

# 7000 DRAWN MAX-EMERGE PLANTERS



## OPERATORS MANUAL 7000 DRAWN MAX-EMERGE PLANTERS

OMA35932 D8 English

**OMA35932 D8**

LITHO IN THE U.S.A.  
ENGLISH



# 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 105.
- Inflate tires to 40 psi (2.8 bar) (2.8 kg/cm<sup>2</sup>) 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 Suggestions

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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.

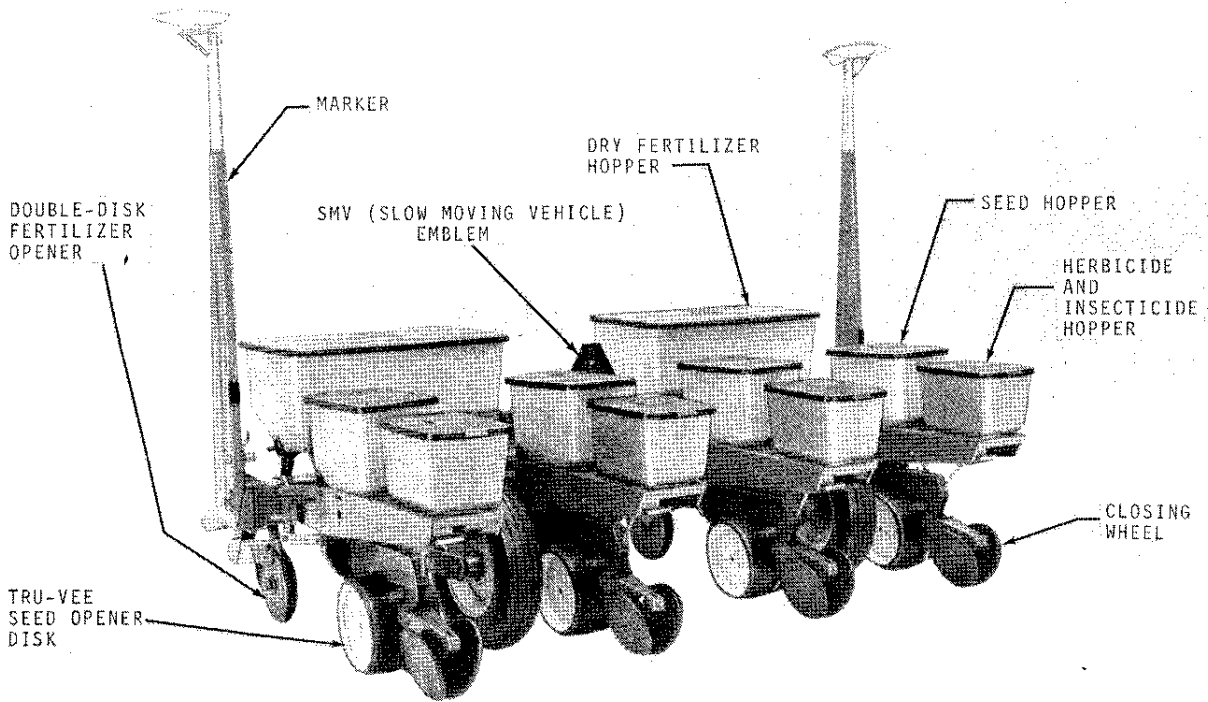
Always relieve pressure in the hydraulic system before working with hydraulic system components.

