

2280 Hydrostatic- Drive Windrower



JOHN DEERE

OPERATORS MANUAL

2280 Hydrostatic-
Drive Windrower

OME66221 K9 English

John Deere Ottumwa Works
OME66221 K9

LITHO IN U.S.A.
ENGLISH



INTRODUCTION

IMPORTANT WARRANTY INFORMATION

The warranty on this windrower appears on your copy of the purchase order which you should have received from your dealer when making your purchase. This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty.

Warranty and field improvements are a part of John Deere's product support program for customers who operate and maintain their equipment as described in this manual. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

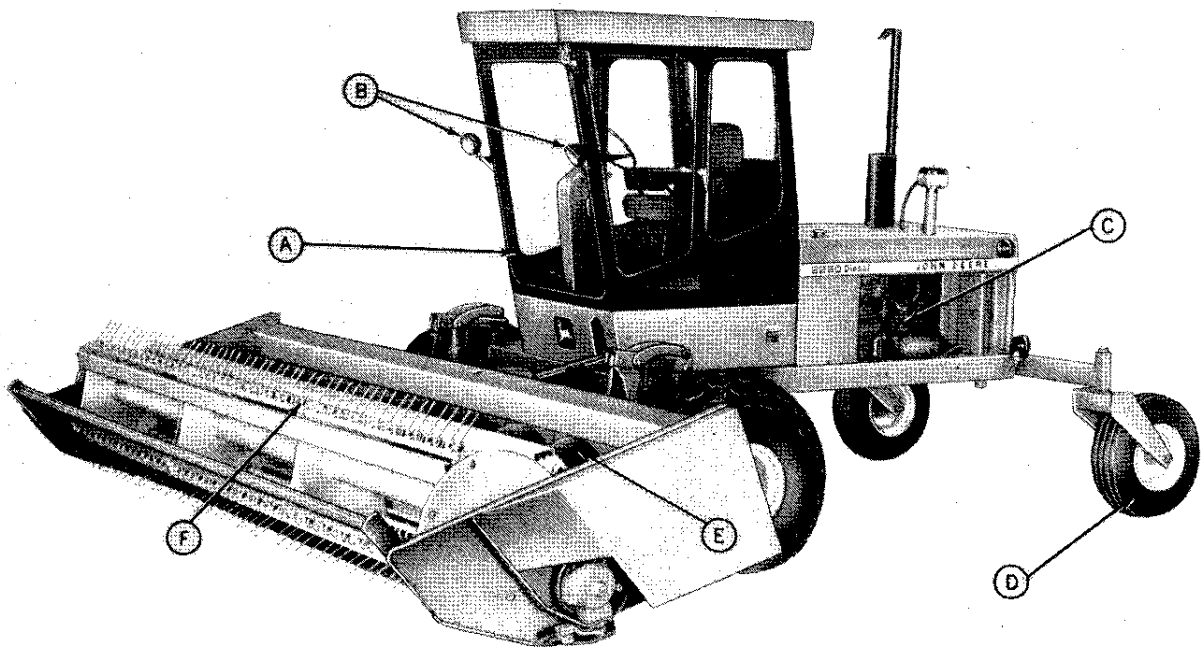


This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

"Right-hand" and "left-hand" sides are determined by facing in the direction of windrower forward travel.

Because John Deere sells its products world-wide, U.S. units of measure are shown with their respective Metric equivalents throughout this operator's manual. These equivalents are the SI (International System) Units of Measure.

Record your windrower serial number in the space provided on page 104. Your dealer needs this information to give you prompt, efficient service when you order parts. If your windrower requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere parts—accept no substitutes.



R15933

A—Cab

B—Head Lamps

C—Engine

D—Caster Wheel

E—Auger

F—Reel

John Deere 2280 Windrower with Cab and 230 Auger Platform



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Safety

BEFORE OPERATING

1. Read all decals and SAFETY section of this manual.
2. Remove foreign objects from machine.
3. All shields must be in place and secure.
4. Become familiar with all controls.
5. Check hardware condition.
6. Check condition of hydraulic hoses and connections.

