

880 HYDROSTATIC-DRIVE WINDROWER

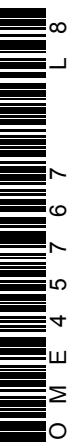


OPERATORS MANUAL 880 HYDROSTATIC-DRIVE WINDROWER

OME45767 L8 English

OME45767 L8

LITHO IN THE U.S.A.
ENGLISH



TO THE PURCHASER

Your hydrostatic-drive windrower was designed and manufactured to the traditionally high quality standards of all John Deere Farm Equipment. It has been thoroughly inspected and tested, not only at the factory, but also at your dealer's by a trained John Deere serviceman.

Information concerning the warranty on this windrower appears on your copy of the purchase order which you should have received from your dealer when the windrower was delivered to you.

Should your windrower require replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere Parts—accept no substitutes. 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.

SERIAL NUMBERS

When ordering parts, always furnish the model and complete 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.

The windrower serial number is located on the center of the right-hand main frame of the power unit.

The draper cutting platform serial number is located on the left-hand stabilizer arm bracket.

The auger cutting platform serial number is located on top of the left-hand arm channel.

The twin-swath cutting platform serial number is located on the left-hand stabilizer arm bracket.

The hay conditioner serial number is located on the left-hand side of the main frame.

The engine serial number is located on the engine block between the fuel pump and distributor.

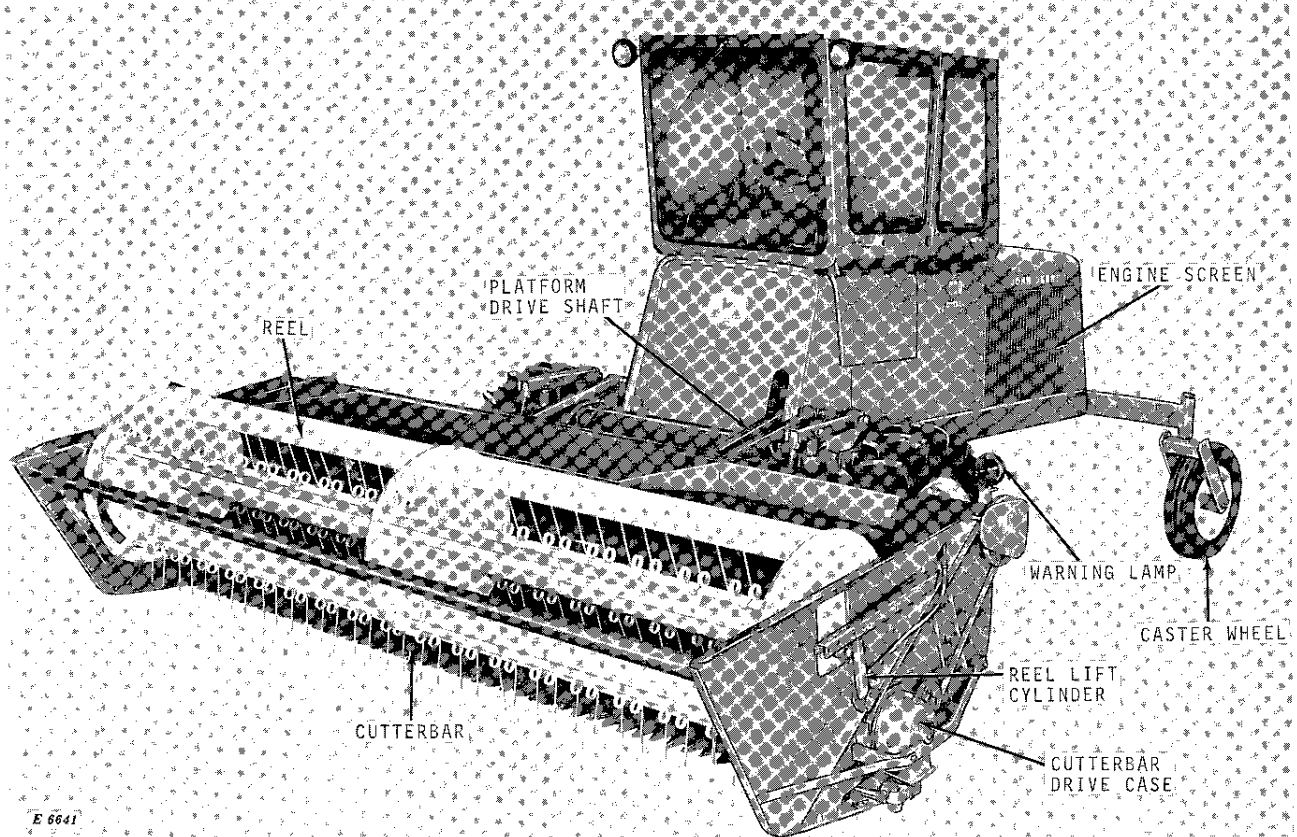
Record the serial numbers in the spaces provided below.