## 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.

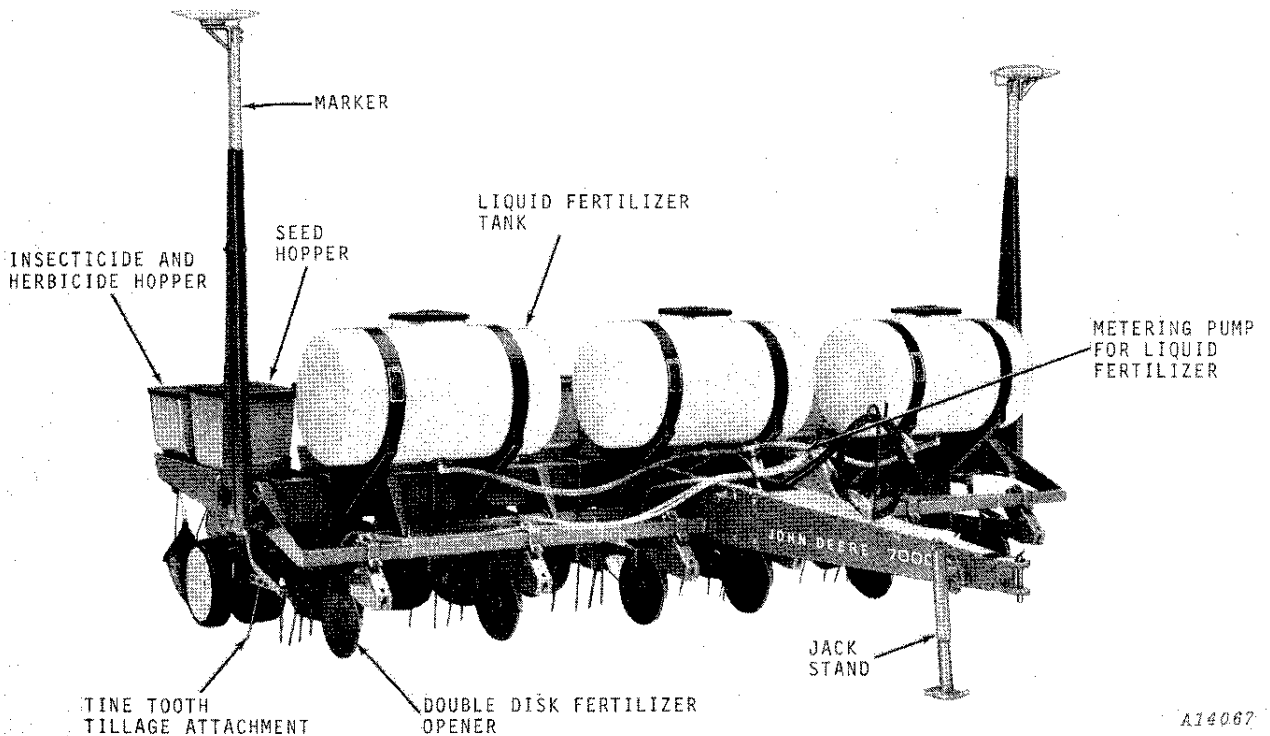


# Identification Views



A14066

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



A14067

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

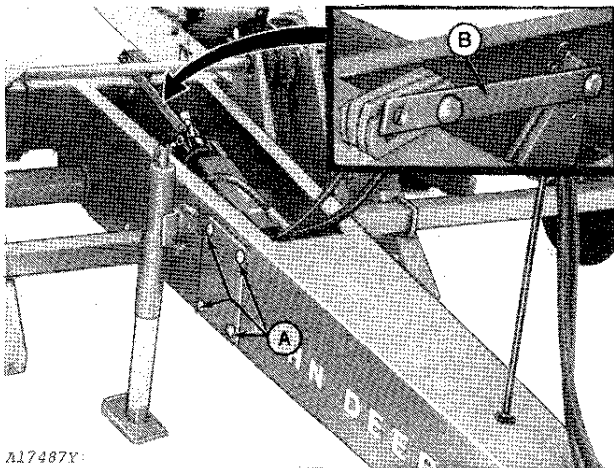


# Preparing For Use

## ALL PLANTERS PREPARING THE PLANTER

### Attaching Hitch

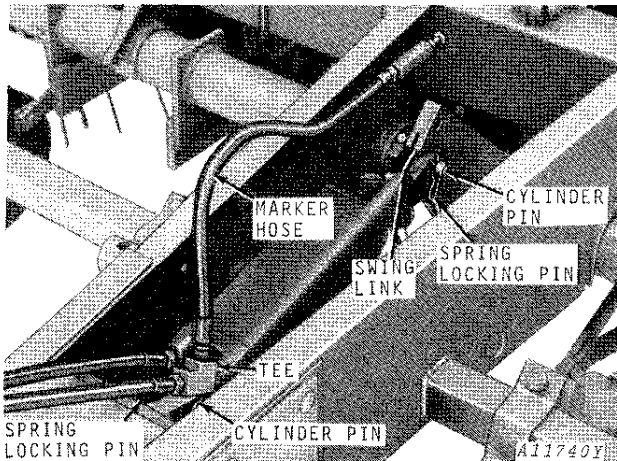
4-6



A17487Y

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).

