

8000 SERIES GRAIN DRILLS



OPERATORS MANUAL

8000 SERIES
GRAIN DRILLS

OMN159501 A9 English

JOHN DEERE DES MOINES WORKS
OMN159501 A9

LITHO IN THE U.S.A.
ENGLISH





To The Operator



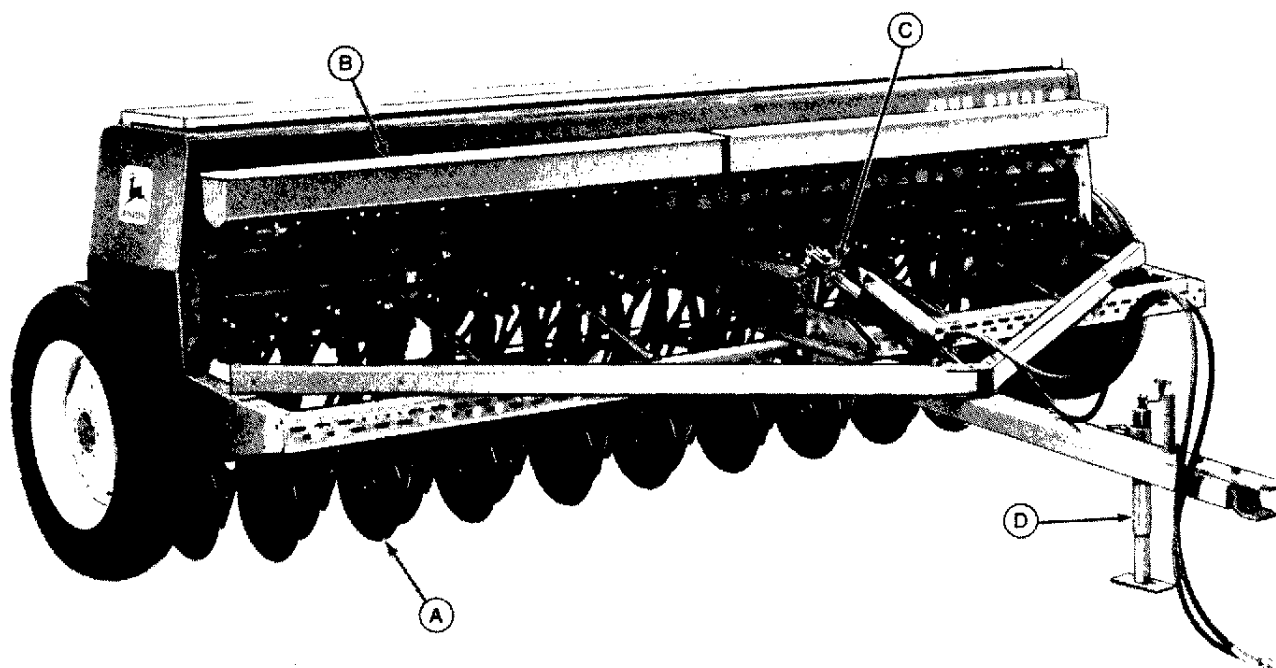
This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

"Right-hand" and "left-hand" sides are determined by facing in the direction the drill will travel when in use.

Record your model and serial numbers on page 64.

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

Measurements are shown with their respective Metric equivalents in parentheses throughout this operator's manual. These equivalents are the SI (International System) Units of Measure.



