



370 SWINGER DISK



OPERATORS MANUAL 370 SWINGER DISK

OMA32066 B7 English

OMA32066 B7

LITHO IN THE U.S.A.
ENGLISH





To the Purchaser

This new disk 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 service. Read "Contents" to learn where each section is located.

In addition to the equipment furnished with your disk, 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 disk will travel when in use.

Record your disk serial number in the space provided on page 36. Your dealer needs this information

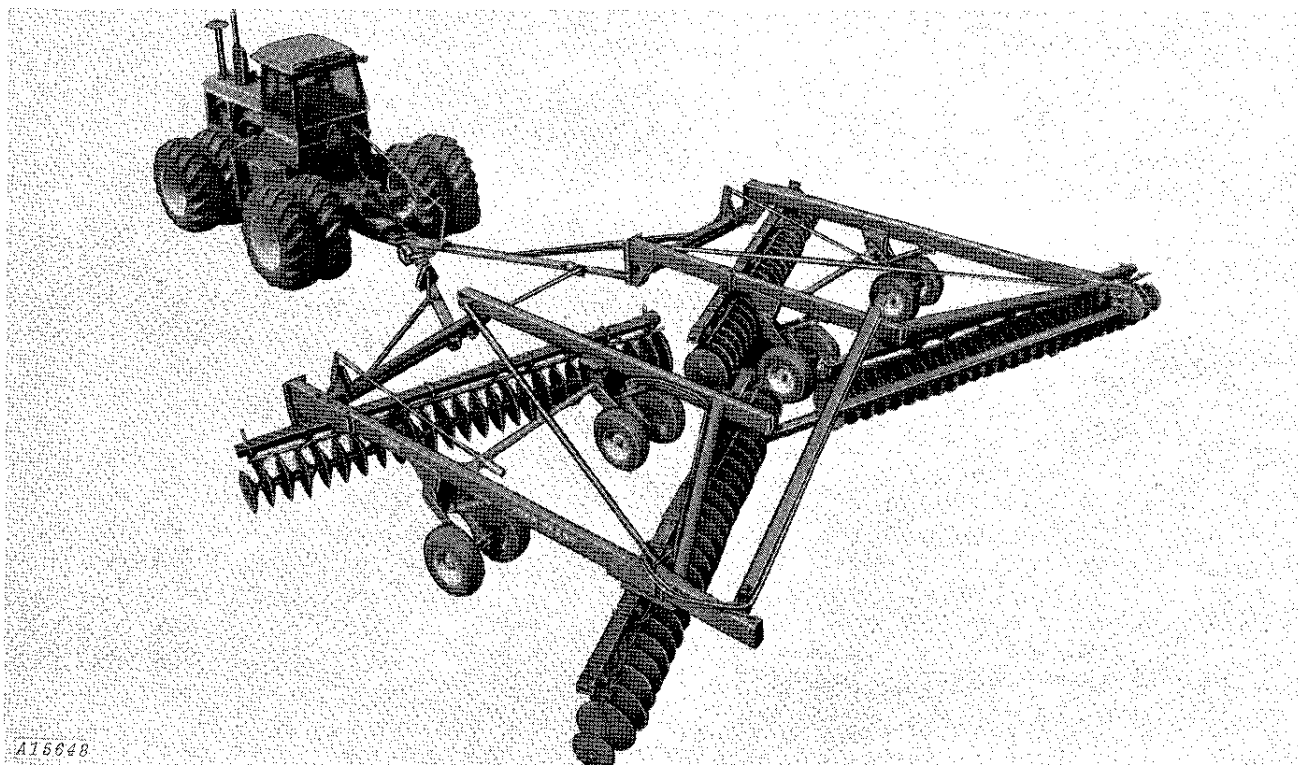
to give you prompt, efficient service when you order parts or attachments. If your disk requires replacement parts, go to your John Deere dealer where you can obtain genuine John Deere parts—accept no substitutes.

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 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 worldwide, 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.



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Safety Suggestions

GENERAL

2

 The safety of the Operator was one of the prime considerations in the minds of John Deere engineers when this disk was designed.