Windrower
Draper cutting platform
Auger cutting platform
Twin-swath cutting platform
Hay conditioner
Engine

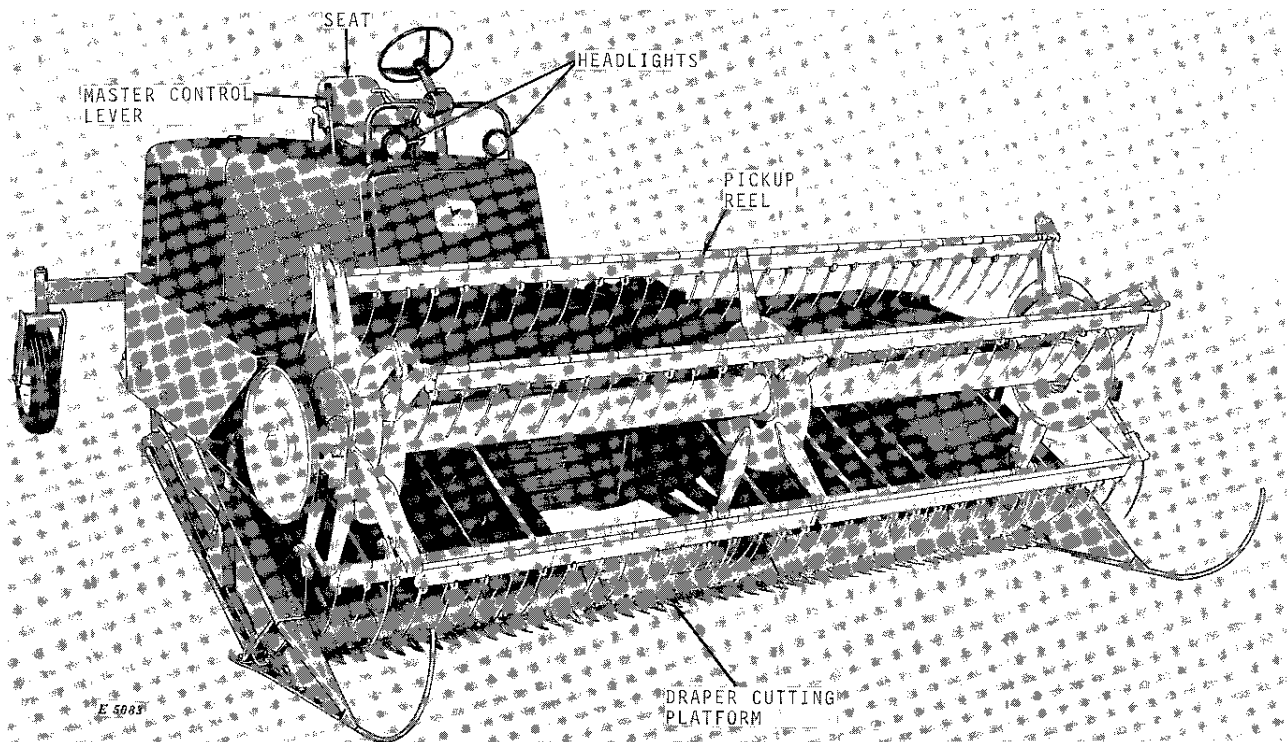
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NOTE: Right- and left-hand sides referred to in this manual are determined from a position at the rear of the machine facing in the direction of travel.



