

# TWA Disk Harrow



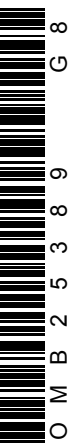
## OPERATORS MANUAL

TWA  
Disk Harrow

OMB25389 G8 English

**OMB25389 G8**

LITHO IN U.S.A.  
ENGLISH





## TO THE PURCHASER

Your new TWA 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, facing the direction of travel.

Information concerning warranty on this equipment appears on your copy of the Delivery Receipt which you should have received from your dealer when the equipment was delivered to you.

### 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 right-hand side of front hydraulic cylinder mount.

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

Serial No. \_\_\_\_\_

Date Purchased \_\_\_\_\_

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

### JOHN DEERE TWA DISK HARROW

Check off size of your disk harrow and record date purchased.

This information will be valuable when ordering parts.

#### Disk harrow size

11-ft. 7-in. . . . .	<input type="checkbox"/>	11.00L x 15 Hi-Flotation Tire . . . .	<input type="checkbox"/>
13-ft. 3-in. . . . .	<input type="checkbox"/>	Furrow Filler Attachment. . . . .	<input type="checkbox"/>
16-ft. 7-in. . . . .	<input type="checkbox"/>	End Disk Scraper Attachment. . . .	<input type="checkbox"/>



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## SPECIFICATIONS

The John Deere TWA Disk Harrow is a rigid, heavy-duty, wheel type, double action plowing-type disk harrow. It can be used with John Deere Tractors equipped with a remote hydraulic cylinder or any other tractor using an 8-inch stroke remote hydraulic cylinder that conforms to ASAE-SAE standards.

**SIZES** - Three sizes are available: 11-foot 7-inch, 13-foot 3-inch, and 16-foot 7-inch.

**MAIN AND GANG FRAMES** - Welded, 4-1/4-inch x 4-1/4-inch box type.

**BEARINGS** - Disk gangs have double tapered roller bearings with soil shears to protect the bearing seals.

**WHEELS** - 15-inch dual wheels with tapered roller bearings.

**GANG BOLTS** - High-strength 1-1/2-inch square.

**DISK BLADES** - 24- and 26-inch solid and cutout cone disk blades are available.

**SCRAPERS** - Heavy-duty mold-board type.

**MIDDLEBREAKER** - Heavy-duty middlebreaker cuts out the center left by the front disk gangs.

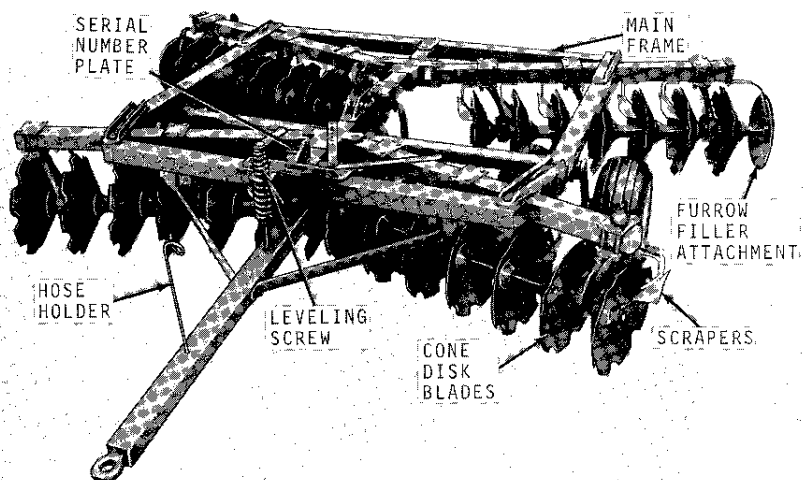
**FURROW FILLER ATTACHMENT** - Fills and levels the furrow left by the outside rear disk blades.

**END DISK SCRAPER ATTACHMENT** - Cleans the outside front disks and inside rear disks.

**DISK BLADE SPACING** - Eleven inches.

**TIRES** - 6.70 x 15, 4-ply or 11.00L x 15, 6-ply 30 psi air pressure.

*(Specifications and design subject to change without notice.)*



John Deere 13-Foot 3-Inch TWA Disk Harrow



## OPERATION

### PREPARING THE DISK HARROW

Inflate the disk harrow tires to 30 psi of air pressure.