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.

OPERATION

Be careful when operating the disk to avoid injury.

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.

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

When removing self-adjusting scrapers for any reason, always remove scraper which has spring attached to upper portion of tension lever first. See pages 16-17. When installing scrapers always install this scraper last. Wear protective gloves to help prevent injury from cutting edges of disk blades or scraper blades.

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

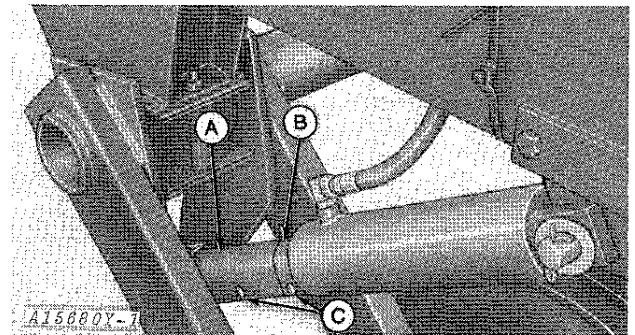
TRANSPORTING

If tractor is equipped with swinging drawbar, be certain to lock drawbar in a fixed position before transporting.

When transporting the disk on a smooth surface road, do not exceed maximum tractor transport speed of 20 mph (32 km/h). Reduce speed considerably when traveling over rough ground.

Reduce speed before turning sharply. Always drive at speeds slow enough to insure your safety.

When transporting 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. Lights and devices may be obtained from your John Deere dealer.



A - Transport Stop - 9 inch
(230 mm) long

B - Depth Stop - 2-1/2 inch
(65 mm) long

C - Retaining Pins

Before transporting the disk, fully extend the hydraulic cylinders and install stops (A and B) on cylinder rods as shown. Secure stops with retaining pins (C) and spring locking pins. Relax cylinders to prevent damage to cylinders.

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.

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.



Preparing for Use

PREPARING THE DISK

Lubricate the disk as instructed on page 20.

Be certain all bolts are tightened securely. See torque chart on page 21.

Inflate the 8 ply-rated disk tires to 40 psi (2.8 bar [2.8 kg/cm²]) of air pressure.

PREPARING THE TRACTOR

General

For complete tractor operating instructions, refer to your tractor operator's manual.

Tire Inflation

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

Wheel Weighting

Wheel weights may be necessary to eliminate excessive wheel slippage or for stability in rough or hillside fields. However, weights should not be added to the point where all slippage is eliminated. To do so would hinder maximum performance of the tractor.

For maximum recommended wheel ballast see your tractor operator's manual.

Tractor Drawbar

Be certain tractor drawbar has offset in upper position.



CAUTION: Pin drawbar so it will not swing when transporting.

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Rockshaft Selector Lever

Set the tractor rockshaft selector lever in the zero, "min", or "D" position, depending upon your model tractor. Be sure rockshaft lever is set to keep 3-point hitch up at all times.

Rockshaft Height Stop (8430 and 8630 Tractors)

If the tractor rockshaft is accidentally lowered with a Quik-Coupler hitch on the tractor, damage can occur to the 370 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.



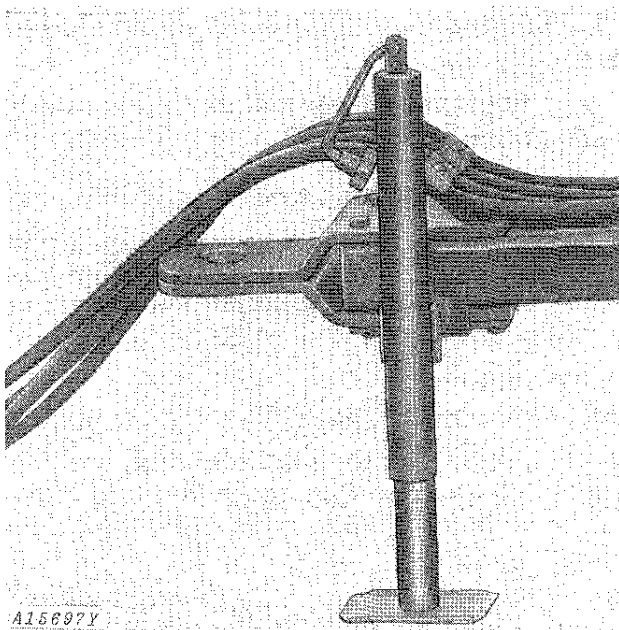
Attaching and Detaching

ATTACHING TO TRACTOR

Back tractor into position and attach to disk with drawbar pin (A). Secure drawbar pin with pin retainer.

