

780 Air Drill



OPERATORS MANUAL

780
Air Drill

OMN200068 Issue K4 English

John Deere Des Moines Works
OMN200068 Issue K4

LITHO IN U.S.A.
ENGLISH



Introduction

The warranty on this machine 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.

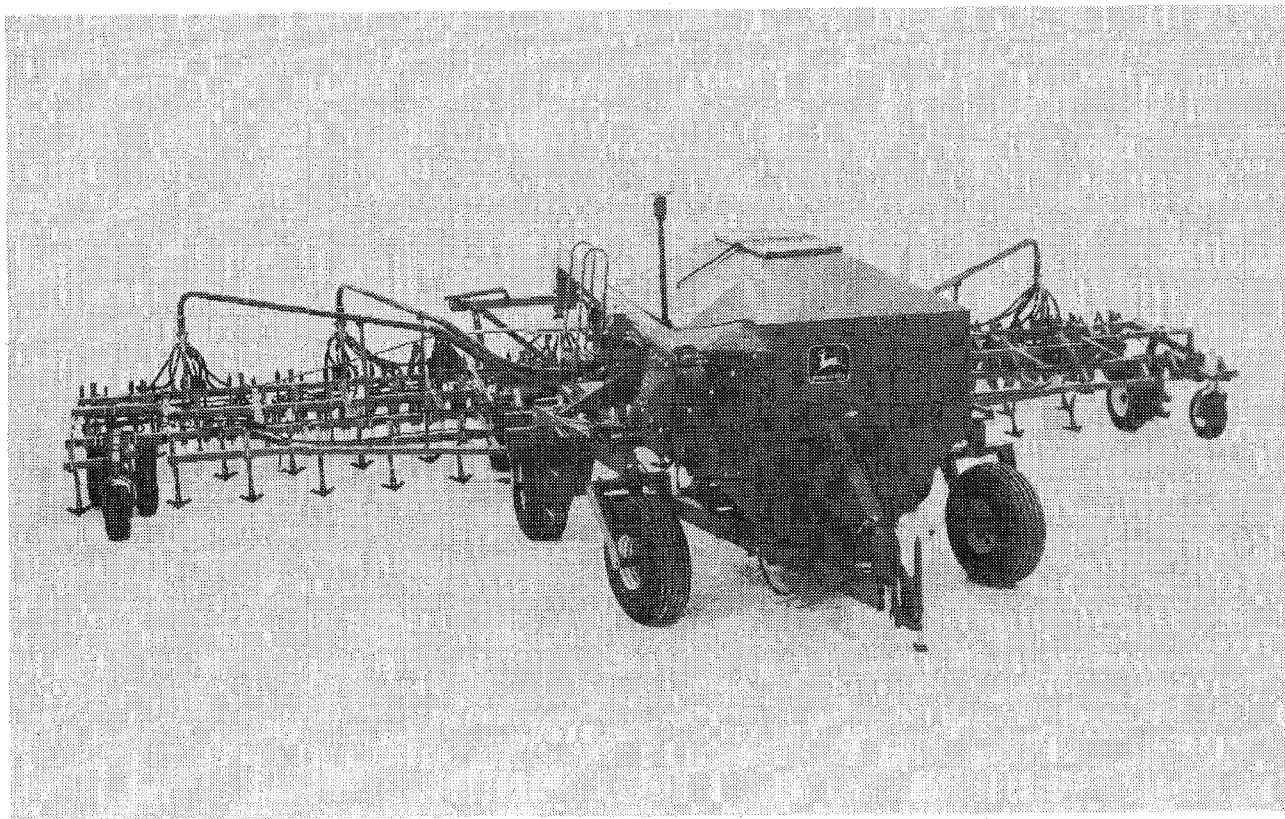


This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

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

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

Record your model and serial number in Specifications section.



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Safety

READ OPERATOR'S MANUAL

DO NOT operate machine without reading this operator's manual.



7A6;N35538 N01;7440 SAA 111182

OPERATE SAFELY

DO NOT operate drill with more than one person on the tractor.

DO NOT allow anyone to ride on the drawbar of the tractor, tank, or frame.

DO NOT operate close to a ditch or creek.

Slow down when turning.

Drive slowly over rough ground.

Shift the tractor into a lower gear when operating on steep slopes.

DO NOT enter tank unless another person is present.

Always shut off tractor engine and shift to "Park" when leaving tractor. Remove key when leaving tractor unattended.

