

John Deere Hydraulic Reel Lift Attachment



OPERATORS MANUAL John Deere Hydraulic Reel Lift Attachment

OMH90852 I1 English

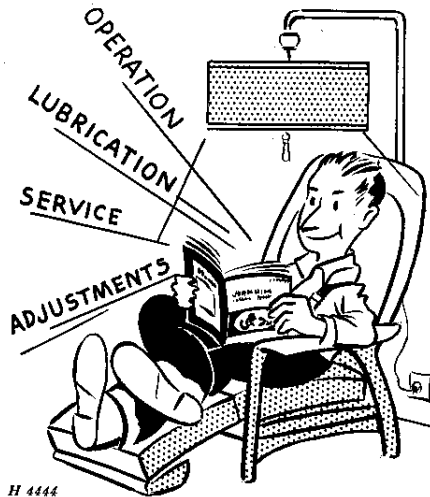
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LITHO IN U.S.A.
ENGLISH



To the purchaser

This operator's manual contains information to install, operate, adjust and service your John Deere Hydraulic Reel Lift Attachment. Follow the recommendations in this manual and you will obtain maximum service and efficiency from this attachment.



Study this manual carefully and keep it handy in a safe place for future reference.

If you should find that you require information not covered in this manual, consult your John Deere dealer. He will be glad to answer any question that may arise regarding the operation and service of this attachment. He has trained mechanics who

are kept informed on the best methods of John Deere servicing and can give you prompt know-how in the field or in the shop.

Should you require replacement parts, go to your John Deere dealer where you will receive genuine John Deere parts — accept no substitutions. John Deere parts fit properly and insure satisfactory service because they are made from the same material as used in new machines.

"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.

"Counter-clockwise" refers to parts turning to the left.

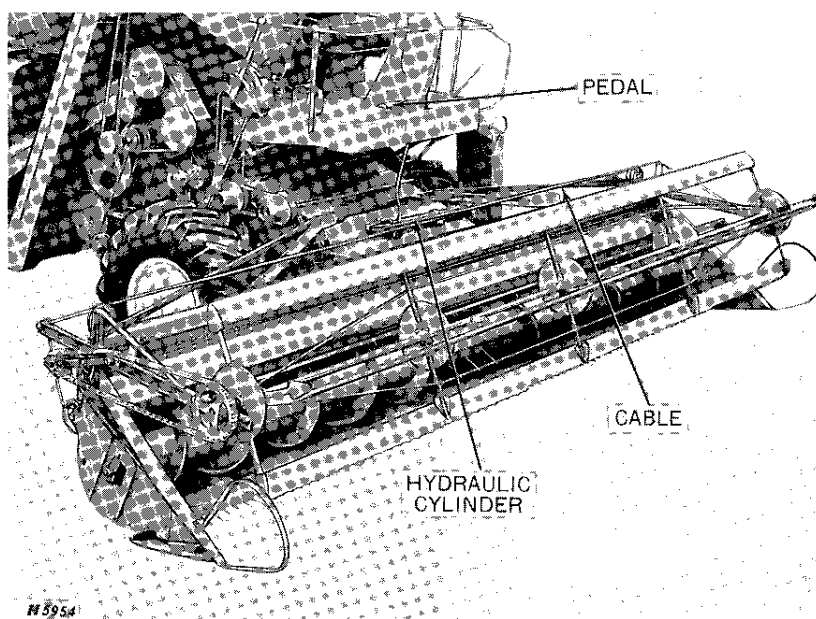
The hydraulic reel lift attachment can be installed on the following John Deere combines:

- 55 Combine, Serial No. 55-62801 and up
- 95 Combine, Serial No. 95-15001 and up
- 105 Combine, all series

