

JOHN DEERE 482 COTTON STRIPPER



OPERATORS MANUAL JOHN DEERE 482 COTTON STRIPPER

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ENGLISH






To the Purchaser

Your new cotton stripper was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need—whether it is description, controls and instruments, operation, operating adjustments, fuels and lubricants, lubrication and periodic service, trouble shooting, service, attachments or specifications. Read the Table of Contents to learn where each is located. Use the alphabetical index for fast reference.

"Right-hand" and "left-hand" sides or "front" and "rear" are determined by facing the direction the cotton stripper will travel when in use.

Record the serial numbers in the space provided on page 90. Your dealer needs this information to give you prompt, efficient service when you order parts or attachments. If your cotton stripper requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere parts—accept no substitutes.

The warranty on this cotton stripper appears on your copy of the purchase order which you should have received from your dealer when you purchased the cotton stripper.

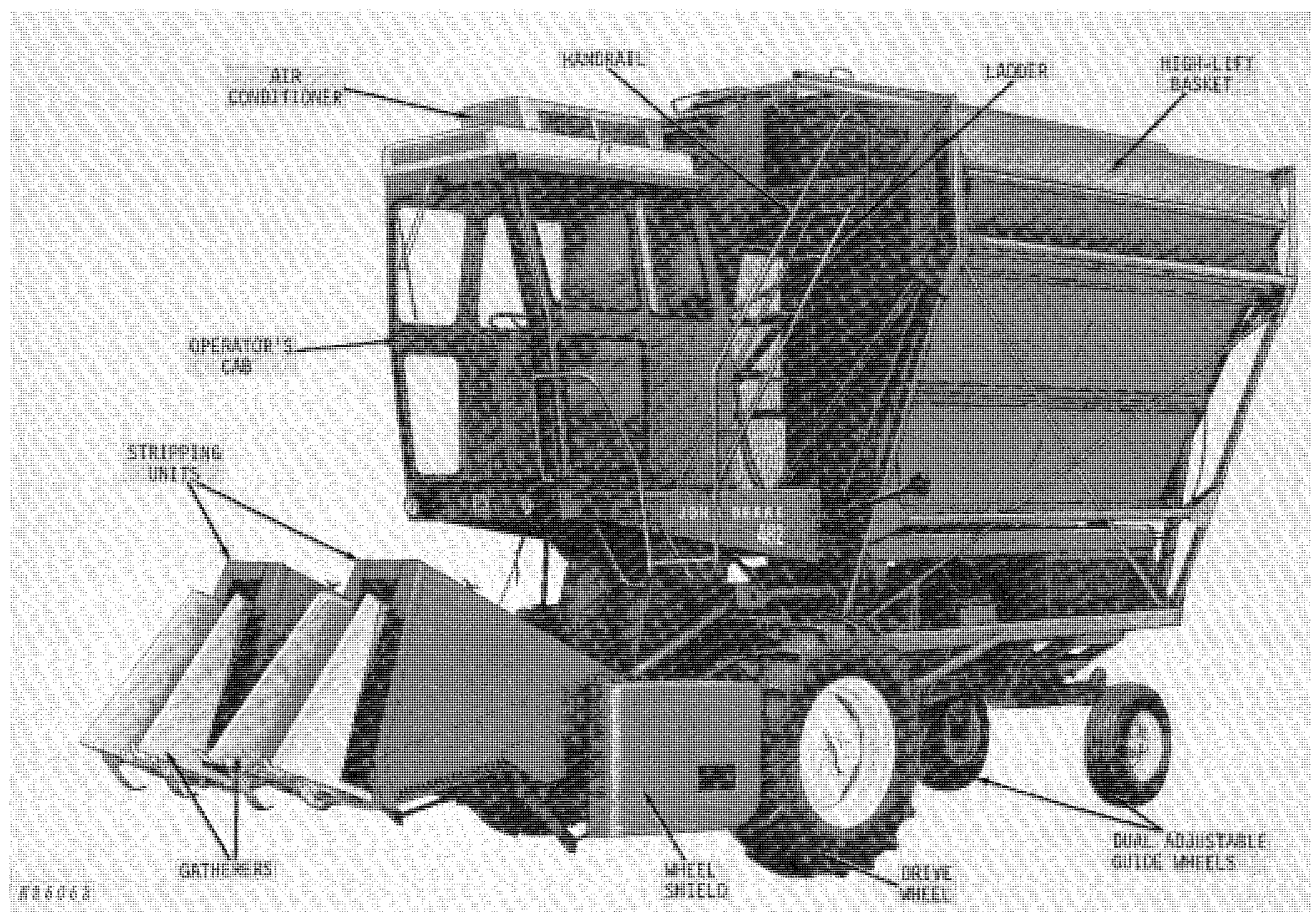
 This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.





