalled with the Feed Rolls Attachment.



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