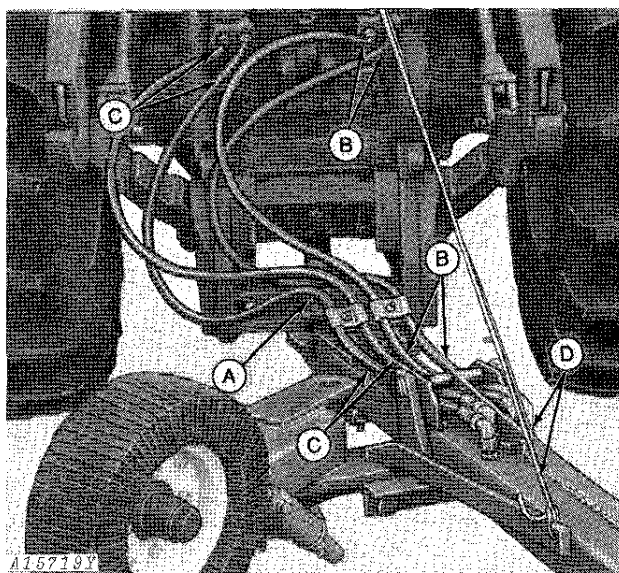
CAUTION: To avoid injury from escaping hydraulic oil under pressure, relieve the pressure in the system by shutting off tractor engine and moving remote cylinder operating levers in both directions before attaching hoses to breakaway couplers.

Install hoses (C) from left-hand frame cylinders in tractor breakaway coupler No. 1. Install hoses (B) from right-hand frame cylinders in tractor breakaway coupler No. 2. Position hoses in each coupler so cylinders will extend, lifting disk when remote cylinder operating levers are moved rearward.

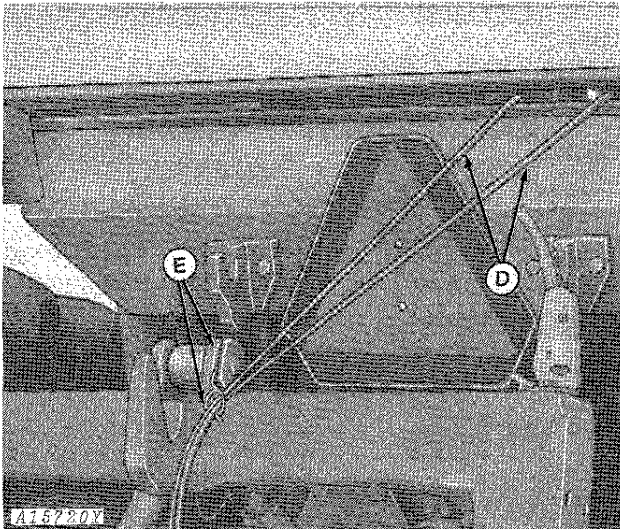


Back the tractor up to the disk.

Raise hitch to drawbar height with jack.



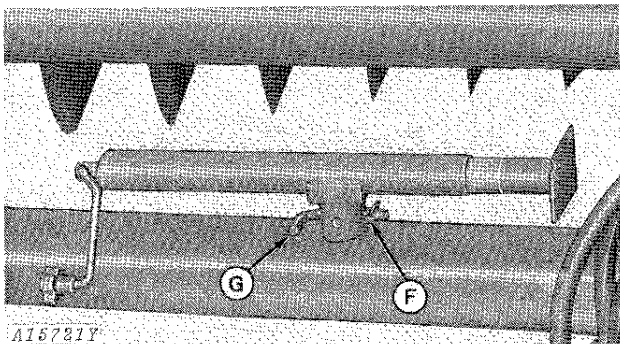
- A - Drawbar Pin
- B - Right-Hand Frame Cylinder Hoses
- C - Left-Hand Frame Cylinder Hoses
- D - Latch Ropes



D - Latch Ropes

E - Rope Clips

Place the rope clips (E) on tractor center link pin as shown above. Route the latch ropes through the rope clips and to a convenient location near the tractor seat.



