

7000 MAX-EMERGE® 4-ROW NARROW, 4-ROW WIDE, AND 6-ROW NARROW DRAWN PLANTERS



OPERATORS MANUAL

7000 MAX-EMERGE® 4-ROW NARROW,
4-ROW WIDE, AND 6-ROW NARROW
DRAWN PLANTERS

OMA45509 E2 English

**JOHN DEERE HARVESTER WORKS
OMA45509 E2**

LITHO IN THE U.S.A.
ENGLISH



INTRODUCTION



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 planter will travel when being transported.

Record your planter serial number in the space provided on page 241. Your dealer needs this information to give you prompt, efficient service.

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

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

7000 SERIES DRAWN PLANTERS

TO THE DEALER

Predelivery service is the service John Deere recommends that a dealer perform on a planter before delivering it to a customer. This includes assembly, lubrication, adjustment and test. The service assures that the planter will be delivered in good condition to the customer and that the customer will be fully satisfied with its performance right from the start.

The John Deere Delivery Receipt, when properly filled out and signed by the dealer and customer verifies that the predelivery and delivery services were satisfactorily performed. When delivering this planter, give the customer a copy of the delivery receipt and the operator's manual. Explain their purpose.

Be certain to retain your copy of the **packing list** for shipping bundle information.

PREDELIVERY CHECK LIST

After the planter has been completely assembled, inspect it to be sure it is in good running order before delivering it to the customer. The following check list is a reminder of points to inspect. Check off each item as it is found satisfactory or after proper adjustment is made.

- ☐ Attach planting units and attachments desired by customer.
- ☐ Be sure all grease fittings are in place and lubricated.
- ☐ Run in planter and make sure all working parts are moving freely, bolts are tight, and cotter pins are spread. See page 151.
- ☐ Inflate tires to 280 kPa (2.8 bar) (40 psi) of air pressure.
- ☐ Adjust planter to row width desired by customer.
- ☐ Paint all parts scratched in shipment.
- ☐ This planter has been thoroughly checked and to the best of my knowledge is ready for delivery to the customer.

(Date Set Up)

(Signature of Set-Up Person)

OWNER REGISTER

Name _____

Post Office _____

County _____ State _____

Model _____

Serial No. _____

Date Sold _____

DELIVERY CHECK LIST

At time planter is delivered, the following check list is a reminder of very important information which should be conveyed directly to the customer. Check off each item as it is fully explained to the customer.

- ☐ Because some fertilizers readily accumulate moisture and are quick to cause metal to corrode, advise the customer to thoroughly clean inside of fertilizer hoppers and spouts each day after using planter.
- ☐ Advise the customer that the life expectancy of this or any other machine is dependent on regular lubrication as directed in operator's manual.
- ☐ Tell the customer about all the safety precautions which must be observed while using this planter.
- ☐ When the planter is transported on a road or highway at night or during the day, accessory lights and devices should be used for adequate warning to operators of other vehicles. In this regard, tell customer to check local governmental regulations.
- ☐ Give the operator's manual to the customer and explain all operating adjustments.
- ☐ To the best of my knowledge this machine has been delivered ready for field use and customer has been fully informed as to proper care and operation.

(Date Delivered)

(Signature of Delivery Person)



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Safety

2-3

Operate the Planter Safely

If the planter must be in a raised position while working on or near it, be certain service locks are installed.

Never ride or permit others to ride on the drawbar of the tractor or on the planter.

Permit only one person, the operator, on the tractor platform while tractor and planter are in operation.

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

When using the auger fill attachment:

1. Keep all shields in place.
2. Disengage and shut off all engine and/or motor power before servicing or unclogging machine.
3. Keep hands, feet, and clothing away from power-driven parts.

Transport Safely

While transporting the planter on a public road, follow safety instructions outlined under "Transporting."

Use care when transporting across rough ground.

Avoid High-Pressure 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 connections are tight and lines, pipes and hoses are not damaged. Use a piece of cardboard or wood, rather than hands, to search for leaks.

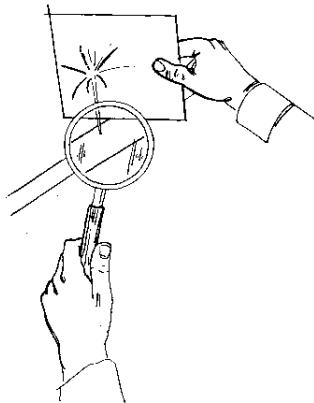
If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

Lubricate the Planter Safely

Do not grease, oil or adjust the planter while it is in motion.

