

7000 FOLDING 24-ROW NARROW MAX-EMERGE™ PLANTER



OPERATORS MANUAL 7000 FOLDING 24-ROW NARROW MAX-EMERGE™ PLANTER

OMA43719 B2 English

PLOW & PLANTER WORKS
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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 175. Your dealer needs this information to give you prompt, efficient service.

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



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Safety

2-3

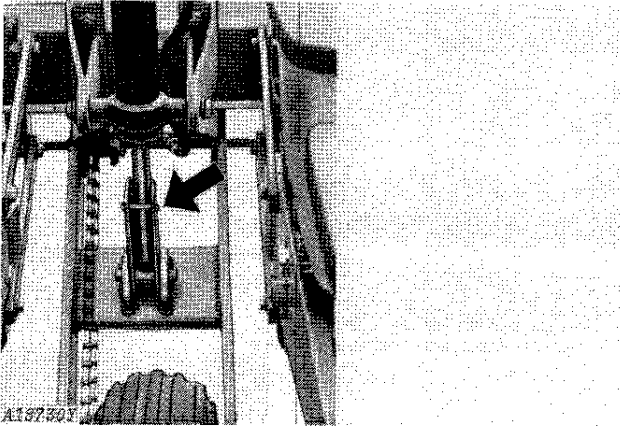
Operate the Planter Safely

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

Transport Safely

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

Use care when transporting across rough ground.

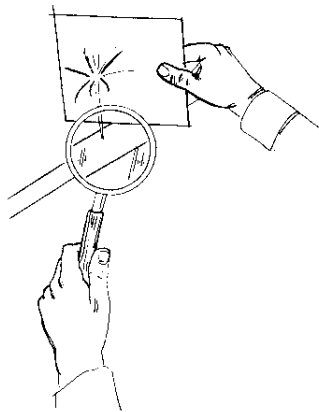


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Service the Planter Safely

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

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



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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.

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.

2-3

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.

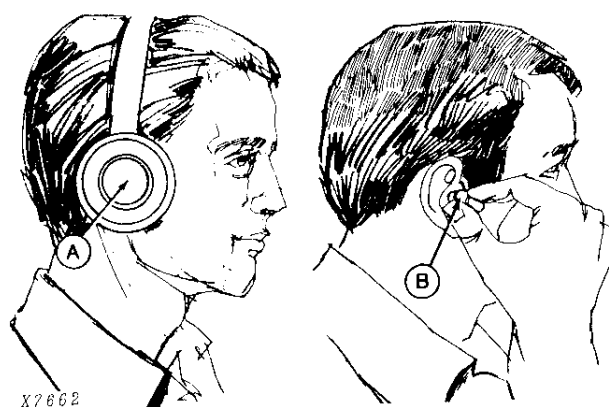
When sealing tire beads on rims, never exceed 35 psi or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended 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 ear plugs (B) to protect against objectionable or uncomfortable loud noises.



A—Earmuffs
B—Ear Plugs

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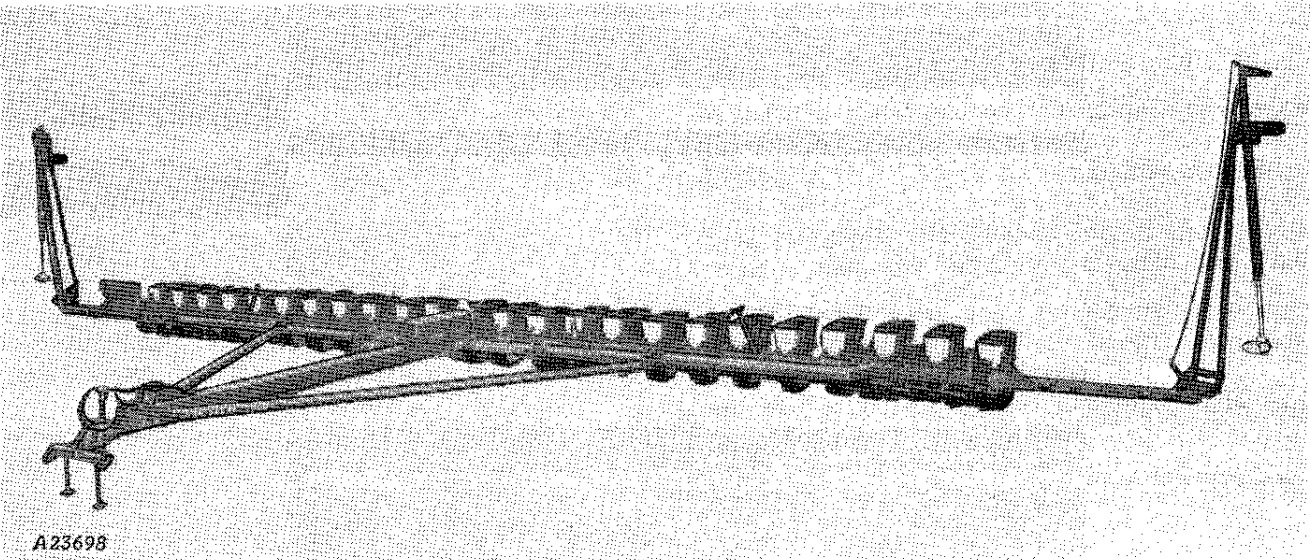
Modifications to the Planter

