



JOHN DEERE 280 AND 282 COTTON STRIPPERS



OPERATORS MANUAL JOHN DEERE 280 AND 282 COTTON STRIPPERS

OMN159150 C7 English

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LITHO IN THE U.S.A.
ENGLISH



TO THE PURCHASER

Your new cotton stripper was built to rigid manufacturing standards. Material and workmanship are the best. How long it will last and continue its good work is a matter entirely in your hands.

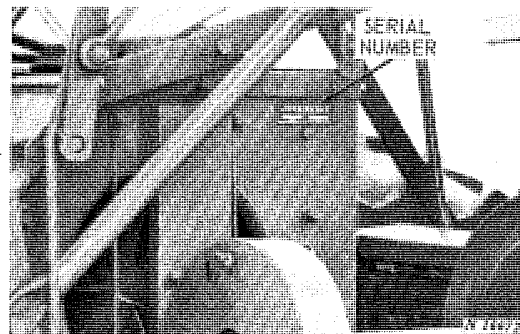
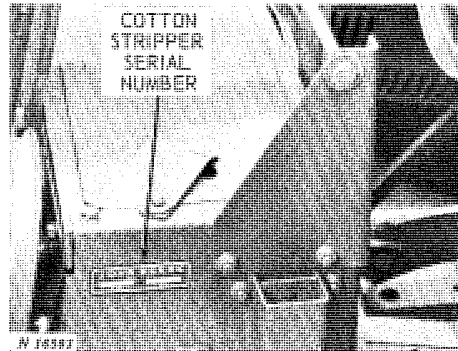
The way you operate your cotton stripper and the care you give it have much to do with the service and satisfaction you will get from it. This manual has been carefully prepared and illustrated to show you what to do and when to do it. It explains the adjustments that are built into the machine and gives instructions on when and how to make these adjustments. The information given in this manual will afford a clear understanding of the fundamentals of mechanical harvesting. The best use of these fundamentals to suit the conditions in which the machine is operating is a responsibility that is completely up to the operator.

If you find you need information not covered in this manual or if your cotton stripper requires special servicing, take advantage of the facilities offered by your John Deere dealer. He has trained mechanics, who are kept informed on the best methods of servicing and can give you prompt, "know-how" service in the field or in his shop.

Location References. "Right" and "Left," "Front" and "Rear" refer to the operator's "Right" or "Left" and "Front" or "Rear" when facing the same direction machine is headed or traveling.

"Clockwise" refers to a shaft, screw, or similar part turning to the operator's "Right," or like the hands of a clock. "Counter-clockwise" refers to the operator's "Left."

SERIAL NUMBERS

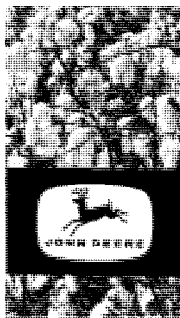


The cotton stripper serial number is on the right end of the cross conveyor. The trailer air attachment serial number is on the right side of the fan housing. Write these serial numbers in the space provided below for future reference.

Stripper Serial No.

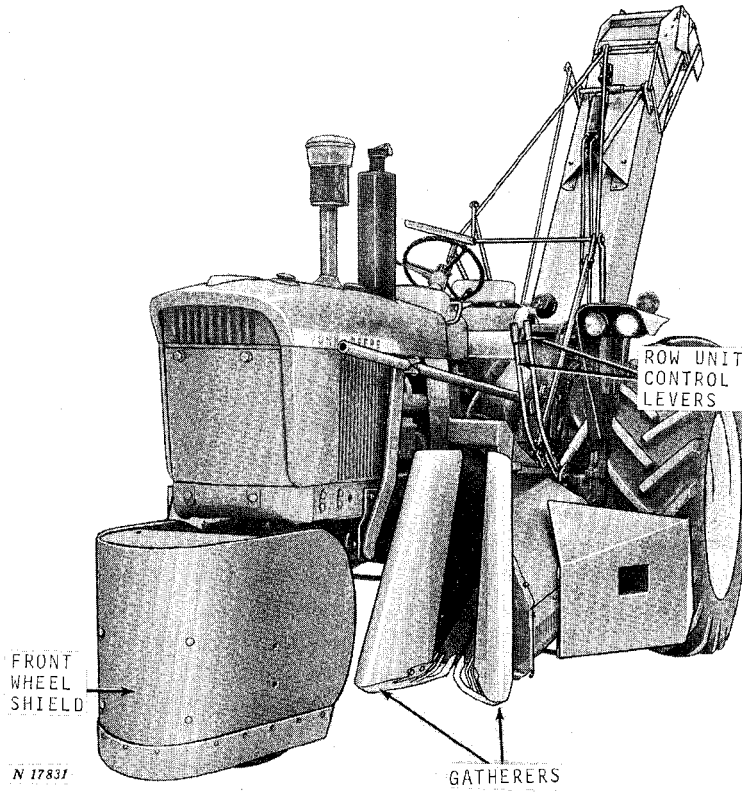
Trailer Air Serial No.

