

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



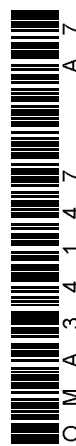
OPERATORS MANUAL

**7000 DRAWN 4-ROW NARROW, 4-ROW
WIDE, AND 6-ROW NARROW
MAX-EMERGE PLANTER**

OMA34147 A7 English

**JOHN DEERE HORICON WORKS
OMA34147 A7**

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





To the Purchaser


This new planter 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, or adjustments and service. Read "Contents" to learn where each section is located. Use the alphabetical index for fast reference.

In addition to the equipment furnished with your planter, attachments are available to help you do a better job in special crop conditions. These are described in the Attachment section of this manual and can be purchased from your John Deere dealer.

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

Record your planter serial numbers in the space provided on page 150. Your dealer needs this information to give you prompt, efficient service when you order parts or attachments. If your planter requires replacement parts, go to your John Deere dealer where you can obtain genuine John Deere parts - accept no substitute.

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 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.

Because John Deere sells its products world-wide, U.S. units of measure are shown with their respective Metric equivalents throughout this operator's manual. These equivalents are the SI (International System) Units of Measure.



Contents

Page	
2	Safety Suggestions
3	Identification Views
4-6	Preparing For Use
7-8	Attaching and Detaching
9	Transporting
10-52	Operating Adjustments
53-74	Attachments
75-78	Lubrication
79-94	Service
95-98	Trouble Shooting
99-147	Assembly
148-151	Specifications
152-154	Index



Safety Suggestions

GENERAL

2



The safety of the operator was one of the prime considerations in the minds of John Deere engineers when this planter was designed. Shielding, simple adjustments, and other safety features were built into the planter wherever possible.

You can make your farm a safer place to live and work if you observe the safety suggestions given. Study these suggestions carefully and insist that they be followed by those working with you and for you.

Finally, remember this: an accident is usually caused by someone's carelessness, neglect, or oversight.

TRANSPORTING

Always lock planter in transport position when transporting the planter for any length of time or on open roads.

When transporting the planter on a smooth surface road, do not exceed maximum tractor transport speed. Reduce speed considerably when traveling over rough ground.

When transporting the planter on a road or highway at night or during the day, use accessory 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.

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.

Never clean, lubricate, or adjust a machine that is in motion.

OPERATION

Be careful when operating the planter to avoid injury to the operator and assistants.

If the planter must be in a raised position while working on or near it, be certain safety transport links or storage strap is installed.

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.

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

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.

HYDRAULIC OIL

Escaping hydraulic oil 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. Oil 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 oil, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

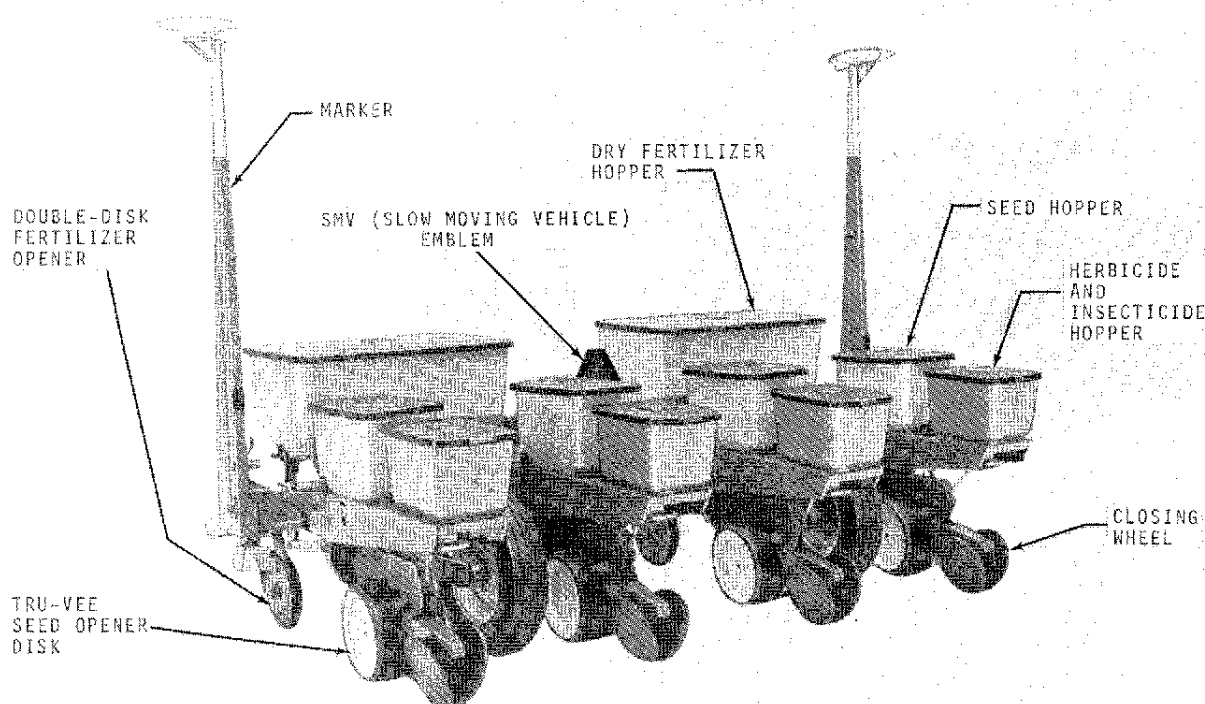
Always relieve pressure in the hydraulic system before working with hydraulic system components.

