

OPERATOR'S CAB FOR 880 HYDROSTATIC-DRIVE WINDROWER



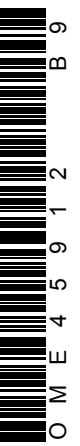
JOHN DEERE

OPERATORS MANUAL OPERATOR'S CAB FOR 880 HYDROSTATIC-DRIVE WINDROWER

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INTRODUCTION

This manual contains information necessary for proper operation, adjustment, and servicing of your operator's cab with air conditioner. When any questions arise regarding service and adjustments, use your manual to service your operator's cab and air conditioner the RIGHT WAY.

If you need additional information or special service on the operator's cab and air conditioner, see your John Deere dealer.

The warranty on this operator's cab appears on your copy of the purchase order which you

should have received from your dealer when you purchased the operator's cab.

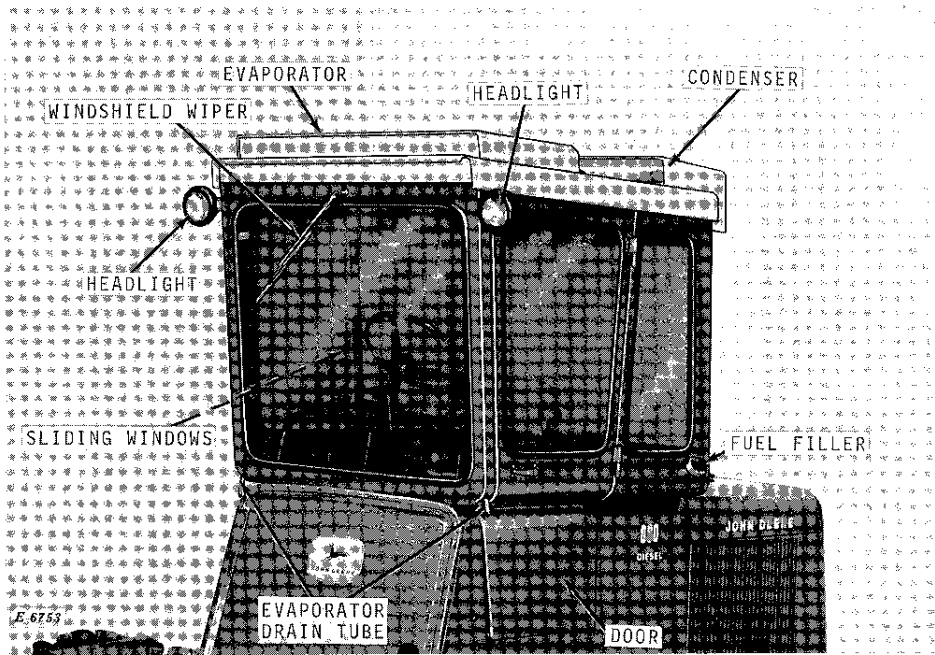
When in need of replacement parts, see your John Deere dealer.

When ordering parts, give your dealer the date you purchased the cab. This information will help him give you prompt and efficient service. Record the purchase date in the space provided below.

*Date of Purchase. 19.
(To be filled in by purchaser.)*

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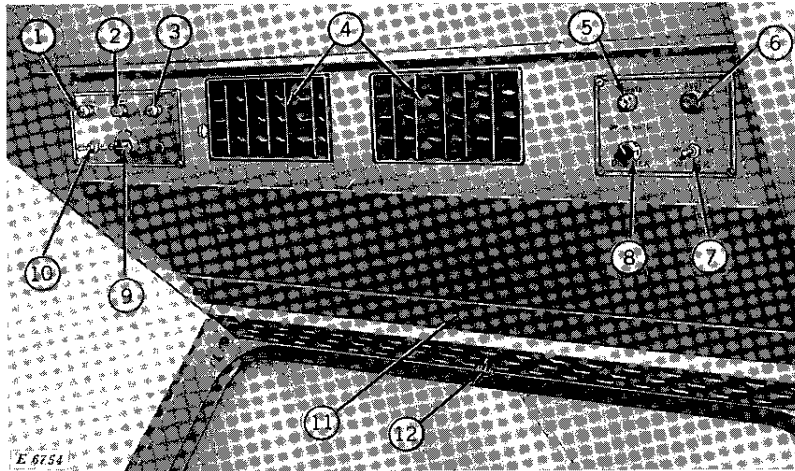
John Deere Operator's Cab on 880 Windrower

SPECIFICATIONS

Air conditioner capacity	18,000 BTU/hr.
Dome light	12-volt, 15 candle-power
Blower capacity (pressurizer)	300 cubic feet per minute
Filters	2 removable, reusable dry-type paper elements
Fuses:	
Main power supply	30 amp
Blower	20 amp
Windshield wiper	6 amp
Clutch	10 amp
Condenser motors	10 amp
Dome light	6 amp
Inside width (window-to-window)	42 in.
Inside height	59 in.
Inside length (window-to-window)	58 in.
Over-all cab height:	
11.2 - 24 tires	111 in.
18.4 - 16 tires	110 in.

