

# **JOHN DEERE 360 SWING-AROUND DISK**



## **OPERATORS MANUAL JOHN DEERE 360 SWING-AROUND DISK**

OMA34834 G7    English

**OMA34834 G7**

LITHO IN THE U.S.A.  
ENGLISH





## To the Purchaser

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This new disk was carefully designed and manufactured to give years of dependable service. To keep it operating 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 "Attachments" 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 numbers in the space provided on page 37. 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 world-wide, 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.



# Contents

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Page	
2	Safety Suggestions
3	Identification Views
4	Preparing for Use
5-7	Attaching and Detaching
8-10	Transporting
11-17	Operating Adjustments
18-19	Attachments
20-21	Lubrication
22-34	Service
35-36	Trouble Shooting
37	Specifications
38	Index



# 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

When hitching the tractor to the disk, back the tractor past the clevis. Then move forward so that in making the connection the tractor will be moving away from you.

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.

## SERVICE

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

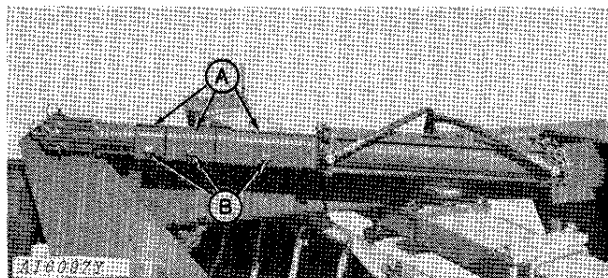
When removing self-adjusting scrapers for any reason, always remove scraper which has spring attached to upper portion of tension lever first. See pages 16-17. When installing scrapers always install this scraper last. Wear protective gloves to help prevent injury from cutting edges of disk blades or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

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

## TRANSPORTING

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.

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—Depth Stops

B—Retaining Pins

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

## HYDRAULIC OIL

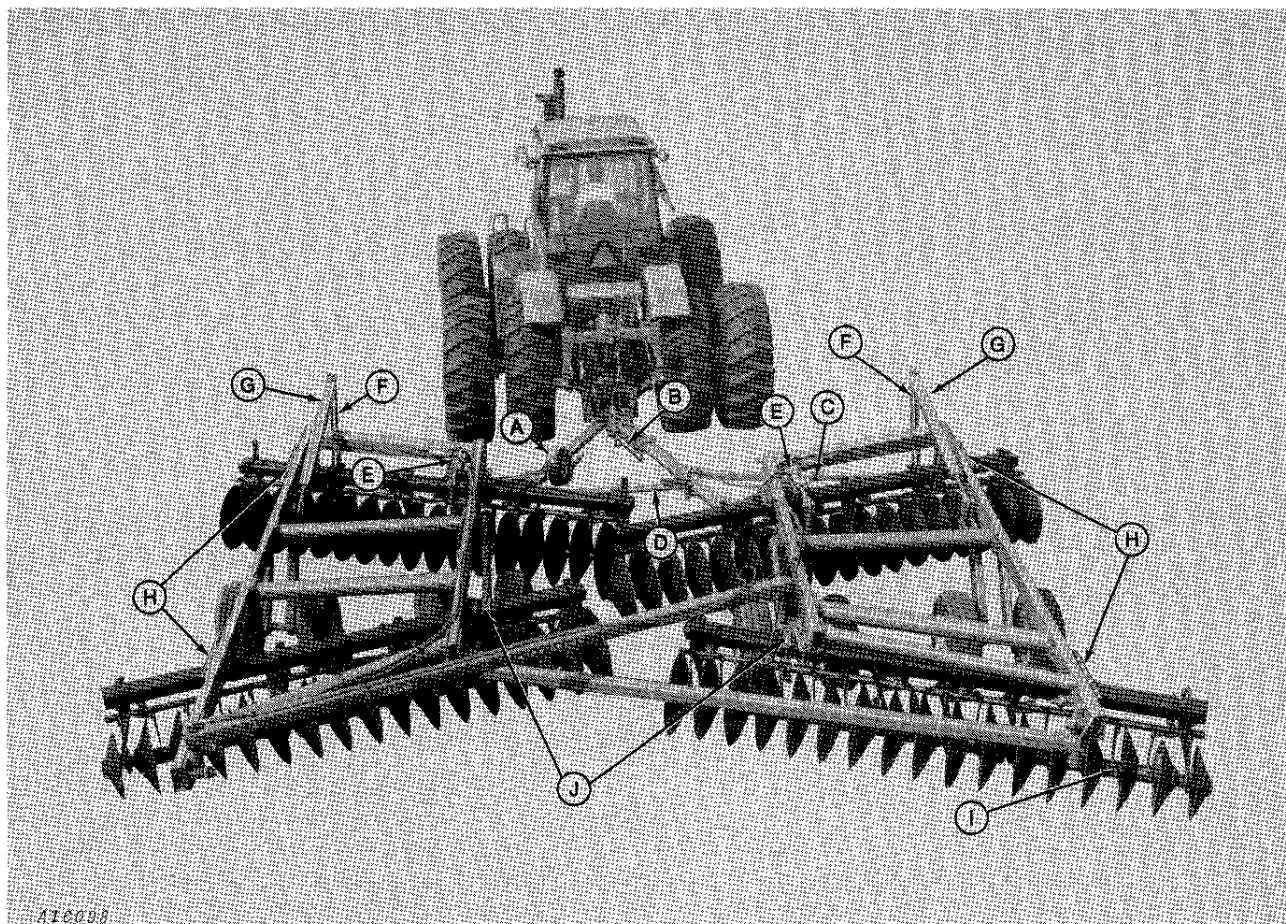
Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system be sure all connections are tight and that lines, pipes, and hoses are not damaged.