John Deere 880 Windrower with Operator's Cab and 12-Footer Auger Platform



John Deere 880 Windrower with 12-Footer Draper Platform

SPECIFICATIONS

880 WINDROWER (TRACTION UNIT):

Engine:

John Deere EA-180-G, gasoline. . . . 57 hp
 John Deere EA-202-D, diesel. 56 hp

Electrical system. 12 volts

Propelling drive. Hydrostatic

Hydraulic system. 10 U.S. gal.

Fuel tank. 40 U.S. gal.

Tire sizes:

Drive wheels (standard)
 (20 psi). 11.2/10-24
 High flotation (optional) (14 psi) 18.4-16
 Caster wheels (20 psi). 5.90-15

Overall length (with draper
 platform). 19 ft. 6 in.

Overall height. 91 in.

Overall height with cab. 112 in.

Wheel base. 120 in.

Tread width (center-to-center). . . . 84 in.

Turning radius:

Steering wheel. Variable
 Levers. 0 ft.

Ground speed. 0-12 mph

Weight (with standard wheels and
 John Deere EA-180-G
 Engine). (Approx.) 3932 lbs.

PLATFORMS (88 DRAPERS, 188 AUGERS, AND 288 TWIN-SWATH):

Sizes and types. . . 12-ft. and 14-ft. drapers
 with pickup or bat reel;
 12-ft. and 14-ft. augers; and
 18-ft. twin-swath with bat reel

Cutterbar:

Type drive. Enclosed, running in oil
 Speed:

Draper and auger 1300 strokes per minute
 Twin-swath. . . . 1150 strokes per minute
 Guards . Heavy-duty, double forged steel
 Knives (chrome):
 Standard. Overserrated
 Extra. Smooth or underserrated
 Guard angle. 9-1/2°

Reel:
Speed:

Auger. 52-64 rpm
 Auger (special sprocket). . . . 41-51 rpm
 Draper and twin-swath. 39-61 rpm
 Adjustments (Draper and twin-swath):
 Vertical. 27 in.
 Horizontal. 9 in.

Conveyor canvases:

Drive. Bevel gear case
 Speed. 710 rpm
 Draper tension. Spring-loaded

Range of cutting height:

Auger. -5 in. to 27 in.
 Draper and twin-swath. -5 in. to 30 in.

Platform angle: Draper. 30°
 Twin-swath. 25° or 30°

Distance between canvases. 36 in.

Weight:

12-Foot Auger. (Approx.) 1625 lbs.
 14-Foot Auger. (Approx.) 1825 lbs.
 12-Foot Draper with
 pickup reel. (Approx.) 1500 lbs.
 14-Foot Draper with
 pickup reel. (Approx.) 1700 lbs.
 18-Foot Twin-Swath (Approx.) 1850 lbs.

80 HAY CONDITIONER:

Type of rolls. Formed steel fluted

Rolls:

Length. 38 in.
 Diameter. 7-3/4 in.
 Speed. 688 rpm

Weight. (Approx.) 405 lbs.

ENGINE

	EA-180-G	EA-202-D
Brake horsepower*	57	56
Number of cylinders	4	4
Bore and stroke, inches.	3.86 x 3.86	3.86 x 4.33
Displacement in cubic inches	180.0	202.0
Compression ratio	7.5 to 1	16.7 to 1
Firing order	1-3-4-2	1-3-4-2
Intake valve clearance.	0.014-inch	0.014-inch
Exhaust valve clearance	0.022-inch	0.018-inch
Slow idle.	800 rpm	800 rpm
Fast idle.	2680 rpm	2650 rpm
Working speed range.	2500 rpm	2500 rpm
Type of fuel.	Gasoline	Diesel
Cooling system	14 qts.	14 qts.
Crankcase (including filter)	7 qts.	7 qts.
Air cleaner (dry-type)		
Electrical system	12-volts (negative ground)	

*Observed at Nebraska Tests No. 935, 936, 937, and 938.

(Specifications and design are subject to change without notice.)

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