Date of purchase _____

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105 combine illustrated

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Operation

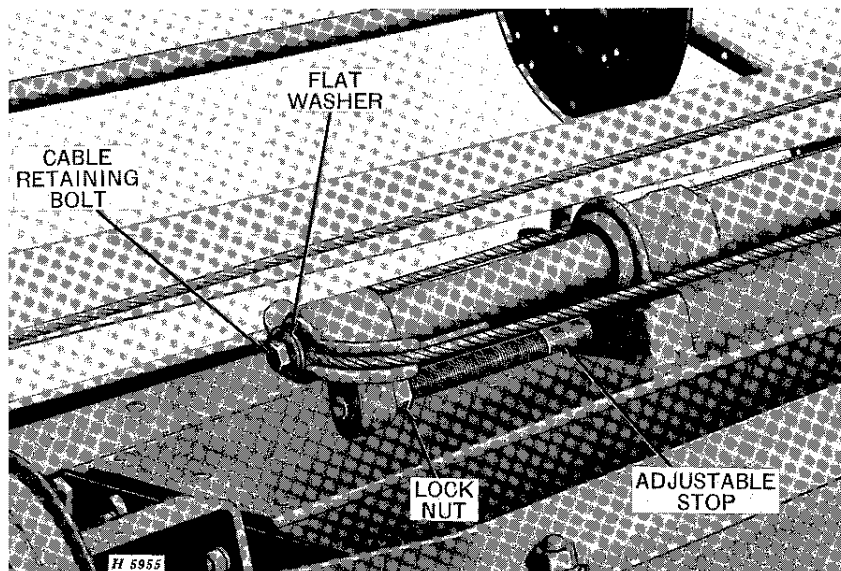
The hydraulic reel lift is controlled by a pedal located on the operator's platform to the right of the steering post. This pedal, used in conjunction with the cutting platform height control lever, permits the raising and lowering of the reel hydraulically from the operator's platform.

To raise the reel, depress pedal with the right foot and pull the cutting platform lever rearward. To lower the reel, depress the pedal and push the control lever forward.



CAUTION: To prevent the raising or lowering of the cutting platform when raising or lowering the reel, depress the pedal before moving the lever.

Adjustments and service



The reel must be parallel with the cutter bar for proper reel operation. If the reel is not parallel, loosen the cable retaining bolt on the left-hand end of the lift reel hydraulic cylinder, lift the low end of reel until it is parallel, then tighten cable retaining bolt so flat washer is tight against cable.

NOTE: Flat washer must be tight against cable to prevent cable slippage.

If only a minor parallel adjustment is required, the two nuts at each end of the reel lift cable can be adjusted to make the reel parallel to the cutter bar.

A stop is provided on the reel lift hydraulic cylinder to prevent the reel from being lowered to point where the reel slats would strike the cutter bar. Thread rod out (clockwise) to raise the reel or thread rod in (counter-clockwise) to lower the reel.

Shipping packages

55 Combine

Package No.	Description
BH11204H	Box of hydraulic reel lift parts
AP26867H	Pressure hose—rice
or	
AP22689H	Pressure hose—regular
BH10678H	Platform oil line—upper half with fitting
BH11345H	Sheave support brackets, 12-Ft., 13-Ft., and 14-Ft. platforms
AH13955H	12-Ft. platform cable
or	
AH13956H	13-Ft. platform cable
or	
AH13957H	14-Ft. platform cable
AH14443H	Loop divider (2 used)

95 Combine

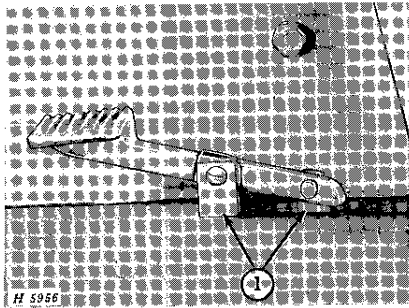
BH11212H	Box of hydraulic reel lift parts
AP26867H	Pressure hose—rice
or	
AP22689H	Pressure hose—regular
BH10679H	Platform oil line—upper half with fitting
H 30002H	Reel lift bracket, 14-Ft. draper platforms
BH11345H	Sheave support brackets, 12-Ft. pickup, 13- and 14-Ft. platforms
or	
BH11038H	Sheave support brackets, 16-Ft. platform
or	
BH11039H	Sheave support brackets, 18-Ft. platform
or	
AH13955H	12-Ft. platform cable
or	
AH13957H	14-Ft. platform cable
or	
AH13958H	16-Ft. platform cable
or	
AH13959H	18-Ft. platform cable
AH14443H	Loop dividers (2 used)

105 Combine

Package No.	Description
AH14443H	Loop dividers (2 used)
AP22689H	Hydraulic hose—grain platforms
or	
AP26867H	Hydraulic hose—rice, rice crawler, and draper platforms
BH11159H	Box of hydraulic reel parts
BH11226H	Reel tightener with cable bracket— all platforms except draper platform
or	
H 30002H	Reel lift cable bracket— 16-Ft. draper platform
BH11345H	Sheave support bracket— 14-Ft. platform
or	
BH11038H	Sheave support bracket— 16-Ft. platform
or	
BH11039H	Sheave support bracket— 18-Ft. and 20-Ft. platforms
or	
BH11223H	Sheave support bracket— 22-Ft. platform
AH13957H	Cable—14-Ft. platform
or	
AH13958H	Cable—16-Ft. platform
or	
AH13959H	Cable—18-Ft. platform
or	
AH16474H	Cable—20-Ft. platform
or	
AH16505H	Cable—22-Ft. platform