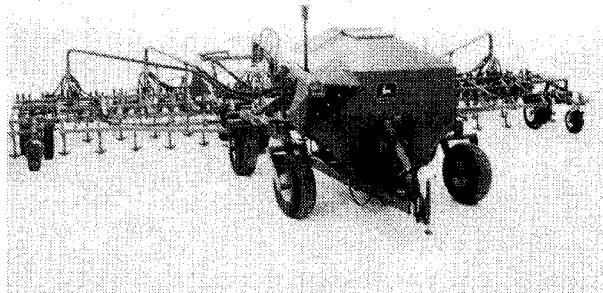
Always have drill stationary and on level ground when raising or lowering outriggers.

DO NOT raise or lower outriggers when moving.

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

When outriggers are raised and lock-up pins are not in transport position, never allow anyone where a falling outrigger could strike them.

Be sure drill is lowered to the ground or rear parking stands are pinned in support position before detaching seed tank from cultivator frame.



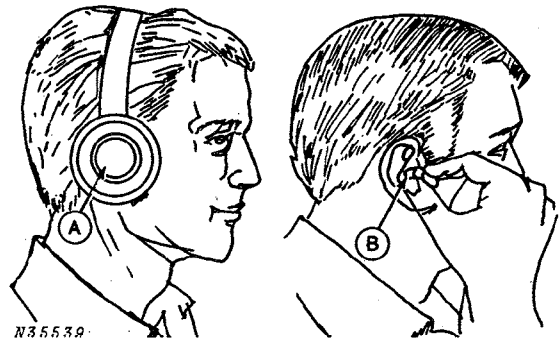
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N18;05 01 160584

PROTECT AGAINST NOISE

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

Wear a suitable hearing protective device such as earmuffs (A) or earplugs (B) to protect against objectionable or uncomfortable loud noises.



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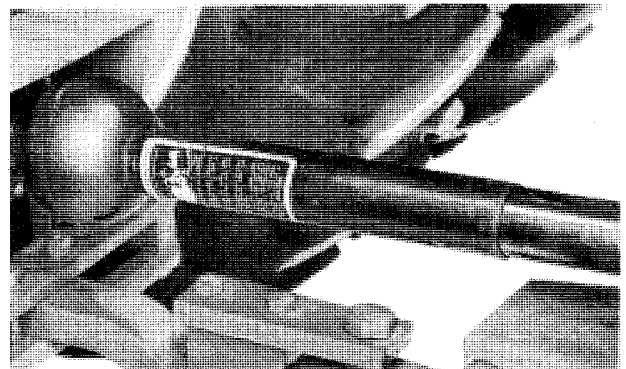
STAY CLEAR OF DRIVELINE

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

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

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

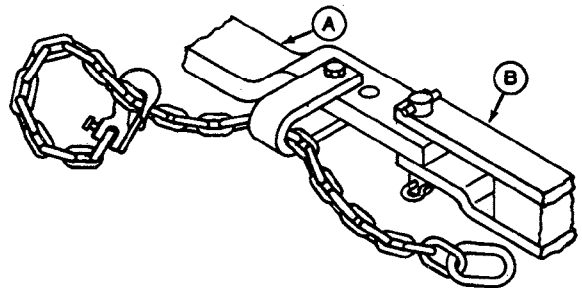
The PTO shaft guard should be in place when the PTO is not being used.



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USE A SAFETY CHAIN

A safety chain will help control drawn equipment (B) should it accidentally separate from the drawbar (A) while transporting. Using the appropriate adapter parts, attach the chain to the tractor drawbar support or other specified anchor location. Provide only enough slack in the chain to permit turning. See your John Deere dealer for a chain with a strength rating greater than the gross weight of the towed machine.



AB6;TS163 053;SA A 120284

HANDLE PESTICIDES AND FERTILIZERS CAREFULLY

Keep dust away from skin and hair.

Keep containers low when pouring.

Let the wind blow fumes away from you when mixing with seed or when filling tank.

Wear a filtered respirator if you cannot avoid dust.

Wear goggles to protect your eyes.

Wash exposed skin areas frequently — do not leave pesticide on your skin.

Do not smoke while handling pesticides.

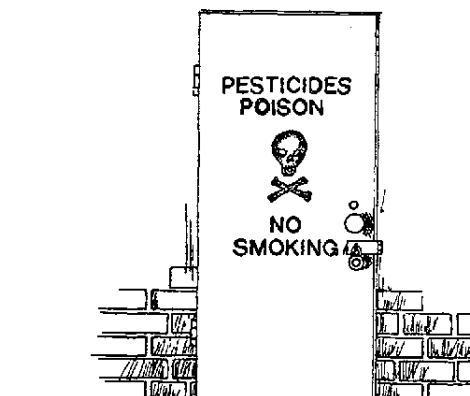
Properly dispose of pesticide container, unused pesticide and left-over treated seed and fertilizer.