OPERATE SAFELY

Never allow riders on the windrower.

Keep all shields in place when operating windrower.

Wear relatively tight and belted clothing to prevent being caught on some part of machine.

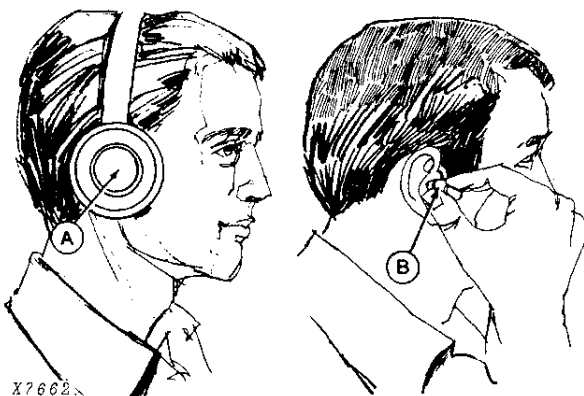
Use the handrail and hand grip when mounting or dismounting windrower.

Keep the operator's platform clean. Do not use it as a place to carry loose tools, lunch boxes, etc.

Do not leave windrower unattended with platform raised. Always lower it to the ground or secure hydraulic cylinder lock on both platform lift cylinders.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Hearing protective devices such as ear muffs (A) or plugs (B) can effectively protect against loud noise.



A—Earmuffs
B—Earplugs

PRACTICE SAFE MAINTENANCE

Add engine coolant only with engine stopped or idling. Turn radiator cap slowly to relieve pressure before removing.

If possible, disconnect battery ground strap before adjusting engine or servicing electrical system.

Use caution in handling any type of engine fuel. Do not smoke while filling the fuel tank or servicing the fuel system.

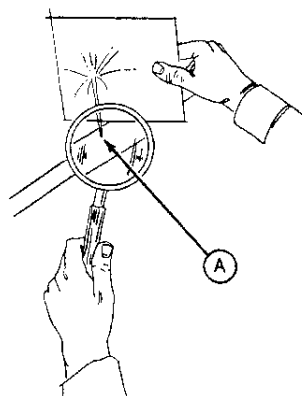
Before servicing or adjusting the windrower or removing material from it always:

1. Disengage all power,
2. Shut off engine,
3. **THEN WAIT** until all moving parts have stopped rotating.

Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that lines, pipes and hoses are not damaged.

Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.



E15476

A—Pin Hole Leak

TRANSPORT SAFELY

When operating the windrower on a road or highway at night or during the day, use necessary lights and devices for adequate warning to operators of other vehicles. In this regard, check local governmental regulations. Various safety lights and devices are available from your John Deere dealer. Clean the SMV (slow moving vehicle) emblem before transporting machine.

Do not tow windrower faster than 20 mph (32 km/h).

If machine is equipped with turn signals always use them. Flashing warning lights must be on for turn signals to function. Be sure to return lever to center (Off) position after turning.

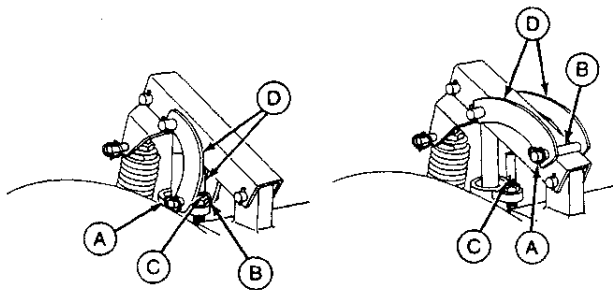
Drive as far to the right as possible on thoroughfares.

Never attempt to start windrower by towing.

Transporting a windrower without a platform reduces the ability to steer.

If transporting without a platform is necessary, operate at slow speed only. Place master control lever at number 4 variable or less.

Never operate machine in the field in transport range.



E16915

Locked Position

Storage Position

Raise platform to maximum height and use locked position when transporting windrower with platform. Use the hydraulic cylinder lock as shown in illustration. To secure for transporting, remove Quik-Lock pin (A), pin (B), and let strap (D) pivot down. Replace pin (B) through straps (D) between cylinder and stop pin (C). Secure pin (B) with Quik-Lock pin (A).

