

JOHN DEERE 8430 AND 8630 TRACTORS



JOHN DEERE

OPERATORS MANUAL JOHN DEERE 8430 AND 8630 TRACTORS

OMR65222 I6 English

JOHN DEERE WATERLOO WORKS
OMR65222 I6

LITHO IN THE U.S.A. (REVISED)
ENGLISH





To the Purchaser

This new tractor was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need—whether it is operation, lubrication and periodic service, or trouble shooting. Check the Contents to learn where each section is located. Use the alphabetical index for fast reference.



Worldwide graphic symbols are used on the tractor to assist identification and operation. In this manual, an identical symbol is placed by the instructions like this example. The cylinder block in the symbol represents the engine, the drop signifies oil, and the arrows indicate pressure. Regardless of the language used in a nation, this symbol means engine oil pressure without translation.

Record your tractor serial numbers in the spaces provided on page 75. Your dealer needs this information to give you prompt, efficient service and parts. If your tractor requires replacement parts, go to your John Deere dealer where you can obtain genuine John Deere parts—accept no substitutes.

The warranty on this tractor appears on your copy of the purchase order which you should have received from your dealer when you purchased the tractor.

The references in this manual to the "right-hand" and the "left-hand" sides of the tractor are determined by facing in the direction of tractor forward travel.

This operator's manual contains SI Metric equivalents which follow immediately after the U.S. customary units of measure.

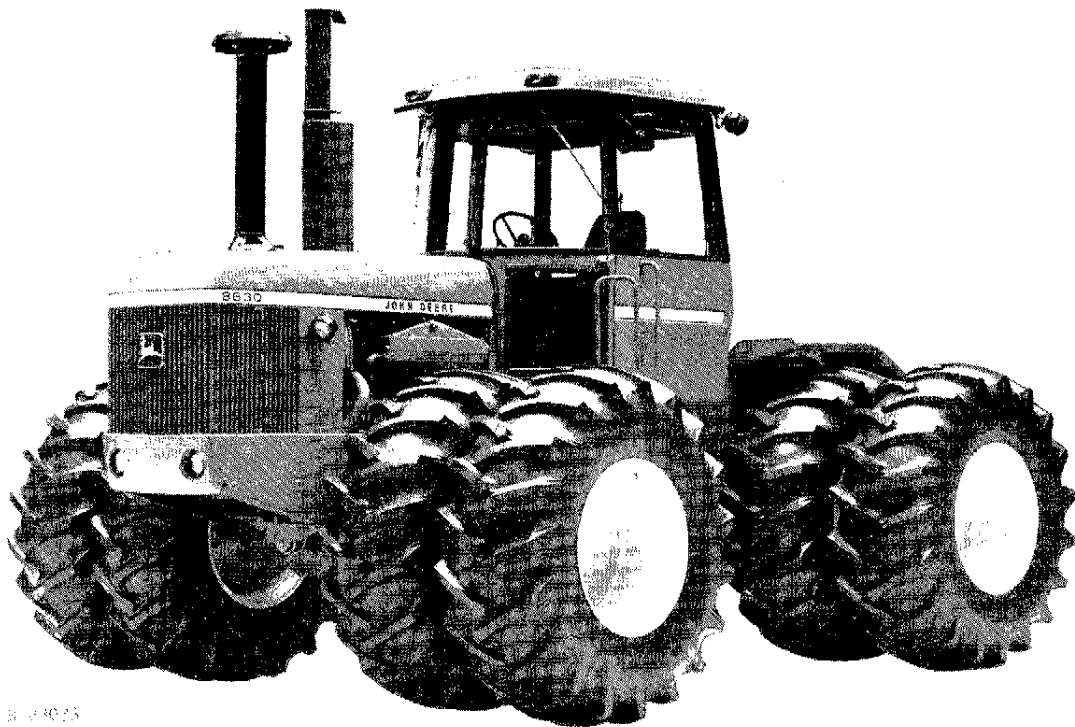


This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.



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8630



Safety Suggestions

! Most machinery accidents are caused by careless or improper use. Guards, shields, and other safety features are built into the tractor, but it still takes caution to prevent accidents.

Keep a first-aid kit and a fire extinguisher handy in case of emergencies. Know how to use them, and see that they are properly maintained.

Keep sleeves and other clothing snug-fitting. Loose clothing can easily catch in moving parts.