Handle Chemicals Properly

Agricultural chemicals can be dangerous. Improper selection or use can injure persons, animals, plants, soils, or other property. BE SAFE: handle and apply with care. Follow instructions of the chemical manufacturer.



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Free Dry Fertilizer Augers Safely

Do not use welding torch to free frozen dry fertilizer augers from auger shaft.

Fertilizer trapped inside augers could cause gas to form, which when heated, may cause augers to explode.

Mount 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 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.

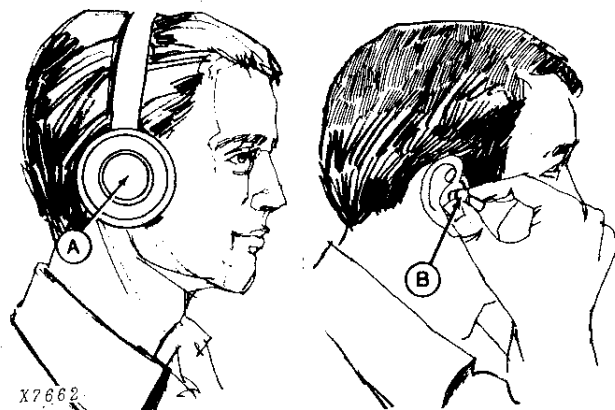
Detailed agricultural tire mounting instructions, including necessary safety precautions, are contained in John Deere Fundamentals of Service (FOS) Manual 55, Tires and Tracks, available through your John Deere dealer. Such information is also available from the Rubber Manufacturers Association and from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

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.

A—Earmuffs
B—Earplugs



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Service

Always lower the planter to the ground when not in use. Whenever possible, perform service work and adjustments with the planter on the ground.

