

251 POWR-TILL™ SEEDER



OPERATORS MANUAL 251 POWR-TILL™ SEEDER

OMN200002 K0 English

**DES MOINES WORKS
OMN200002 K0**

LITHO IN THE U.S.A.
ENGLISH



INTRODUCTION



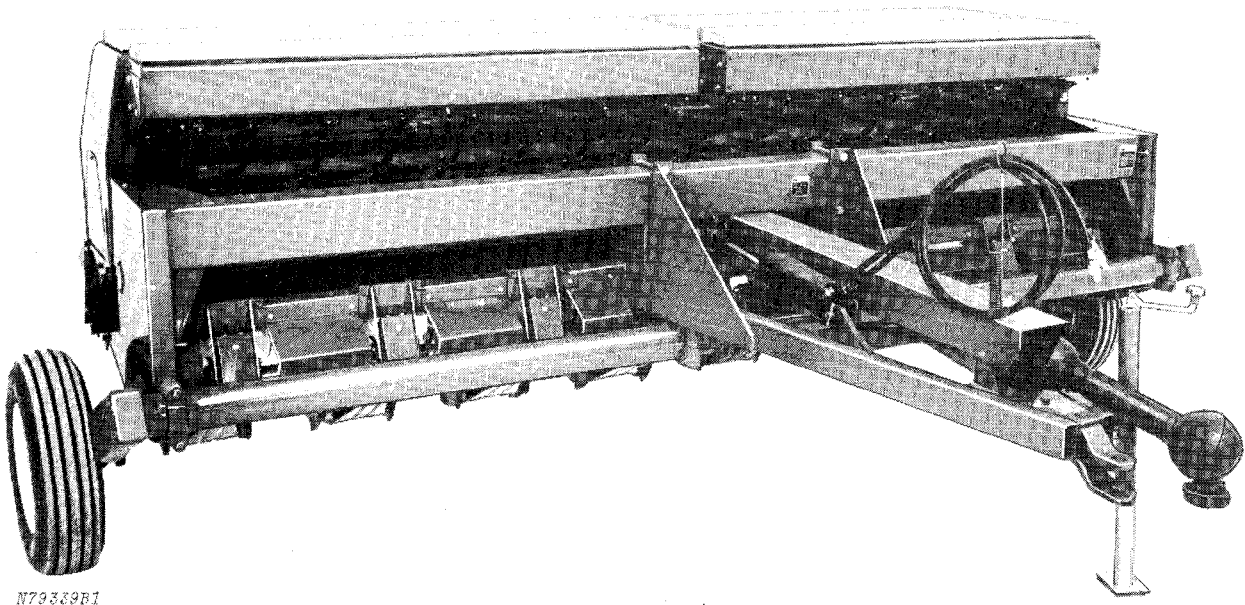
This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

This operator's manual contains both the US customary units of measurement and the SI Metric equivalents.

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

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

Record your model and serial number in the spaces provided on page 59.



N79389B1

251 Powr-Till® Seeder

251 POWR-TILLTM SEEDER

PREDELIVERY CHECK LIST

All grease fittings have been lubricated and gear housings packed with grease. See pages 26 through 29.

Tires have been properly inflated. See page 6.

All shields are in place and in good condition. The rotating shields on the PTO shaft rotate freely.

Tractor has adequate horsepower and is prepared properly. See pages 5, 58.

With tractor PTO at rated speed, run seeder for several minutes and check operating functions.

To the best of my knowledge, this seeder has been checked and is ready for delivery to the customer.

Signature

Date

DELIVERY CHECK LIST

Give the operator's manual to the customer and review all operating instructions and safety precautions.

Explain the importance of keeping all shields in good condition and in place, and keeping PTO shaft shields rotating freely.

When the seeder is transported on the road, day or night, warning lights and devices must be used for adequate warning to operators of other vehicles. Advise the customer to check local governmental regulations concerning road transport of farm machinery.

Advise the customer that the life expectancy of this or any other machine is dependent on the maintenance and care as described in the operator's manual.

To the best of my knowledge, this seeder has been delivered ready for field use and the customer has been fully informed as to the proper care and operation of same.

Signature

Date

AFTER-SALE CHECK LIST

Check with the customer as to the performance of the seeder. Make certain the proper operating adjustments have been made.

If possible, operate the seeder to see that it is functioning properly.

Go over entire seeder for loose or missing bolts.

Check for broken or damaged parts.

Check to see that all safety shields are in place.

Ask the customer if the recommended periodic lubrication has been performed.

Review the operator's manual with the customer and stress the importance of proper lubrication and safety precautions.