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



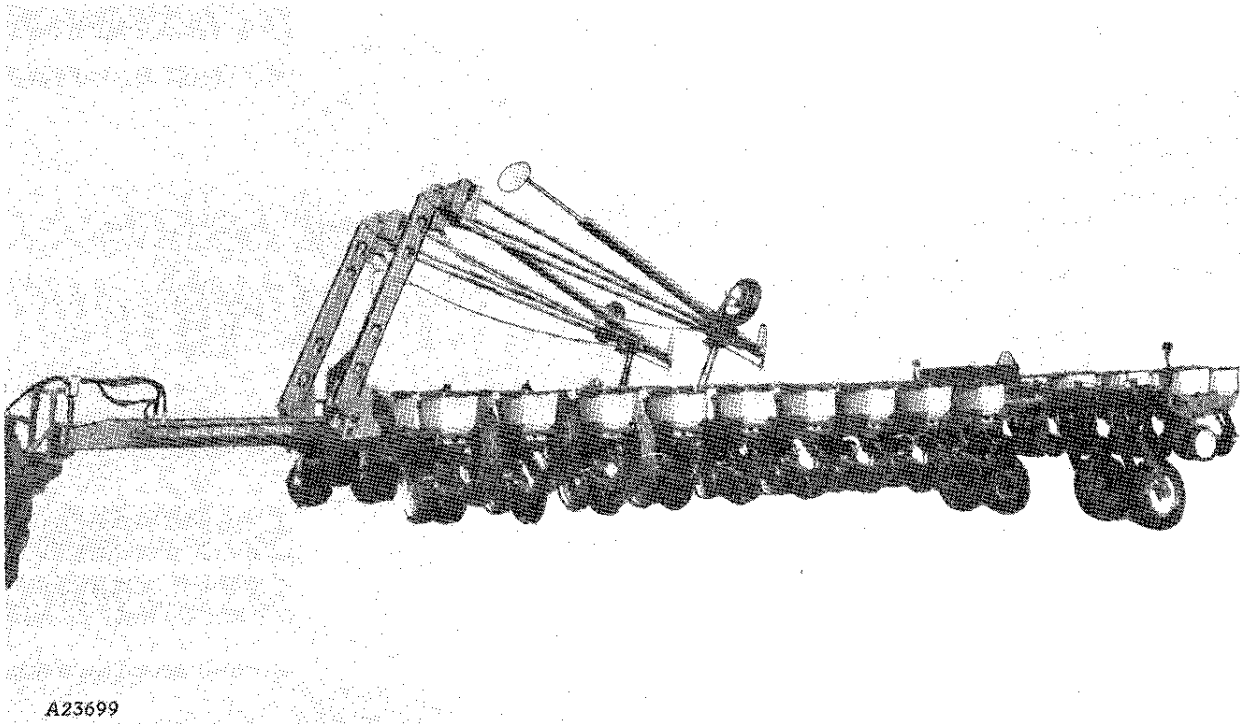
Identification Views

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7000 Folding 24-Row Narrow Planter (Unfolded)



A23699

7000 Folding 24-Row Narrow Planter (Folded)



Preparing the Tractor

HYDRAULIC PRESSURE

IMPORTANT: The operating pressure of your tractor must be a minimum of 13 790 kPa (137.9 bar) (2000 psi) for the planter hydraulic system to function properly.

The maximum operating pressure for the planter hydraulic system is 15 514 kPa (155.1 bar) (2 250 psi). Exceeding this pressure is not recommended.

5-7

TIRE SIZE

The minimum tire size is 23.1 x 30, 10-ply rated. Dual wheels are required when planting with the 24-row planter.