U32513

A—Double Disk Openers

B—Grass Seed Attachment

C—Hydraulic Lift

D—Hitch Jack

John Deere 8250, 12-Foot (3.7 m) Grain Drill with Grass Seed Attachment



Contents

SAFETY	2-3
PREPARING FOR USE	4-6
Preparing Tractor	4
Preparing Drill	5
Attaching Drill to Tractor	6
Detaching Drill From Tractor	6
TRANSPORTING	7-8
Hauling Drill on a Trailer	7
Towing Drill	8
FIELD OPERATION AND ADJUSTMENTS	9-41
Spill Shields	9
Optional Hand Lift Lever	10
Single-Disk Opener	11-12
Double-Disk Opener	13
Gage-O-Matic Opener	14
Hoe Opener	14
TRU-VEE™ Opener Attachment	15
Down Pressure	16
Drawbar	17
Seeding With Fluted-Feed Drills	18-22
Seeding Charts	20-22
Seeding With Double-Run Drills	23-29
Seeding Charts	25-29
Fertilizer System	30-32
Fertilizer Charts	31
Seeding With Grass Seed Attachment	33-36
Seeding Charts	34-36
Checking Quantities Drilled	37-38
Drilling Row Crops	39
Preparing Drill For Storage	40
Removing Drill From Storage	41
LUBRICATION	42-43
SERVICE	44-51
TROUBLE SHOOTING	52-55
ATTACHMENTS	56-60
SPECIFICATIONS	61-63
Serial Number	64



SAFETY

Operate Safely

DO NOT operate grain drill without reading this operator's manual.

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

DO NOT allow anyone to ride on the drawbar of the tractor, or on the grain drill.

DO NOT operate close to a ditch or creek.

Slow down when turning.

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

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

When you are exposed to noise which is objectionable or uncomfortable, it is recommended that you wear a suitable hearing protective device.

Drive slowly over rough ground.

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

If your tractor is equipped with a Roll-Gard Safety Canopy and seat belt be sure to keep your seat belt fastened when operating or transporting the grain drill.



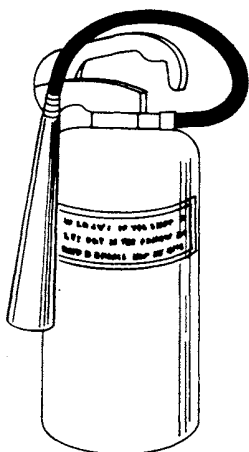
N32922

Avoid Fires

DO NOT refuel with the tractor engine running.

DO NOT smoke or use a lantern when refueling.

There are several references in this manual to the use of diesel fuel as a cleaning agent. Be careful when cleaning with this fuel so that it does not ignite. Use only in a well ventilated area and away from any sparks or flames.



N32054

Transport Safely

Always raise the openers and secure the lift mechanism. If hydraulic lift, install locking pin (bold arrow).

Always raise the jack stand before transporting.

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

DO NOT transport unless the grain drill reflectors and tractor SMV emblem are easily visible from the rear.

When towing the grain drill 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.

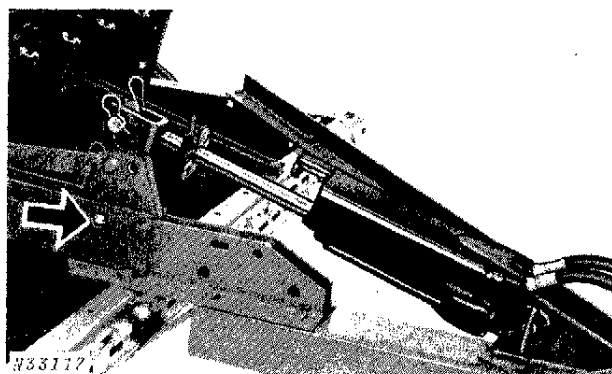
Stop slowly.

Practice Safe Maintenance

Always lower openers before working on or under them, unless specifically told to do otherwise.

Replace any guards or shields removed for servicing.

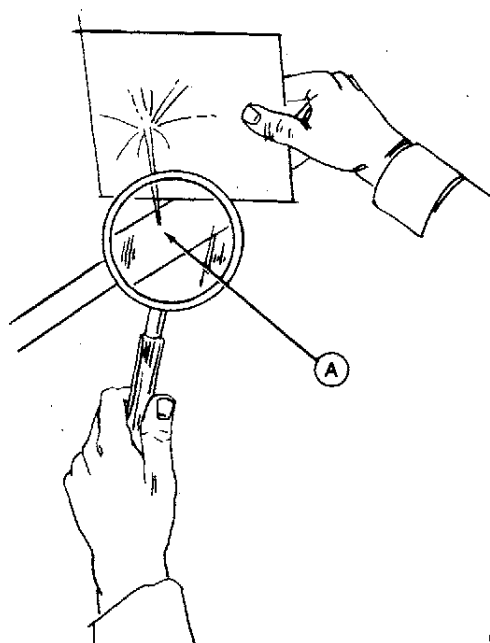
Block the wheels so the drill remains stationary.



