

42 Pull-Type Combines



OPERATORS MANUAL

42 Pull-Type
Combines

OMH90866 (01DEC62) English

OMH90866 (01DEC62)

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ENGLISH



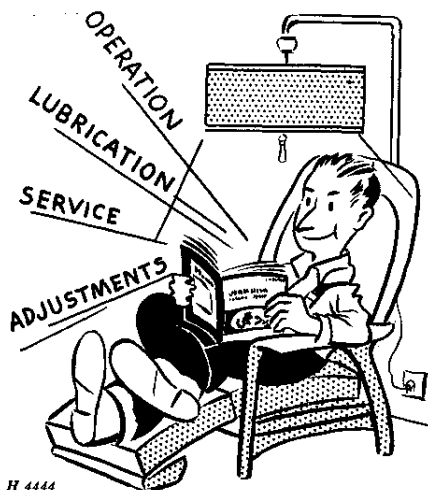
To the purchaser

The combine you have just purchased was designed and manufactured to the traditionally high quality standards of all John Deere Farm Equipment. Your combine has been thoroughly inspected and tested, not only at the factory, but at your dealer's by a trained John Deere Serviceman. We are confident that you will receive years of dependable, economical service from your John Deere Combine.

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 questions that may arise regarding the operation and service of the combine. He has trained mechanics who are kept informed on the best methods of John Deere Combine servicing, and can give you prompt "know-how" service in the field or in his shop.

Keep your combine a John Deere Combine

Genuine John Deere Parts fit properly and insure satisfactory service because they are made from the original patterns and from the same materials as used in new machines. Should your combine require replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere Parts—accept no substitutes.



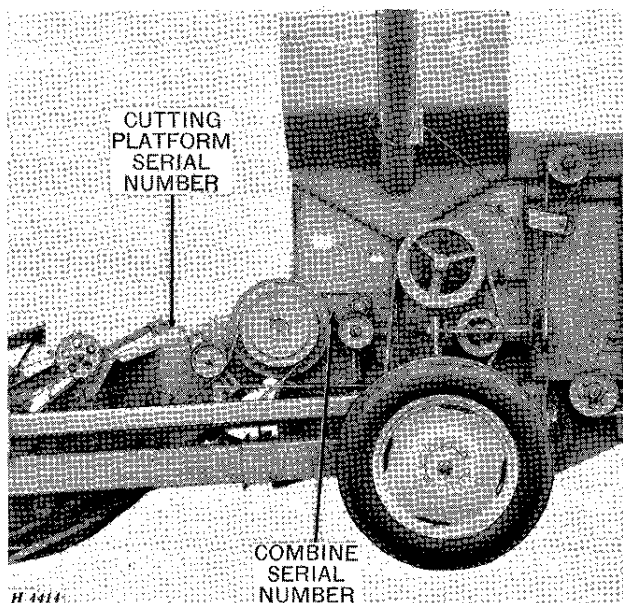
Study This Manual Carefully, Keep It Handy, In A Safe Place, For Future Reference.

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

Serial numbers



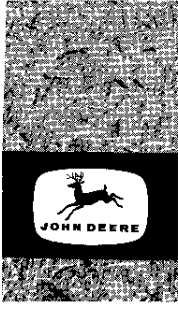
Your combine and cutting platform have serial numbers. The combine serial number is on a plate located on the left-hand cylinder bearing plate. The cutting platform serial number is on a plate located on the outside of the right-hand platform divider.

Record the serial numbers and date purchased in the spaces provided on this page. When ordering parts, always bring with you the model and serial numbers as given on the serial number plates. By doing so, you will assist your John Deere dealer in giving you prompt, efficient service.

Combine Serial No. _____

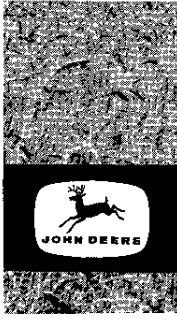
Cutting Platform Serial No. _____

Date Purchased _____



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specifications

CUTTER BAR

Length of cutter bar 8-ft.-6-in.
 Width of cut 9-ft.
 Type of knife sections Heavy-duty overserrated

REEL

Drive Chain
 No. of slats 4 regular; 3, 6, or 8 special
 Dia. of reel 32-in. or 40-in.
 Speed range 21 rpm to 50 rpm

CUTTING PLATFORM

Type of feed Auger
 Height range 2-in. below wheel level to
 31-3/8-in. above
 Height control Remote hydraulic cylinder

CUTTING PLATFORM AUGER

Diameter 18-in.
 Diameter of auger tube 10-in.
 Type of auger fingers Round retracting

CYLINDER

Type Rasp-bar or spike-tooth
 Width 24-5/8-in.

