

# JOHN DEERE 95 H COMBINE



# **OPERATORS MANUAL**

JOHN DEERE 95 H COMBINE

OMH65203 A8 English

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LITHO IN THE 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 side of the leveling beam support.

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	

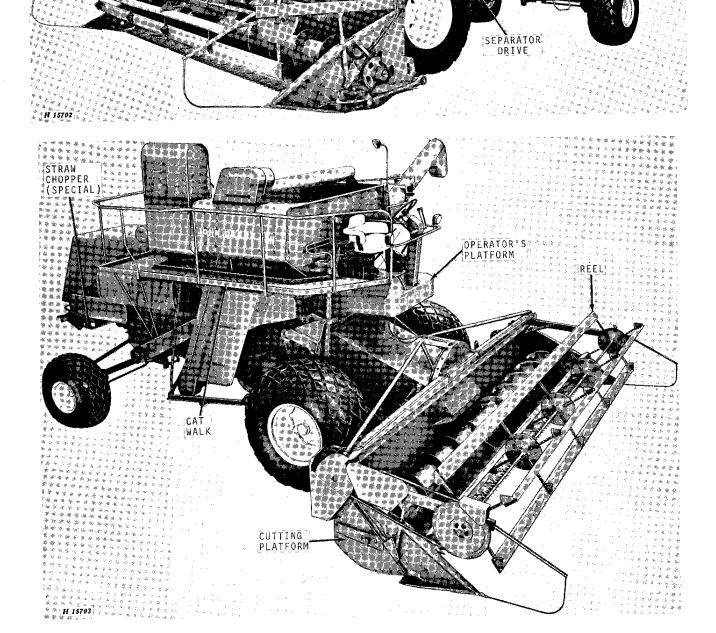
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Operator's Manual Price