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.



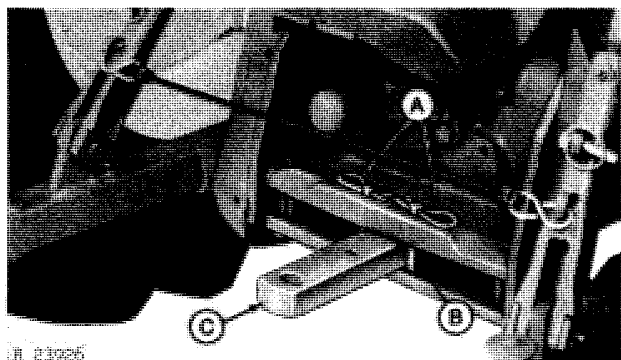
A—Pin Hole Leak

G10317



Preparing For Use

PREPARING TRACTOR

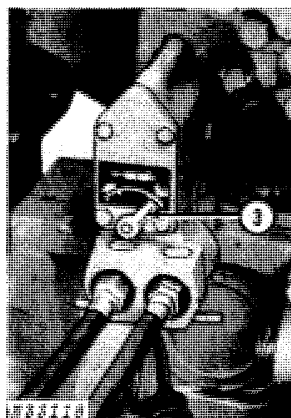


1. Lock the drawbar in the center with locking pins (B) and Quik-Tatch pins (A).
2. Secure or remove the lift links.



CAUTION: Make sure the master shield and PTO guard are installed.

A—Quik-Tatch Pins
B—Locking Pin
C—Drawbar



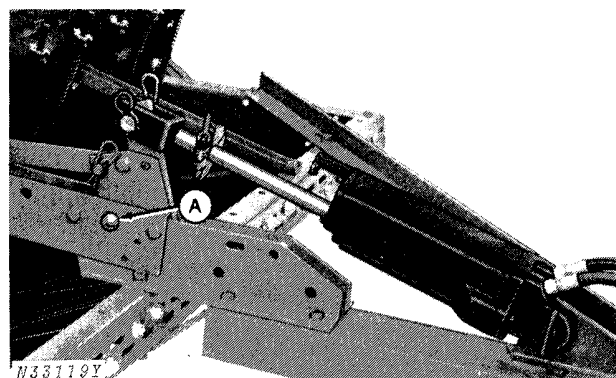
3. If drill is equipped with hydraulic lift, turn the tractor metering valve clockwise to the "Fast" position.

PREPARING DRILL

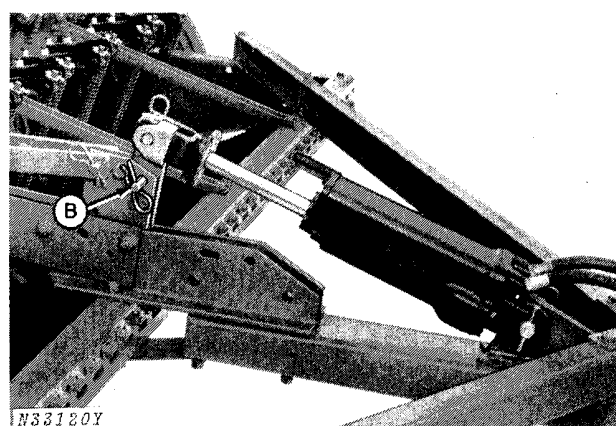
1. If equipped with hydraulic lift, install the hydraulic cylinder as shown, positioning the lock pin in either the transport position (A) OR the field position (B).

When the pin is in the transport position, the hydraulic cylinder can be removed for other use, and the drill can still be transported.

