

JOHN DEERE L W DISK HARROW



JOHN DEERE

OPERATORS MANUAL JOHN DEERE L W DISK HARROW

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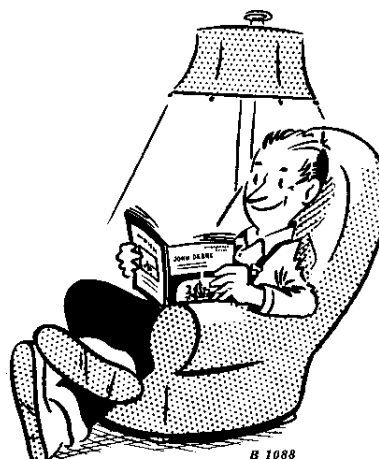
TO THE PURCHASER

Your New "LW" 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.

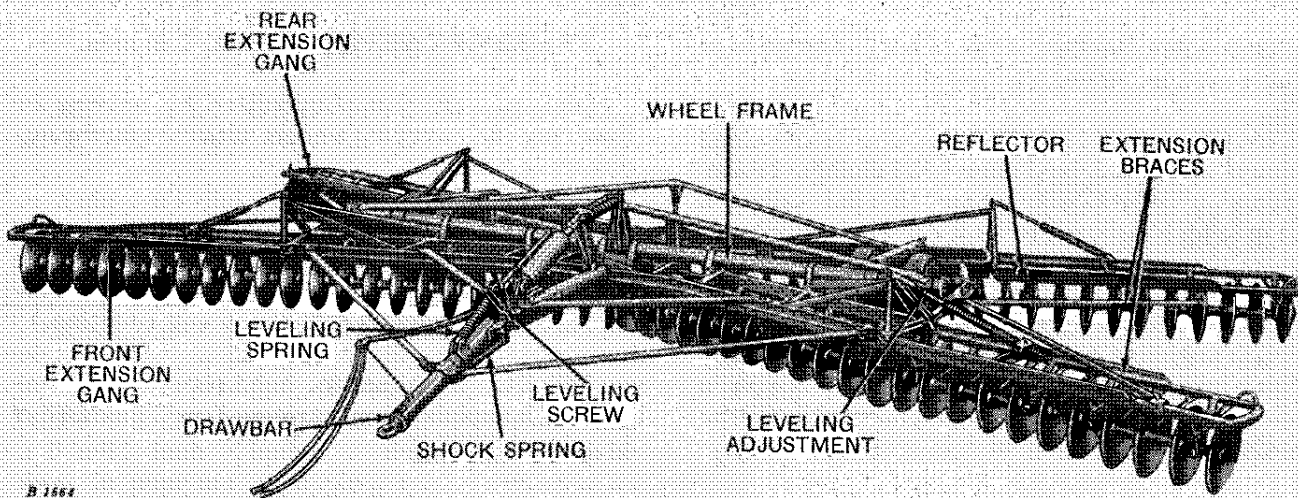


Study this manual carefully. Keep it handy, in a safe place, for future reference.

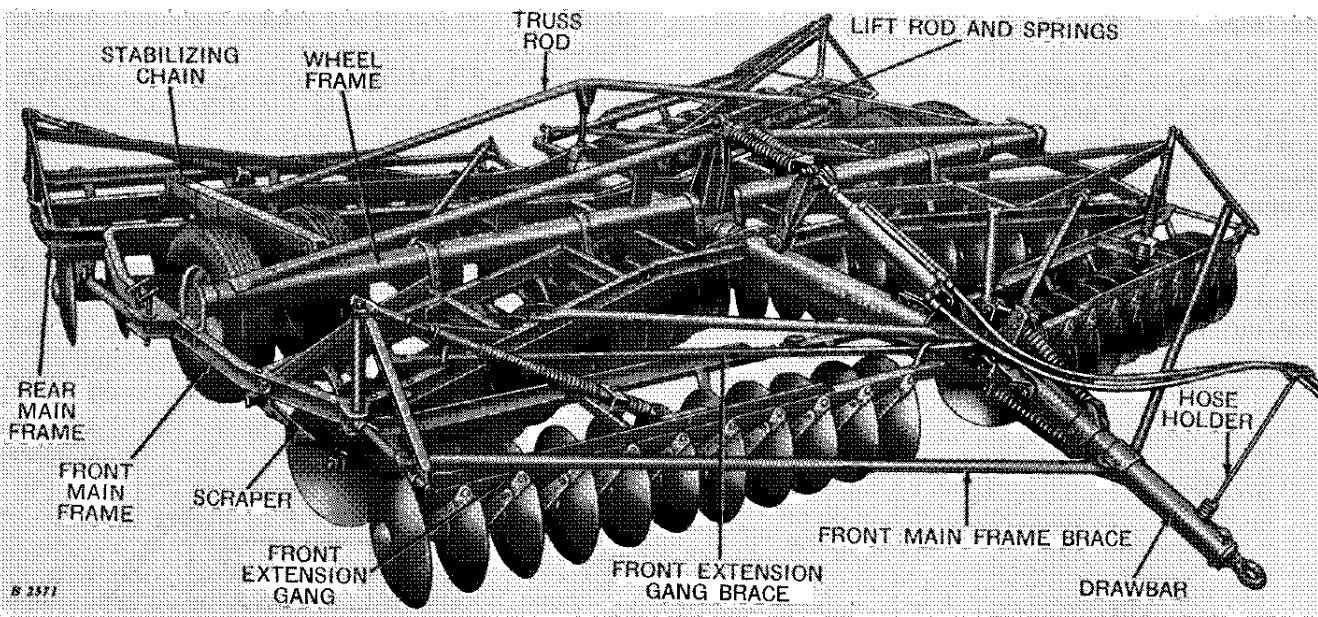
JOHN DEERE "LW" DISK HARROW	
Date Purchased	Blade Size
Size	20-inch
27-Foot	Solid
31-Foot	Cut-Out
Middlebreaker	22-inch
	Solid
	Cut-Out