GRAIN TANK UNLOADING AUGER



LEVELING CYLINDERS



# **SPECIFICATIONS**

Drive   Variable speed, V-belt	CUTTER BAR	CLEANING FAN
Speed range	Width of cut 16-ft. or 18-ft.	
CHAFFER		• <i>,</i>
Drive. V-Beit Number of slats. 4 tegular Winth of slats. 4 tegular Signer 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 26.5-25 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 With 26.5-25 tires. 2-b/8-in. above Hoight control. 2 hydraulic cylinders With 26.5-25 tires. Nounder eta-eta-eta-eta-eta-eta-eta-eta-eta-eta-	Type of knife sections Heavy-duty overserrated	Speed range 400 rpm to 1000 rpm
Number of slats.	REEL	CHAFFER
Diameter of reel.   32-in. or 40-in.   Speed range.   19.1 rpm to 50.5 rpm	Drive	
Diameter of reel.   32-ln. or 40-ln.   Speed range.   19.1 rpm to 50.5 rpm   CUTTING PLATFORM   Auger   Range of cutting height:   to 28-5/8-ln. above   With 23.1-26 tires.   2-5/8-ln. above   With 26.5-25 tires.   1-ln. below wheel level   to 33-7/8-ln. above   Height control.   2 hydraulic cylinders   CUTTING PLATFORM AUGER   Diameter.   20-ln.   Type of auger fingers.   Round retracting   CYLINDER   Type.   Rasp-bar or spike-tooth   Width.   40-ln.   Diameter.   22-ln.   Number of bars.   8 rasp-bars or 10 spike-tooth   bars (itre 19-tooth bars)   Drive.   Roller chain   Speed range.   196 rpm to 1190 rpm   CONCAVE   Type.   12-bar open type or spike-tooth   Speed range.   12-bar open type or spike-tooth   Diameter.   19-6 rpm to 1190 rpm   CONCAVE   Type.   12-bar open type or spike-tooth   Diameter.   12-in.   Speed.   680 rpm   SEPARATOR   Type.   Grain conveyor, straw walker   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 pana extended)   Area of separating surface.   5,800 sq. in.   GRAIN CONVEYOR   Type.   Chain (CA550 roller)   Sieve   Type.   Stat   Drive.   Chain (CA550 roller)   Steparating surface.   5,800 sq. in.   GRAIN CONVEYOR   Type.   Chain (CA550 roller)   Speed.   Chain (CA550 roller)   Steparating surface.   5,800 sq. in.   GRAIN CONVEYOR   Type.   Chain (CA550 roller)   Steparating surface.   5,800 sq. in.   GRAIN CONVEYOR   Type.   Chain (CA550 roller)   Steparating surface.   5,800 sq. in.   GRAIN CONVEYOR   Type.   Chain (CA550 roller)   Steparating surface.   5,800 sq. in.   Steparating surface.   5,800 s	Number of slats 4 regular	Width
CUTTING PLATFORM   Type of feed.   Adjustable   Again   Type of teed.   Adjustable   Type of teed.   Type of teed	3, 6, or 8 special	
CUTTING PLATFORM   Type of feed.   Auger   Range of cutting height:   to 28-5/8-in. above   to 33-7/8-in. above   to 34-in. Area.		Area
Type of feed. Auger Range of cutting height: With 23.1-26 tires. 2.5/8-in. above With 26.5-25 tires. 1-in. below wheel level to 28-5/8-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 (itre 19-tooth bars) Drive. Roller chain Speed range. 198 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 width. 40-in. Diameter. 12-in. Speed. 880 rpm SEPARATOR Type. Grain conveyor, straw walker Width. 40-in. Length. 32-iv. Area. 462 sq. in. Length. 38-iv. Length. 38-iv. Length. 38-iv. Width. 38-iv. Length. 38-iv. Length. 38-iv. Width. 38-iv. Length. 3	Speed range 19.1 rpm to 50.5 rpm	
Type of feed.	CITEMING DI AMPODIA	
Length		
Area.		
to 28-5/8-in. above With 26,5-25 tires.		
Type   Adjustable   Width   38-1/2-in   Adversarial   Width   38-1/2-in   Adjustable   Width   38-1/2-in   Afea   1,754 sq. in   A	to 28-5/8-in, above	Atta
Width	With 26.5-25 tires 1-in, below wheel level	SIEVE
Length. 45-in. 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. 198 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 bot- tom cover plates.  BEATER (Behind the cylinder) Type. Drum (Spike-tooth type with removable covers) Width. 40-in. Diameter. 12-in. Speed. 680 rpm SPPARATOR Type. Grain conveyor, straw walker Width. 40-in. Length 45-in. Area. 1,734 sq. in. TOTAL CLEANING AREA OF CHAFFER SIEVE, AND CHAFFER EXTENSION. 4,061 sq. in.  STRAW WALKERS Number		Type, Adjustable
CUTTING PLATFORM AUGER Diameter	Height control 2 hydraulic cylinders	
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 (tive 19-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 panse extended) Area of separating surface. 15,600 sq. in.  GRAIN CONVEYOR Type. Slat Drive. Chain (CA550 roller)  TOTAL CLEANING AREA OF CHAFFER, SIEVE, AND CHAFFER EXTENSION. 4,061 sq. in.  TOTAL CLEANING AREA OF CHAFFER, SIEVE, AND CHAFFER EXTENSION. 4,061 sq. in.  STRAW WALKERS Number. STRAW WALKERS Number. Pour 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 Capacity. 80-bushel, approx. (Type and condition of crop will determine actual volume) Type of unloading. Hinged auger TRANSMISSION. Automotive—4 speeds forward, 1 re- verse STEERING. Full power  TRANSMISSION. Automotive—4 speeds forward, 1 re- verse STEERING. Full power  Type. Automatic—electrically activated—hydraulical- ly controlled—can be activated individual, mechanical disk-type Maximum degree of leveling. 42%  WEIGHT Combine with 18-ft. cutting platform and 23.1-26 tires. 15,445 lbs. (Approx.)		