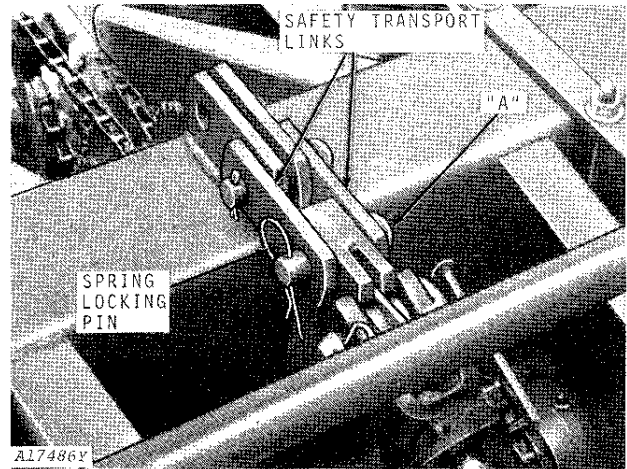
### Attaching Hydraulic Cylinder



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.

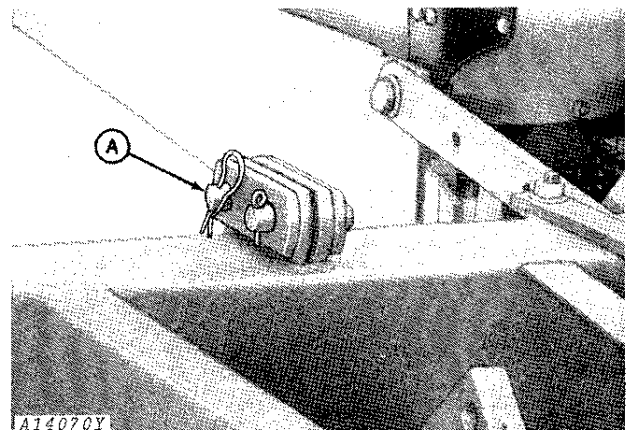
### Disconnecting Safety Transport Links



*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/cm<sup>2</sup>) of air pressure.

### Lubrication

Be sure your planter has been properly lubricated. Consult the lubrication charts on pages 81 through 84 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 (B) from driver and coupler and remove drill shaft (A).

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.

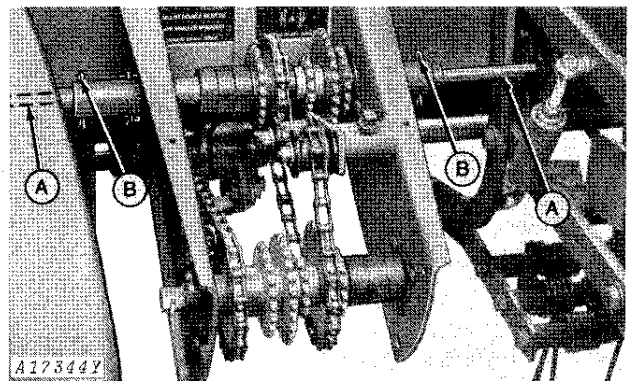
Place other unit at the desired row width from this unit. Be certain unit mounting angles are vertical and spaced at approximately 12-1/2-inches (320 mm). Tighten U-bolts uniformly, to 105 foot pounds (142 Nm) (14.2 kgm).

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.

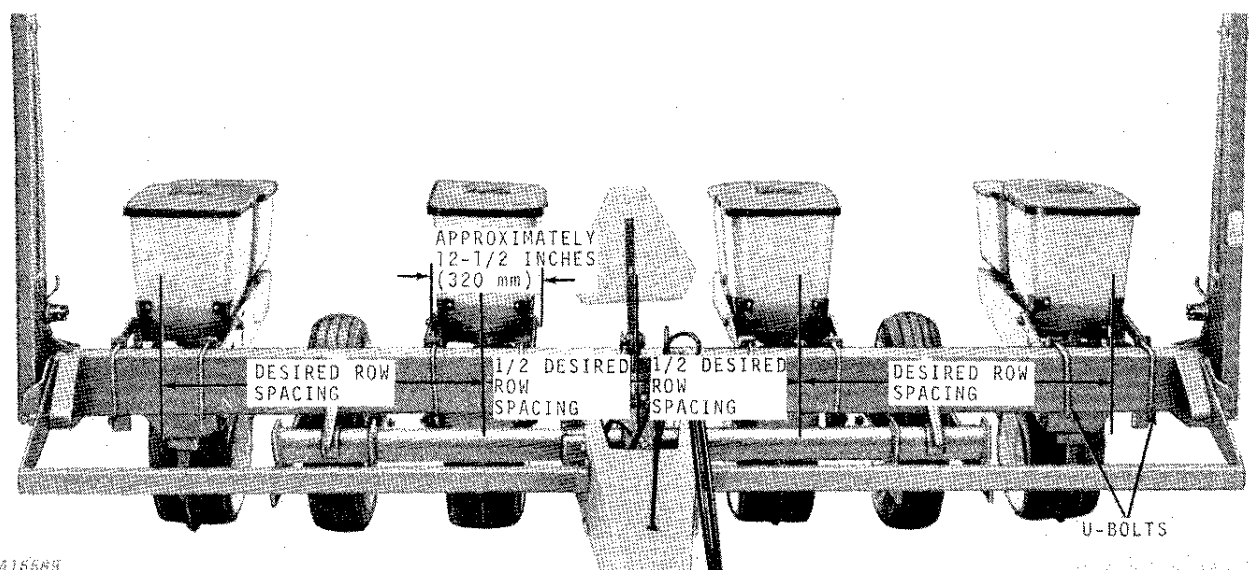
*NOTE: If drill shaft does not align properly with transmission shaft, loosen planting unit drill shaft bearings, re-align shaft, and tighten bearings.*