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John Deere 31-Foot "LW" Disk Harrow in Working Position



John Deere 31-Foot "LW" Disk Harrow in Transport Position

SPECIFICATIONS

The John Deere "LW" Disk Harrow is a double-action, wheel carried disk harrow.

The 27-foot "LW" Disk Harrow is designed for use with the John Deere 5010 Tractor or any tractor of equivalent power, having either a 3-1/2 x 8, 5 x 12, 5 x 16 or a 6 x 16-inch remote hydraulic cylinder.

The 31-foot "LW" Disk Harrow is designed for use with the John Deere 8010 Tractor or any tractor with equivalent power having either a 5 x 12, 5 x 16 or 6 x 16-inch remote hydraulic cylinder.

The disk gangs are set at a fixed angle, and the complete rear section of the harrow can swivel on the main frame pipe, allowing flexibility between the front and rear sections. The extension gangs can be folded around for transporting.

Two heavy-duty cushion springs are located on the drawbar and main frame hinge joint. The top spring is for automatic leveling of the harrow and the bottom spring absorbs shock loads when transporting.

The "LW" Disk Harrow is available with either 20-inch or 22-inch disks. Either solid or cut-out disks are available in either size.

TRANSPORT WIDTH—17 feet, 2 inches.

DISKING DEPTH—Controlled by raising or lowering the carrying wheels with the tractor hydraulic cylinder.

CARRYING WHEELS—Dual 15-inch wheels with automotive-type adjustable tapered roller bearings (8:00 x 15 or larger tires are recommended for transport clearance and flotation.)

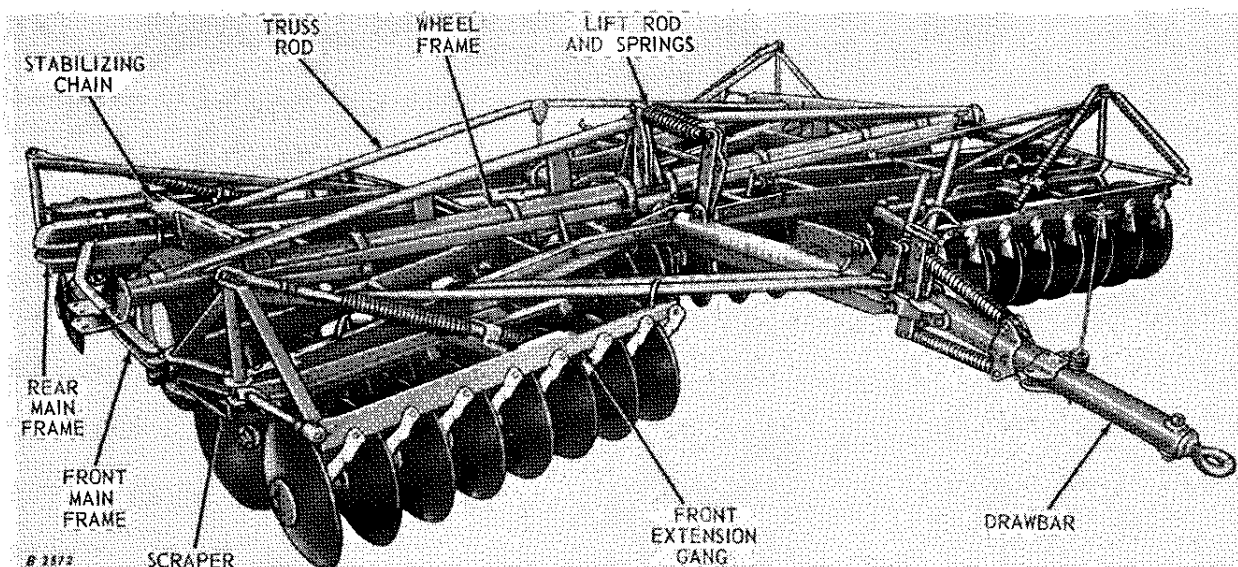
LEVELING—Adjusting hand screw on the harrow compensates for various tractor drawbar heights.

