



A W Disk Harrow



JOHN DEERE

OPERATORS MANUAL

A W Disk
Harrow

OMB25036 H9 English



OMB25036 H9

LITHO IN U.S.A.
ENGLISH



to the purchaser

Your new disk harrow is sturdy and dependable. It will give long and efficient service if given proper care and operation.

This operator's manual is provided to furnish information on the proper operation, adjustment, maintenance, and lubrication of your new disk harrow.

When in need of parts, see your John Deere dealer. He will furnish genuine John Deere Parts and prompt and efficient service in the field or in the shop.

Right-hand and left-hand reference is determined by standing at the rear of the disk harrow and facing the direction of travel.

Study this manual carefully. Keep it handy, in a safe place, for future reference.

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

Serial Number

When ordering parts, refer to the model and serial number. By doing so, you will assist your John Deere dealer in giving you prompt, efficient service.

The serial number plate is located on the front gang frame tie plate.

Record the serial number and purchase date in the spaces provided below.

Serial No.

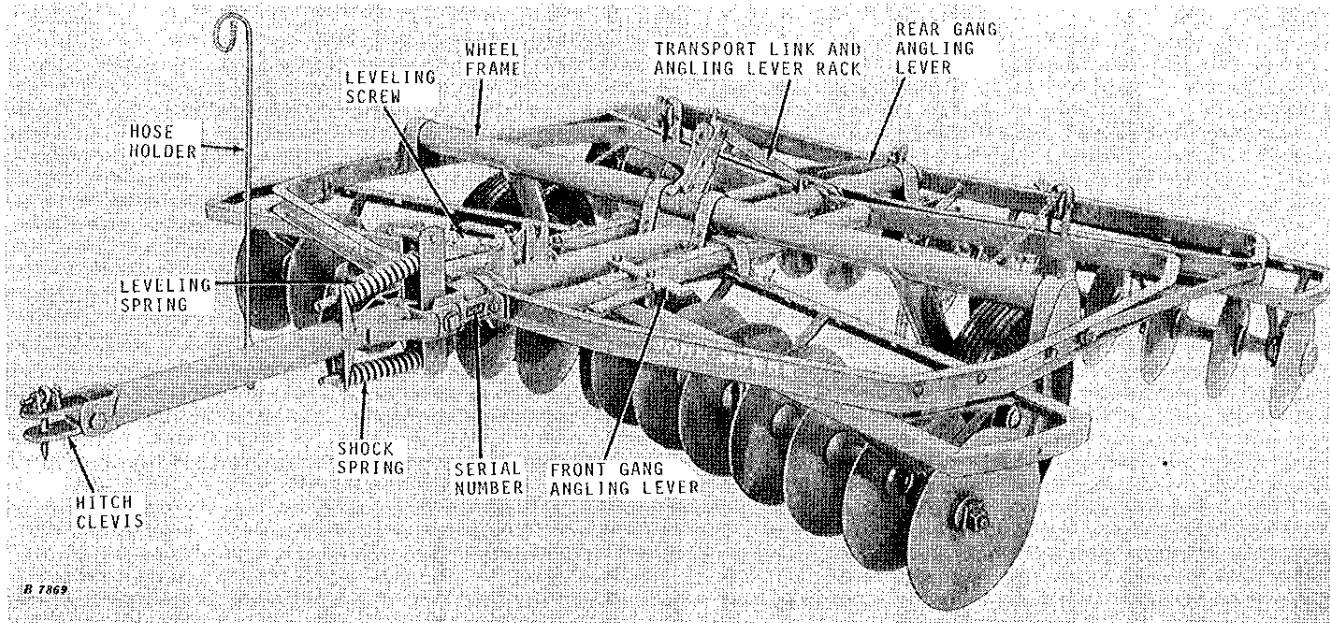
Date Purchased

John Deere AW Disk Harrow	
Check off size of your disk harrow and disk blade. This information will be valuable when ordering parts.	
Size	12-Ft., 6-In. <input type="checkbox"/>
	13-Ft., 10-In. <input type="checkbox"/>
	15-Ft., 2-In. <input type="checkbox"/>
8-Ft., 6-In. <input type="checkbox"/>	Blade Size
9-Ft., 10-In. <input type="checkbox"/>	18-In. <input type="checkbox"/>
11-Ft., 2-In. <input type="checkbox"/>	20-In. <input type="checkbox"/>
	22-In. <input type="checkbox"/>



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AW 9-Foot, 10-Inch Disk Harrow in Transport Position



specifications

The AW Disk Harrow is a double-action, flexible, wheel-carried disk harrow. It can be used with any John Deere tractor equipped with an 8 inch stroke remote hydraulic cylinder, or any other tractor using an 8 inch stroke remote hydraulic cylinder that conforms to ASAE-SAE standards.

The front gangs are free to flex independently and the complete rear section can swivel on the main frame pipe, allowing flexibility between the front and rear gangs.

The front and rear gangs can be angled independently of each other.

There are two heavy cushion springs on the drawbar and main frame hinge joint. The top spring is for automatic leveling of the disk harrow when in the working position. The bottom spring absorbs shock loads when transporting.

There is a hitch on the rear of the disk harrow for pulling such tools as a spike tooth harrow.

Operating Speed

Never exceed field speed of 5 mph. Reduce speed where rocks or stumps are a factor.

Disking depth - Controlled by raising or lowering the wheels with the remote hydraulic cylinder and the angle of the gangs.