F - Quik-Lock Pin

G - Retaining Pin

Remove jack from drawbar by lowering jack, removing Quik-Lock pin (F) and retaining pin (G). Install jack on storage bracket (located on hitch cross tube) and secure with retaining pin and Quik-Lock pin.

CHECKING HYDRAULIC SYSTEM

After attaching disk 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.

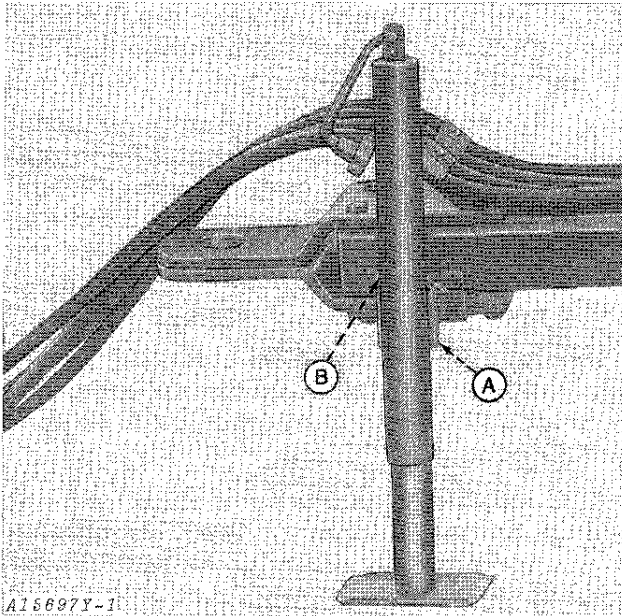
If injured by escaping hydraulic oil, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

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

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 from the hydraulic hoses.

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

DETACHING FROM TRACTOR



4-6

A - Quik-Lock Pin

B - Retaining Pin

Lower disk to ground with remote cylinder operating levers. Relieve hydraulic pressure from system by shutting off tractor engine and moving remote cylinder operating levers in both directions.

Remove hoses from breakaway couplers.