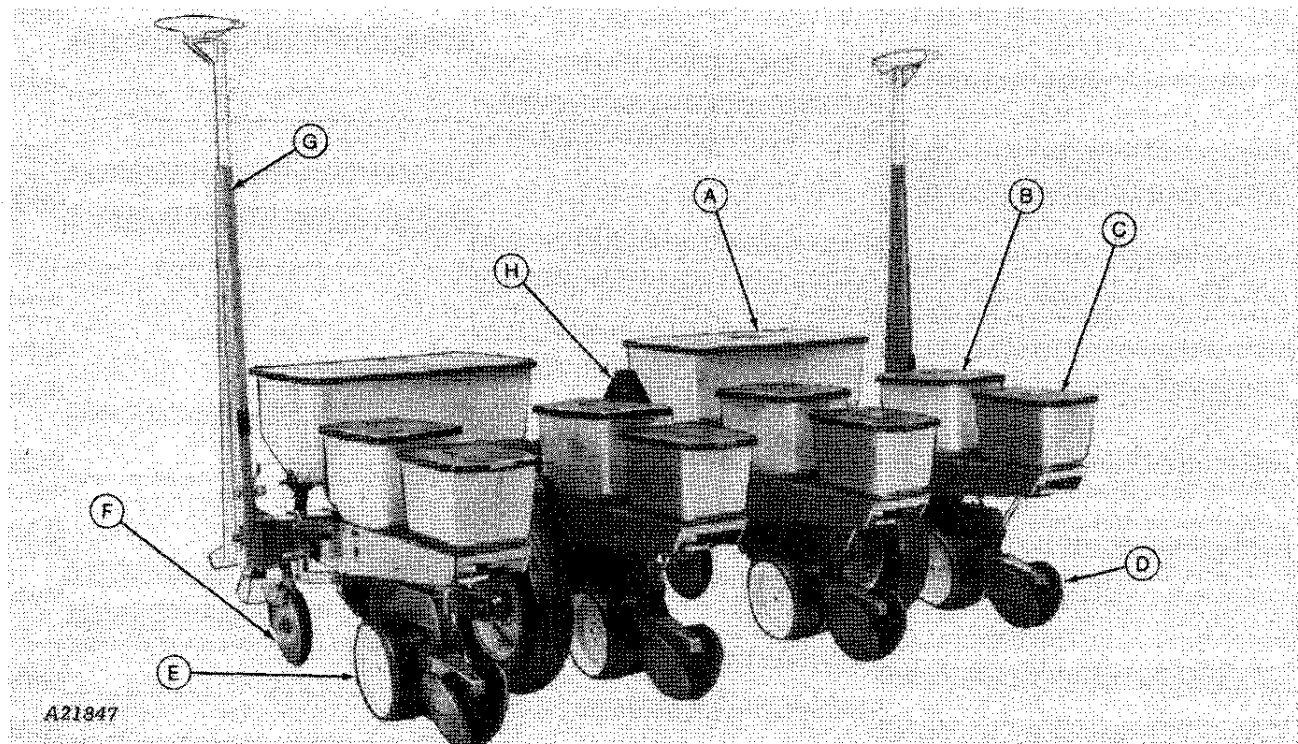
Do Not Modify Planter

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



Identification Views

4-5

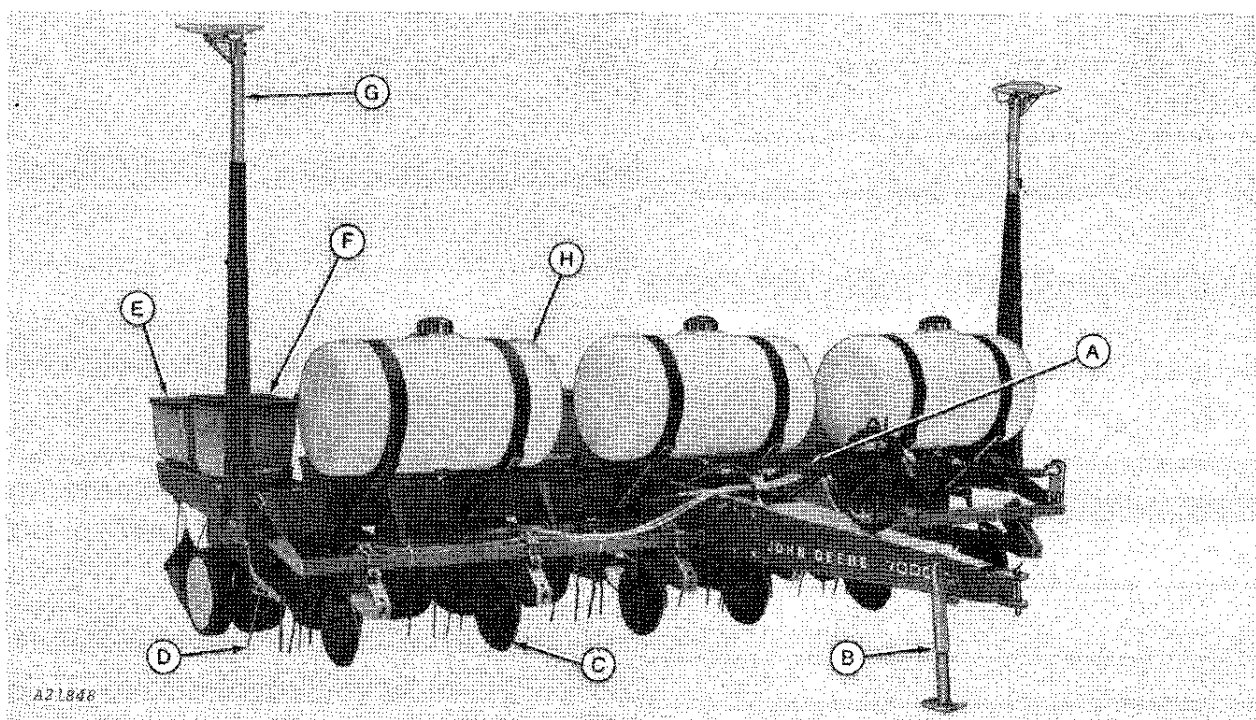


A21847

A—Dry Fertilizer Hopper
B—Seed Hopper
C—Insecticide and Herbicide Hopper
D—Closing Wheel

E—TRU-VEE™ Double-Disk Opener
Gauge Wheels
F—Double-Disk Fertilizer Opener
G—Marker
H—SMV Emblem

7000 Drawn Max-Emerge Planter 4-Row Wide with Dry Fertilizer



4-5

A—Liquid Fertilizer
Metering Pump
B—Jack Stand
C—Double-Disk Fertilizer Opener

D—Tine-Tooth Tillage
Attachment
E—Insecticide and
Herbicide Hopper

F—Seed Hopper
G—Marker
H—Liquid Fertilizer Tank

A21848

7000 Drawn Max-Emerge Planter 6-Row Narrow with Liquid Fertilizer



Preparing the Tractor

6-7

GENERAL

IMPORTANT: The operating pressure of your tractor must not exceed 15 514 kPa (155.1 bar) (2250 psi). Damage to the planter hydraulic system may occur if exposed to higher pressure.

