

# 95H Combines



## OPERATORS MANUAL 95H Combines

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LITHO IN U.S.A.  
ENGLISH



## TO THE PURCHASER

The combine you have purchased has been carefully designed and manufactured to provide years of dependable, economical service.

To further insure trouble-free service we recommend that you follow closely all instructions concerning operation, lubrication, adjustments and service. Preventive maintenance has proved to be much more economical than corrective maintenance. Should you require information not covered in this manual, consult your John Deere dealer.

### 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. If your combine requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere Parts—accept no substitutes.

### ATTACHMENTS

In addition to the equipment furnished with your combine, there are attachments available to help you do a better job of combining in a special crop or condition. These attachments, illustrated and described in the Attachment section, are available from your John Deere dealer.

### LOCATION REFERENCE

"Right-hand" and "left-hand" sides are determined by facing in the direction the combine will travel when in use.

Radiator end of the engine is referred to as the "front," flywheel end as the "rear."

### SERIAL NUMBERS

Your combine, cutting platform, axle, and engine have serial numbers.

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. For your convenience a space is provided below for recording these numbers.

The combine serial number is on a plate located on the support bracket at the rear end of the fuel tank.

The engine serial number is on a plate located above the starter.

The axle serial number is on the top, left-hand end of the axle tube.

The cutting platform serial number is located on the right-hand side sheet.

