



1635 Disk



JOHN DEERE

OPERATORS MANUAL

1635
Disk

OMA46835 Issue L2 English

John Deere Plow & Planter Works
OMA46835 Issue L2

LITHO IN 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 disk will travel when in use.

Record your disk serial number in the space provided on page 40.

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

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



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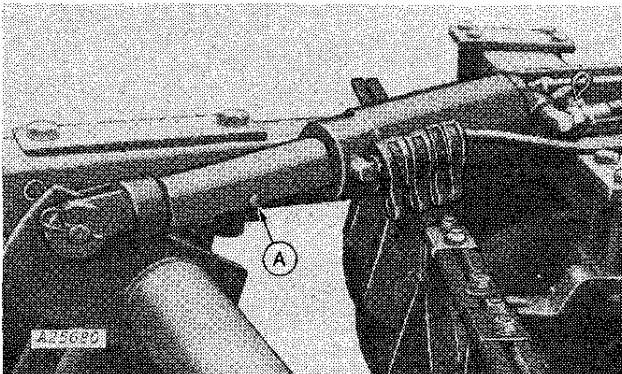
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Safety

TRANSPORT SAFELY

2-4



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Engage and secure transport safety locks (A) with pins and spring locking pins before transporting.

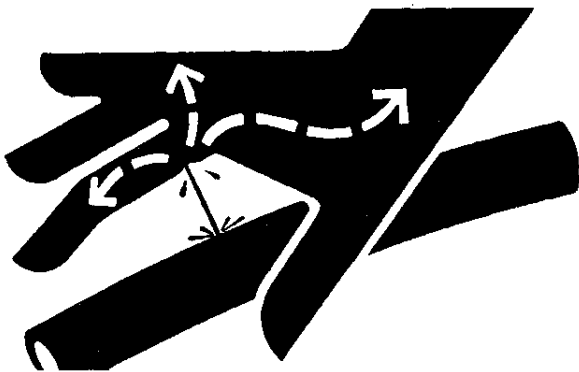
The maximum transport speed for this disk is 20 mph (32 km/h). **DO NOT EXCEED.** Never travel at any speed which does not permit adequate control of steering and stopping.

When transporting the disk 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.

While transporting disk on public roads, follow safety instructions outlined under "Transporting", pages 11-12.

Use care when transporting across rough ground.

AVOID HIGH PRESSURE FLUIDS



X9811

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard or paper to search for leaks. Do not use your hand.

If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type injury or gangrene may result.

OPERATE DISK SAFELY

Be careful when operating disk to avoid injury.

Never ride or permit others to ride on drawbar of tractor or disk.

Wear protective gloves to prevent injury from cutting edges of disk blades or scraper blades.

Park or block disk so it will not roll when disconnected from tractor drawbar.

When leaving tractor and disk, be certain transport locks are installed or disk is lowered to ground.

Permit only one person — the operator — on tractor platform while tractor and disk are in operation.

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

2-4

LUBRICATE THE DISK SAFELY

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

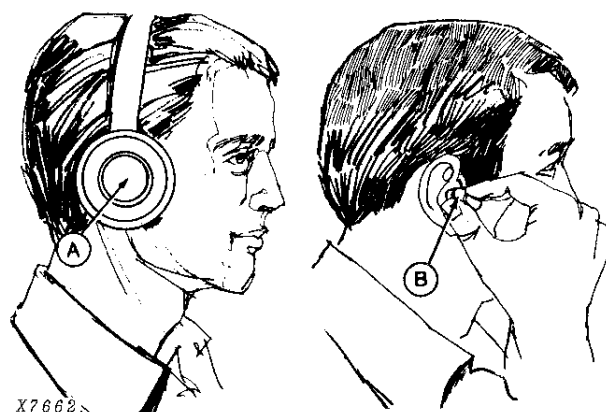
DISPOSE OF SPRAY CANS SAFELY

If spray can paint is used for protecting disk blades to be put in storage, be careful when discarding empty can. Do not incinerate or puncture can.

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.



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SERVICE TIRES SAFELY

2-4



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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 241 kPa (2.4 bar) (35 psi) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when maximum pressure is reached, deflate, reposition tire, relubricate bead, and reinflate.