Your tractor must be equipped with a hydraulic cylinder with a 3 x 8 in. (80 x 200 mm) stroke or larger when:

It is used with a 4-row planter equipped with or without a fertilizer attachment.

It is used with a 6-row planter not equipped with a fertilizer attachment.

A 6-row planter equipped with a fertilizer attachment requires a remote hydraulic cylinder with a 3-1/2 x 8 in. (90 x 200 mm) stroke or larger.

NOTE: All remote hydraulic cylinders must conform to ASAE - SAE standards.

For complete tractor operating instructions, refer to your tractor operator's manual.

TIRE INFLATION

Inflate the tractor tires as recommended in the tractor operator's manual.

TRACTOR DRAWBAR

Place the drawbar approximately 17 in. (430 mm) from the ground and secure in the center of the tractor.

REAR WHEEL TREAD

Set tractor tires (center to center of tread) at twice the row spacing.

ROCKSHAFT OPERATING LEVER HEIGHT STOP (4040, 4240, 4440 and 4640 Tractors)

If the tractor rockshaft is accidentally lowered with a Quik-Coupler hitch on the tractor, damage can occur to the planter hitch when turning the tractor.

To prevent accidentally lowering the rockshaft while operating the planter, install AR60331 rockshaft height stop. Installation instructions are provided with the stop.

FRICTION PIN (2040, 2240, 2440, 2640 and 2940 Tractors)

6-7

If the tractor rockshaft is accidentally lowered with a Quik-Coupler hitch on the tractor, damage can occur to the planter hitch when turning the tractor.

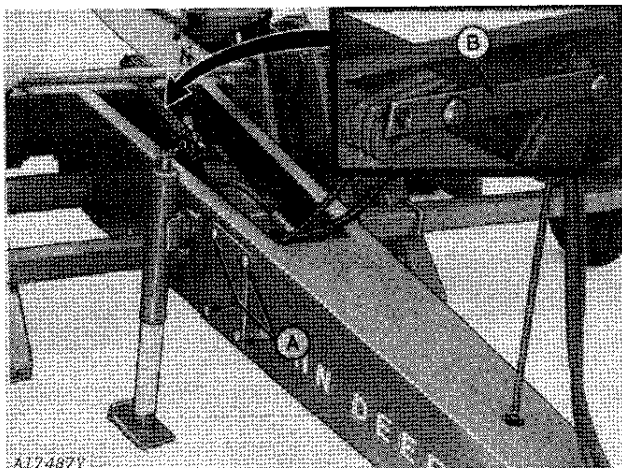
To prevent accidental lowering, be sure to install the friction pin in the control quadrant. See your tractor operator's manual.



Preparing the Planter

ALL PLANTERS

8-16

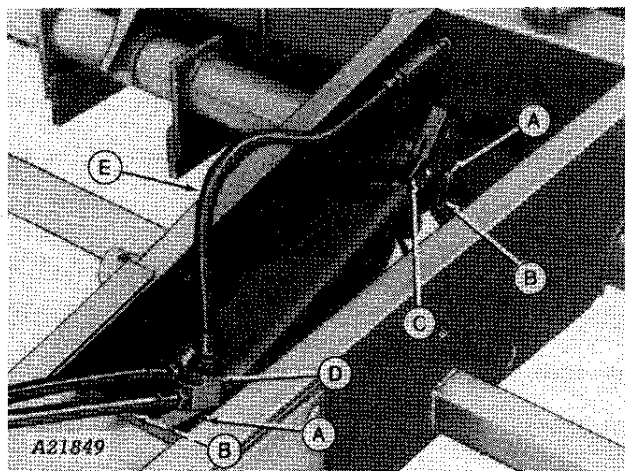


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Attaching Hitch

If planter has been stored with hitch removed, attach hitch to planter with 1/2 x 1 in. round head bolts (A), and torque to 85 ft-lb. (115 N-m). Remove spring locking pin, drilled pin and cotter pin. Remove storage strap (B).

- A—Round Head Bolts
- B—Storage Strap



A21849

Attaching Hydraulic Cylinder

If planter has been stored with hydraulic cylinder removed, attach hydraulic cylinder to cylinder support on main frame and swing link (C) on wheel frame with cylinder pins (A) and spring locking pins (B). Connect tee (D) and marker hose (E) when planter is equipped with automatic marker control.

- A—Cylinder Pins
- B—Spring Locking Pins
- C—Swing Link
- D—Tee
- E—Marker Hose

NOTE: All remote hydraulic cylinders must conform to ASAE - SAE standards.

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