Combine Serial No. \_\_\_\_\_

Engine Serial No. \_\_\_\_\_

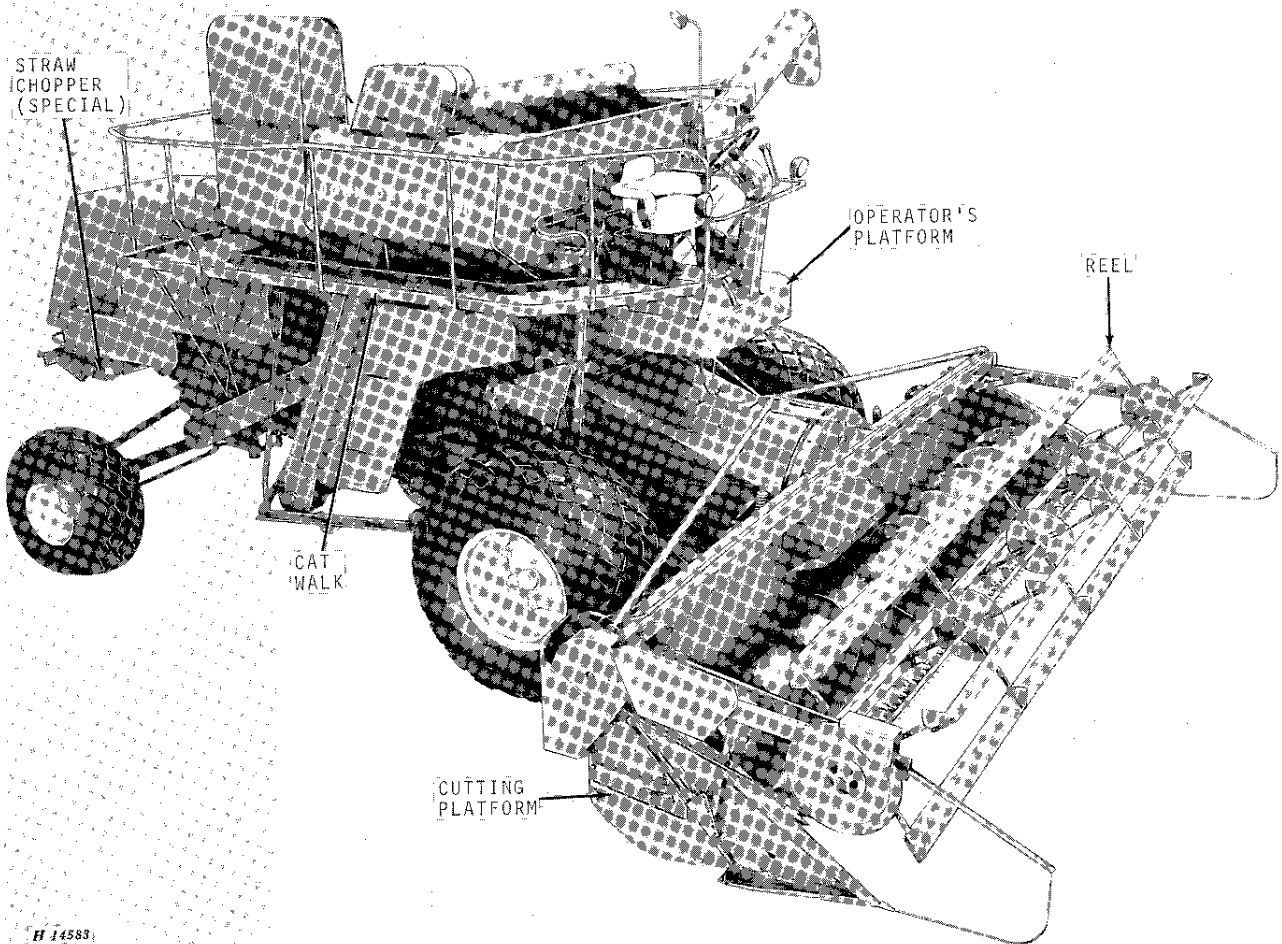
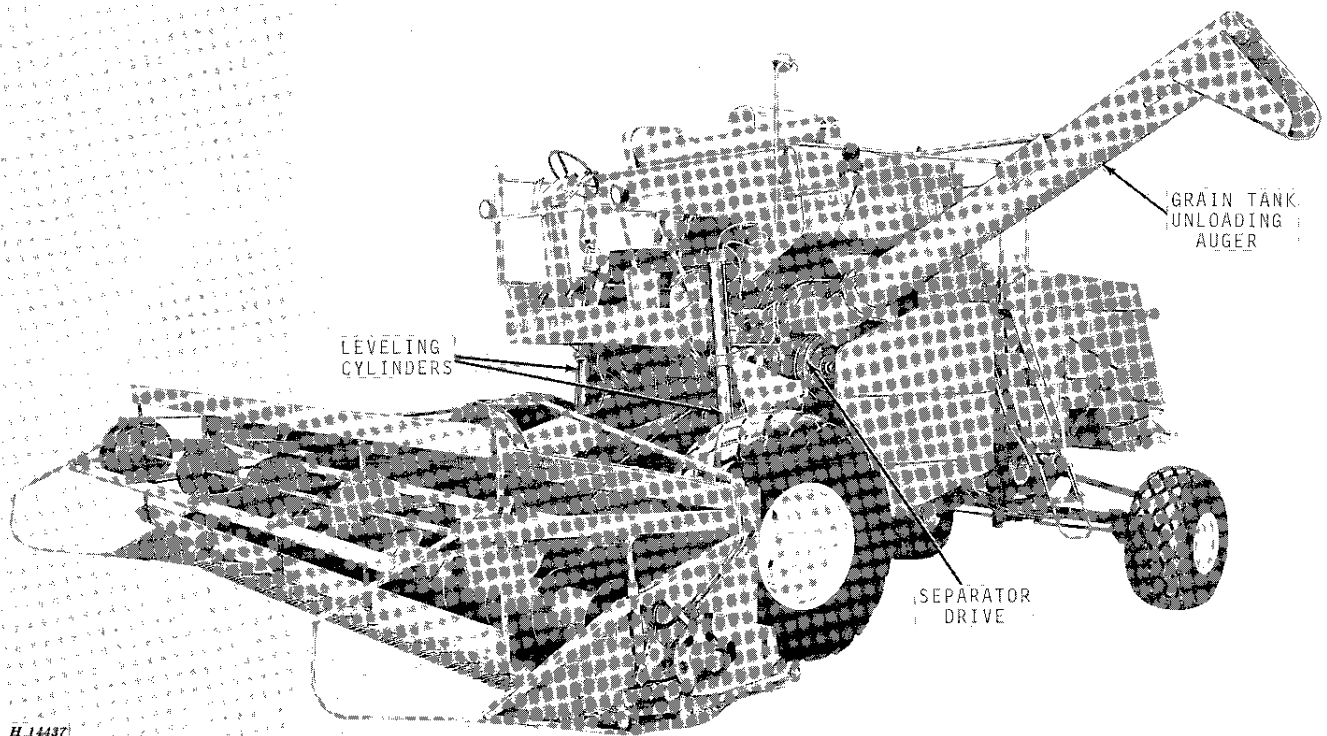
Axle Serial No. \_\_\_\_\_