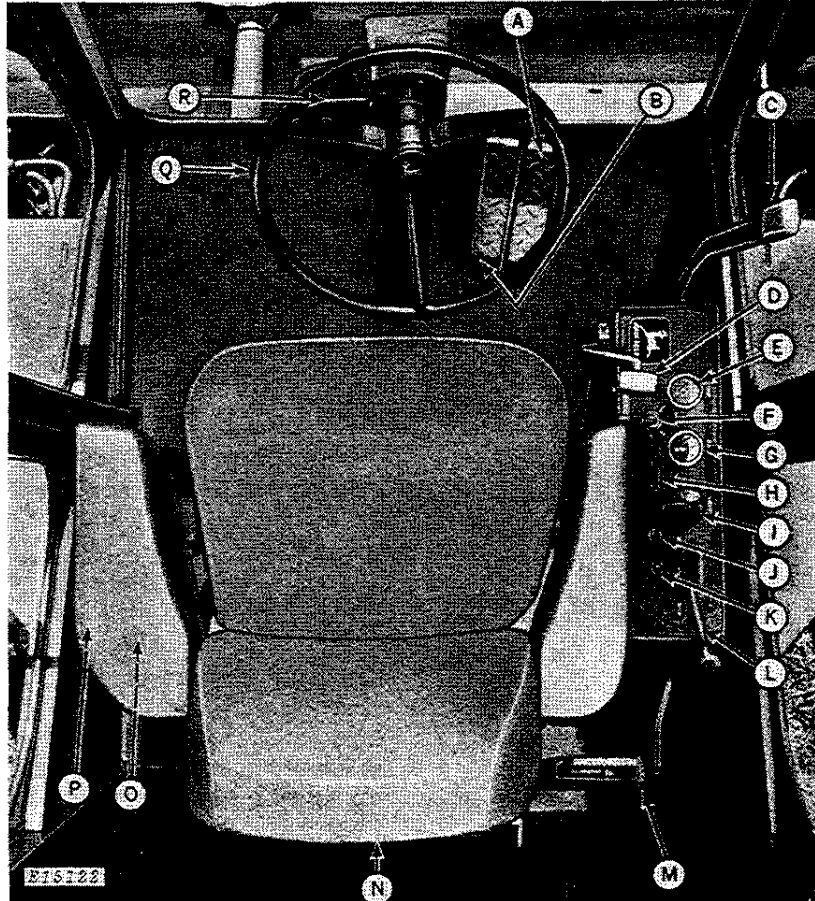
Always replace hydraulic cylinder lock to its storage location before attempting to operate platform.

- A—Quik-Lock Pin
- B—Pin
- C—Stop Pin
- D—Strap

You can make your farm a safer place to live and work if you observe the safety suggestions given. Study these suggestions carefully and insist that they be followed by those working with you and for you.



Operator's Station



- | | | |
|-----------------------------|-----------------------------|------------------------------|
| A—Platform Lift Pedal | G—Fuel Gauge | M—Weight Adjustment Lever |
| B—Platform Tilt Pedal | H—Hour Meter | N—Posture Seat |
| C—Platform Drive Lever | I—Lamp Switch | O—Speed Range Selector Lever |
| D—Master Control Lever | J—Alternator Indicator Lamp | P—Parking Brake Lever |
| E—Coolant Temperature Gauge | K—Engine Oil Pressure Lamp | Q—Steering Wheel |
| F—Ignition Switch | L—Throttle | R—Turn Signal |

Before attempting to operate your new hydrostatic-drive windrower, acquaint yourself with the location and function of all instruments and controls.

All controls are located on or within reach of the operator's platform. Refer to the illustration for the location and name of the various controls.

The control levers and knobs have different colors and shapes. These have been designed to help you locate the controls while operating windrower.

The following pages contain a description and purpose of the controls and instruments shown above.

PLATFORM LIFT PEDAL

The platform lift pedal (A) controls the platform height. To raise the platform, press on the bottom of the pedal. To lower the platform, press on the top of the pedal.

