

555 OFFSET DISK



OPERATORS MANUAL

555 OFFSET DISK

OMA47556 H3 English

**JOHN DEERE PLOW
& PLANTER WORKS
OMA47556 H3**

LITHO IN THE U.S.A.
ENGLISH



INTRODUCTION



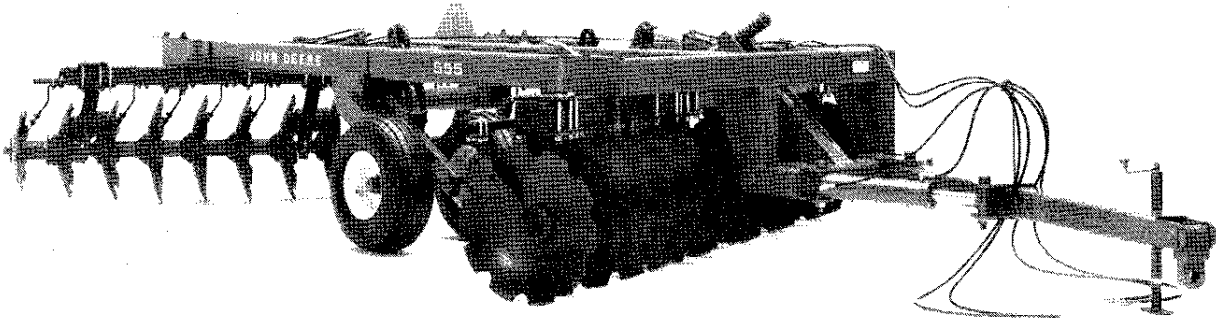
This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

“Right-hand” and “left-hand” sides are determined by facing in the direction the disk will travel when in use.

Record your disk model and serial number in the space provided on page 52.

The general disk warranty 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.



A26495

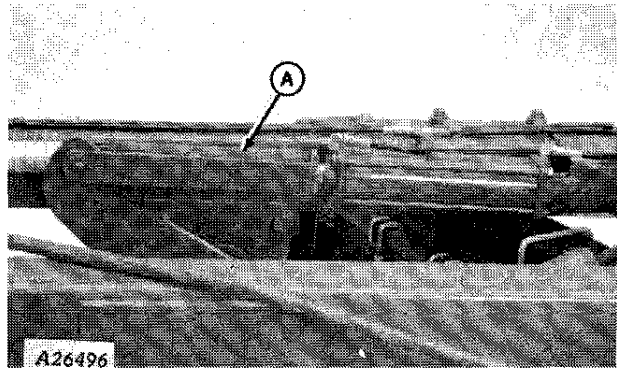
Contents

	Page
SAFETY	2-5
PREPARING THE TRACTOR	6-7
PREPARING THE DISK	8
ATTACHING AND DETACHING	9-11
TRANSPORTING	12-14
OPERATING THE DISK	15-24
ATTACHMENTS	25
LUBRICATION	26-29
TROUBLE SHOOTING	30-33
SERVICE	34-49
STORAGE	50
SPECIFICATIONS	51-52
INDEX	53

Safety

TRANSPORT SAFELY

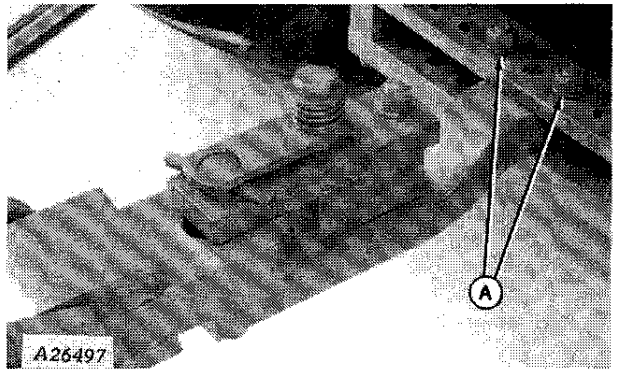
Before transporting the disk, fully extend the lift cylinders and install transport locks (A). Secure locks with locking pin.



A26496

AD0;A26496 B04;;14SA A 050583

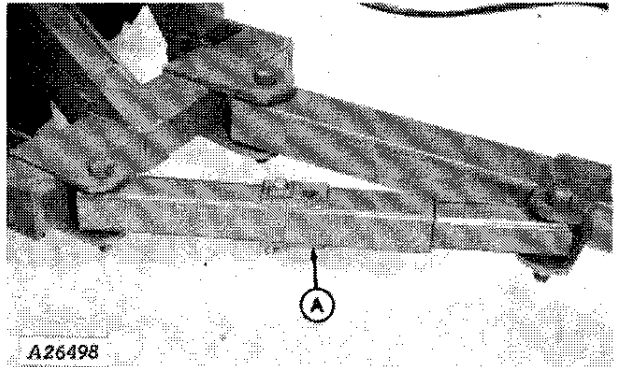
Lock tractor drawbar in the center position with locking bolts (A).