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 bot- tom cover plates.  BEATER (Behind the cylinder) Type. Drum (Spike-tooth type with removable covers) Width. 40-in. Dlameter. 12-in. Speed. 680 rpm  SEPARATOR Type. Grain conveyor, straw walker Width. 40-in. Length-with pans extended. 123 in. Number of steps. Five Drive. 0-0 on each walker  GRAIN TANK Capacity. 80-bushel, approx. (Type and condition of crop will determine actual volume) Type of unloading. Hinged auger  Type. Individual, mechanical disk-type Type. Individual, mechanical disk-type Type. Steps of leveling Steps. Full power  SEPARATOR Type. Grain conveyor, straw walker Width. 40-in. Length of separating surface. 140-in. (Strawwalker pans extended) Area of separating surface. 5,600 sq. in.  GRAIN CONVEYOR Type. Slat Drive. Chain (CA550 roller)  TOTAL CLEANING AREA OF CHAFFER, SIEVE, AND CHAFFER EXTENSION. 4,061 sq. in. STRAW WALLKERS Number. Four Width. 9-1/2 in. Length-with pans extended. 123 in. Number of steps. Ste		Area
SIEVE, AND CHAFFER EXTENSION 4,061 sq. in.  CYLINDER Type		MOMAL CLEANING ADEA OF CHARRED
Type. Rasp-bar or spike-tooth Width. 40-in. Diameter. 22-in. Number of bars. 8 rasp-bars or 10 spike-tooth bars and five 20-tooth dars an	Type of auger ingers Round retracting	,
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 bot- tom 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. (Strawwalker pans extended) Area of separating surface. 5,600 sq. in.  GRAIN CONVEYOR Type. Chain (CA550 roller)  Type. Chain (CA550 roller)  STRAW WALKERS Number. 9-1/2 in. Width. 9-1/2 in. Area. 4,920 sq. in. Number of steps. Five Drive. 0-il soaked maple Extension pans. One on each walker Capacity. 80-bushel, approx. (Type and condition of crop will determine actual volume) Type. Individual, mechanical disk-type Type. Automatic—electrically Type. Automatic—electrically Maximum degree of leveling 42%  WEIGHT Combine with 18-ft. cutting platform and 23,1-26 tires. 15,845 lbs. (Approx.)	CVINDER	SIEVE, AND CHAFFER EXTENSION 4,001 Sq. III.
Width	·	STRAW WALKERS
Diameter		
Number of bars. 8 rasp-bars or 10 spike-tooth bars of 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 With. 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. 5,600 sq. in.  GRAIN CONVEYOR Type. Stat Drive. Chain (CA550 roller)  WEIGHT  Combine with pans extended. 123 in. Area. 4,920 sq. in. Area. 4.920 sq. in. Area	Diameter	
Area	Number of bars 8 rasp-bars or 10 spike-tooth	
Drive		Area
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. 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. Chain (CA550 roller)  Bearings. One on each walker Extension pans. One on each walker Capacity. 80-bushel, approx. (Type and condition of crop will determine actual volume) Type of unloading. Hinged auger TRANSMISSION. Automotive—4 speeds forward, 1 reverse  STEERING. Full power  LEVELING MECHANISM Type. Automatic—electrically activated—hydraulical—ly controlled—can be activated manually Maximum degree of leveling 42%  WEIGHT Combine with 18-ft. cutting platform and 23,1-26 tires. 15,845 lbs. (Approx.)		
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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 TANK  Capacity. 80-bushel, approx. (Type and condition of crop will determine actual volume)  Type of unloading. Hinged auger  TRANSMISSION. Automotive—4 speeds forward, 1 reverse  STEERING. Full power  STEERING. Full power  LEVELING MECHANISM Type. Automatic—electrically activated-hydraulically controlled—can be activated manually  Maximum degree of leveling 42%  WEIGHT Combine with 18-ft. cutting platform and 23.1-26 tires. 15,845 lbs. (Approx.)	Speed range 196 rpm to 1190 rpm	
Type. 12-bar open type or spike-tooth type Width. 40-in.  NOTE: Open type concave is equipped with adjustable bot- tom 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 TANK Capacity. 80-bushel, approx. (Type and condition of crop will determine actual volume) Type of unloading. 10-dividual, mechanical disk-type Type. Individual, mechanical disk-type TRANSMISSION. Automotive—4 speeds forward, 1 reverse  STEERING. Full power  LEVELING MECHANISM Type. Automatic—electrically activated—hydraulical—ly controlled—can be activated manually Maximum degree of leveling 42%  WEIGHT Combine with 18-ft. cutting platform and 23,1-26 ttres. 15,845 lbs. (Approx.)	CONGLET	Extension pans One on each walker
Width		OD A DV MANUE
Crop will determine actual volume) Type of unloading		
Type of unloading. Hinged auger tom cover plates.  BEATER (Behind the cylinder) Type Drum (Spike-tooth type with removable covers) Width	width,	
BEATER (Behind the cylinder) Type Drum (Spike-tooth type with removable covers) Width	NOTE: Open type concave is equipped with adjustable bot-	Type of unloading Hinged auger
BEATER (Behind the cylinder) Type Drum (Spike-tooth type with removable covers) Width	tom cover plates.	
Type Drum (Spike-tooth type with removable covers) Width		BRAKES
Width		Type Individual, mechanical disk-type
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)  Diameter. 12-in. Verse  STEERING. Full power  LEVELING MECHANISM Type. Automatic—electrically activated-hydraulical—ly controlled—can be activated manually Maximum degree of leveling. 42%  WEIGHT Combine with 18-ft. cutting platform and 23.1-26 tires. 15,845 lbs. (Approx.)		
Speed		· · · · · · · · · · · · · · · · · · ·
SEPARATOR Type		verse
SEPARATOR Type	speed	STEEDING Full newer
Type	SEPARATOR	SIEERING
Width		LEVELING MECHANISM
Length of separating surface. 140-in, (Strawwalker pans extended)  Area of separating surface 5,600 sq. in,  GRAIN CONVEYOR  Type		
Area of separating surface 5,600 sq. in.  GRAIN CONVEYOR  Type	Length of separating surface. 140-in. (Strawwalker pans	
GRAIN CONVEYOR Type		ly controlled—can be
GRAIN CONVEYOR  Type	Area of separating surface 5,600 sq. in.	
Type	CD LDI GOLDINOS	Maximum degree of leveling
Drive		TITIO COM
platform and 23.1-26 tires 15,845 lbs. (Approx.)		
	Drive	
		DIMENSIONS