Date Purchased

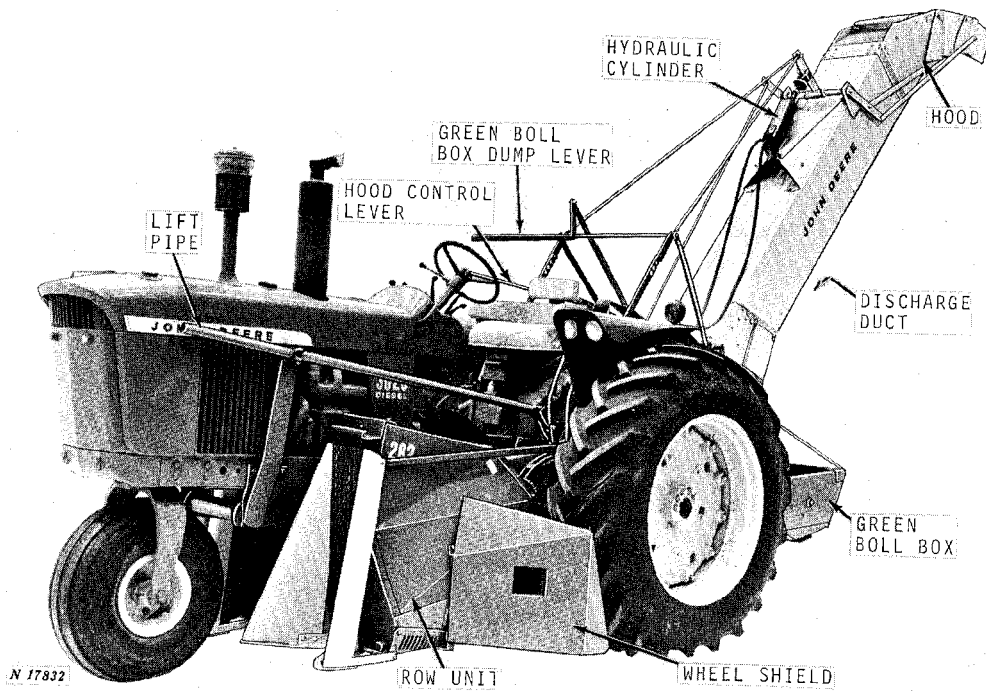


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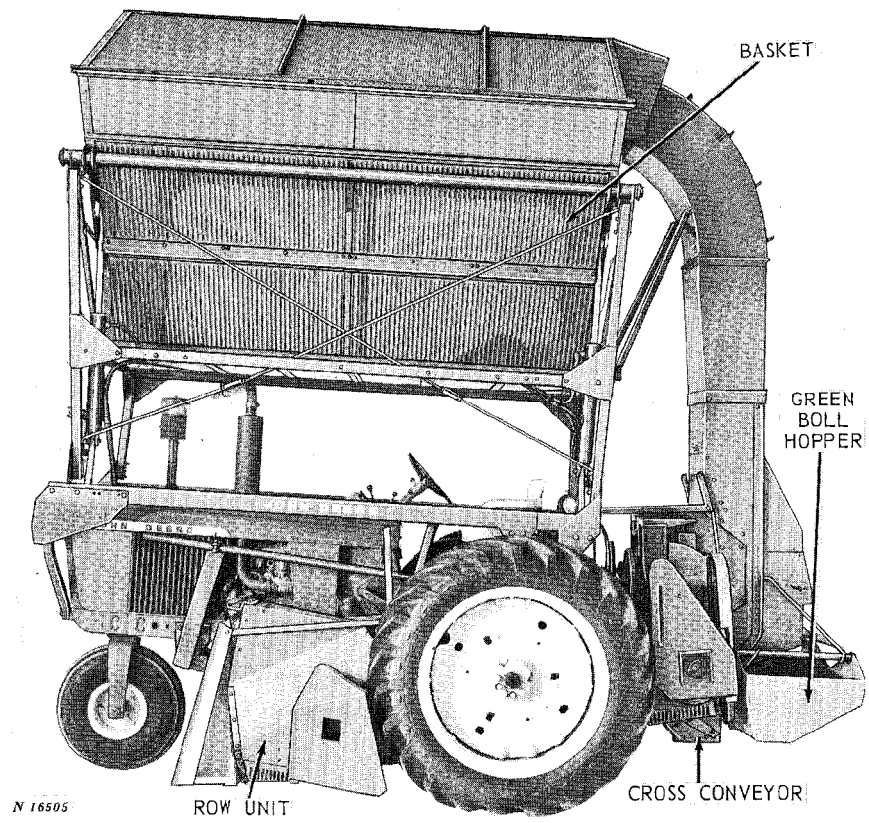
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John Deere 280 Cotton Stripper with Trailer Air Attachment