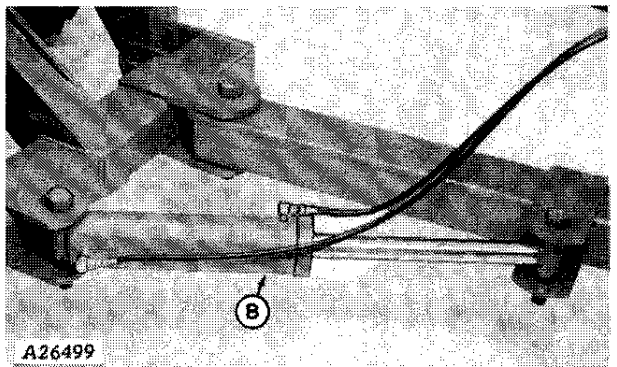
A26497

AD0;A26497 B04;;14SA B 050583

Fully extend disk hitch link (A) or hydraulic cylinder (B).



A26498



A26499

AD0;A26498, A26499 B04;;14SA C 050583

Safety

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

Use of flashing warning lights and turn signals are recommended when towing this equipment on public roads unless prohibited by state or local regulations. An implement safety lighting kit is available from your John Deere dealer.

When transporting the equipment 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 devices are available from your John Deere dealer.

AD0; B04;;14SA D 050583

OPERATE THE DISK SAFELY

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

Only one person, the operator, should be permitted on the tractor platform while tractor and disk are in operation.

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

Do not leave the disk in the raised position when it is not in use. Always lower it to the ground.

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

AD0; B04;;14SA E 050583

Safety

LUBRICATE THE DISK SAFELY

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

AD0; B04;;14SA F 050583

DISPOSE OF SPRAY CANS SAFELY

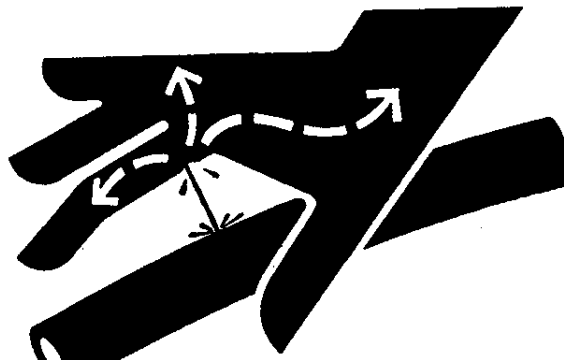
If spray can paint is used for protecting disk blades to be put in storage, be careful when discarding empty can. Do not incinerate or puncture can.

AD0; B04;;14SA G 050583

AVOID HIGH PRESSURE FLUIDS

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.



AD0;X9811 B04;;14SA H 050583

B08;P04 080783

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.



AD0;X7662 B04;;14SA I 100583

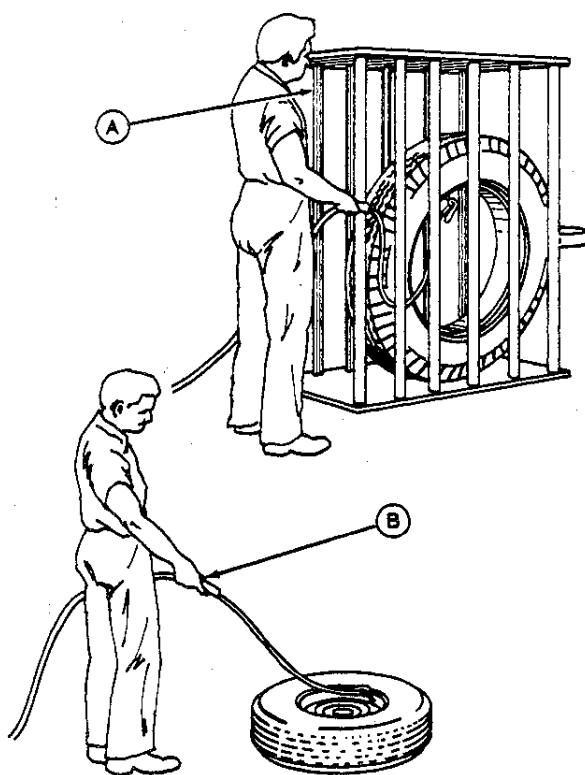
SERVICE TIRES SAFELY

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 (241 kPa) (2.4 bar) 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 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.

- A—Use a safety cage if available.
- B—Do not stand over tire. Use a clip-on chuck and extension hose.