4-6



A—Drill Shaft

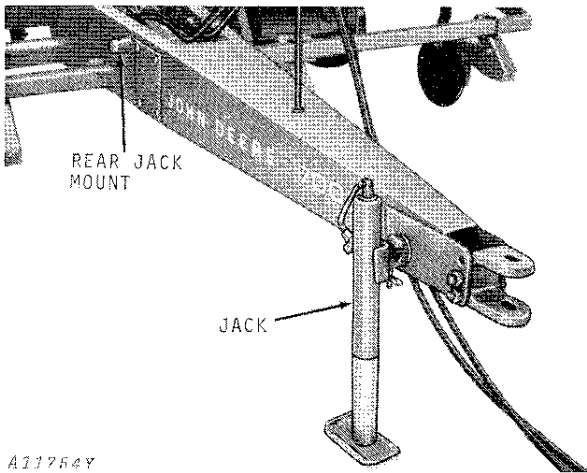
B—Cotter Pin



A15585

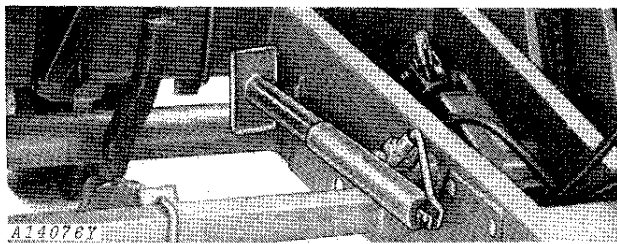
U-BOLTS

### 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 100.

## PREPARING THE TRACTOR

Your tractor must be equipped with a hydraulic cylinder with a 3- x 8-inch (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 six row planter equipped with a fertilizer attachment requires a remote hydraulic cylinder with a 3-1/2- x 8-inch (90 x 200 mm) stroke or larger.

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

### 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 Rear Wheel Spacing

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

### Rockshaft Height Stop (4040, 4240, 4440, 4640, 4840, 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.

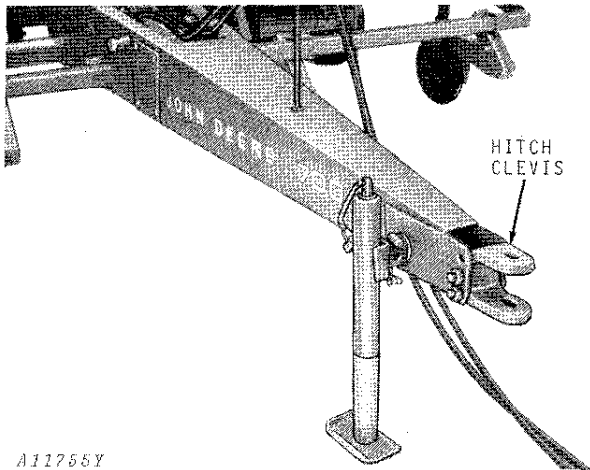
To prevent accidentally lowering the rockshaft while operating the planter, install AR60331 rockshaft height stop. Installation instructions are provided with the stop.