Route the hoses through the spring support in preparation for tractor hook up.

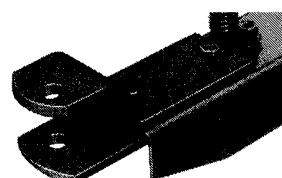


Transport Position

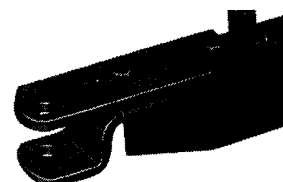


Field Position

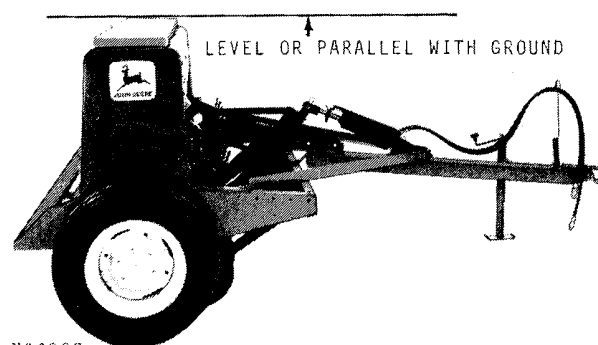
2. Position drill hitch clevis straps AND/OR tractor drawbar to level drill.



17-inch (432 mm)



15-inch (381 mm)



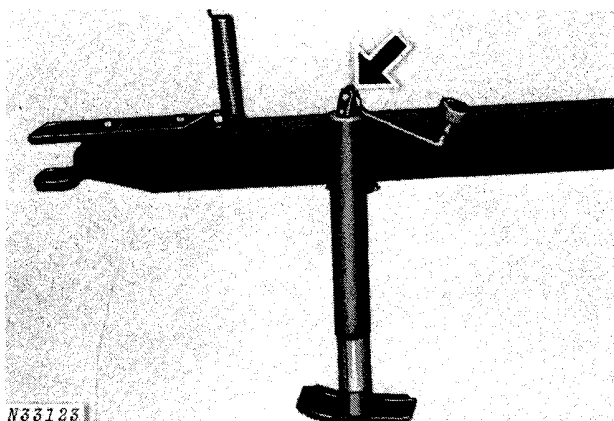
N26227

3. Check for correct tire air pressure as shown.

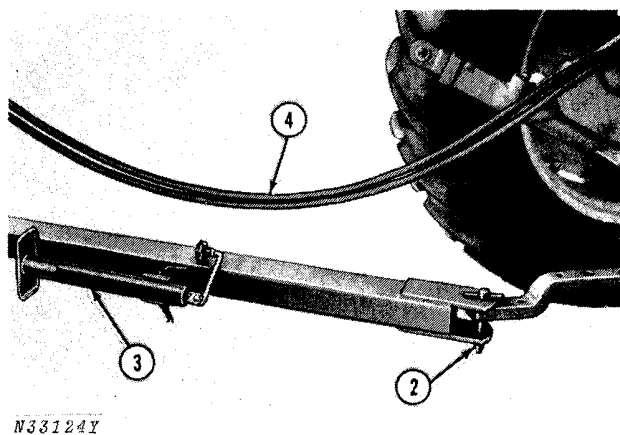
IMPORTANT: Incorrect air pressure affects seeding rates.

4 ply tires—28 psi (1.9 bar) (1.9 kg/cm ²)
6 ply tires—32 psi (2 bar) (2 kg/cm ²)

ATTACHING DRILL TO TRACTOR



1. Use the jack stand to align the drill hitch with the tractor.



Multiple Hitch Illustrated

2. Back the tractor and pin the hitch to the drawbar.
3. Unpin the jack stand, turn it 90 degrees, and repin it in field position.
4. If drill is equipped with hydraulic lift, plug the hoses into the tractor outlets.

DETACHING DRILL FROM TRACTOR

1. Back the drill into your storage area.
2. Turn the jack stand to the vertical position and take the load off the drawbar. Remove hitch pin.
3. If drill is equipped with hydraulic lift, disconnect the hoses. Install dust plugs in the tractor outlets.
4. Pull the tractor forward.