Lubricate the disk harrow as instructed on pages 9 and 10.

The TWA Disk Harrow can be used with John Deere Tractors equipped with a remote hydraulic cylinder or any other tractor having an 8-inch stroke remote hydraulic cylinder that conforms to ASAE-SAE standards.

### PREPARING THE TRACTOR

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

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

### ATTACHING TO OR DETACHING FROM THE TRACTOR

The disk harrow must be in the raised position before attaching it to or detaching it from the tractor drawbar.

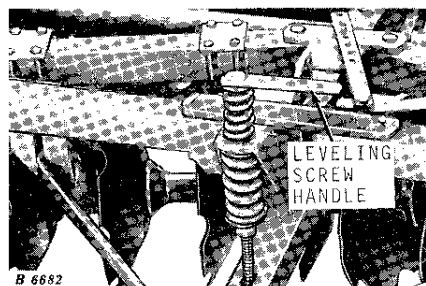
Back the tractor up to the disk harrow, install the remote hydraulic cylinder on the disk harrow, and place the hoses in the hose holder. If the disk harrow is not in the transport position, raise it with the cylinder and attach the disk harrow hitch to the tractor drawbar.

Before detaching the disk harrow from the tractor, the disk harrow must be in the raised position. Disconnect the remote cylinder hoses from the tractor before pulling away if you leave hydraulic cylinder on the disk harrow.

*NOTE: Lock the tractor drawbar in a fixed position when transporting. For best results when disk-ing, the tractor drawbar should be free to swing.*

Check the gang bolt nuts occasionally, to be sure they are tight.

### LEVELING SCREW ADJUSTMENT



Adjust the leveling screw with the disk harrow hitch as follows to obtain uniform penetration of the front and rear gangs:

Shortening the leveling screw (turning clockwise) will raise the rear section. Lengthening the leveling screw (turning counterclockwise) will lower the rear section.

## 4 Operation

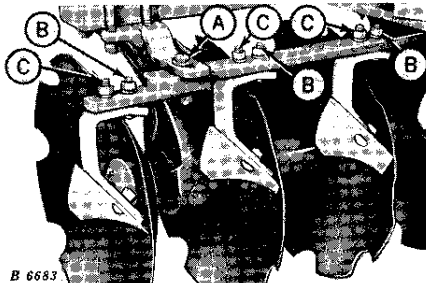
### DISKING DEPTH

The depth of disking is controlled by the remote cylinder control lever of the tractor and the angle of the disk gangs. The transport wheels will act as gauge wheels and regulate the working depth of the disk harrow. After determining the correct disking depth as regulated by the transport wheels, position stop on the remote cylinders so the transport wheels raise to the same position each time. See tractor operator's manual.

For maximum penetration, set the gangs at full cutting angle and raise the transport wheels completely off the ground.

For less than maximum penetration, lower the transport wheels to raise the gangs or reduce the cutting angle of the gangs.

### SCRAPERS



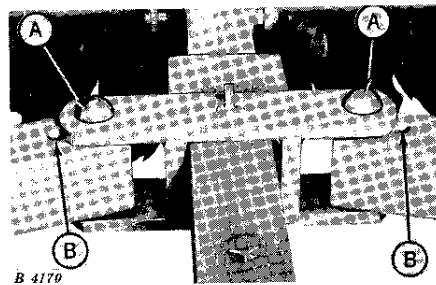
The holes in the top of each scraper bar are slotted at "A," so that by adjusting the scraper bar you can move all the scrapers on the bar in or out at one time.

Adjust blades so the scraping edge of each scraper blade is flush against the disk blade, but not tight enough to prevent the gang from revolving freely.

To move scraper closer to blade, loosen bolt "C" and tighten bolt "B."

To move scraper away from blade, loosen bolt "B" and tighten bolt "C."

### LATERAL ADJUSTMENT OF REAR GANGS



Rear Gangs in Wide Lateral Position

The variations in soil from one field to another, and sometimes in the same field, can have an effect on the way the rear gangs level the soil.

The rear gangs can be set in a wide or narrow lateral position.

Certain field conditions or tractor speeds may make it necessary to change this lateral position to eliminate a ridge or furrow between the rear gangs.

To place the rear gangs in the narrow position, pull pins "A," and move the gangs inward to hole "B." Replace the pins.

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