Cutting Platform Serial No. \_\_\_\_\_

Date Purchased \_\_\_\_\_

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# SPECIFICATIONS

## CUTTER BAR

Width of cut . . . . . 16-ft. or 18-ft.  
Length of cutter bar . . . . . 15-ft. 6-in., or 17-ft. 6-in.  
Type of knife sections . . . . . Heavy-duty overserrated

## REEL

Drive . . . . . Chain  
Number of slats . . . . . 4 regular  
3, 6, or 8 special  
Diameter of reel . . . . . 32-in. or 40-in.  
Speed range . . . . . 19.1 rpm to 50.5 rpm

## CUTTING PLATFORM

Type of feed . . . . . Auger  
Range of cutting height:  
With 23.1-26 tires . . . . . 2-5/8-in. below wheel level  
to 28-5/8-in. above  
With 26.5-25 tires . . . . . 1-in. below wheel level  
to 33-7/8-in. above.  
Height control . . . . . 2 hydraulic cylinders

## CUTTING PLATFORM AUGER

Diameter . . . . . 20-in.  
Type of auger fingers . . . . . Round retracting

## CYLINDER

Type . . . . . Rasp-bar or spike-tooth  
Width . . . . . 40-in.  
Diameter . . . . . 22-in.  
Number of bars . . . . . 8 rasp-bars or 10 spike-tooth  
bars (five 19-tooth bars and  
five 20-tooth bars)  
Drive . . . . . Roller chain  
Speed range . . . . . 196 rpm to 1190 rpm

## CONCAVE

Type . . . . . 12-bar open type or spike-tooth type  
Width . . . . . 40-in.

*NOTE: Open type concave is equipped with adjustable bottom cover plates.*

## BEATER (Behind the cylinder)

Type . . . Drum (Spike-tooth type with removable covers)  
Width . . . . . 40-in.  
Diameter . . . . . 12-in.  
Speed . . . . . 680 rpm

## SEPARATOR

Type . . . . . Grain conveyor, straw walker  
Width . . . . . 40-in.  
Length of separating surface . . . 140-in. (Straw walker pans  
extended)  
Area of separating surface . . . . . 5,600 sq. in.

## GRAIN CONVEYOR

Type . . . . . Slat  
Drive . . . . . Chain (CA550 roller)

## CLEANING FAN

Type . . . . . 5-bladed undershot  
Drive . . . . . V-belt  
Speed range . . . . . 602 rpm to 858 rpm

## CHAFFER

Type . . . . . Adjustable  
Width . . . . . 38-1/2-in.  
Length . . . . . 48-in.  
Area . . . . . 1,867 sq. in.

## CHAFFER EXTENSION

Type . . . . . Adjustable  
Width . . . . . 38-1/2 in.  
Length . . . . . 12 in.  
Area . . . . . 462 sq. in.

## SIEVE

Type . . . . . Adjustable  
Width . . . . . 38-1/2-in.  
Length . . . . . 45-in.  
Area . . . . . 1,732 sq. in.

## TOTAL CLEANING AREA OF CHAFFER,

SIEVE, AND CHAFFER EXTENSION . . . . . 4,061 sq. in.

