

1630 and 1640 Disks

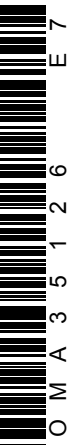


OPERATORS MANUAL 1630 and 1640 Disks

OMA35126 Issue E7 English

**John Deere Plow & Planter Works
OMA35126 Issue E7**

LITHO IN U.S.A.
ENGLISH





To the Purchaser


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 29. 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.



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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

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.

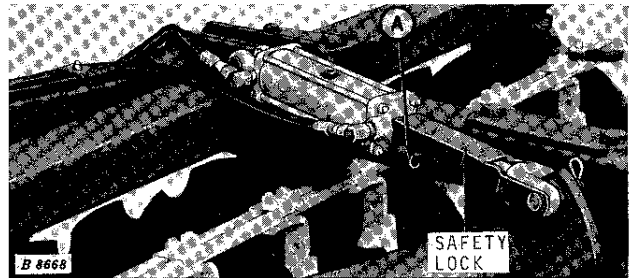
Never clean, lubricate, or adjust a machine that is in motion.

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—Spring Locking Pin

Before transporting the disk, fully extend the hydraulic cylinders and position safety locks as shown, then relax cylinder to prevent damage to cylinder. Install spring locking pin (A).

HYDRAULIC OIL

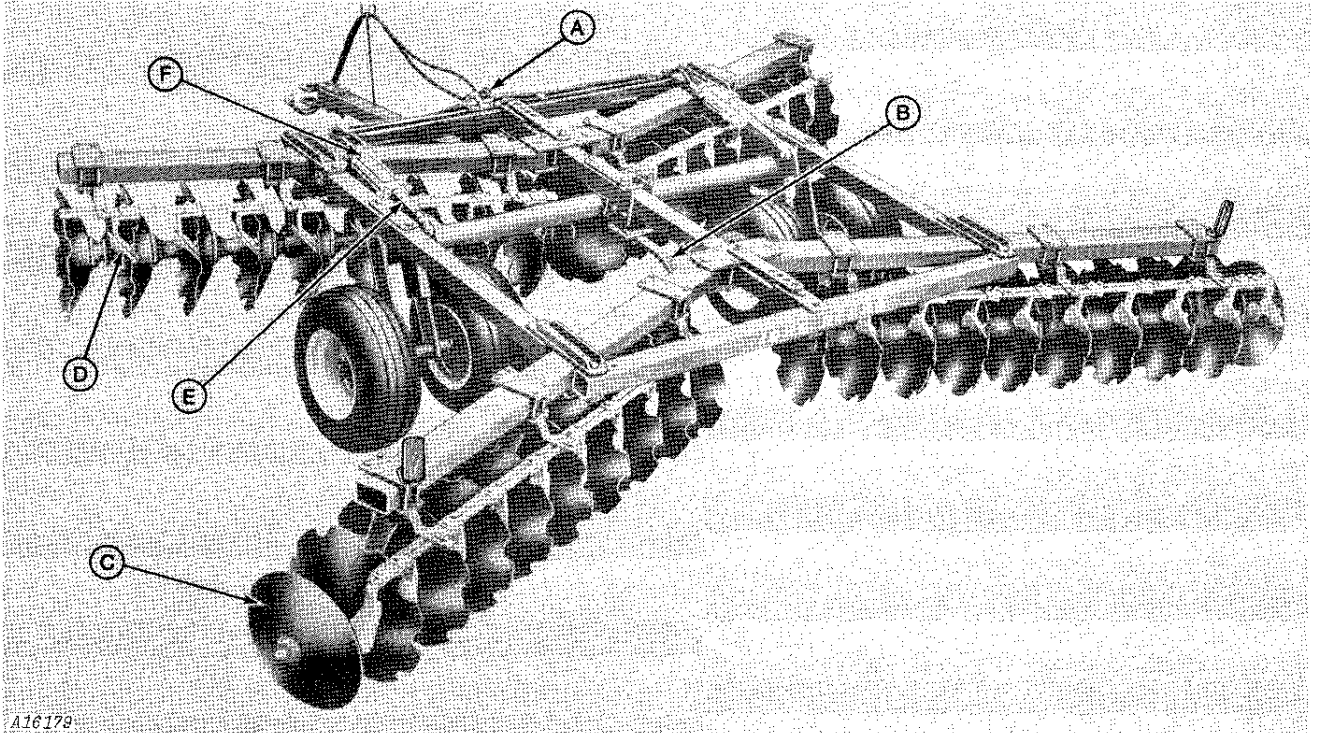
Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system be sure all connections are tight and that lines, pipes, and hoses are not damaged.