SOUND-GARD BODY

A protective Roll-Gard is built into the Sound-Gard Body.

You should use the seat belt under almost all operating conditions.

For an emergency exit, Sound-Gard Body windows can be opened. Remove the quik-lock pins and headed pins from window latches, and push window open wide.

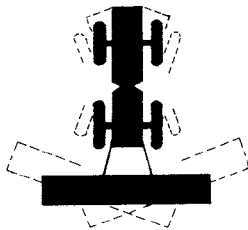
Sound-Gard Body air filters are not designed to filter out harmful chemicals. When using agricultural chemicals, follow the instructions given in the implement operator's manual and those given by the chemical manufacturer.

OPERATION

Never attempt to start or operate the tractor except from the operator's station.

Never allow riders on the tractor.

To avoid exhaust gas hazards, never run the engine in a closed building.



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Be sure everyone is clear of tractor and attached equipment before starting engine or moving steering wheel, because tractor and equipment move as pictured. Slight steering movement may occur as the engine starts.

Install lock bars on tractor hinge before operating stationary PTO equipment, performing service work near center of tractor, lifting tractor, or transporting on another vehicle.

Be sure lock bars are removed from hinge area before operating tractor.

Use extreme caution when hitching drawn implements to the drawbar. Steering action causes tractor movement even when tractor is in "PARK". First, back the tractor past the clevis, then move forward when making the connection. In this way the tractor will be moving away from the implement.

For hillside operation, use only double wheels, front and rear.

Before descending a steep hill, shift to a low gear to control the tractor with little or no braking. Never coast downhill.

Avoid holes, ditches, etc. which may cause the tractor to tip, especially on hillsides.

Avoid extreme uphill turns.

Never drive near the edge of a gully or steep embankment—it might cave in.

Slow down for hillsides, rough ground, and sharp turns.

A towed load of more than 40,000 lbs. (18 000 kg) should have brakes. If it does not, drive slowly and avoid hills. Avoid hard applications of the brakes when pulling heavy loads.

Hitch heavy towed loads only to the drawbar. When using a chain, take up the slack slowly.

Before dismounting, place the transmission in park, lower implements to the ground, and stop the engine.

Never try to get on or off a moving tractor.

POWER TAKE-OFF

Stop the engine and be sure the PTO has stopped before:

- Connecting or disconnecting a PTO shaft
- Making any adjustment to PTO drive train or hitch
- Cleaning out PTO driven equipment.

PTO master shield should be in place at all times except when connecting a PTO drive line or for special applications as directed in the operator's manual.

The PTO shaft guard should be in place when the PTO is not being used.

LIGHTS

When operating the tractor on a road, turn the light switch to the "H" position. This turns on headlights, taillights, and warning lights. Be sure the SMV emblem is visible and clean.

If flashing lights are prohibited by local regulations, be sure the flasher for warning lamps is disconnected.

See your John Deere dealer if additional safety devices are needed for towed or mounted equipment.

Always dim the headlights before meeting another vehicle. Keep the lights adjusted so they will not blind another driver.

SERVICING

Do not service the tractor or implement while it is in motion or while the engine is running unless specifically recommended.

Keep all equipment properly serviced to prevent safety hazards. Keep all bolts tight, and replace worn or damaged parts.

Do not remove the radiator cap when the engine is hot. Shut the engine off and wait until it cools. Then turn the cap to the first stop to relieve pressure before removing it completely.

Be careful with starting fluid or any type of fuel. Do not refuel the tractor when the engine is hot or running. Never smoke while handling fuel or servicing the fuel system.

Disconnect the battery ground cable before working on the electrical system or working in any area where you might accidentally contact electrical components. This minimizes the risk of sparks, burns, accidental starter operation, or damage to the system.

Before using booster batteries, read the instructions on page 8. Before connecting or disconnecting a battery charger, turn the charger off to avoid sparks.

HYDRAULICS

Hydraulic oil or diesel fuel escaping under pressure can penetrate the skin, causing serious injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure, be sure all connections are tight and all components are in good condition.

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.

Before disconnecting the brake accumulator or brake valve, relieve all pressure in the accumulator. With the engine stopped, pump the brake pedals at least 50 strokes.

The accumulator is charged with dry nitrogen at a pressure of 35 bar (500 psi). If it needs to be recharged, have the job done only by a qualified serviceman and only with dry nitrogen.

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