John Deere 282 Cotton Stripper with Trailer Air Attachment



John Deere 282 Cotton Stripper Equipped with 63 Basket Attachment on 3020 Tractor



SPECIFICATIONS

ALL 280 AND 282 COTTON STRIPPERS

Machine Model		Strip Roll Diameter	
280 Cotton Stripper	Equipped with one finger steel roll per unit	280	3-7/8 inches
282 Cotton Stripper	Equipped with two brush rolls per unit	282	6 inches
		Strip Roll Length	
		280	41-1/4 inches
		282	40 inches
Type of Machine. . . .	2-Row, tractor-mounted. Can be equipped with 63 Basket Attachment or 53 Trailer Air Attachment.	Strip Roll Adjustment	
		By operator from tractor seat	
		Row Unit Conveyor Augers	
Type of Drive	All V-belt drive from tractor PTO (row units, cross conveyor, and air separator)	280	One 8 x 105-inch auger per unit. Housing slotted for cleaning
		282	Two 6 x 105-inch augers per unit. Housing slotted for cleaning.
Row Widths.	38 and 40 inches		
Stripping Speeds. . . .	1.5 to 5.0 mph		
Transport Speeds. . . .	9 to 12 mph (10 mph limit with basket)	Cross Conveyor	
		10-inch auger, housing slotted for cleaning	
Type of Row Unit Lift	Hydraulic	Special Equipment . .	
		Front wheel shields	
Type of Gatherers . . .	Hinged floating type with curved grates.		
Gatherer Height Adjustment.	By operator from tractor seat		

COTTON STRIPPER EQUIPPED WITH 53 TRAILER AIR ATTACHMENT

Tractor Mountings

Available for John Deere 2510, 3010,
3020, 4010 and 4020
Tractors with rear
rockshaft and one re-
mote hydraulic cylin-
der.

*NOTE: Do not use 12.4 x 38 4-ply rear tires
on 2510 Tractor.*

Fan 16-inch diameter cen-
trifugal fan - 2350
rpm to 2750 rpm (at
rated tractor PTO
speed)

Dimensions (Approximate)

Height 14 feet, 7 inches (duct
up)

Length 26 feet (overall length
from front of tractor
to rear of duct with
duct down)

Weight (Approximate)

280 Cotton Stripper
with Trailer Air . . 2645 pounds

282 Cotton Stripper
with Trailer Air . . 2820 pounds

Special Equipment . . Green boll box (capacity,
10 cu. ft.)

COTTON STRIPPER EQUIPPED WITH 63 BASKET ATTACHMENT

Tractor Mountings

Available for John Deere 2510, 3010,
3020, 4010, and 4020
Tractors with rear
rockshaft and one hy-
draulic remote cylin-
der.

*NOTE: Do not use 6.00 x 14 4-ply dual front tires,
7.50 x 16 10-ply or 9.00 x 10 8-ply single front
tire on tractor with stripper and basket. Do not
use 12.4 x 38 4-ply rear tires on 2510 Tractor
with stripper and basket.*

Fan 16-inch diameter cen-
trifugal fan 2350 rpm
to 2750 rpm (at rated
tractor PTO speed)

Basket Capacity . . . 2000 lbs. seed cotton*
(Approx. 405 cu. ft.)

Dimensions (Approximately)

Height 15 feet
Width 11 feet, 8 inches
Length 15 feet, 3 inches

Dumping Height . . . 10-1/2 feet (Approx.)