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 Views



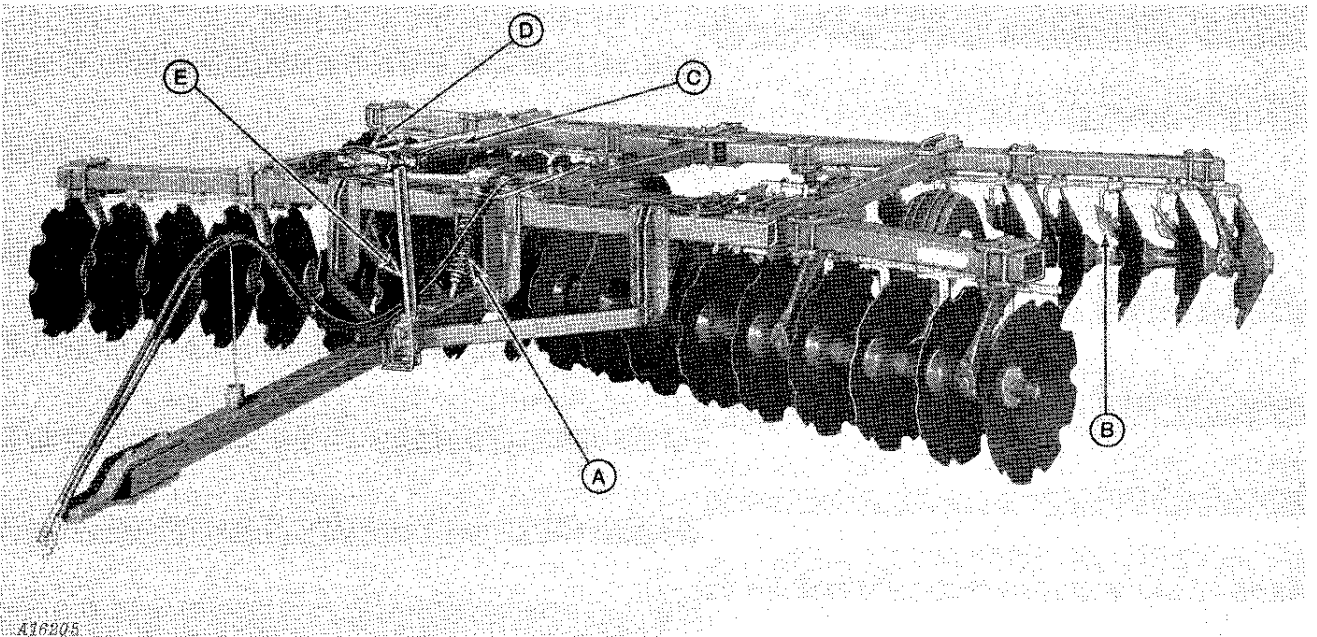
A16179

A—Leveling Screw
B—Middlebreaker

C—Furrow Filler
D—Scraper

E—Safety Lock
F—Hydraulic Cylinder

1630 Disk



A16205

A—Leveling Screw
B—Scraper

C—Safety Lock

D—Hydraulic Cylinder
E—Parking Stand

1640 Disk



Preparing for Use

GENERAL

Your new disk is fully adjustable and, when properly adjusted to operate in the type soil and field conditions on your farm, 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.