AGRICULTURAL CHEMICALS

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.

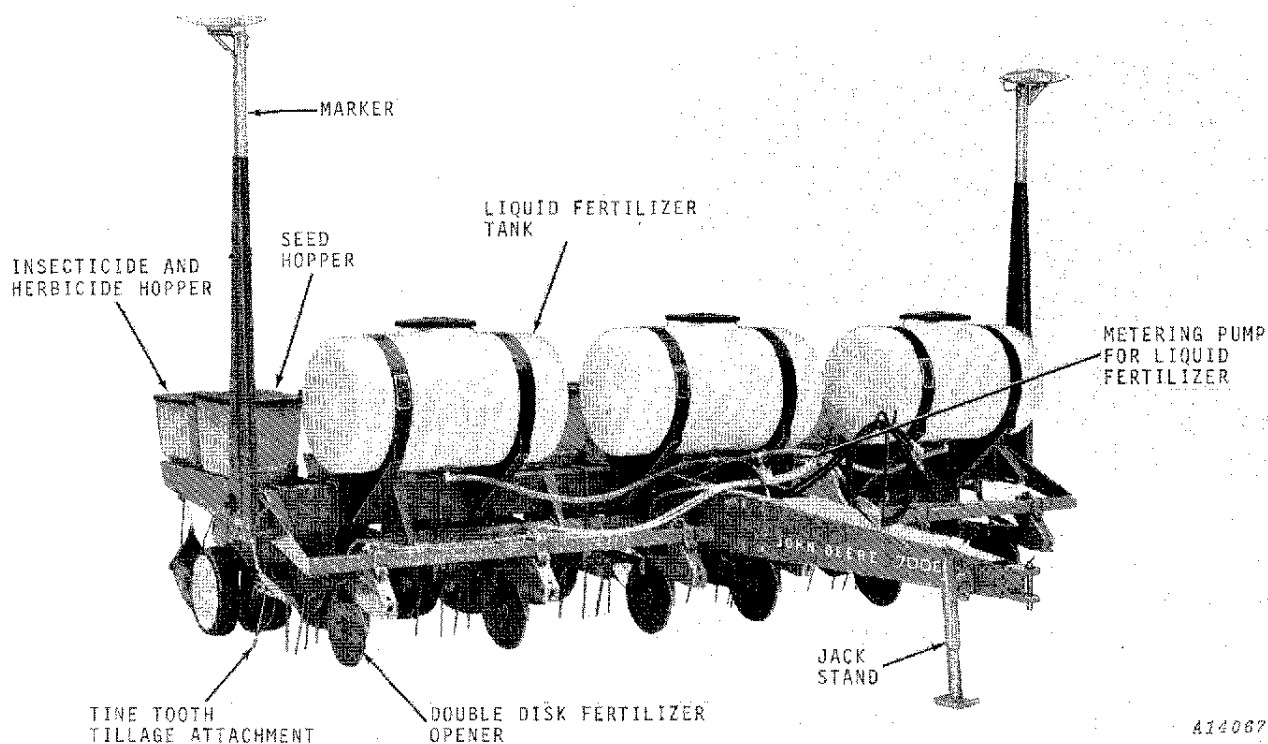


Identification Views



A14066

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



A14067

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

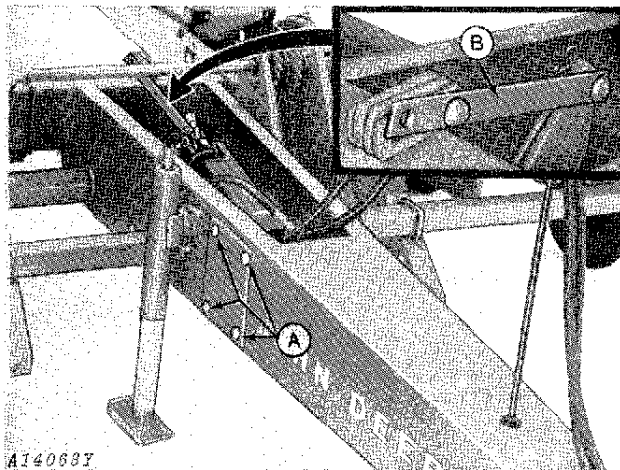


Preparing For Use

ALL PLANTERS PREPARING THE PLANTER

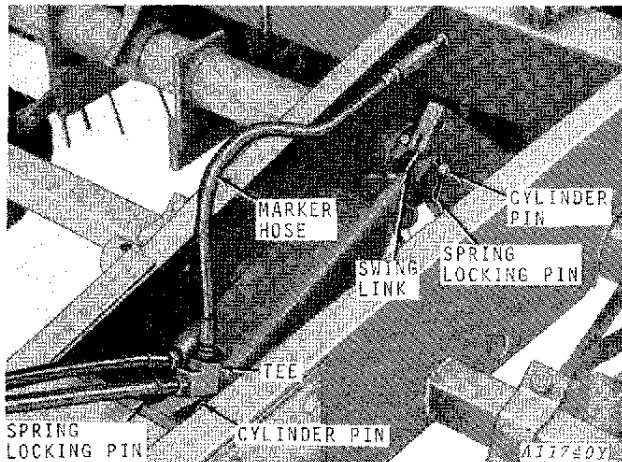
Attaching Hitch

4-6



If planter has been stored with hitch removed, attach hitch to planter with 1/2 x 