# Attaching and Detaching

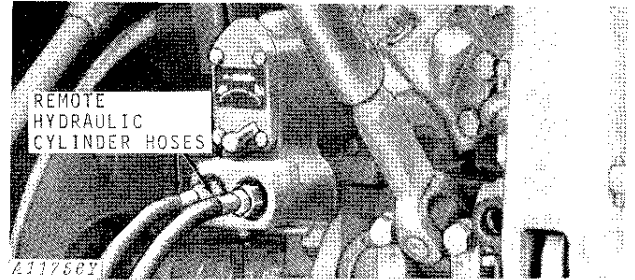
## ATTACHING TO TRACTOR



With the planter in the lowered planting position, remove hitch pin and position planter hitch clevis at or near tractor drawbar height. See page 10 for hitch clevis adjustment.

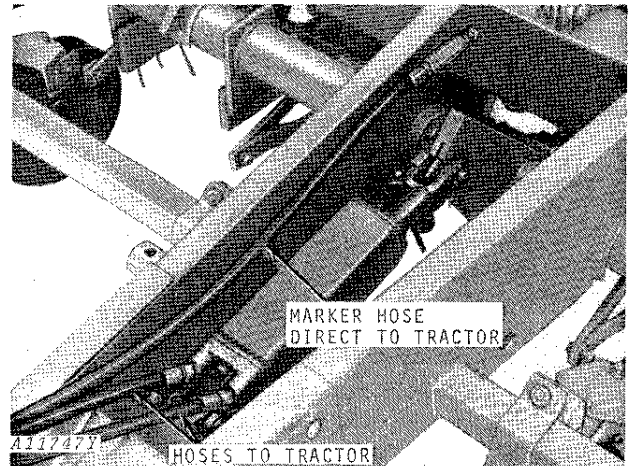
Back tractor into position and attach to planter with hitch pin.

**CAUTION:** To avoid injury from escaping hydraulic oil under pressure, relieve the pressure in the system by shutting off tractor and moving remote cylinder operating levers in both directions before attaching hoses to breakaway couplers.

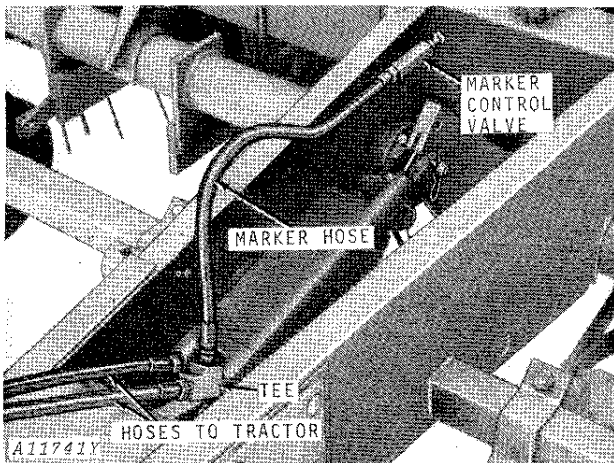


Attach hydraulic hoses to tractor as shown above for planters equipped with automatic marker hydraulic system.

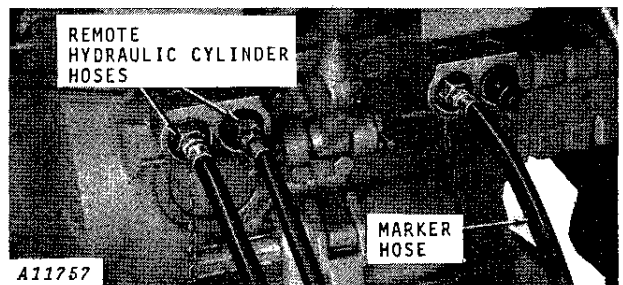
7-8



*Independent Marker Hydraulic System*

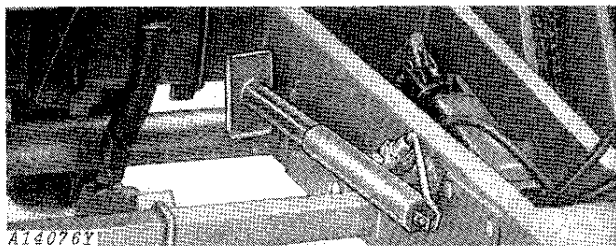


*Automatic Marker Hydraulic System*



Attach hydraulic hoses to tractor as shown above for planters equipped with independent marker hydraulic system.

## Jack



Locate jack on rear mount in horizontal position as shown.

Secure jack with retaining pin and Quik-Lock Pin.

## CHECKING HYDRAULIC SYSTEM

After attaching planter to tractor for the first time, check all hydraulic connections, lines and hoses, for leaks.