(Specifications and design subject to change without notice.)

OPERATION



- | | |
|-----------------------------|-------------------------------|
| 1 - Condenser Fuse | 7 - Windshield Wiper Switch |
| 2 - Compressor Clutch Fuse | 8 - Blower Control |
| 3 - Dome Light Fuse | 9 - Temperature Control |
| 4 - Directional Air Louvers | 10 - Selector Switch |
| 5 - Blower Fuse | 11 - Filter Access Door |
| 6 - Windshield Wiper Fuse | 12 - Recirculating Air Damper |

Before using your new operator's cab with air conditioner acquaint yourself with the location and function of all controls.

Refer to the illustration for the location and name of the various controls.

PRESSURIZER SYSTEM

The pressurizer system has a three-speed circulating blower, directional air louvers, and recirculating air dampers that provide a clean, comfortable draft-free air flow. With the windows and door closed, the pressurizer system and air conditioner will be more efficient. The pressurizer system will operate independently of the air conditioner.

BLOWER

The variable speed pressurizer blower determines how fast the air will be circulated in the cab. Turn the blower speed control clockwise to first position for low speed, second position for medium speed, and third position for high speed. Turn the blower speed control counterclockwise as far as it will go to shut off blower.

DIRECTIONAL AIR LOUVERS

Directional air louvers control the directional distribution of the circulating air. With the pressurizer blower on, reposition the individual

directional air louvers until desired air flow is attained.

RECIRCULATING AIR DAMPER

The recirculating air damper controls the amount of fresh air drawn in and air that is recirculated.

With the damper slots wide open, the air in the cab will be recirculated. When the damper slots are completely closed, only fresh air will be used in the pressurizer system. The size of the slot openings determines the amount of fresh and recirculated air that is used in the pressurizer system. With the damper slots open, the effectiveness of the pressurizer will decrease and air conditioner cooling capacity will be increased.

When dust conditions are severe, close the slots to increase pressurizer effectiveness.

To adjust the damper slots, loosen knob and slide the damper horizontally to attain desired air mixture. Tighten knob to maintain adjustment.

AIR CONDITIONER

The air conditioner brings fresh air into the cab, cools, filters, and recirculates it. The air conditioner is protected from serious damage by several safety devices that will shut off the system when a malfunction occurs. The safety devices are electrical fuses, overheat thermostat, and refrigerant loss switch. If air conditioner fails to operate properly, see "Trouble Shooting" section, page 9.

To operate the air conditioner, move the selector switch to "air condition" and turn the pressurizer blower control and air conditioner temperature control to desired settings.

For maximum cooling, operate pressurizer blower at high speed with air conditioner temperature control at coldest setting and the recirculating air dampers open.

For intermediate cooling, set the temperature control to a warmer setting and pressurizer blower control to medium or low speed with the recirculating air dampers closed.

To shut off air conditioner, move selector switch to "heater-pressurizer" position.

IMPORTANT: Be sure pressurizer blower is on and operating whenever selector switch is set on "air condition". If pressurizer blower is not on, serious damage will result to air conditioning system. If blower fails to operate, immediately turn off air conditioner and see "Trouble Shooting" section.

SAFETY SUGGESTIONS

Only the operator should be allowed in the operator's cab when the windrower is in operation.

Never clean or adjust any part of the operator's cab with windrower ignition switch on.

Never operate the windrower in a closed building when servicing the air conditioner or at any other time.

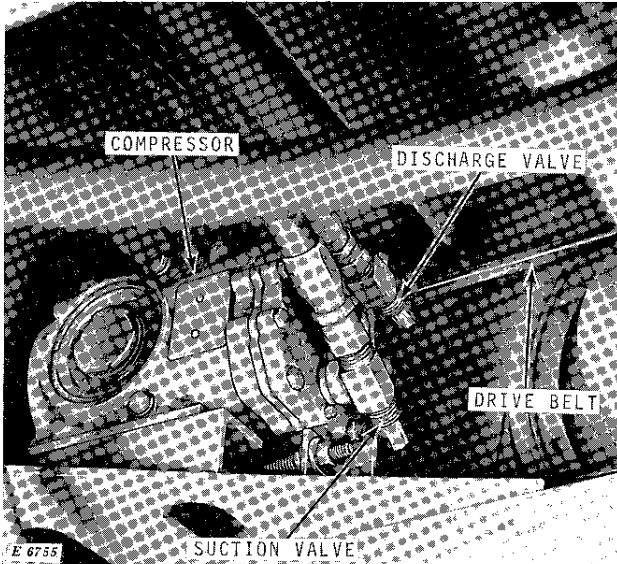
Be careful when operating on hillsides because windrower may tip sideways if it strikes a hole, ditch, or other irregularity.

Always remember, an accident is usually caused by someone's carelessness, neglect, or oversight.