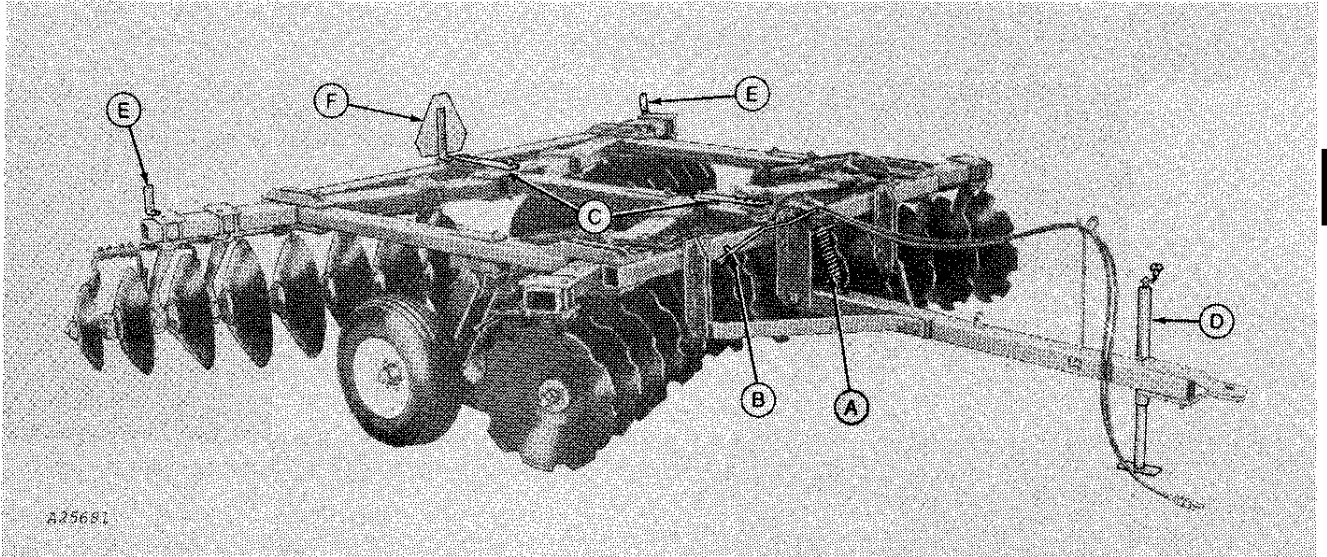
Detailed agricultural tire mounting instruction, including necessary safety precautions, are contained in John Deere Fundamentals of Service (FOS) Manual 55, Tires and Tracks, available through your John Deere dealer. Such information is also available from the Rubber Manufacturers Association and from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