Read and observe manufacturers recommendations.



Store pesticides in a separate, plainly marked LOCKED building.

Store pesticides in original containers with labels intact.



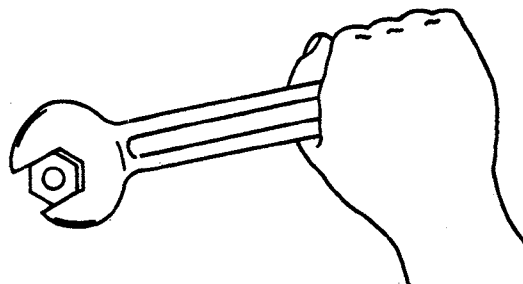
PRACTICE SAFE MAINTENANCE

Always use a safety support when working on, under, or around the machine or tank.

Shut off tractor engine and remove key when working on machine or tank.

Use proper safeguards when necessary to enter tank which has contained treated seed.

Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

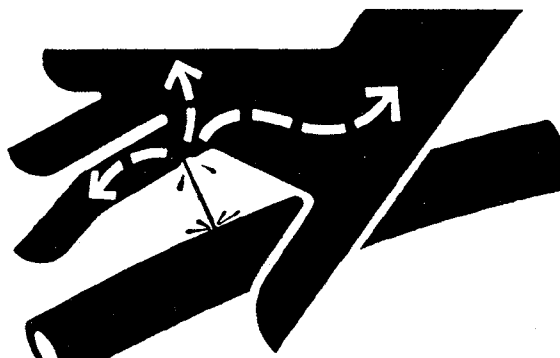


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AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard or paper to search for leaks. Do not use your hand.

If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type of injury or gangrene may result.



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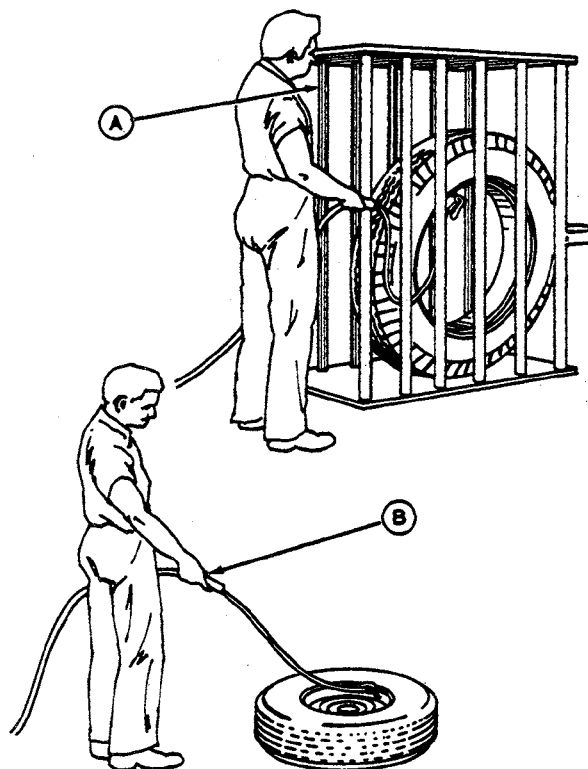
SERVICE TIRES SAFELY

Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your John Deere dealer or a qualified tire repair service.

When sealing tire beads on rims, never exceed 35 psi (241 kPa) (2.4 bar) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended pressure is reached, deflate, reposition tire, relubricate bead and reinflate.

Detailed tire mounting instructions, including necessary safety precautions, are contained in John Deere Fundamentals of Service (FOS) Manual 55, Tires and Tracks, available through your John Deere dealer. Such information is also available from the Rubber Manufacturers Association and from tire manufacturers.

- A—Use a Safety Cage if Available.
- B—Do Not Stand Over Tire. Use a Clip-on Chuck and Extension Hose.



AB6/TS0123 053/TSAFT A 091283

TRANSPORT SAFELY

Use of flashing warning lights and turn signals is recommended when towing this equipment on public roads unless prohibited by state or local regulations. An implement safety lighting kit is available from your John Deere dealer.

Beware of overhead wires and **KNOW** the transport height and width of your machine.

Always install outrigger lockup pins and depth control cylinder stops.

Do not exceed 10 mph (16 km/h).

Latch the tractor brakes together.