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John Deere 482 Cotton Stripper with Operator's Cab



Description

The 482 Cotton Stripper is a self-propelled machine, consisting of the following basic components:

1. Operator's Platform, Controls, and Instruments.
2. Stripping Unit.
3. Air System and Basket.
4. Engine and Propelling Mechanism.

OPERATOR'S PLATFORM, CONTROLS, AND INSTRUMENTS

The operating position is immediately above and behind the stripping unit. The padded posture seat is adjustable to both the height and weight of the operator; the steering wheel height and pitch are easily adjusted for operator comfort.

All necessary operating controls are conveniently located within easy reach from the seat. A few trips through the field will enable the operator to become familiar with all the controls necessary to operate the machine.

The instruments are located immediately to the right of the operator on the instrument panel. Each gauge is clearly identified for readability of the vital machine functions. A panel light is provided for night operation.

For added operator comfort and efficiency, a pressurized (with or without heater) or air conditioned cab is available (optional). A heater and/or windshield wiper equipment (optional attachments) are also available.

STRIPPING UNITS

The row units are adjustable from 40-inch down to 30-inch rows. The drive wheel tread of the stripper is fixed at 81 inches; therefore, for the 482 to strip in cotton rows spaced less than 36 inches requires skip-row planting.

Automatic height sensing is standard equipment, increasing stripping efficiency with reduced operator effort. Hand screw adjustment at the top front of each unit permits quick and easy adjustment of the operating level. A range of 3 to 4 inches from the lowest to

the highest setting allows the best compromise between stripping low-growing bolls and keeping the units free from dirt.

Large strip rolls with alternating rubber flaps and nylon brushes remove a maximum of cotton with a minimum of leaves and bark from the cotton plant. The strip roll separation is controlled by a simple adjustment at the bottom front end of each stripping unit, to accommodate varying plant size or compensate for wear. Each brush consists of two sections of unequal length, allowing alternate placement to change the aggressiveness of the brushes.

Removable top stripping unit grates provide direct access to the cross auger for cleanout. The cross auger release levers raise the ends of the auger to help free any obstruction which may become lodged. The top and bottom center sections of the cross auger are also removable if the above measures do not succeed.

HYDRAULIC SYSTEM

Hydraulic functions (other than the hydrostatic drive) are used to raise and lower the basket, open and close the boll box, raise and lower the stripping units, operate the height sensing cylinders and provide power steering. Oil to actuate these components is delivered by a two-section gear-type pump, each section operating independently but driven by a common shaft. The rear pump provides oil for the basket, boll box, and unit lift functions; the front pump for the power steering and height sensing functions.

AIR SYSTEM AND BASKET

The large-volume, high-capacity air system, with its patented green boll separation, allows practically unlimited ground speed in high yielding cotton. A green boll box (optional attachment), located directly beneath the air system duct, allows dumping of bolls at row ends from the operator's position on the platform.

The huge basket holds up to 3300 pounds of seed cotton. It dumps at heights up to 12 feet with high lift (optional attachment). Final cleaning of cotton is accomplished by grates at the top of the air duct, just before the cotton enters the basket.

ENGINE AND PROPELLING MECHANISM

The 482 Cotton Stripper may be powered by a 219-cubic-inch, four-cylinder, 70-horsepower, gasoline or a 329-cubic-inch, six-cylinder, 105-horsepower, gasoline, diesel, or LP-gas engine.