DO NOT MODIFY DISK

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

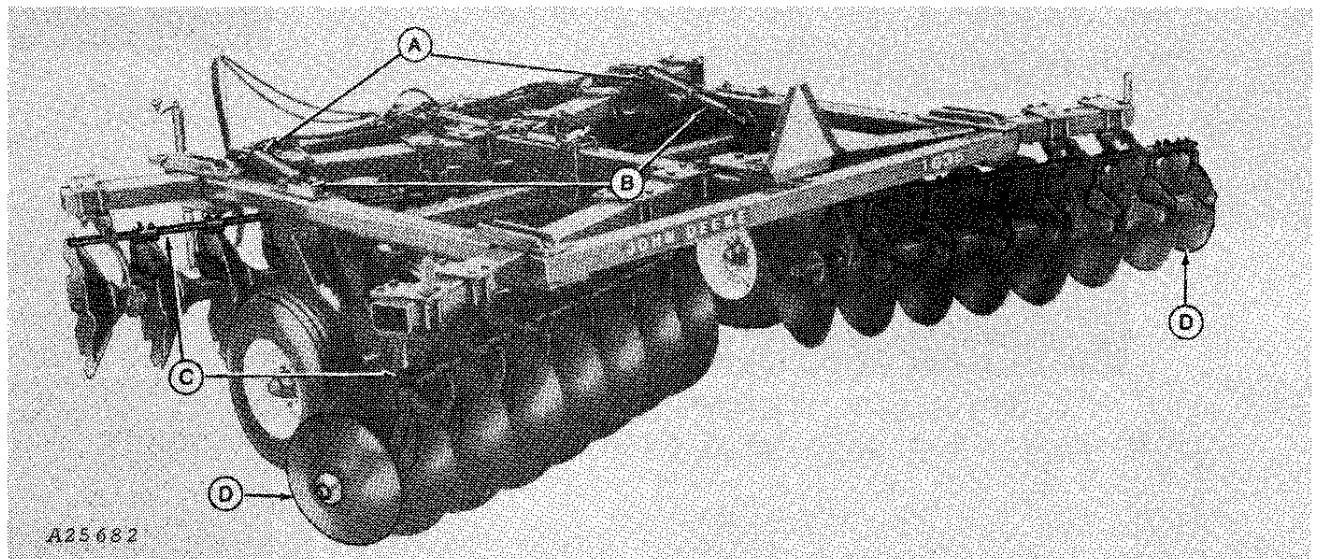


Identification Views



A—Leveling Spring
 B—Leveling and Gang Angling Crank

C—Gang Angle Straps
 D—Parking Jack
 E—Reflectors
 F—Slow Moving Vehicle (SMV) Emblem



A—Hydraulic Cylinders
 B—Transport Safety Locks

C—Scrapers
 D—Furrow Filler



Preparing the Tractor

DRAWBAR

Position drawbar in the lower position.

Secure the drawbar in the center of the drawbar support.

6

BALLAST, WHEEL SPACING AND TIRE INFLATION

To insure proper stability, adjust ballast, wheel spacing and tire inflation according to tractor operator's manual.

HYDRAULIC OIL LEVEL

NOTE: Tractor must be on level surface with engine stopped.

Check hydraulic oil level. If necessary, fill to proper level on dipstick.

ROCKSHAFT SELECTOR LEVER

Set the tractor rockshaft selector lever in the "min" position. Be sure rockshaft lever is set to keep 3-point hitch up at all times.

ROCKSHAFT OPERATING LEVER HEIGHT STOP (4640, 4650, 4840, 4850, 8440, 8450, 8640, and 8650 TRACTORS)

If the tractor rockshaft is accidentally lowered with a quick-coupler hitch on the tractor, damage can occur to the disk hitch when turning the tractor.

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



Preparing the Disk

TIRE INFLATION

Inflate disk tires to 210 kPa (2.1 bar) (30 psi) of air pressure.

LUBRICATION

Lubricate disk as instructed on pages 21-22.

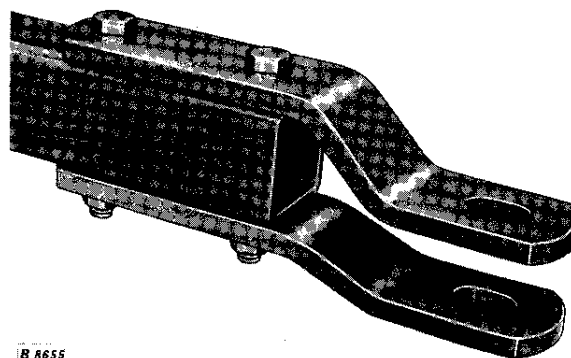
HARDWARE

Be certain all pins and cotter pins are in place. Spread cotter pins.

Make sure cap screws and nuts are tight. See bolt torque chart on page 23.

PREPARING HITCH

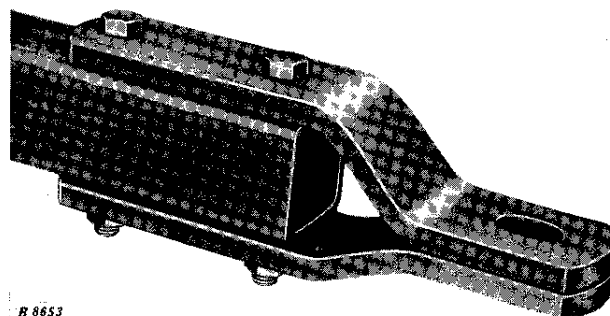
Position disk hitch as shown for tractors equipped with straight drawbars.



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Position disk hitch as shown for tractors equipped with clevis drawbars.



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B 8653



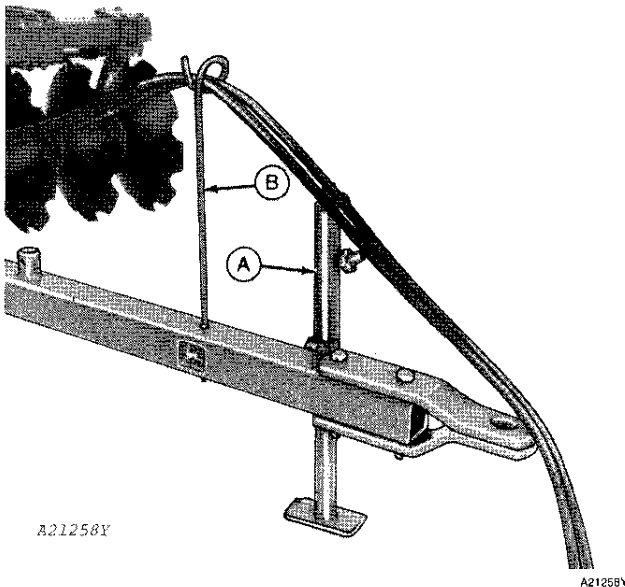
Attaching to Tractor

ATTACHING TO DRAWBAR

Back the tractor up to the disk.