Installation

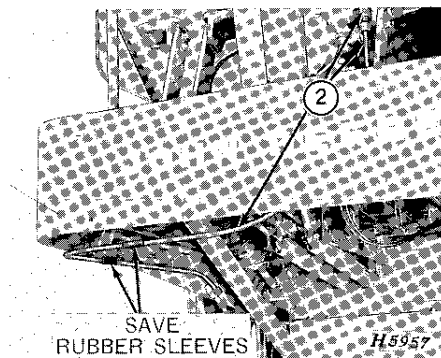
Pedal



1. Bolt hydraulic valve pedal to operator's platform floorboard on right-hand side of steering column. Use 5/16-inch lockwasher and hex nut on bolt in pivot bracket.

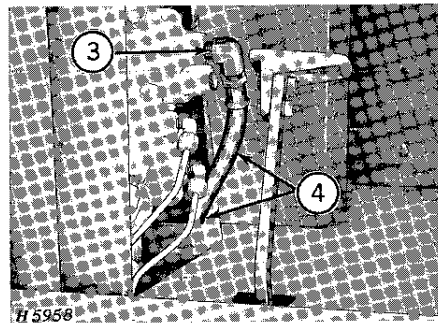
NOTE: Be certain the strap at front of pedal arm goes through slot in floorboard.

Diverter valve for 55 and 95 Combines



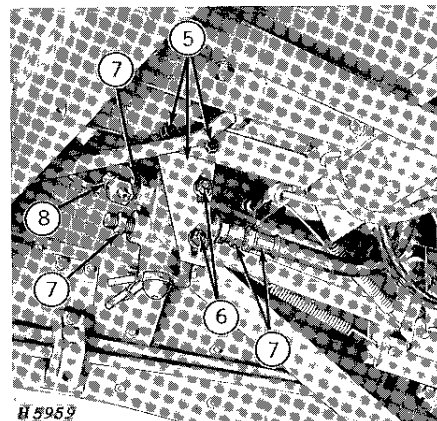
1. (Not illustrated) Remove left-hand side of steering post column.

2. Remove platform upper oil line and elbow in valve. Save oil line clips, rubber sleeves, and hardware.



3. Install new 3/8-inch elbow in hydraulic valve.

4. Attach hose (3/8-inch I.D. x 24 inches long) to elbow in valve. Slip hose through square hole at rear of steering post.



5. Attach diverter valve bracket to right-hand steering post support angle, using two 5/16 x 3/4-inch machine bolts.



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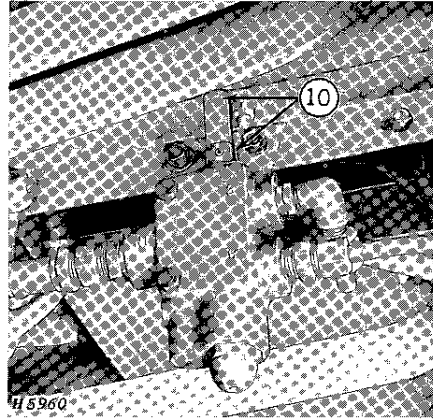
Thank you so much for reading

6. Attach diverter valve to bracket with two $5/16 \times 2-1/4$ -inch machine bolts.

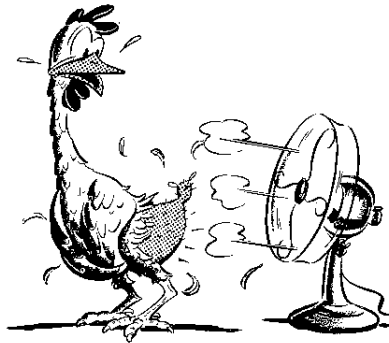
7. Remove the three plugs from diverter valve (two in front and one in rear). Insert $3/8$ -inch reducer bushing in upper front port. Insert $3/8$ -inch male connector in lower front port. Insert $3/8$ -inch straight adapter in rear port. Connect hydraulic hose, coming through floorboard, to adapter in rear port.

8. Attach $1/4$ -inch elbow to $3/8$ -inch reducer bushing in upper front port and connect male half of snap-tite coupler to elbow.

9. (Not illustrated) Install new platform upper oil line. Front end of line connects to $3/8$ -inch male connector in lower front port of diverter valve and rear of line connects to union on platform lower oil line. Use clips, rubber sleeves and hardware previously removed.



10. Fasten control strap in slot of piston at top of diverter valve with a $3/16 \times 5/8$ -inch roll pin. Adjust diverter valve up or down in slots of valve bracket, as necessary to obtain full pedal travel.



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