Signature

Date

OWNER REGISTER

Name _____

R. R. No. _____

City or Town _____

State _____ Zip _____

Seeder Serial No. _____

Date Purchased _____

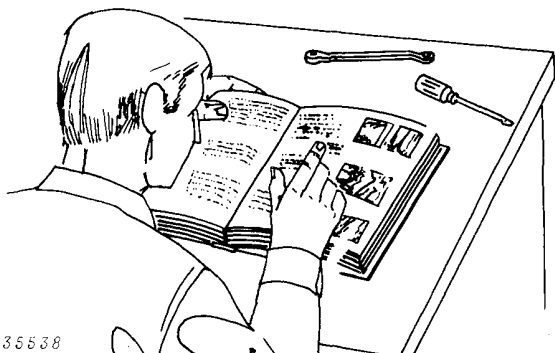


Contents

	Page
Safety	2-4
Preparing Tractor	5
Preparing Seeder	6
Attaching and Detaching	7-8
Transporting	9
Operating Seeder	10-25
Field Preparations	10-12
Acrometer	13
Seeding Rates — Grain and Large Seeds	13-14
Seed Chart	14
Seeding Rates — Grass Seed	15-16
Seed Chart	16
Feedcup Setting	17
Checking Quantities Planted	18
Field Operation	19-20
Depth Adjustments	20
Drive Chain Adjustments	21-23
Down-Pressure Springs	23
Slip Clutches	24
Bearing Retainer Bolts	24
Firming Wheel Attachment	25
Grain Agitator Attachment	25
Lubrication and Maintenance	26-29
Trouble Shooting	30-32
Service	33-39
Storage	40-41
Assembly	42-57
Seeder	42-48
Firming Wheel Attachment	49
Grain Agitator Attachment	50-53
Grass Seed Box Attachment	54-57
Specifications	58-59
Serial Number	59



Safety



Operate Safely

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

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

DO NOT allow anyone to ride on tractor drawbar or seeder.

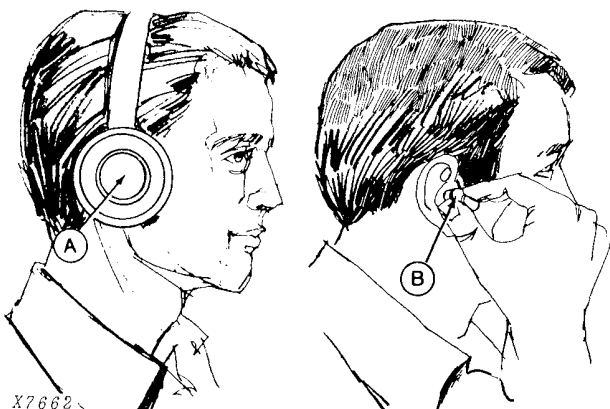
DO NOT operate close to a ditch or creek.

DO NOT stand behind seeder when cutter wheels are turning, in or out of ground. Slow down when turning or on rough terrain and shift tractor into lower gear when operating on steep slopes or hills.

If tractor is equipped with Roll-Gard Safety Cab with seat belts, fasten seat belts.

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

Apply both tractor brakes evenly when making emergency stops. Plan ahead and stop slowly.



Protect Against Noise

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

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

A - Ear Muffs
B - Ear Plugs

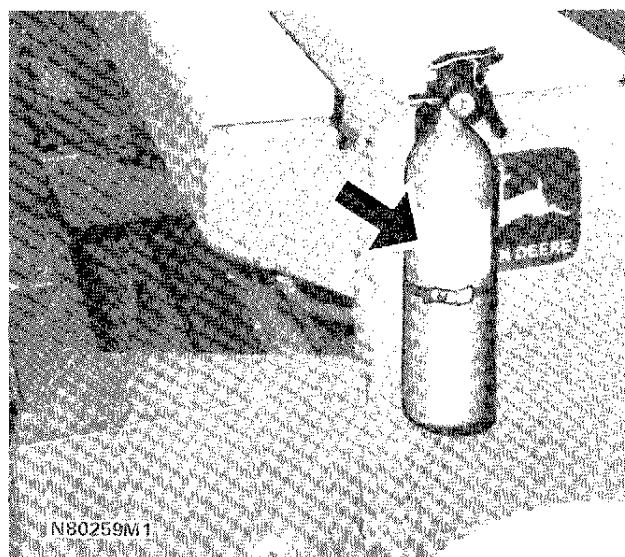
Avoid Fires

DO NOT operate seeder without a fire extinguisher nearby. Fire extinguisher and mounting brackets (bold arrow) are available. Order AT62018 and AT62019 from your John Deere dealer.

DO NOT refuel tractor with engine running.

DO NOT smoke or use a lantern when refueling tractor.

Be careful when using diesel fuel as a cleaning agent. Use only in a well-ventilated area away from any sparks or flames.



Transport Safely

DO NOT transport seeder at speeds greater than 10 mph (16 km/h).

KNOW the width of your seeder.