**CAUTION:** 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.

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

## DETACHING FROM TRACTOR

When detaching planter from tractor, lower planter to ground with remote cylinder operating lever. Relieve hydraulic pressure from system by shutting off tractor and moving remote cylinder operating lever in both directions.

*NOTE: If remote hydraulic cylinder is needed for other applications, see page 100 for removal.*

Remove hoses from breakaway couplers. Position jack as illustrated on page 7. Raise hitch with jack until weight of hitch is transferred from tractor drawbar to jack.

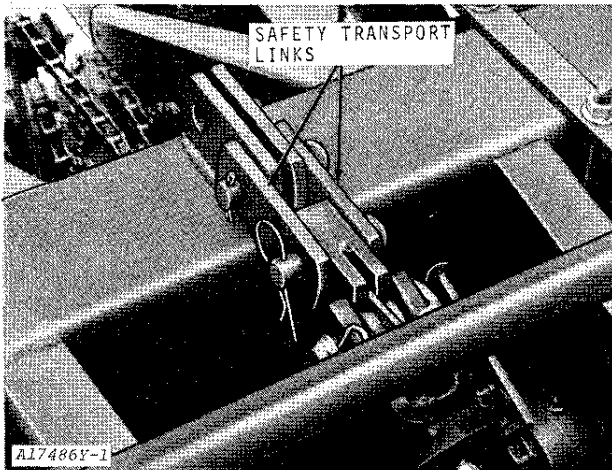
Remove hitch pin and drive tractor forward away from hitch.



# Transporting

**CAUTION:** 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 operator's of other vehicles. In this regard, check local governmental regulations. Various safety lights and devices are available from your John Deere dealer.



Always lock planter in transport position when transporting the planter for any length of time.

Before transporting the planter, fully extend the remote hydraulic cylinder and connect the safety transport links to the wheel frame center mast.

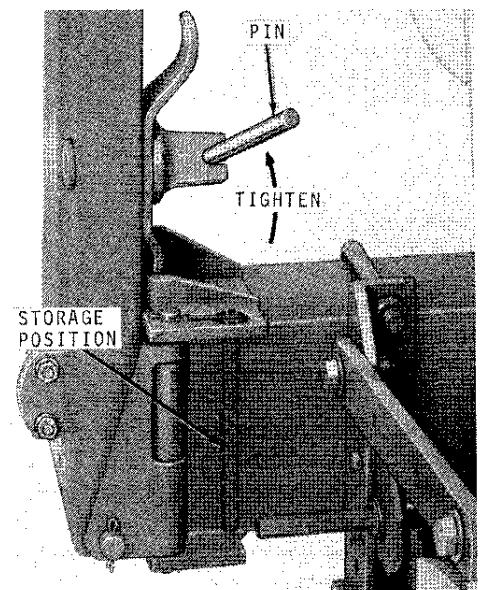
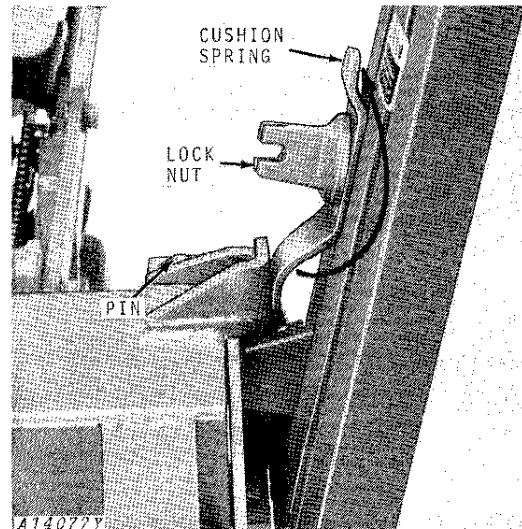
To lock hydraulic markers in transport position proceed as follows:

**CAUTION:** Stand clear of disk blade when raising or securing marker.

Raise marker.

Remove pin from storage position and insert into slot in lock nut.

Loosen lock nut and turn cushion spring 90 degrees.



Push marker arm in until contact is made with planter frame.

Continue to rotate spring cushion 90 degrees further until marker arm is locked in position. Tighten lock nut and insert pin in storage position.

If transporting the planter any great distance, empty all hoppers. Removing the drive wheel chains will greatly reduce drive and chain wear.

The marker extension arms can be removed for added height clearance.

After reaching the field, remove transport links from center mast and pin in storage position. Unlock markers.

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button below to download the  
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