A standard, four-speed, gear-type transmission is available with all engine versions. A hydrostatic transmission, which transmits power to the drive wheels by means of a hydrostatic pump and motor, is available for use with the larger engines only.

The ground speeds in each gear at rated engine speed of 2500 rpm are listed below.

The 70-horsepower engine and gear-type transmission are standard equipment; the other combinations mentioned are optional equipment.

The stripper is equipped with 14.9-26, 6-ply rated, cleat-type tires on the drive wheels, and a 12.5L-16, 8-ply rated, low-profile guide wheel tire. Optional 9.5L-15, 8-ply rated adjustable tread guide wheel tires are available.

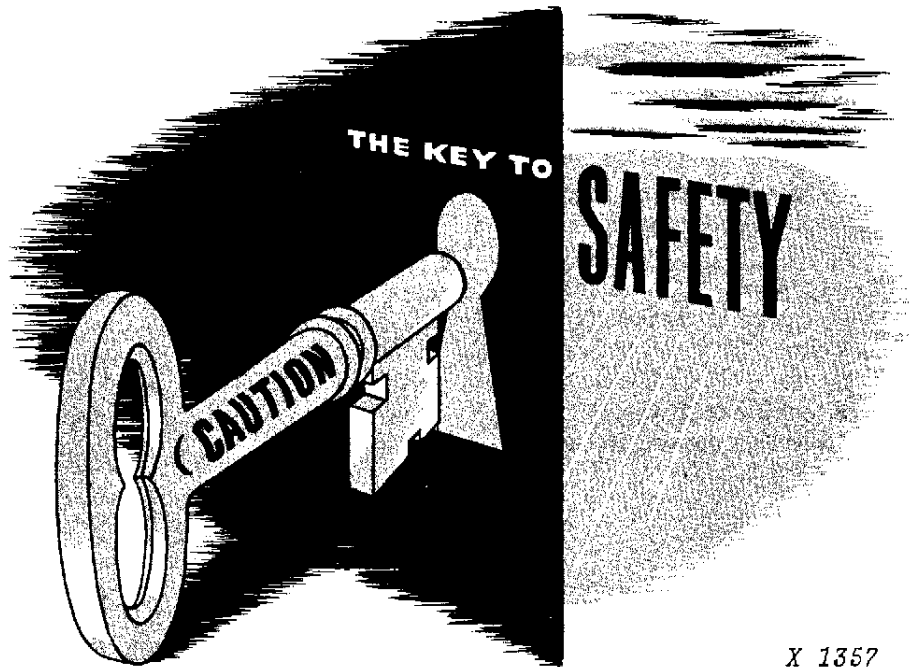
Power steering is standard equipment on all models, affording smooth, instantaneous control even with the basket fully loaded.

STANDARD TRANSMISSION

Gear	Mph	Type of Operation
1st	2.28	Stripping
2nd	4.56	Stripping
3rd	6.20	Stripping
4th	12.40	Transport
Reverse	5.15	Backing

HYDROSTATIC TRANSMISSION

Gear	Mph	Type of Operation
1st	0-2.65	Stripping
2nd	0-5.30	Stripping
3rd	0-7.20	Stripping
4th	0-14.40	Transport
Reverse	0-7.20	Backing