Leveling - Adjust the hand screw on the disk harrow drawbar to level the disk harrow for various tractor drawbar heights.

Carrying wheels - 14-inch wheels with automotive type adjustable tapered roller bearings.

Wheel tread - 80-inch wheel frame regular for 8-foot, 6-inch; 9-foot, 10-inch; or 11-foot, 2-inch sizes. 106-inch wheel frame regular or 80-inch optional for the 12-foot, 6-inch; 13-foot, 10-inch; or 15-foot, 2-inch sizes.

Disk gang bearings - Antifriction.

Scrapers - Disk harrow is available with or without straight scrapers. End (bent) scrapers are available for sticky soil. Heavy duty scrapers are also available.

Middlebreaker attachment - A spring-tooth middlebreaker that cuts out the center strip left by the front disk gangs.

Furrow leveling blade or furrow filler attachment - Either one of these attachments will fill and level the furrow left by the outer gang disk blades when disking in plowed or loose ground.

Spike tooth harrow attachment - This attachment permits disking and harrowing in the same operation.

(Specifications and design subject to change without notice.)



operation

Preparing disk harrow

Lubricate the disk harrow as instructed on page 11.

Inflate the disk harrow tires as follows:

Disk harrow size	Recommended tire pressure
8'6" or 9'10"	22 psi
11'2"	24 psi
12'6", 13'10", or 15'2"	28 psi

Either 7.50 x 14-inch or 8.00 x 14-inch tires can be used.

The AW Disk Harrow can be used with any tractor equipped with an 8-inch stroke remote hydraulic cylinder that conforms to ASAE-SAE standards.

Preparing tractor

Refer to your tractor operator's manual for wheel weighting instructions and tire inflation pressures.

On John Deere 3010 or 4010 Tractor equipped with rear rockshaft, set the selector lever in the "D" position.

If the tractor has an adjustable swinging drawbar, position it in the long, low position.

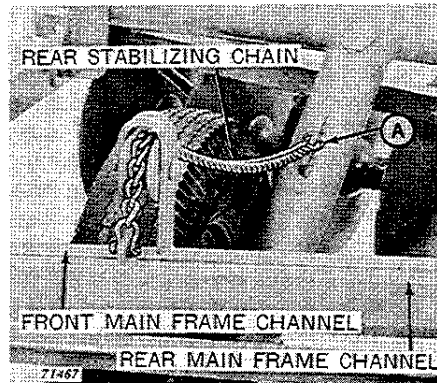
Attaching to tractor

The disk harrow must be in the raised position before attaching it to the tractor drawbar because of the

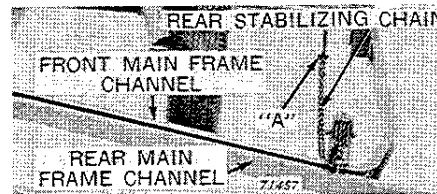
tension in the upper spring of the disk harrow hitch.

Back the tractor up to the disk harrow, install the remote hydraulic cylinder on the disk harrow, and place the hoses in the hose holder. If the disk harrow is not in the transport position, raise it with the cylinder and attach the disk harrow hitch to the tractor drawbar.

Rear stabilizing chains



Rear stabilizing chain for 8-foot, 6-inch; 9-foot, 10-inch; or 11-foot, 2-inch sizes



Rear stabilizing chain for 12-foot, 6-inch; 13-foot, 10-inch; or 15-foot, 2-inch sizes

The rear main frame channel must be level with the front main frame channel when the disk harrow is in the raised position.

The rear stabilizing chains control the position of the rear main frame channel. When the end links of the stabilizing chains are pinned through the center holes "A" in the wheel frame arms, the front and rear channels should be level with each other. If the channels are not level, move the ends of the stabilizing chains up one or two holes in the wheel frame arms to raise the rear channel, or down one or two holes to lower the rear channel.

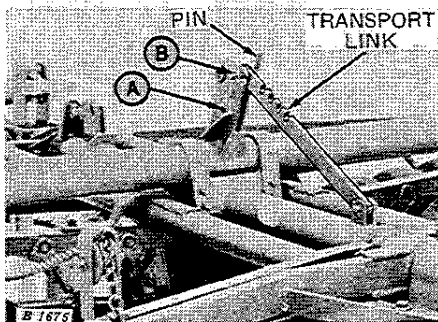
When the harrow is lowered into the working position, the stabilizing chains will be loose enough to allow the harrow to work properly.

Detaching from tractor

Place the disk harrow in the raised position and connect transport link. Disconnect remote hydraulic cylinder hoses at tractor or remove cylinder from disk harrow before pulling hitch pin and driving tractor away from the disk harrow.

Transporting

Use the transport link to hold disk harrow in a raised position for transporting or storage.



To connect the transport link: (1) Fully extend the remote hydraulic cylinder. (2) Remove the pin from hole "A." Line up the slotted hole in the end of the transport link with hole "B," and install the pin.

NOTE: If desired, the remote hydraulic cylinder can now be removed and the disk harrow will stay in the raised position.

Lock the tractor swinging drawbar in a fixed position.

Do not transport the disk harrow over 12 miles per hour on a smooth surface road, and reduce the speed considerably when traveling over rough ground.

When transporting the disk harrow 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.

Field operation

Remote hydraulic cylinder

Install the remote hydraulic cylinder on the disk harrow and disconnect the transport link.

Tractor swinging drawbar

For best results when disking, the tractor drawbar should be free to swing.

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