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.



# Identification View



A—Caster Wheel  
B—Jack  
C—Telescoping Hitch Drawbar Link  
D—Spring-Action Hitch Coupler  
E—Wheel Frame Cylinder

F—Hitch Mast  
G—Leveling Spring Assembly  
H—Gang Adjusting Straps  
I—Self-Adjusting Scrapers  
J—Rear Gang Locator Clamps

*John Deere 360 Swing-Around Disk*



# Preparing For Use

## GENERAL

Your new disk is fully adjustable and, when properly adjusted will do a good job of disking at a minimum of expense. A well-adjusted disk levels the soil uniformly and leaves it in proper condition for the best type of seedbed.

Improper adjustment results in rapid wear, possible breakage of parts, and inefficient operation.

4

## PREPARING THE DISK

Inflate the disk tires to 30 psi (2.1 bar) (2.1 kg/cm<sup>2</sup>) of air pressure.

Lubricate the disk as instructed on pages 20-21.

Be certain all bolts are tightened securely. See torque chart on page 22.

## PREPARING THE TRACTOR

### General

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

### 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 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.

### Tire Inflation

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

### Tractor Drawbar

Be certain tractor drawbar has offset in upper position. Drawbar may be allowed to swing free when disking.



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

### Rear Wheel Weighting

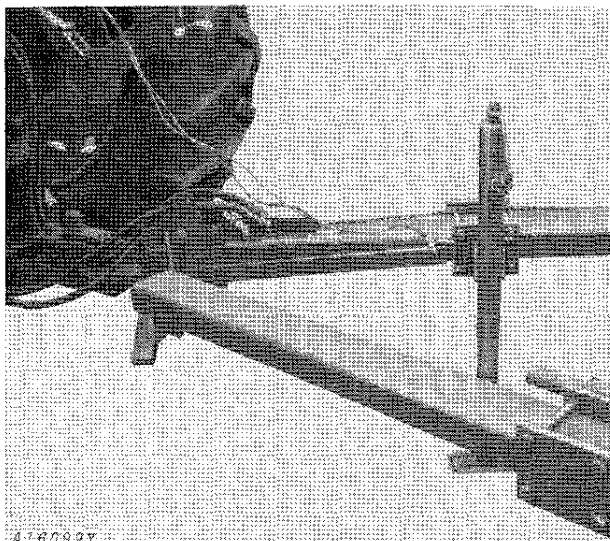
Rear wheel weights may be necessary to eliminate excessive wheel slippage or for stability in rough or hillside fields. However, weights should not be added to the point where all slippage is eliminated. To do so would hinder maximum performance of the tractor.

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



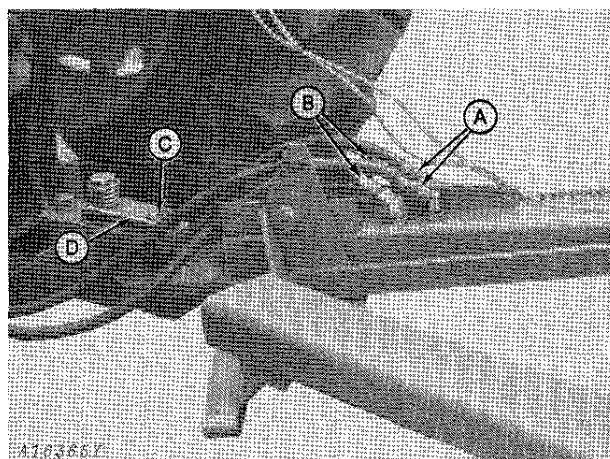
# Attaching and Detaching

## ATTACHING TO TRACTOR



Back the tractor up to the disk.

