

# John Deere Hydraulic Lift Reel and Variable Speed Reel Attachments



## OPERATORS MANUAL

John Deere Hydraulic Lift Reel and Variable  
Speed Reel Attachments

OMH91105 K3 English

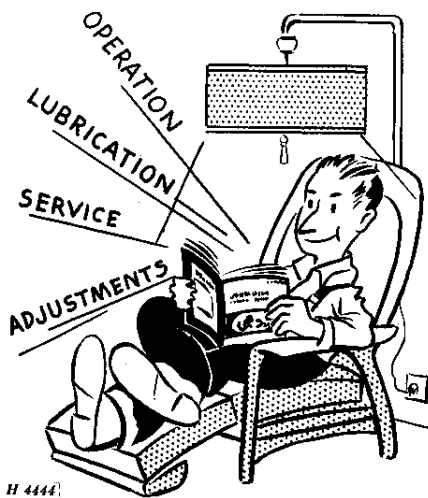
**OMH91105 K3**

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 Lift Reel and Variable Speed Reel Attachments. Follow the recommendations in this manual and you will obtain maximum service and efficiency from these attachments.



**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 these attachments. 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.

"Counterclockwise" refers to parts turning to the left.

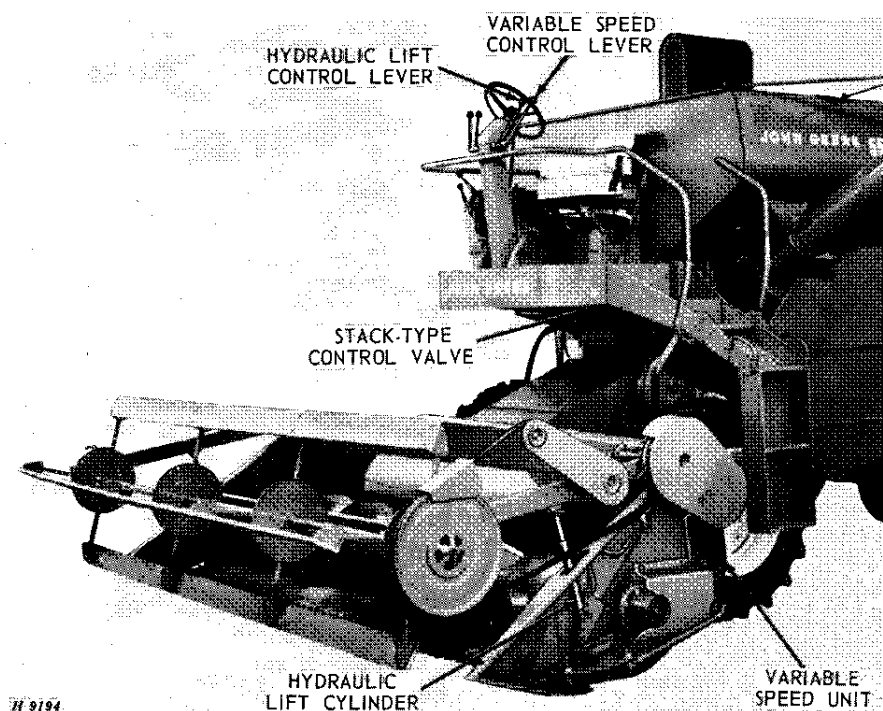
The hydraulic lift reel and variable speed reel attachments can be installed on the following John Deere combines:

- 55 Combine, Serial No. 55-69001 and up
- 95 Combine, Serial No. 95-20001 and up
- 105 Combine, Serial No. 105-3001 and up

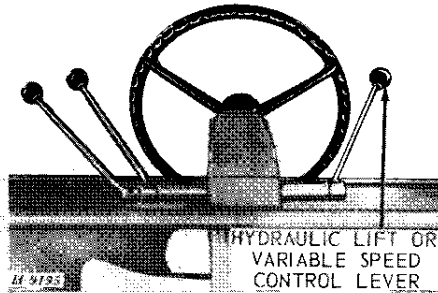
Date of purchase \_\_\_\_\_

## CONTENTS

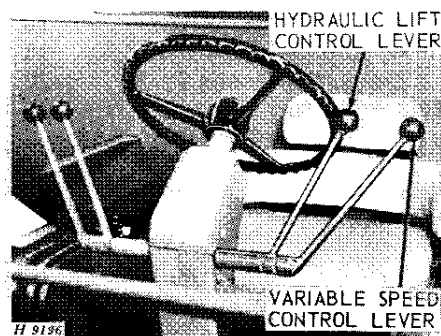
	Page
Operation . . . . .	2
Lubrication . . . . .	4
Adjustments and Service . . . . .	4
Shipping Packages . . . . .	6
Installation . . . . .	7-20
Removal of Standard Reel Parts . . . . .	7
Installation of Control Lever or Levers . . . . .	7
Removal, Assembly, and Installation of Stack Type Control Valve . . . . .	10
Installation of Hydraulic Lift Reel Cylinder, Lines, and Hoses . . . . .	15
Installation of Variable Speed Reel Unit, Lines, and Hoses . . . . .	17
Adding Oil and Checking Attachment After Assembly . . . . .	20