1-inch round head bolts at "A", and tighten to 85 ft-lbs (115 Nm) (11.5 kgm) torque. Remove spring locking pin, drilled pin and cotter pin and remove storage strap (B).

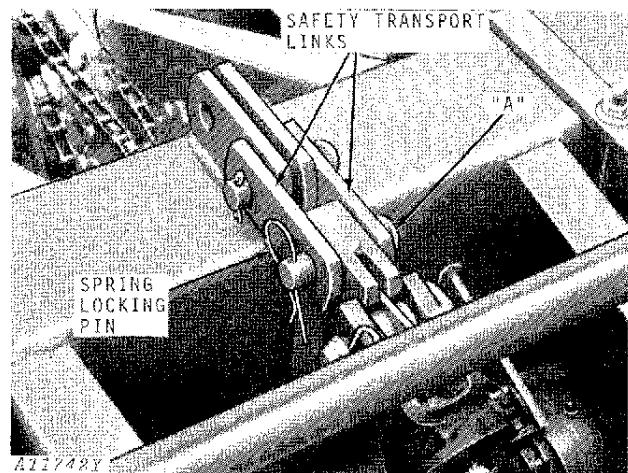
Attaching Hydraulic Cylinder



If planter has been stored with hydraulic cylinder removed, attach hydraulic cylinder to cylinder support on main frame and swing link on wheel frame with cylinder pins and spring locking

pins. Connect tee and marker hose when planter is equipped with automatic marker control.