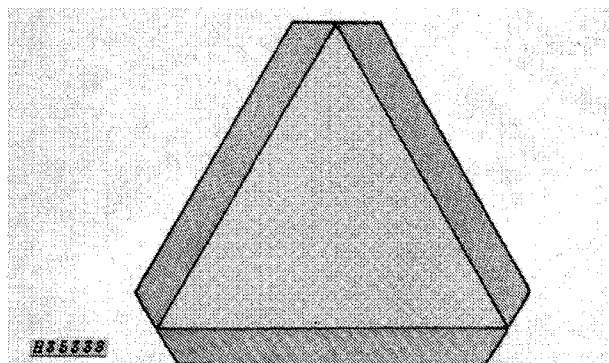
Shift the tractor into a lower gear when transporting down steep slopes or hills.

Keep the SMV emblem and reflectors clean and visible from the rear.

Stop slowly.

Set caster wheel brakes.

Lock rear caster wheels before transporting tank without tillage frame.



8A6;H35338 N04;;780C B 010584

IDENTIFY SIGNAL WORDS IN THIS MANUAL

“CAUTIONS” are presented in bold type, and indicate there is a possibility of injury to you or other people.

“IMPORTANTS” are also presented in bold type, and indicate there is a possibility of damage to the machine.

“NOTES” are separated from the text in italics. They provide additional information that is an exception to a previous statement or is not directly related to the original subject.

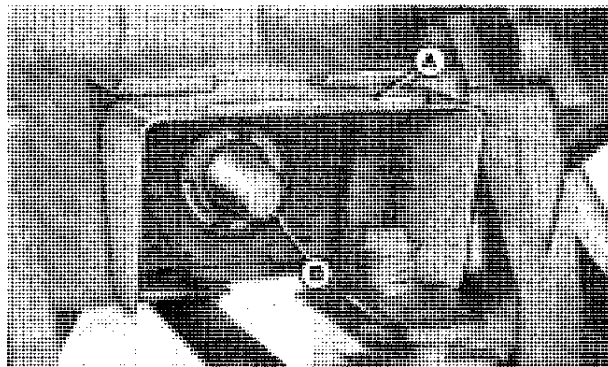
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Preparing the Tractor

USING MASTER SHIELD AND PTO SHAFT GUARD



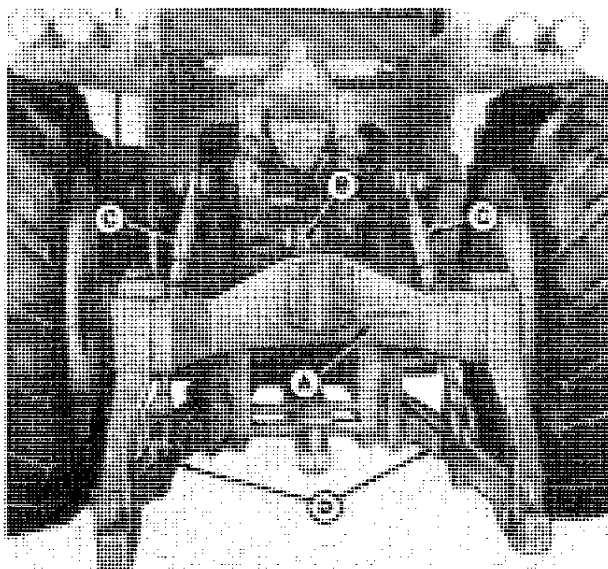
CAUTION: Tractor master shield (A) should be in place at all times except for special applications as directed in operator's manual. The PTO shaft guard (B) should be in place when the PTO is not being used.



8A6;RW5854 N04;655V A 050484

REMOVING QUICK-COUPLER ASSEMBLY

Remove tractor quick-coupler (A); center link (B), lift links (C), and draft links (D).

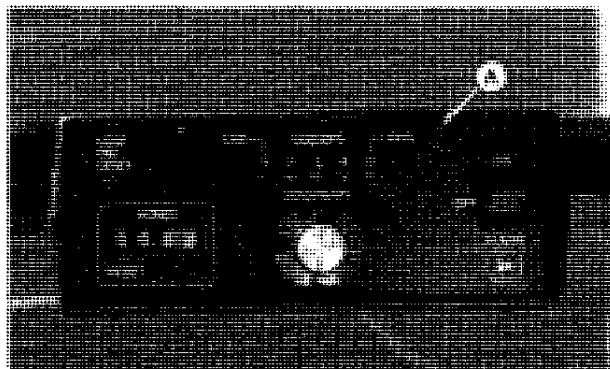


A—Quick-Coupler
B—Center Link
C—Lift Links
D—Draft Links

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INSTALLING MONITOR CONTROL UNIT

Be sure monitor control unit (A) (if equipped) is properly installed on tractor. (See Assembly section.)



8A6;N80242 K3 N04;770V A 050484

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