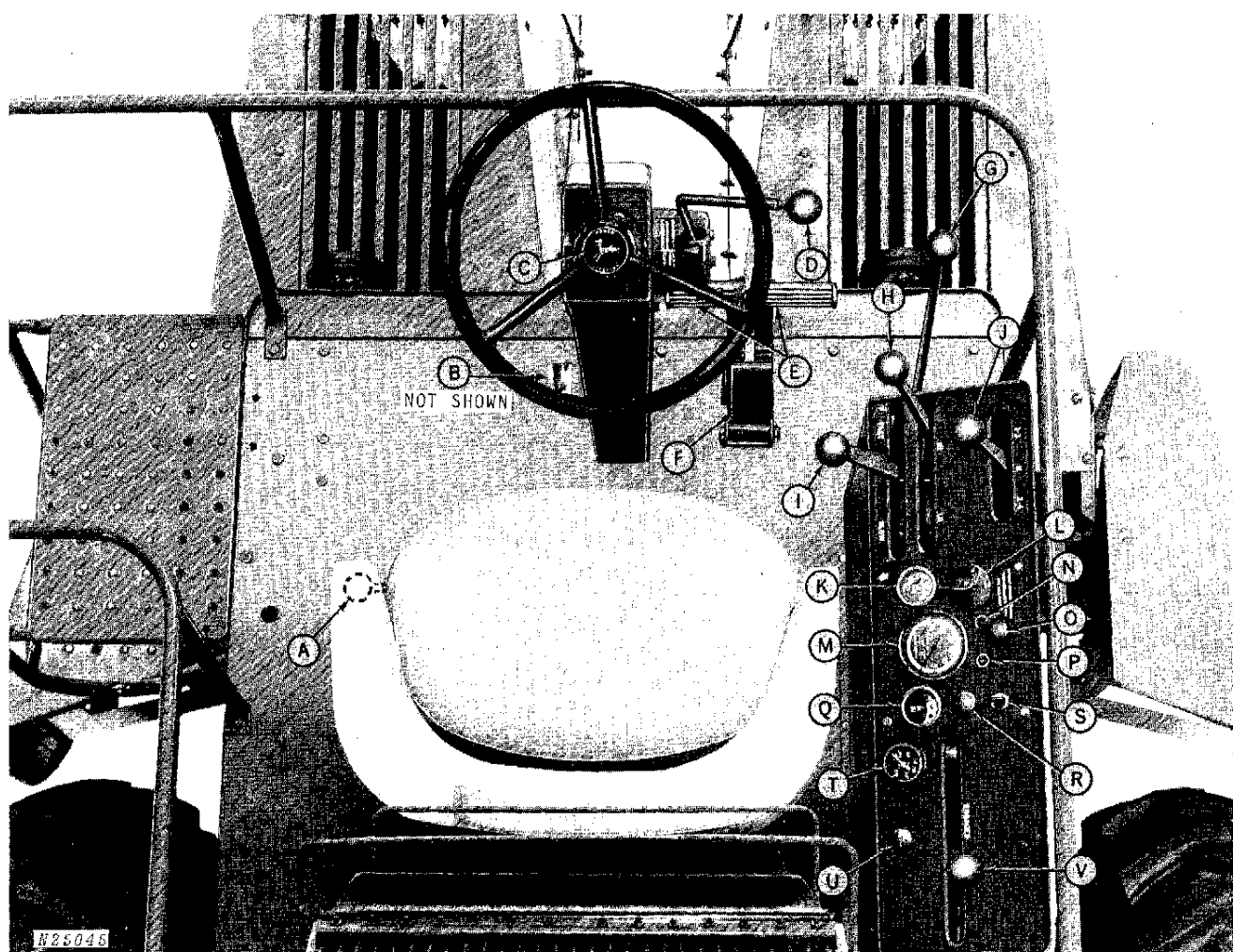


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Controls and Instruments

Before attempting to operate your new cotton stripper, become familiar with the location and purpose of all the controls and instruments. Study these pages carefully, regardless of your previous experience with similar machines.



Controls and Instruments for Cotton Stripper with Hydrostatic Transmission

- | | | |
|--|----------------------------------|--|
| A—Basket and Boll Box Dump Lever | H—Hi-Lo Range Lever | P—Alternator Warning Light |
| B—Clutch Pedal (Standard Transmission) | I—Throttle Lever | Q—Fuel Gauge (Gasoline and Diesel) |
| C—Steering Wheel (Adjustable Tilt) | J—Main Gearshift Lever | R—Starter Switch Button |
| D—Speed Range Lever
(Hydrostatic Drive) | K—Engine Water Temperature Gauge | S—Master Switch |
| E—Brake Pedals | L—Light Switch | T—Hydrostatic Oil Temperature Gauge
(Hydrostatic Drive) |
| F—Brake Latch | M—Engine Tach-Hour Meter | U—Choke (Gasoline Engine) |
| G—Unit Lift Lever | N—Oil Pressure Warning Light | V—Stripping Control Lever |
| | O—Panel Light | |