Transporting

The drill can be transported by hauling it on a trailer or by towing it.

Reduce speed when transporting over rough ground.

Transporting with seed and/or fertilizer in the drill is not recommended as it will cause settling and packing of the material.

Be familiar with the width of your drill, especially if transporting with multiple hitches.

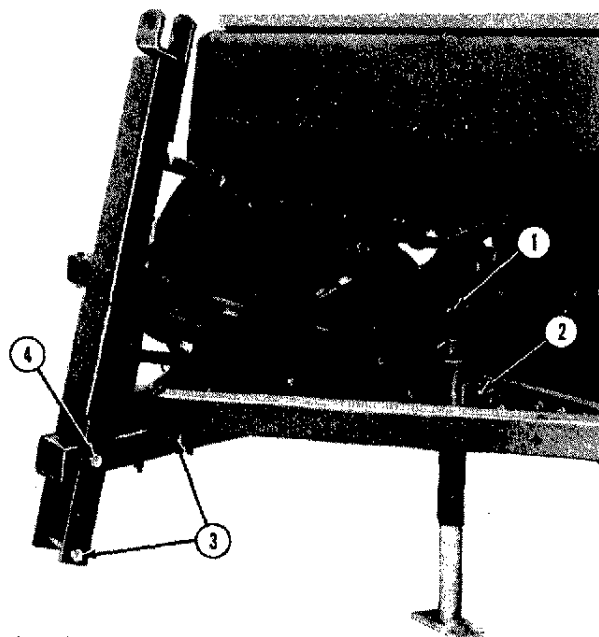
If tractor has Roll-Gard® Safety Canopy, keep your seat belt fastened when transporting.



CAUTION: When transporting the grain drill, use accessory lights and devices for adequate warning to the operators of other vehicles. In this regard, check local governmental regulations. Various safety lights and devices are available from your John Deere dealer.

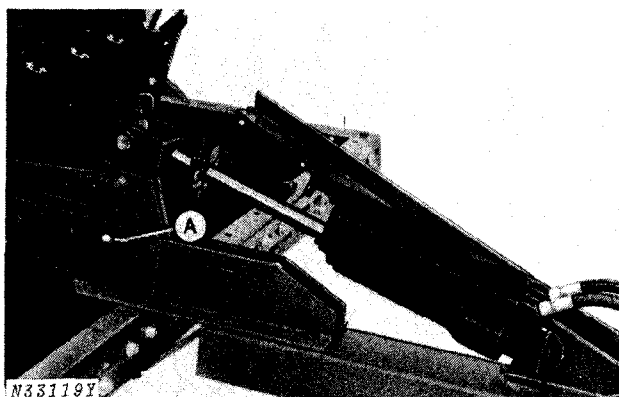
HAULING DRILL ON A TRAILER

1. Install lock pin in transport position and pull drill on trailer.
2. Place hitch jack on front frame and pin in place.
3. Remove folding tongue rear bolt and fold tongue. Replace bolt in tongue as shown.
4. Tighten folding tongue front bolt tight enough to hold tongue in transport position.
5. Block and chain drill securely to trailer bed.

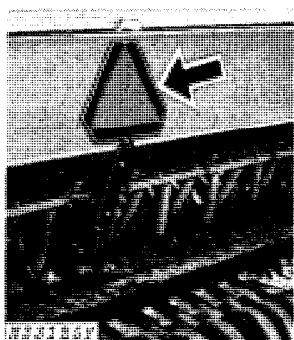


N78241E1

TOWING DRILL



Raise the openers. If equipped with hydraulic lift, install the lock pin in the transport position (A).



Keep the tractor SMV emblem in place and clean.

If the tractor SMV is missing or obscured, obtain an SMV from your John Deere dealer and install on the rear of the drill.

Make sure the drill safety reflectors—amber on front, red on rear—are clean and in place.

Never transport the grain drill faster than 10 mph (16 kmh).

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com