TIRE INFLATION

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

SETTING WHEEL TREAD

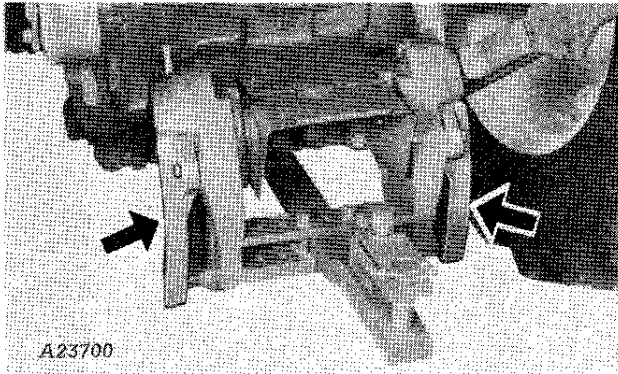
Set tractor tires (center to center of tread) as close as possible to twice the row spacing.

NOTE: Certain tire combinations may require Category 3N Quik-Coupler to obtain 60-inch (1 524 mm) wheel tread setting.

WHEEL BALLAST

See your tractor operator's manual.

SWAY BLOCKS

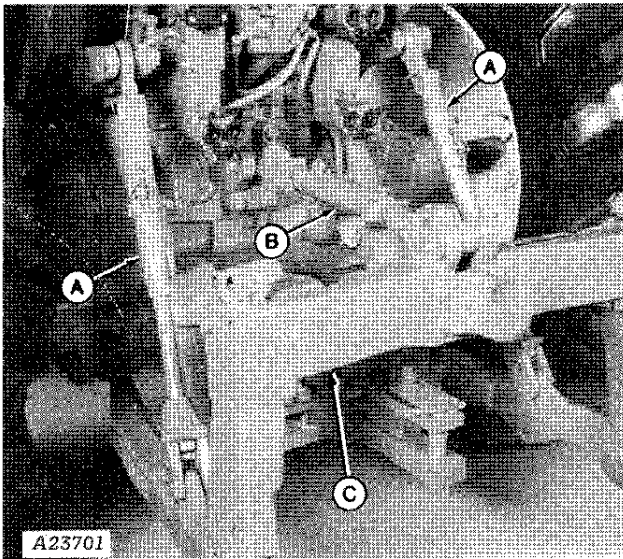


Set the sway blocks in the down position to prevent side sway.

5-7

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LINK LENGTHS



Set the lift links (A) as short as possible to provide maximum transport clearance.

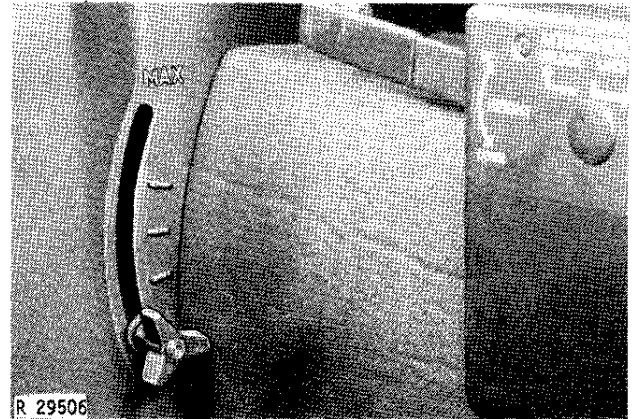
Adjust the center link (B) until the Quik-Coupler (C) is vertical when in planting position.

- A—Lift Links
- B—Center Link
- C—Quik-Coupler

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SETTING ROCKSHAFT SELECTOR LEVER

Set the rockshaft selector lever in the "MIN" position to prevent unexpected hitch movement.



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Preparing the Planter

TIRE INFLATION

Be certain center frame wheels are inflated to 359 kPa (3.6 bar) (52 psi) and wing wheels are inflated to 248 kPa (2.5 bar) (36 psi) of air pressure.

8-12

LUBRICATION

Be sure your planter has been properly lubricated. Consult the lubrication charts on pages 114-120 for lubricating instructions.

SELECTING SEED PLATES (Plate Seed Hoppers Only)

There are two ways to select seed plates. One is to follow the recommendation of the seed supplier and the other is to take a sample of the seed to be planted to a John Deere dealer and let him recommend the seed plates.

In either case, the accuracy of the seed plate selected should be checked when installed in your planter and operated at the planting speed you intend to travel. The best check is to plant a short distance at the desired planting speed and then stop and dig up the seeds to determine the actual planting rate.

For a given spacing and travel speed, a 24-cell seed plate revolves slower than a 16-cell seed plate, resulting in better cell fill. It is therefore recommended that a 24-cell seed plate be used in all cases when available.

NOTE: See pages 79-81 for drilling distance conversion charts for 16-, 20- and 24-cell seed plates.

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