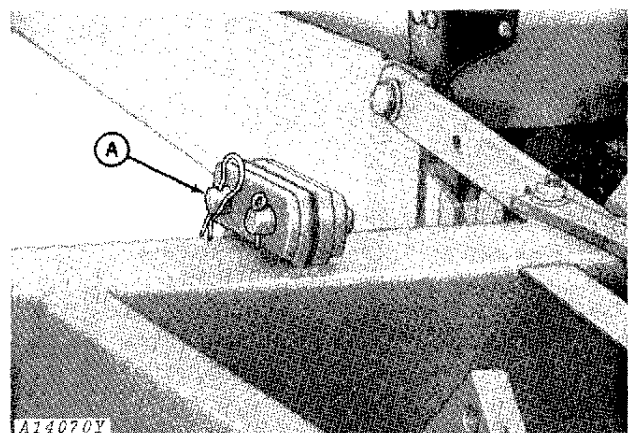
Disconnecting Safety Transport Links



Transport Position

If planter has been stored in transport position, disconnect the safety transport links as follows:

Extend hydraulic cylinder and remove drilled pin "A" and spring locking pin.



Storage Position

Swing safety transport links rearward to storage position and insert drilled pin "A" and spring locking pin.

Tire Inflation

Be sure 7.60 x 15 6 PR planter tires are inflated to 40 psi (2.8 bar) (2.8 kg/cm²) of air pressure.

Lubrication

Be sure your planter has been properly lubricated. Consult the lubrication charts on pages 75 through 78 for lubricating instructions.

Regular and systematic lubrication is the best insurance against breakdowns and delays. It will help you get better service from your planter and save on your maintenance costs.

Row Widths

The 7000 Planter is available for planting the following row widths:

4 Row Narrow—30-inch (76 cm), 32-inch (81 cm), and 34-inch (86 cm) row widths.

4 Row Wide—36-inch (91 cm), 38-inch (97 cm), and 40-inch (102 cm) row widths.

6 Row Narrow—30-inch (76 cm) row width only.

To change the row widths proceed as follows:

Lower the planter (hoppers empty) until openers rest on the ground.

Remove cotter pin from driver and coupler and remove drill shaft.

Loosen U-bolts, then move all planting units, starting with inside rows. Place one inside unit one-half the distance of the desired row width from the center of the planter frame to the center of the planting unit.

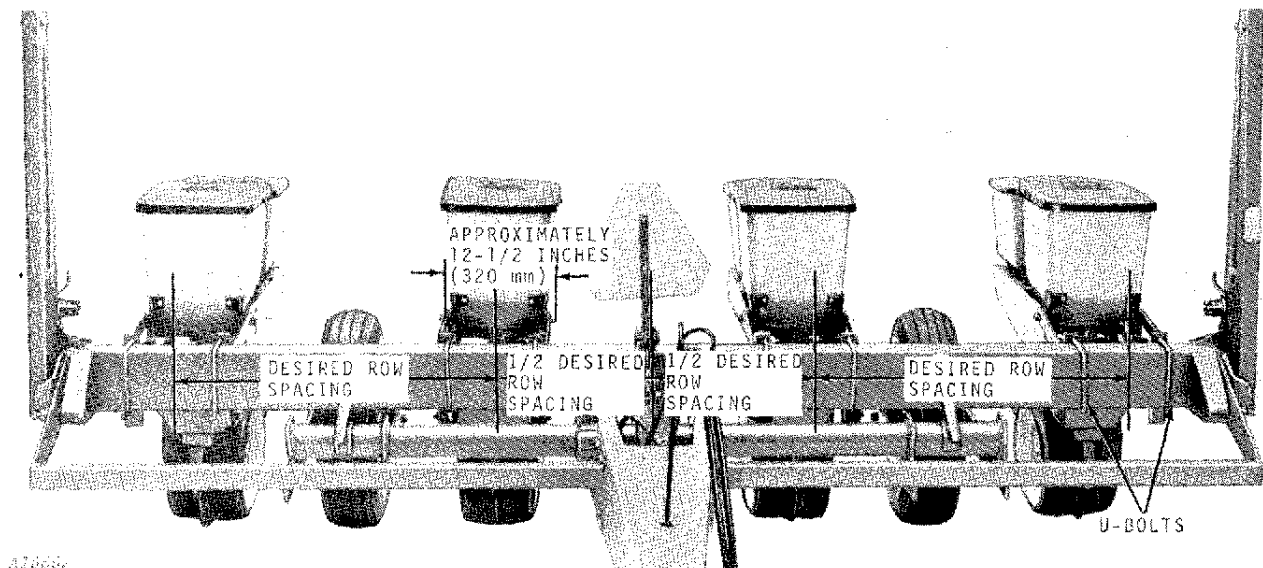
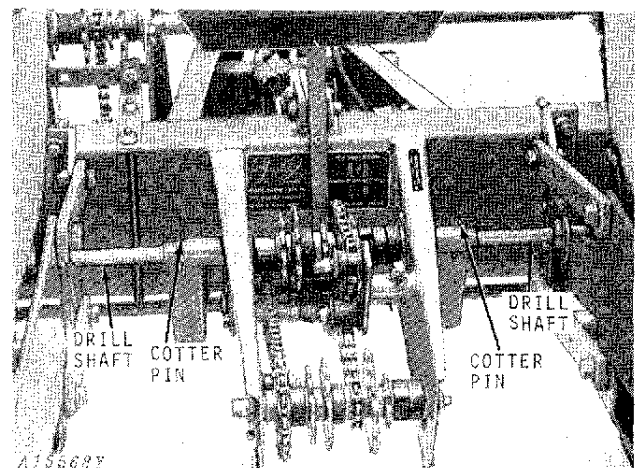
Place other unit at the desired row width from this unit. Be certain unit mounting angles are vertical and spaced at approximately 12-1/2-inches (320 mm). Tighten U-bolts uniformly, to 105 foot pounds (142 Nm) (14.2 kgm).