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

PREPARING THE DISK

Inflate the disk tires to 30 psi (2.1 bar) (2.1 kg/cm²) of air pressure.

Lubricate the disk as instructed on page 16.

Be certain all bolts are tightened securely. See torque chart on page 17.

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 Operating Lever Height Stop (4630, 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

Place tractor drawbar in the low position.

Rear Wheel Weighting

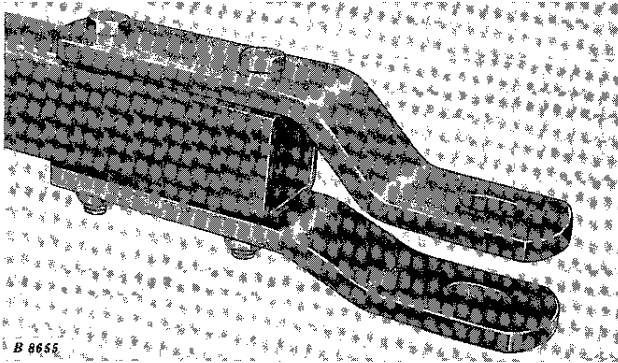
Rear wheel weights may be necessary to eliminate excessive wheel slippage or for stability in rough or hillside fields. However, weights should not be added to the point where all slippage is eliminated. To do so would hinder maximum performance of the tractor.

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

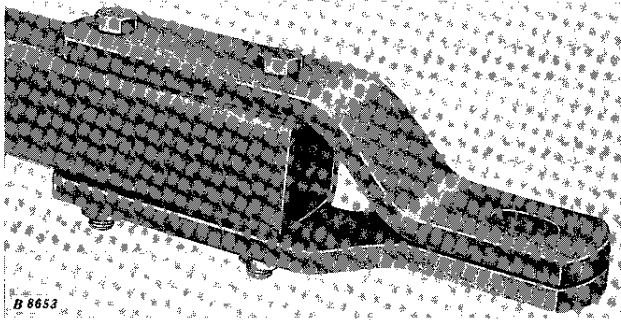


Attaching and Detaching

ATTACHING TO THE TRACTOR



Position of Disk Hitch when Tractor is Equipped with a Straight Drawbar

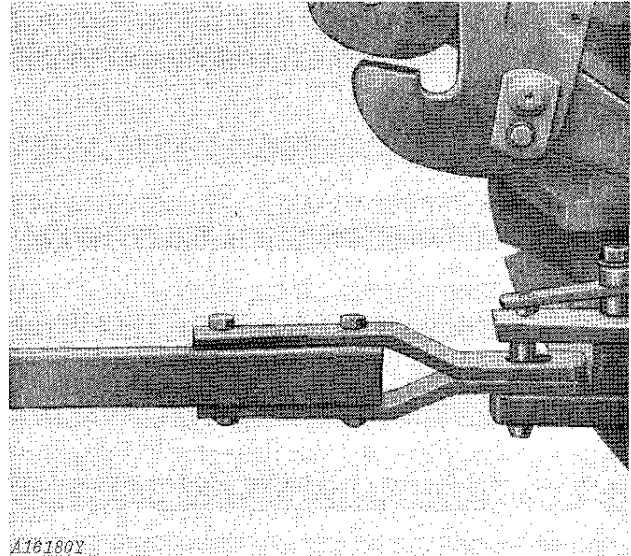


Position of Disk Hitch When Tractor Is Equipped With a Clevis Drawbar

Position hitch as illustrated above for tractors with straight or clevis drawbars.

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

Raise the disk to transport position with the remote cylinder operating lever and back the tractor up to the disk. Place the hydraulic hoses in the hose holder.



5-6

CAUTION: When attaching the tractor to the disk, back the tractor past the disk hitch. Then move forward so that in making the connection, the tractor will be moving away from you.

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

On 1640 Disk, raise parking stand.

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