4 Operation

STORAGE

Proper storage of the operator's cab will protect it and insure against loss of air conditioner refrigerant.



Remove air conditioner compressor drive belt. Remove the suction and discharge valve caps. Turn both valve stems clockwise until they are fully seated. Replace the valve caps.

Go over operator's cab thoroughly and tighten all bolts, inspect wiring, and refrigerant hoses for wear or field damage. Make necessary repairs to insure that the operator's cab will be ready for the next windrowing season.

IMPORTANT: Never operate windrower with the suction and discharge valves closed unless the compressor drive belt has been removed. Extensive compressor damage will result.

During storage, keep compressor shaft seal lubricated to protect against loss of refrigerant. Once a month, turn windrower ignition switch on. Turn selector switch to 'air condition' and rotate air conditioner temperature control to the right. This will energize the electric clutch on the compressor. Then, turn the compressor drive sheave by hand several revolutions. It may be necessary to open discharge and suction valves slightly to turn compressor.

NOTE: If windrower battery has been removed for storage, it will be necessary to temporarily install it. The compressor electric clutch will not engage without the battery.

Be sure to close valves and turn off the switches after turning compressor drive sheave.

PRE-SEASON SERVICE

Check pressurizer system filters and clean or replace if necessary. If the compressor discharge and suction valves were closed for storage, remove caps and rotate valve stems counterclockwise until stems are all the way out. Replace valve caps. Install and adjust tension of the compressor drive belt. See page 7.

IMPORTANT: Open the suction and discharge valves before installing drive belt and operating compressor, or extensive compressor damage will result.

Review your operator's manual.

SERVICE

LUBRICATING DOOR HINGES

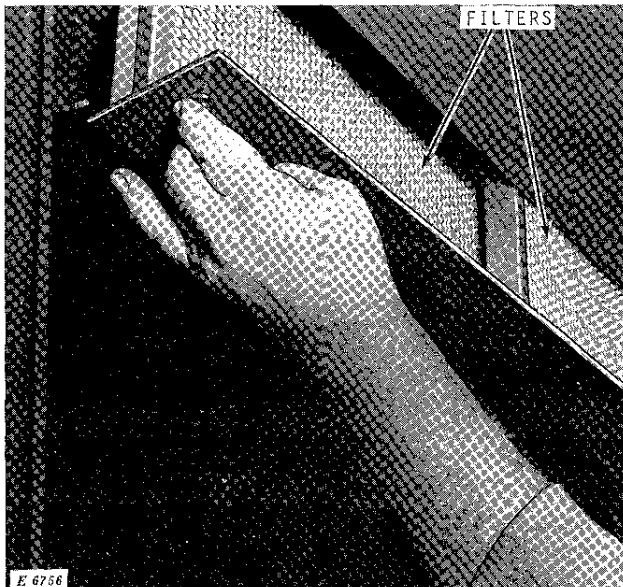
Clean door hinges and lubricate with powdered graphite periodically. Do not use oil; it will collect dirt.

CLEANING SLIDING WINDOW

Use compressed air to blow dust and chaff out of window track.

CLEANING PRESSURIZER FILTER ELEMENT

The pressurizer system has two reusable dry-type pleated filter elements. The filters must be serviced every 10 hours of operation or sooner if a reduction of air circulation is noted.



Remove filters by loosening two wing studs at the outside of the recirculating air damper, and remove the panel with the filters. Clean filters by using low pressure compressed air, by tapping gently on a flat surface, or by washing with soap and water and drying.

With compressed air, the air pressure must be less than 100 psi with a reasonable distance between the air nozzle and filter. Direct the clean air up and down the pleats, blowing from the inside (clean side) of the filter to the outside. Be careful not to rupture the filters with the air jet.

The filter elements can be cleaned by gently tapping the element on a flat surface with the dirty side down. Do not tap in a manner that may dent or rupture the filter.

When the above methods do not clean the filter satisfactorily, wash element in solution of lukewarm water (not over 100° F.) and a mild nonsudsing detergent. (R36757R John Deere Dry Filter Element Cleaner is recommended.) Rinse element thoroughly with clean water from hose having maximum water pressure of 40 psi. Shake excess water from element and allow it to dry approximately 24 hours at 70° F. Protect element from freezing until dry if cold weather is anticipated.

IMPORTANT: Never wash element in fuel oil, gasoline, or solvent. Do not oil the element. Compressed air will rupture a wet element.

After cleaning the element, inspect it for damage by placing a bright light under the filter. Discard any filter that shows the slightest rupture, indicated by light shining through the hole.

IMPORTANT: Replace filter element after six cleanings or one year of service, whichever occurs first. Do not operate pressurizer blower without element.

Wipe out the inside of the pressurizer compartment with a clean, damp cloth. Place panel with the filter elements in the pressurizer compartment, and tighten the two wing studs at the outside of each recirculating air damper. Be sure damper panel with filter elements is properly seated.

NOTE: It is a good practice to have a second set of filters to use while the filter elements are being serviced.

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