Raise hitch to drawbar height with jack.



A—Right Frame Cylinder Hoses  
B—Left Frame Cylinder Hoses

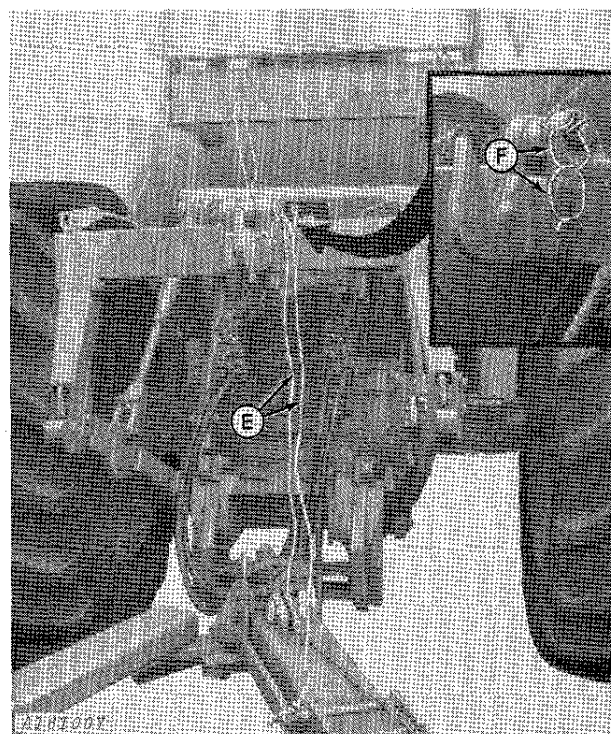
C—Drawbar Pin  
D—Retainer

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

**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 left-hand frame cylinder hoses "B" in left-hand tractor breakaway coupler. Install right-hand frame cylinder hoses "A" in right-hand tractor breakaway coupler.

Position hoses in each coupler so cylinders will extend, (lifting disk), when remote cylinder operating levers are moved rearward.

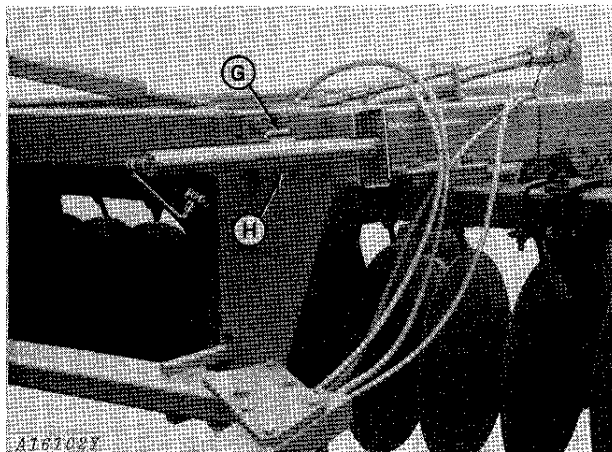


E—Latch Ropes

F—Rope Clips

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

## 6 Attaching and Detaching



G—Retaining Pin

H—Quik-Lock Pin

5-7

Remove jack from drawbar by lowering jack, removing Quik-Lock pin (H) and retaining pin (G). Install jack on storage bracket (located on right inside hitch support) 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.

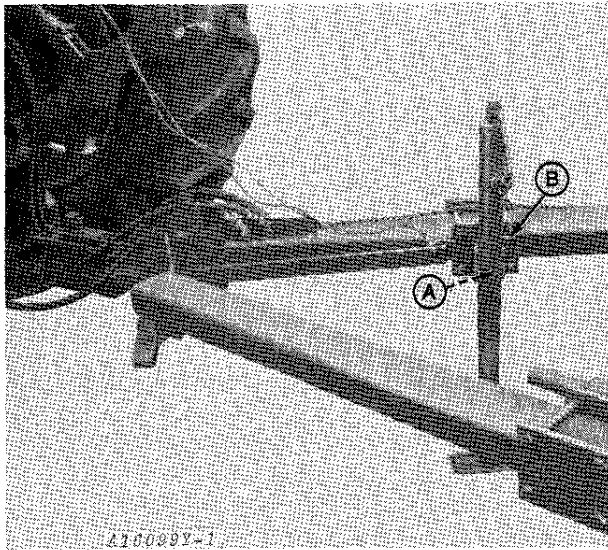
*NOTE: If the hoses have been disconnected from the hydraulic cylinder or if the cylinder has not been used before, all trapped air must be removed from the cylinder.*

*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



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.

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