Raise the disk hitch to tractor drawbar height with jack (A).

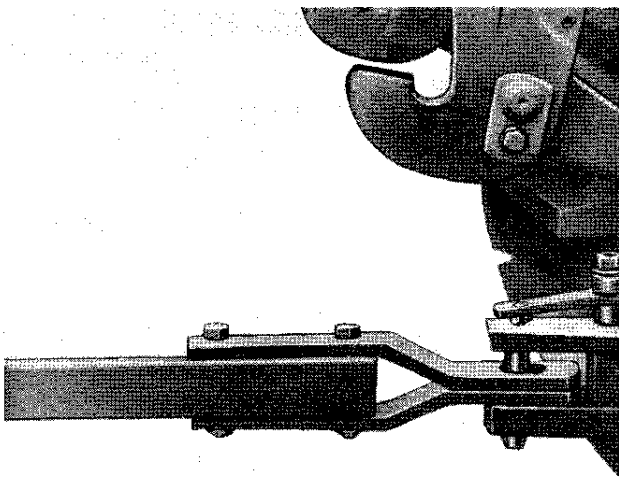
Place the hydraulic hoses in hose support (B).



8-10

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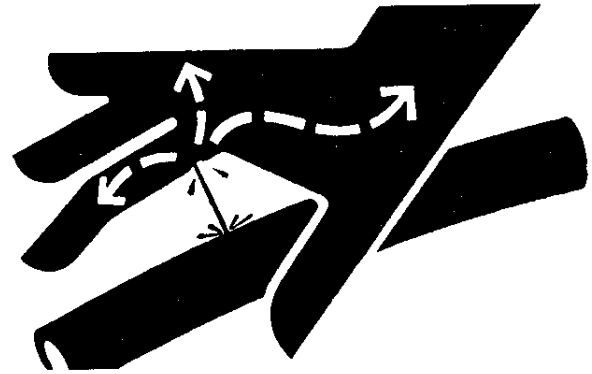
A16180Y

Attach the disk to the tractor with a drawbar pin. Secure the drawbar pin with the pin retainer.

INSTALLING HYDRAULIC HOSES

CAUTION: Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard or paper to search for leaks. Do not use your hand.

If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type injury or gangrene may result.



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Shut off tractor. Move remote cylinder operating lever in both directions to relieve hydraulic pressure. Install the hydraulic hoses in the tractor breakaway couplers as shown.

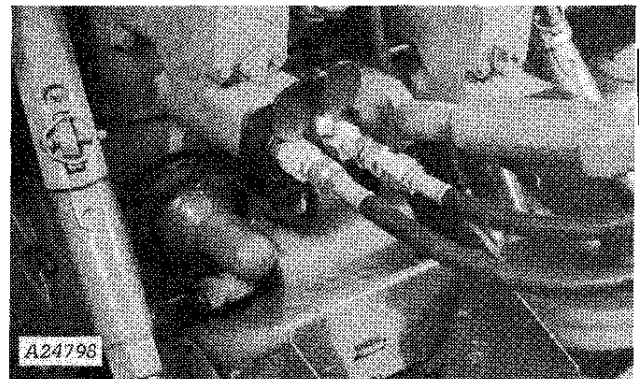
Start tractor engine and raise and lower the disk. Check all hydraulic connections and hoses for leaks.

The disk should raise and lower smoothly. If it does not, bleed the hydraulic system of trapped air.

NOTE: *If the hoses have been disconnected from the hydraulic cylinders or if the cylinders have not been used before, all trapped air must be removed from the cylinders.*

To bleed air from the hydraulic cylinders and hoses, raise and lower the disk several times until it raises and lowers smoothly.

IMPORTANT: Be certain to check tractor hydraulic oil level after filling cylinders with oil for the first time.



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