SPECIAL EQUIPMENT

END SCRAPERS—End scrapers for the outer disks on the front gangs and the inner disks on the rear gangs are available when needed in sticky soils.

CYLINDER ARMS—Are available to adapt the "LW" Disk Harrow to the different sizes of cylinders. (The 8-inch cylinder arm for the 27-foot and the 16-inch cylinder arm for the 31-foot are regular equipment.)

MIDDLEBREAKER ATTACHMENT—A spring-tooth middlebreaker which cuts out the center strip left by the front disk gangs.



John Deere 27-Foot "LW" Disk Harrow in Transport Position

OPERATION

PREPARING DISK HARROW

Inflate disk harrow tires to 30 pounds pressure.

Lubricate disk harrow as instructed on page 7.

27-FOOT DISK HARROW

The 27-foot disk harrow may be used with any tractor equipped with a 3-1/2 x 8, 5 x 12, 5 x 16, or 6 x 16-inch remote hydraulic cylinder. A BB10769B Cylinder Arm is required when using a 5 x 12-inch cylinder. A BB11459B Cylinder Arm is required when using a 5 x 16 or 6 x 16-inch cylinder.

31-FOOT DISK HARROW

The 31-foot disk harrow may be used with any tractor equipped with a 5 x 12, 5 x 16, or 6 x 16-inch remote hydraulic cylinder. A BB10769B Cylinder Arm is required when using 5 x 12-inch cylinder.

PREPARING TRACTOR

See your tractor operator's manual for wheel weighting instructions.

On the 5010 Tractor, place the tractor drawbar in the long position.

When operating in the field remove locking bolts so tractor drawbar is free to swing. Lock the tractor drawbar when transporting disk harrow.

ATTACHING TO THE TRACTOR

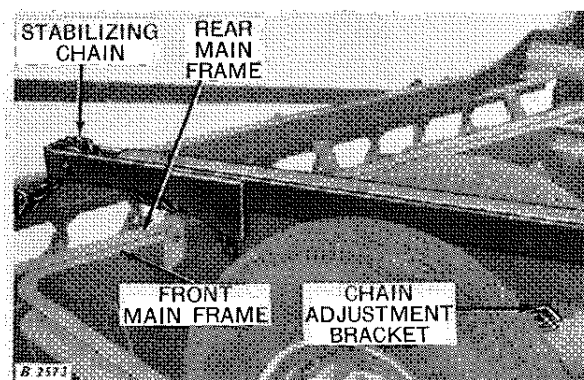
The disk harrow must be in raised position before attaching to tractor drawbar because of the tension in upper spring of the disk harrow drawbar.

Back the tractor up to disk harrow and install the remote hydraulic cylinder on the disk harrow. Raise disk harrow with the cylinder and attach disk harrow drawbar to the tractor drawbar.

DETACHING FROM THE TRACTOR

When detaching disk harrow from the tractor drawbar, the disk harrow must be in raised position. Pull the drawbar pin, lower disk harrow, and remove the remote hydraulic cylinder. Then drive tractor away from the disk harrow.

LATERAL LEVELING—REAR MAIN FRAME

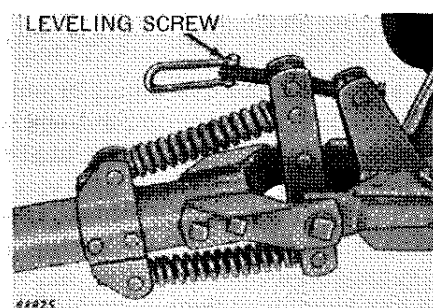


The rear main frame must be level with the front main frame when disk harrow is in the raised position.