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

## CAPACITIES (APPROX.)

	· · · · · · · · · · · · · · · · · · ·
Fuel tank	40 U.S. gallons—diesel 60 U.S. gallons—gaso-
	line
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 system reservoir	12 U.S. quarts
Automatic leveling system reservo	ir 18 U.S. quarts

# GASOLINE ENGINE

Make and model of engine	John Deere HC303G
Bore	
Stroke	
Brake horse power	
Number of cylinders	
Piston displacement	
Maximum load speed	
Firing order	
Crankcase	
	block
Type of lubrication	Force feed by gear
	pump
Valve arrangement	Valve in head
Valve clearance:	
Intake	
Exhaust	,022-in.
Make of governor	John Deere
Make of carburetor	
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

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

## DIESEL ENGINE

	DIESEE ENOUGH		
Make and model of engine	John Deere HA303D		
Bore			
Stroke			
Brake horse power	100* <sup>†</sup>		
Number of cylinders	6		
Piston displacement			
Maximum load speed			
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			
Exhaust			
Make of injection pump	Roosa-Master		
Make of fuel injection nozzles			
Air cleaner			
Electrical system			
Cooling system	Water pressure		
Type of fuel			
	Diesel fuel		
Oil filter	Full flow		

<sup>\*</sup>Factory observed at  $85^{\circ}F$ . and 29.38 in. Hg. at 500 ft. above sea level.

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