Raise seeder and slide transport lock pin (A) through rockshaft arms (B); then lock in transport position with spring locking pin (C). Leave cylinder in extended position, if attached.

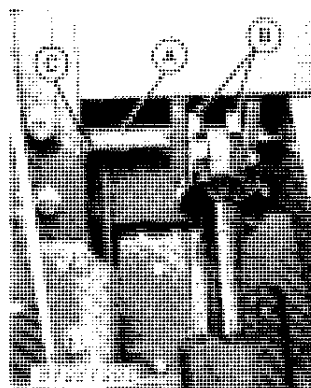
Anytime seeder is transported on a truck or trailer, use only frame and rockshaft to tie it down. DO NOT use horizontal line shaft as a tie down or lifting point.

Reduce speed when transporting over rough ground or down steep slopes. Stop slowly.

Jack assembly must be in transport position.

Reflectors and SMV must be visible from the rear.

When towing seeder 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.



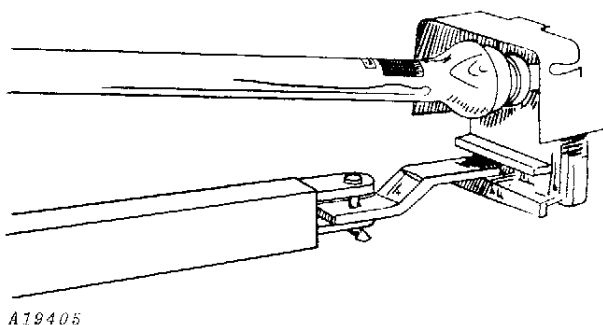
A - Transport Lock Pin
B - Rockshaft Arms
C - Spring Locking Pin

Practice Safe Maintenance

Secure machine in raised position with locking pin when adjusting or performing maintenance. Jack assembly must be in the storage position. Cylinder must be extended if attached. Block the wheels so seeder remains stationary.

Continued on next page.

4 Safety



Safe PTO Procedure

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

- Connecting or disconnecting at 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.

Replace any shields or flaps removed for servicing.

Mounting Tires

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.

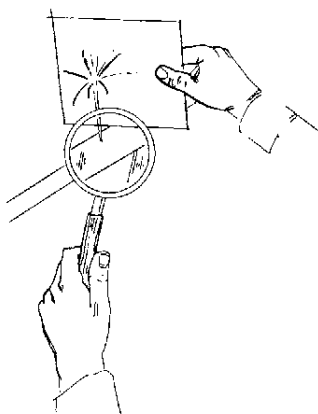
When seating tire beads on rims, never exceed 35 psi (241 kPa) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended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

Detailed agricultural 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.

Hydraulic Fluid

Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious injury. Before disconnecting lines, be sure to relieve pressure. Before applying pressure be sure all connections are tight and that lines, pipe, and hoses are not damaged. Use a piece of cardboard or wood, rather than hands, to search for 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.





Preparing The Tractor

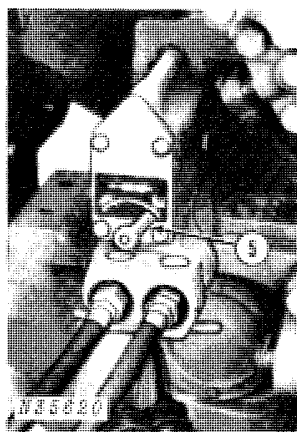
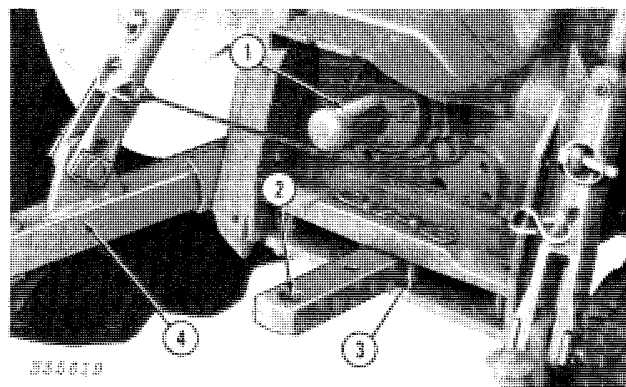
IMPORTANT: The seeder is equipped with 1000 rpm PTO drive only. Tractor must be a minimum of 90 hp (67 Kw) and must have one hydraulic cylinder outlet.

1. Remove PTO guard and store it on the guard retainer.



CAUTION: Always install PTO guard over PTO shaft when PTO is not in use.

2. Position drawbar 16-inches (406 mm) from end of PTO shaft to center of hitch pin hole in drawbar.
3. Lock drawbar in the center with locking pins and Quik-Tatch pins.
4. Lift links must be raised and secured or removed.
5. Turn tractor metering valve clockwise to "Fast" or "Rabbit" position.



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