When the platform is not level, lower the right-hand side of the platform slightly below the left-hand side and press the bottom of the lift pedal and hold until both hydraulic lift cylinders are fully extended to synchronize them.

PLATFORM TILT PEDAL

The platform tilt pedal (B) changes the relative height of the platform ends by raising or lowering the right-hand platform lift arm. To raise the right-hand end of the platform, press on the bottom of the pedal. To lower the right-hand end, press the top of the platform tilt pedal.

PLATFORM DRIVE LEVER

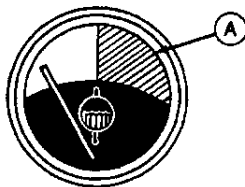
Pushing platform drive control lever (C) forward engages platform drive; pulling lever rearward disengages drive.

MASTER CONTROL LEVER

The master control lever (D) controls ground speed and brakes. Speed of the machine is increased as lever is moved forward. When lever is moved rearward, the speed is decreased and a braking action occurs. For reverse, move master control lever out and back.

⚠ CAUTION: The master control lever must be in the neutral position with steering wheel centered before starting engine.

COOLANT TEMPERATURE GAUGE



This gauge indicates the coolant temperature in the cooling system—not the quantity. Normal operating temperature is 180 to 219°F (82°C to 104°C) (indicated by white zone on the dial). If 219°F (104°C) or above (indicated by red zone on the dial), stop engine and determine the cause.

A—Red-Orange—Warning Zone

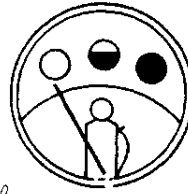
E13471

IGNITION SWITCH

Turn the key clockwise to turn on all circuits and the starter. Turn key counterclockwise to turn on accessory circuits only.

FUEL GAUGE

The fuel gauge (G) indicates the quantity of fuel in the fuel tank (capacity): 37 U.S. gallons (140 L).



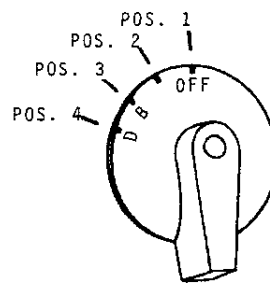
E13470

HOUR METER

This hour meter (H) records hours of operation at any engine speed.

LAMP SWITCH

Turn the switch (I) clockwise to the desired position to turn on the lights.

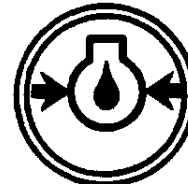


E9648

POSITION	WARNING LAMPS	HEAD LAMPS	TAIL LAMP	FLOOD LAMP
1	OFF	OFF	OFF	OFF
2	OFF	ON	OFF	ON
3	ON	ON	ON	OFF
4	ON	OFF	ON	OFF

ENGINE OIL PRESSURE LAMP

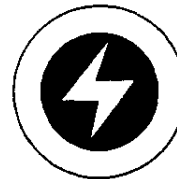
If indicator lamp glows when engine is running, stop engine immediately and determine cause. The light will glow even though engine isn't running if the switch is turned to "IGNITION".



E7713

ALTERNATOR INDICATOR LAMP

This lamp glows red when the alternator is not charging. If the lamp goes on while the engine is running, stop engine and determine cause. Operation of this lamp is checked by turning the key to the "IGNITION" position.



E13472

THROTTLE

To increase the speed of the engine, move the throttle (L) control lever forward. Move lever rearward to decrease engine speed. Put throttle lever in middle position before starting engine.

WEIGHT ADJUSTMENT LEVER

The weight adjustment lever (M) operates a ratchet assembly to provide a firmer or softer ride. Move the lever up and down to adjust for your weight. See page 12 for adjustment.

POSTURE SEAT

Your windrower (with cab) features a personal posture seat (N). It is adjustable in five different respects and is upholstered in durable cloth fabric for operator comfort. See page 11 for adjustments.

SPEED RANGE SELECTOR LEVER

The windrower has two speed ranges; transport and field operation. To select speed range, move selector lever (O) rearward for field operation or forward for transport as viewed from the operator's seat.