The rear stabilizing chains control the position of the rear main frame. If the frames are not level, lower the disk harrow and move the ends of the stabilizing chains up one or two holes in the wheel frame arms to raise the rear main frame, or down one or two holes to lower the rear main frame. Raise the disk harrow to check position of rear main frame after adjusting stabilizing chains.

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

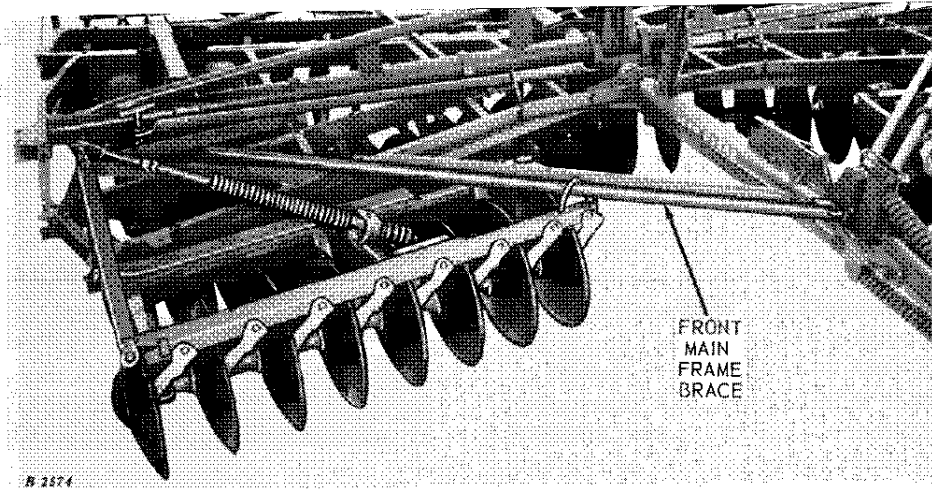
FORE-AND-AFT LEVELING



After disk harrow is attached to tractor, adjust the leveling screw so disk harrow is level fore-and-aft. Turning leveling screw clockwise will lower the rear, and turning leveling screw counter-clockwise will raise the rear.

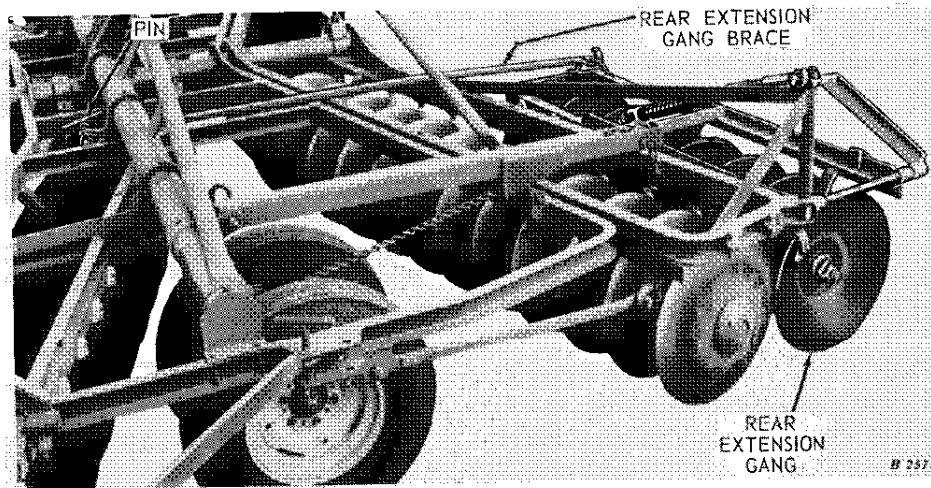
In field operation, additional adjustment of the leveling screw may be necessary to obtain uniform penetration of the front and rear gangs.

TRANSPORTING—27-FOOT ONLY



Right-Hand Front Extension Gang in Transport Position

With the disk harrow in the raised position remove the front extension gang braces. Swing the front extension gangs forward and secure in place with the front main frame braces.



Left-Hand Rear Extension Gang in Transport Position

Remove the rear extension gang braces. Swing the rear extension gangs rearward and secure in place with the rear extension gang braces.



Lock the tractor drawbar in a fixed position when transporting the disk harrow. 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, use accessory lights and devices for adequate warning (day and night) to operators of other vehicles. In this regard check local governmental regulations. Accessory lights and devices may be obtained from your John Deere dealer.

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