Insert drill shaft into driver and coupler and secure with cotter pin.

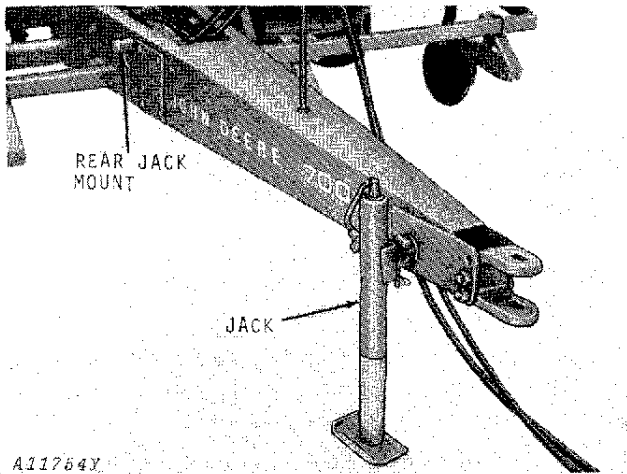
Check all drive components for interferences and planting unit openers to insure seed tubes and openers are free of dirt or other foreign objects.

NOTE: If drill shaft does not align properly with transmission shaft, loosen planting unit drill shaft bearings, re-align shaft, and tighten bearings.

4-6

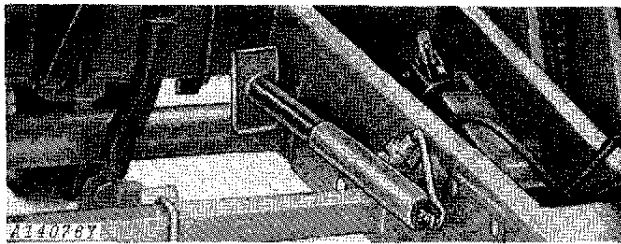


Jack



4-6

The jack should be positioned on mount near planter hitch clevis for attaching, detaching, or storage.



Operating Position

Mount in rear position during operation to provide clearance for turning. Rear mount is also used for storage with hitch removed. See "Storage" on page 94.

PREPARING THE TRACTOR

The tractor must be equipped with a 3-inch (80 mm) x 8-inch (200 mm) stroke or larger remote hydraulic cylinder conforming to ASAE-SAE standards for 4 row planter or 6 row planter without fertilizer attachment.

A 3-1/2-inch (90 mm) x 8-inch (200 mm) stroke or larger remote hydraulic cylinder conforming to ASAE-SAE standards, must be used for 6 row planter with fertilizer attachment.

Tire Inflation

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

Tractor Drawbar

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

Setting Wheel Tread

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

Rockshaft Height Stop (4030, 4230, 4430, 4630, 8430, and 8630 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.

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