CAUTION: Never operate machine in the field in transport range.

PARKING BRAKE LEVER

To engage parking brake (P), pull lever rearward to operator's platform floor. To release, move lever to the forward position.



CAUTION: Never dismount from the windrower or leave the windrower parked without engaging parking brake lever.

STEERING WHEEL

Steering is accomplished by turning the steering wheel (Q) right or left. Turning the steering wheel to the right will make a right turn; turning the steering wheel to the left will make a left turn except when in reverse (see page 19).

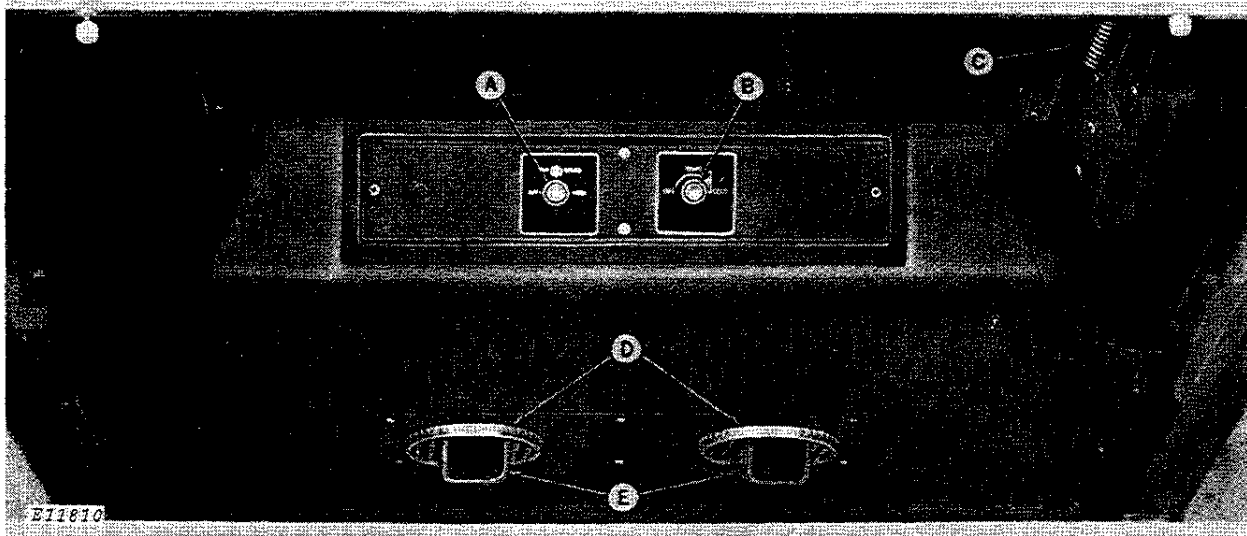
IMPORTANT: Turn steering wheel only when machine is in motion.

TURN SIGNALS

Turn signals (R) are provided to increase operator safety when transporting the windrower on roads or highways.

IMPORTANT: Warning lamps must be operating in order for turn signals to flash.

CAB CONTROLS



A—Pressurizer Fans Switch
B—Air Conditioner Temperature
Control Switch

C—Dome Light Switch
D—Louvered Air Outlet
E—Air Deflector

Pressurizer Fans Switch

This switch controls the fans which pressurize the cab. This is a three-speed switch with the highest speed obtained by turning the switch clockwise as far as it will go.

IMPORTANT: Pressurizer fans must be operating whenever the air conditioner is in use.

Louvered Air Outlets

The air outlets are adjustable, enabling the operator to control the flow of air into the cab. The outlets can be turned 360 degrees. The air outlets are equipped with air deflectors to further control air flow.

Air Conditioner Temperature Control Switch

The air conditioner temperature control switch is a thermostatic-type switch which will maintain the desired temperature.

Cool air in the cab is controlled by turning the air conditioner temperature control switch from the "OFF" position clockwise toward the "COLD" position. Turning the switch all the way to the "COLD" position will provide maximum cooling.

Dome Light Switch

Moving toggle-type switch to the right turns the dome light on; moving switch to the left turns the light off.

Continued on next page

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