Weight (Approximate)

280 Cotton Stripper
with Basket 4575 pounds

282 Cotton Stripper
with Basket 4750 pounds

Special Equipment . . Green boll box (capacity
10 cu. ft.)
Bracket for warning
lamp
Warning lamp
Storage stands
Basket extension
Basket high lift

**Based on approximately five pounds of seed cot-
ton per cubic foot.*

(Specifications and design subject to change without notice.)

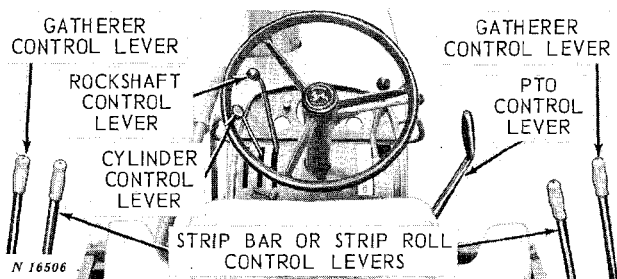


OPERATION

KNOW YOUR COTTON STRIPPER

Before starting to strip cotton, read this manual. The information in it is the result of years of experience in the design and operation of mechanical cotton strippers. We want you to be happy with your new John Deere Cotton Stripper. We know it will do good work for a long time if operated and adjusted properly. This manual tells you how to get from the stripper the performance and long life that have been designed and built into it.

CONTROLS



ROW UNIT CONTROL

The row units are raised and lowered by the tractor hydraulic system through a lift pipe between the tractor rockshaft and the stripper lift mechanism. Use the tractor rockshaft control lever to raise and lower the row units.

GATHERER CONTROL LEVERS

The height of the gatherers is controlled by the outside control lever on each row unit.

The height of the gatherers should be adjusted according to the crop conditions. If the cotton bolls are on the ground, run the grates on the ground. Do not operate with the grates any lower than necessary.

STRIP BAR LEVERS (280 Cotton Stripper)

The strip bar lever controls the width of the opening between the strip bar and the strip roll. The inside lever on each row unit operates the strip bar.

To increase the opening between strip bar and strip roll, move the strip bar lever to the rear. This can be done from the tractor seat while "on the go."

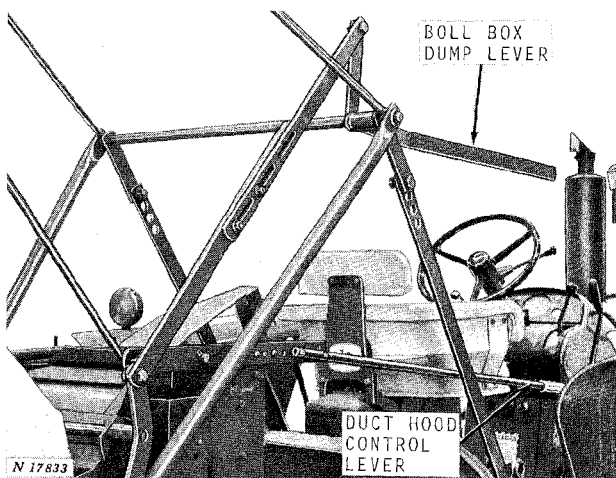
The strip bar, which is spring-loaded, is designed so that it will "give" automatically and move in or out as the size of the cotton plant varies. A unique feature of the strip bar is that the spring pressure remains constant through all positions of the strip bar spacing. When the limit stop bolt is properly adjusted, the strip bar lever can be used to increase the spring tension while the bar spacing remains unchanged.

STRIP ROLL CONTROL LEVERS (282 Cotton Stripper)

The spacing between the strip rolls is controlled by the inside lever on each row unit.

To increase the opening between the strip rolls move the strip roll lever to the rear. This can be done from the tractor seat while "on the go."

TRAILER AIR ATTACHMENT CONTROL LEVERS



The duct hood control lever is located to the right of the operator. Use the hood control lever to direct the flow of cotton to the front or rear of the trailer. Pull the lever up to raise the hood; push the lever down to lower the hood.

The duct angle is controlled by one of the remote cylinder control levers on the tractor. Extend the cylinder to raise the duct; retract the cylinder to lower the duct.

If stripper is equipped with green boll box, the boll box dump lever is located above the duct hood control lever. Raise the lever to open the box; pull the lever down to close the box.

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