Diameter 22-in.
 Number of bars 8 rasp-bars or 10 spike-tooth bars (5 bars with 12 teeth and 5 bars with 11 teeth)

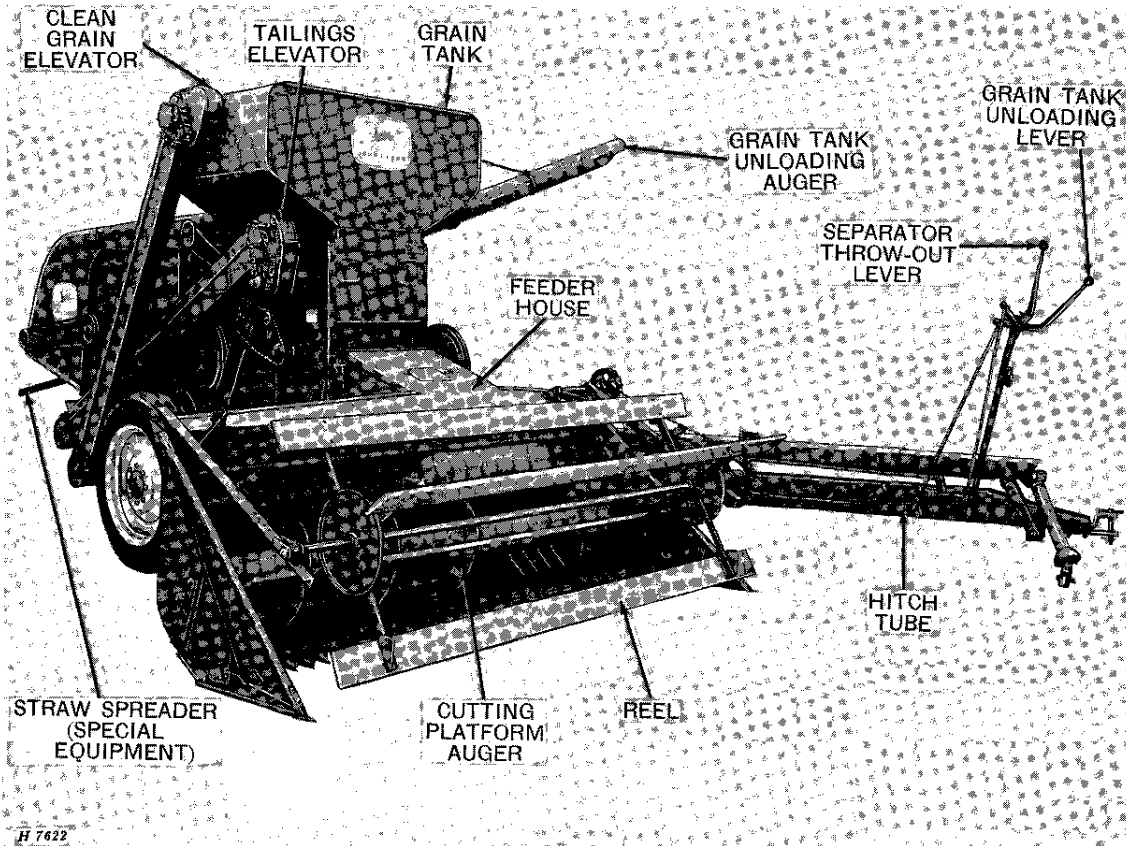
Drive Roller chain
 Speed range 394 rpm to 1075 rpm
 (3/4-inch pitch drive chain)
 274 rpm to 1056 rpm
 (1-inch pitch drive chain)

CONCAVE

Type 12 bar open-type or spike-tooth type
 Width 24-5/8-in.

BEATER

Type Wing
 Width 24-5/8-in.
 Diameter 12-in.
 Speed 670 rpm to 685 rpm



Right-hand front view, John Deere 42 Combine

SEPARATOR

Type Grain conveyor, straw walker
 Width 24-5/8-in.
 Length of separating surface 120 in.
 Area of separating surfaces 2955-sq. in.