## OPERATION



Control Lever for Combine Equipped with Either Hydraulic Lift Reel or Variable Speed Reel



Control Levers for Combine Equipped with Both Hydraulic Lift Reel and Variable Speed Reel

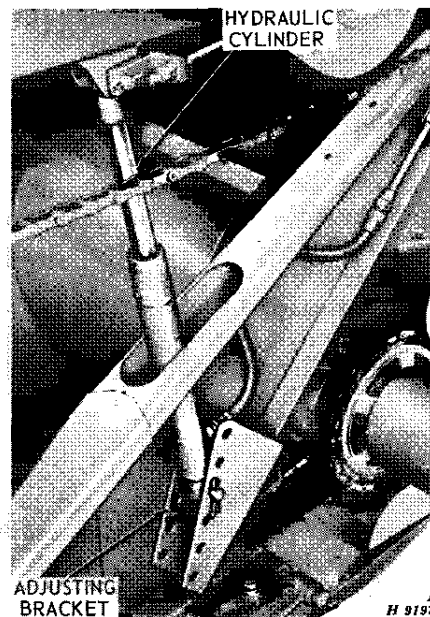
### HYDRAULIC LIFT REEL

The hydraulic lift reel attachment enables the operator to control the height of the reel from the operator's platform.

The hydraulic lift reel is controlled by a lever on the left-hand side of the steering column.

*NOTE: If the combine is also equipped with the variable speed reel attachment, the hydraulic lift reel control lever is the inner of the two levers on the left-hand side of the steering column.*

To raise the reel, move the lever rearward. To lower the reel, move the lever forward. The lever automatically returns to neutral when released.



Reel Height Range Adjusting Bracket

The height range of the reel is determined by the location of the bottom of the hydraulic cylinders in the adjusting brackets.

The crop to be harvested determines the reel height range. Be certain that each cylinder, at either end of the platform, is located in the proper hole or the reel will not be level with the cutter bar.

**IMPORTANT:** When the hydraulic cylinders are completely retracted, be certain that the reel slats or tines (pickup reel) do not strike the cutter bar.

**VARIABLE SPEED REEL**

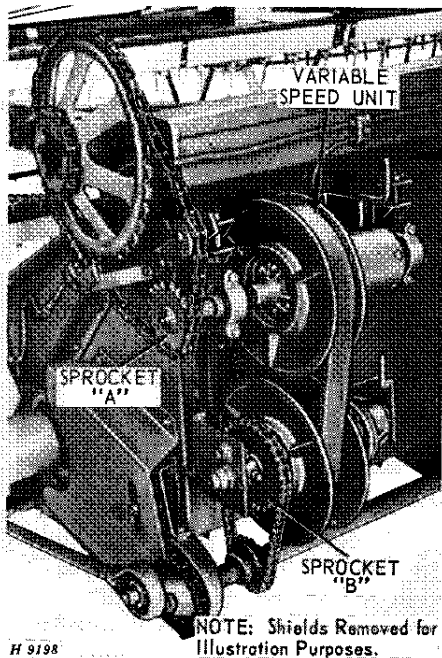
The variable speed reel attachment enables the operator to vary the speed of the reel without leaving the operator's platform.

The variable speed reel is controlled by a lever on the left-hand side of the steering column.

*NOTE: If the combine is also equipped with the hydraulic lift reel attachment, the variable speed reel control lever is the outer of the two levers on the left-hand side of the steering column.*

To increase reel speed, move the lever forward. To decrease the reel speed, move the lever rearward. The lever automatically returns to neutral when released.

**SPEED RANGE**



The speed range for the 55 Combine equipped with the variable speed reel is 14.4 to 43.2 rpm. For the 95 and 105 Combines, the speed range is 15.0 to 45.0 rpm.

If sprockets "A" and "B" in the foregoing illustration are reversed, the speed range for the 55 Combine will be 26.7 to 80.1 rpm and for the 95 and 105 Combines it will be 27.8 to 83.4 rpm.

A 40 tooth sprocket and an 18 tooth sprocket are available as special equipment to provide a wider range of reel speeds. The following charts show the speed ranges that may be obtained with the regular and special sprockets.

**55 COMBINE**

Sprockets "A"	Sprockets "B"		
	H35715H 22 T	H35716H 30 T	H35718H 40 T
H35717H 18 T	16.1-48.3	11.7-35.1	8.8-26.4*
H35715H 22 T	19.8-59.4	14.4-43.2*	10.8-32.4
H35716H 30 T	26.7-80.1*	19.8-59.4	14.7-44.1

**95 AND 105 COMBINES**

Sprockets "A"	Sprockets "B"		
	H35715H 22 T	H35716H 30 T	H35718H 40 T
H35717H 18 T	16.7-50.1	12.2-36.6	9.2-27.6*
H35715H 22 T	20.5-61.5	15.0-45.0*	11.2-33.6
H35716H 30 T	27.8-83.4*	20.5-61.5	15.3-45.9

\* These sprocket combinations are recommended. These combinations do not require adding or removing links from the reel drive chain. If other sprocket combinations are used, add or remove chain links as necessary.

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