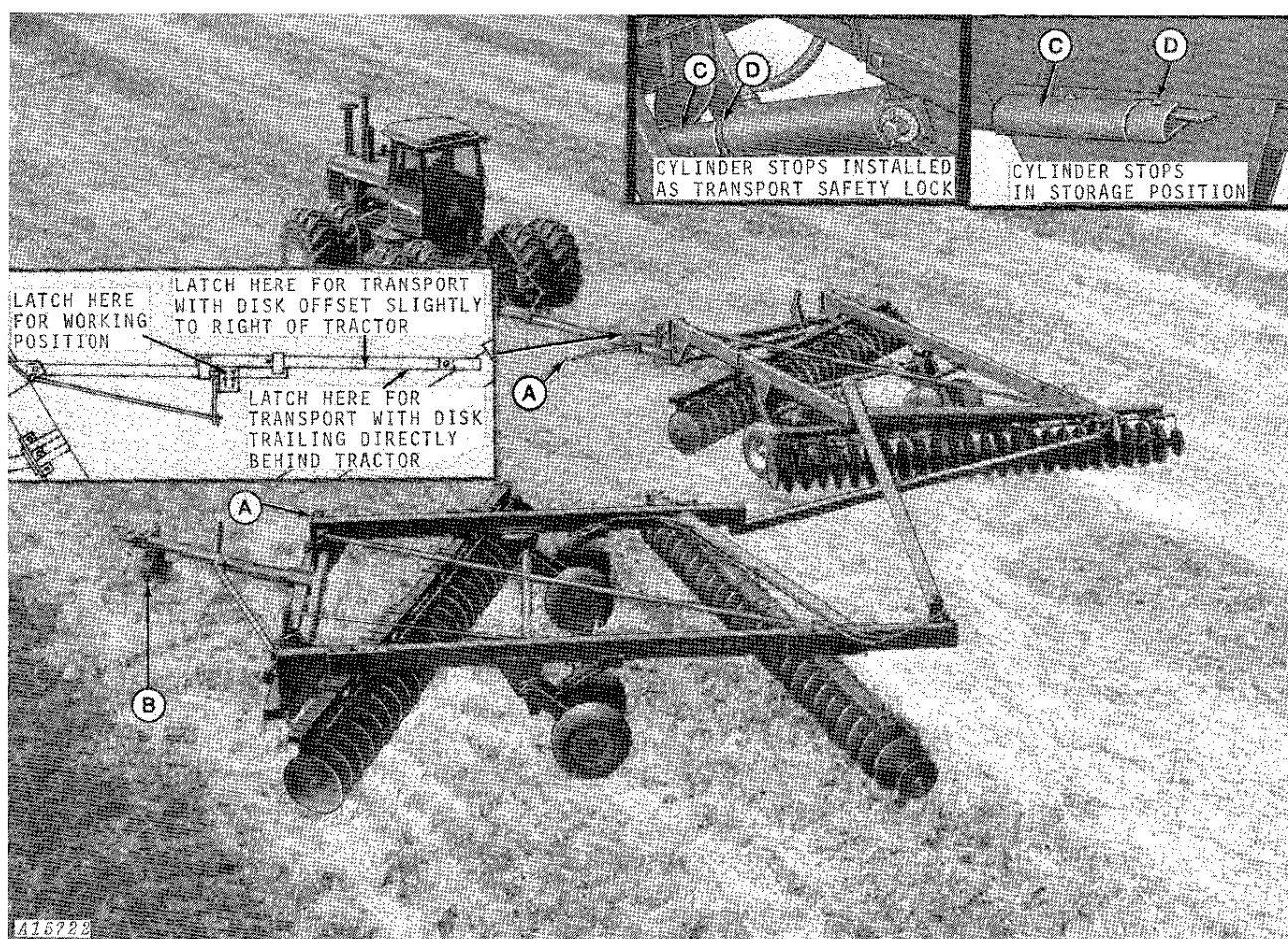
Remove jack from storage bracket and attach to the disk drawbar and secure with retaining pin (B) and Quik-Lock pin (A). Raise jack until the hitch clevis is free of tractor drawbar.

Remove drawbar pin and drive tractor forward away from hitch.



Transporting

PUTTING THE DISK IN TRANSPORT FROM WORKING POSITION



A - Spring-Action Hitch Couplers
B - Caster Wheel

CAUTION: Be sure tractor drawbar is locked in a fixed position before transporting.

NOTE: Disk should be coupled or uncoupled on firm ground.

Raise disk by pulling both remote cylinder operating levers rearward.

Lower the caster wheel (B) into operating position shown in illustration above. See page 9 for proper adjustment of caster wheel. Secure with retainer pin and Quik-Lock pin.

Pull latch rope (yellow) to release front latch.

Lower right-hand disk frame slightly and back tractor slightly to allow left-hand hitch to unhook.

Pull latch rope (blue and white) to release latch on telescoping hitch.

C - Transport Stop - 9-inch (230 mm) long
D - Depth Stop - 2-1/2-inch (65 mm) long

Turn tractor to the right and drive ahead to close telescoping hitch link and to allow left-hand frame to swing behind right-hand frame.

If difficulty is encountered in closing the telescoping hitch link, lower the left-hand frame until blades just touch the ground to provide sufficient resistance. After telescoping link has closed to transport position, raise disk fully.

Remove all stops (C and D) from their storage position on the right- and left-hand frames.

Install stops (C and D) on right- and left-hand cylinder rods as shown and secure with pins and spring locking pins.

IMPORTANT: When turning right in transport, do not turn so sharply that lower cross link will hit the frame.

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