CONTROLS

Basket and Boll Box Dump Lever

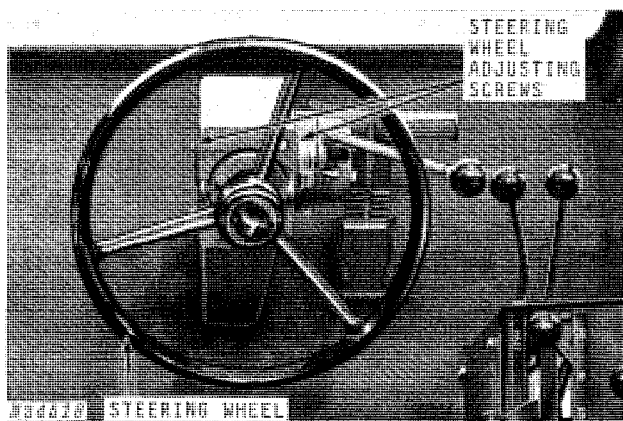
Pull lever back to dump the boll box (optional attachment) and raise the basket for dumping.

Push lever forward to lower the basket and close the boll box.

Clutch Pedal (Standard Transmission)

Push pedal all the way forward to disengage the clutch, and to operate the starter safety switch. The engine will not start unless the clutch pedal is depressed.

Steering Wheel Tilt Adjustment



To adjust steering wheel tilt, loosen adjusting screws on either side of pedestal. Tilt wheel to desired position; then tighten screws.

Speed Range Lever (Hydrostatic Drive)

The speed range lever controls both the rate and direction of travel within any of the four transmission gear ranges. The main gearshift lever and Hi-Lo range lever are used to select the desired gear.

Move the speed range lever to neutral to disengage the transmission, and to operate the starter safety switch. The engine will not start unless the speed range lever is in neutral.

After selecting the desired gear range, push the speed range lever forward and to the right to move the stripper forward. Return the lever to neutral to stop the stripper.

To operate in reverse, position the gearshift levers in the desired range and pull speed range lever back and to the right.

Brake Pedals

The stripper is equipped with individual brake pedals for the right-hand and left-hand drive wheels. A common latch locks both pedals down to set the brakes when parked.



CAUTION: When traveling at transport speeds, lock brake pedals together with tie bar and apply pressure smoothly.

Stripping Units Lift Lever

Push lever forward to lower the units. Pull lever back to raise the units.

Hi-Lo Range Lever

NOTE: The main gearshift lever must be in neutral before the Hi-Lo range lever may be shifted.

Standard transmission - The standard transmission has four speeds forward and a single speed in reverse. Place the Hi-Lo range lever in Hi-range when selecting 3rd or 4th gear, or in Lo-range when selecting 1st or 2nd gear, with the main gearshift lever. Place the main gearshift lever in neutral and the Hi-Lo range lever in (Reverse) to operate the stripper in reverse.

Hydrostatic transmission - The hydrostatic transmission has four speeds forward and in reverse. Place Hi-Lo range lever in Hi-range when selecting 3rd or 4th gear, or in Lo-range when selecting 1st or 2nd gear, with the main gearshift lever. The stripper may be operated in reverse in any of the four gear ranges.

Throttle Lever

The throttle lever controls engine speed by regulating the governor. Move lever forward to increase speed, and rearward to decrease speed or to act as a choke on the LP-gas engine.

Main Gearshift Lever

Place main gearshift lever in 1-3 position for 1st and 3rd gear operation with the Hi-Lo range lever in the proper position as noted above.

Place main gearshift lever in 2-4 position for 2nd and 4th gear operation with the Hi-Lo range lever in the proper position as noted above.

Position main gearshift lever in neutral when stopped or before shifting to reverse on the standard transmission.

Stripping Control Lever

Move the lever forward until linkage contacts stop to start the stripping units and fan. Pull it back to neutral position to stop units and fan.

Choke (Gasoline Engine)

Pull choke up to start the engine, push down when engine starts and for normal operation.

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