GRAIN CONVEYOR

Type Slat
 Drive Chain

CLEANING FAN

Type Radial flow
 Drive V-belt
 Speed range 540 rpm to 680 rpm

CHAFFER

Type Adjustable
 Width 23-in.
 Length with extension 46-in.
 Area 1058-sq. in.

SIEVE

Type Adjustable
 Width 23-in.
 Length 36-in.
 Area 829-sq. in.

TOTAL CLEANING AREA 1887-sq. in.

STRAW WALKERS

Number Three
 Width 7-5/16-in.
 Length with pans extended* 102-1/4-in.
 Area 2518-sq. in.
 Number of steps Five
 Drive V-belt
 Bearings Oil-soaked maple
 *Straw walker pans are special equipment

GRAIN TANK

Capacity 32 bushel, approx. (Type and condition of crop will determine actual volume)

Capacity with grain tank extension (Special equipment) 39-bushel
 Type of unloading Hinged auger

TIRE SIZES

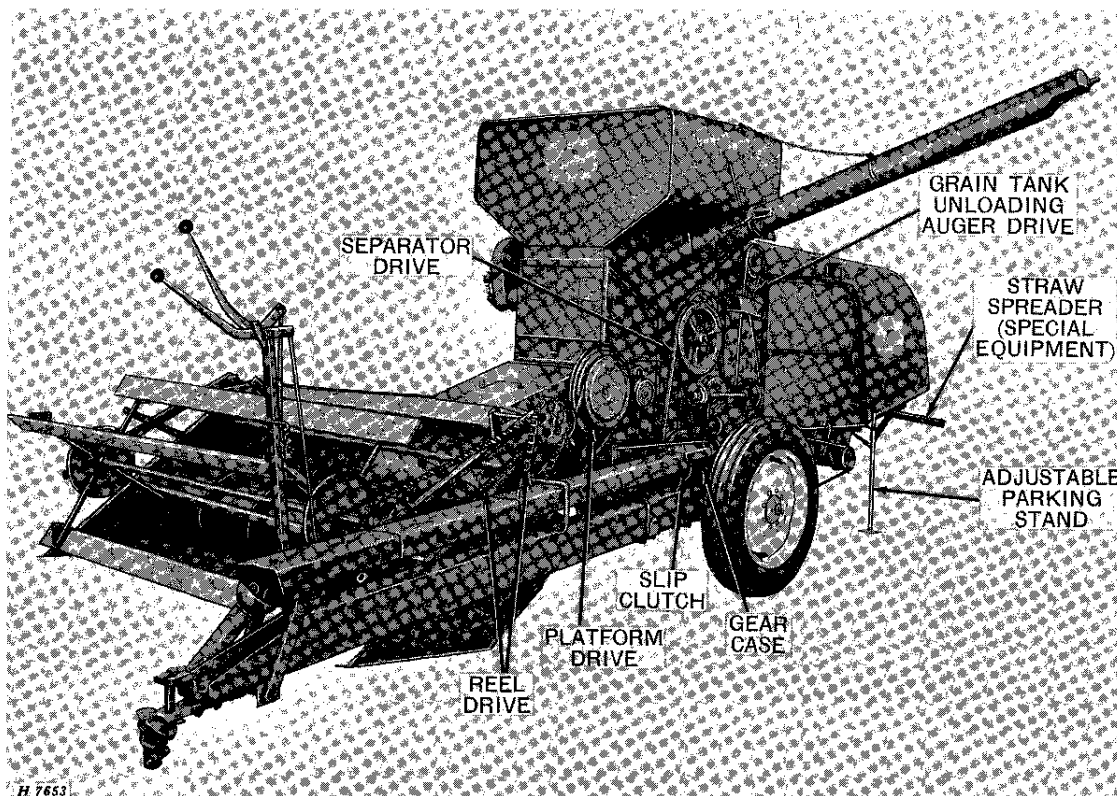
Regular 7.50-24, 6-ply rib implement
 Optional 9.00-24, 6-ply rib implement

WEIGHTS

Grain combine with 9-ft. cutting platform 4010 lbs. (approx.)

DIMENSIONS

See page 4



Left-hand front view, John Deere 42 Combine

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