AD0;TS0123 B04;;14SA J 100583

DO NOT MODIFY THE DISK

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

AD0; B04;;14SA K 100583

B08;P05 080783

Preparing the Tractor

POSITIONING DRAWBAR

The offset on tractor drawbar can be placed in either the up or down position. Locate drawbar in the down position for hard ground conditions (disking stalks or primary disking) or when maximum weight is needed for penetration.

Place drawbar in the up position for light soil and when depth gauging.

When transporting, pin drawbar in the center position.

When operating the disk, center drawbar in drawbar support. Remove the locking bolt on the left side so drawbar can swing freely to the left.

ADO; B04;;14PT A 100583

CHECKING BALLAST, WHEEL SPACING AND TIRE INFLATION

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

ADO; B04;;14PT B 100583

CHECKING 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.

AD0; B04;;14PT C 100583

ROCKSHAFT OPERATING LEVER HEIGHT STOP (8440, 8450, 8640, 8650 AND 8850 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.

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

AD0; B04;;14PT D 100583

Preparing the Disk

CHECKING TIRE INFLATION

Inflate disk tires to 45 psi (300 kPa) (3.0 bar) of air pressure.

ADO; B04;;14PI A 100583

LUBRICATION

Lubricate the disk. (See Lubrication section.)

ADO; B04;;14PI B 100583

TIGHTENING HARDWARE

Check for loose bolts or parts when lubricating the disk. (See Bolt Torque chart in Service section.)

ADO; B04;;14PI C 100583

Attaching and Detaching

ATTACHING TO TRACTOR

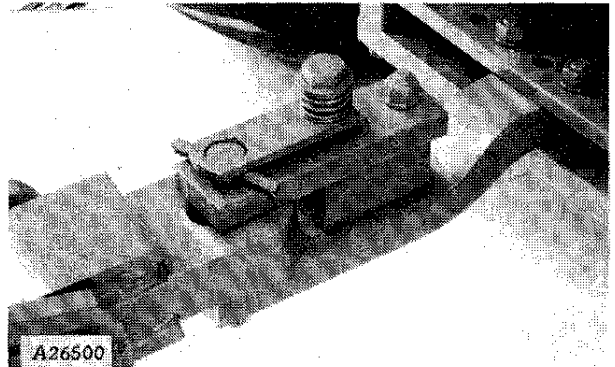
Align tractor drawbar with hitch by raising or lowering hitch jack.

Back up tractor and install drawbar 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 or detaching hoses from the breakaway couplers.

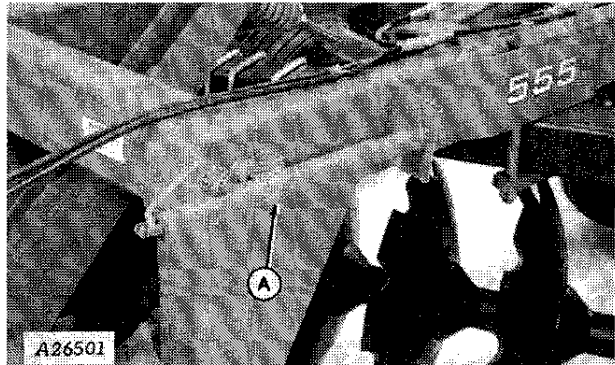
NOTE: Not necessary to turn off tractor if attaching disk to John Deere 50 Series tractor.

Install hydraulic hoses into tractor breakaway couplers.



AD0;A26500 B04;14AD A 100583

Remove hitch jack (A) from hitch and attach to transport bracket with locking pin.



AD0;A26501 B04;14AD B 100583

CHECKING HYDRAULIC SYSTEM

⚠ 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.

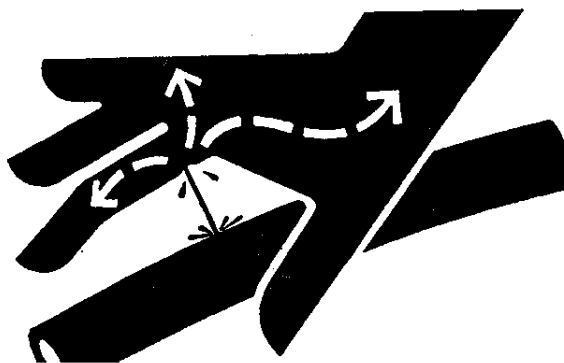
If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type injury or gangrene may result.

After applying pressure to the system, check all hydraulic connections and hoses for leaks.

The disk should raise and lower smoothly. If not, it may be necessary to bleed the hydraulic system of trapped air.

To bleed air from the hydraulic cylinders and hoses, it may be necessary to raise and lower the disk several times until all air is removed.

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



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