## STRAW WALKERS

Number . . . . . Four  
Width . . . . . 9-1/2 in.  
Length—with pans extended . . . . . 123 in.  
Area . . . . . 4,920 sq. in.  
Number of steps . . . . . Five  
Drive . . . . . V-belt  
Bearings . . . . . Oil soaked maple  
Extension pans . . . . . One on each walker

## GRAIN TANK

Capacity . . . . . 80-bushel, approx. (Type and condition of  
crop will determine actual volume)  
Type of unloading . . . . . Hinged auger

## BRAKES

Type . . . . . Individual, mechanical disk-type

## TRANSMISSION . . . . .

Automotive—4 speeds forward, 1 reverse

## STEERING . . . . .

Full power

## LEVELING MECHANISM

Type . . . . . Automatic—electrically  
activated—hydraulically  
controlled—can be  
activated manually  
Maximum degree of leveling . . . . . 0 to 42%

## WEIGHT

Combine with 18-ft. cutting  
platform and 23.1-26 tires . . . . . 15,845 lbs. (Approx.)

DIMENSIONS . . . . . See page 4.

WHEEL TREAD DIMENSIONS	
Tire Size	Center-to-Center
23.1-26	112 inches
26.5-25	115-1/2 inches
18.4-16A	106 inches

TIRE INFLATION CHART		
Tire Size	Ply Rating	Pressure
18.4-16A (Low profile)	6	10 lbs.
23.1-26 (Low profile)	10	18 lbs.
26.5-25 (Low profile)	12	16 lbs.

**GROUND SPEED RANGE**

23.1-26 TIRES			26.5-25 TIRES		
	(Min.)	(Max.)		(Min.)	(Max.)
1st Gear	.7 to	1.6 mph	1st Gear	.8 to	1.8 mph
2nd Gear	1.5 to	3.3 mph	2nd Gear	1.6 to	3.7 mph
3rd Gear	2.9 to	6.5 mph	3rd Gear	3.3 to	7.4 mph
4th Gear	5.8 to	13.1 mph	4th Gear	6.6 to	14.8 mph
Reverse	2.0 to	4.5 mph	Reverse	2.3 to	5.1 mph

**CAPACITIES (APPROX.)**

Fuel tank	40 U.S. gallons—diesel 60 U.S. gallons—gasoline
Cooling system	7 U.S. gallons
Engine crankcase	10 U.S. quarts
Transmission	14 U.S. pints
Final drives (2)	4-1/2 U.S. pints each
Hydraulic unit	12 U.S. quarts
Automatic leveling unit	18 U.S. quarts

**GASOLINE ENGINE**

Make and model of engine	John Deere HC303G
Bore	3.86 in.
Stroke	4.33 in.
Brake horse power	100*
Number of cylinders	6
Piston displacement	303 cu. in.
Maximum load speed	2500 rpm
Firing order	1-5-3-6-2-4
Crankcase	Cast integral with block
Type of lubrication	Force feed by gear pump
Valve arrangement	Valve in head
Valve clearance:	
Intake	.014-in.
Exhaust	.022-in.
Make of governor	John Deere
Make of carburetor	Marvel-Schebler
Air cleaner	Dry type
Spark Plug	Size 14 mm-gap .025-in.
Electrical system	12 volt
Cooling system	Water pressure
Type of fuel	Gasoline (regular)
Oil filter	Full flow

**DIESEL ENGINE**

Make and model of engine	John Deere HA303D
Bore	3.86 in.
Stroke	4.33 in.
Brake horse power	100*
Number of cylinders	6
Piston displacement	303 cu. in.
Maximum load speed	2500 rpm
Firing order	1-5-3-6-2-4
Crankcase	Cast integral with block
Type of lubrication	Force feed by gear pump
Valve arrangement	Valve in head
Valve clearance:	
Intake	.014-in.
Exhaust	.018-in.
Make of injection pump	Roosa-Master
Make of fuel injection nozzles	Roosa-Master
Air cleaner	Dry type
Electrical system	12 volt
Cooling system	Water pressure
Type of fuel	No. 1-D or No. 2-D Diesel fuel
Oil filter	Full flow

(Specifications and design subject to change without notice.)

\*Factory observed at 85°F. and 29.38 in. Hg. at 500 ft. above sea level.

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