

**INTEGRAL TWO-DISK
TRACTOR PLOW NO.
472 FOR MODEL
"40" AND MODEL "40"
STANDARD TRACTORS**



OPERATORS MANUAL

INTEGRAL TWO-DISK TRACTOR PLOW NO. 472
FOR MODEL "40" AND MODEL "40" STANDARD
TRACTORS

OMA411053 J3 English

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LITHO IN THE U.S.A.
ENGLISH



YOUR NEW PLOW

Behind your new plow is an organization that has specialized in designing and building plows for over one hundred years. This plow was built in the world's largest plow factory by experienced men, many who have worked in this large plant from ten to forty-five years, thus assuring the utmost in design, high-grade workmanship, and thorough inspection, so essential to the production of good plows.

High-quality materials, precision production methods, and accurately-controlled heat-treating assure maximum strength and long life for every part.

This manual has been carefully prepared and profusely illustrated so that you may take the necessary adjustments for adapting your plow to work properly in all types of soil and field conditions. These adjustments, such as proper hitching and adjusting for width and depth of cut, are fully covered in this manual. Study the manual carefully and make it your guide.

Occasionally your plow may need new parts to replace worn parts or emergency service may be required that is not covered in this manual. If so, we suggest that you take advantage of the facilities offered by your John Deere Dealer, which assures you of genuine John Deere Parts and prompt "know-how" service in the field or in the shop.

If you will furnish your dealer the part number, description, and the information which should be recorded at the bottom of this page, when the plow is delivered, he can give you prompt and efficient service.

John Deere No. 472 Integral Two-Disk Tractor Plows

Date Purchased 19

(To be filled in by Purchaser)

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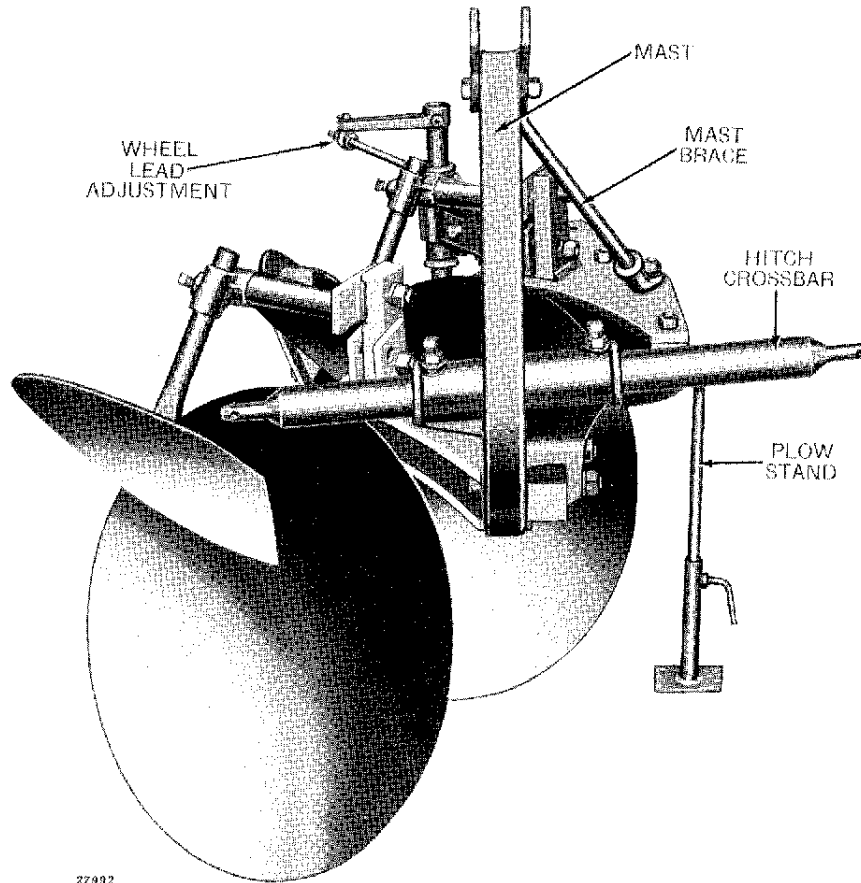


Figure 1—John Deere No. 472 Disk Plow, Front View

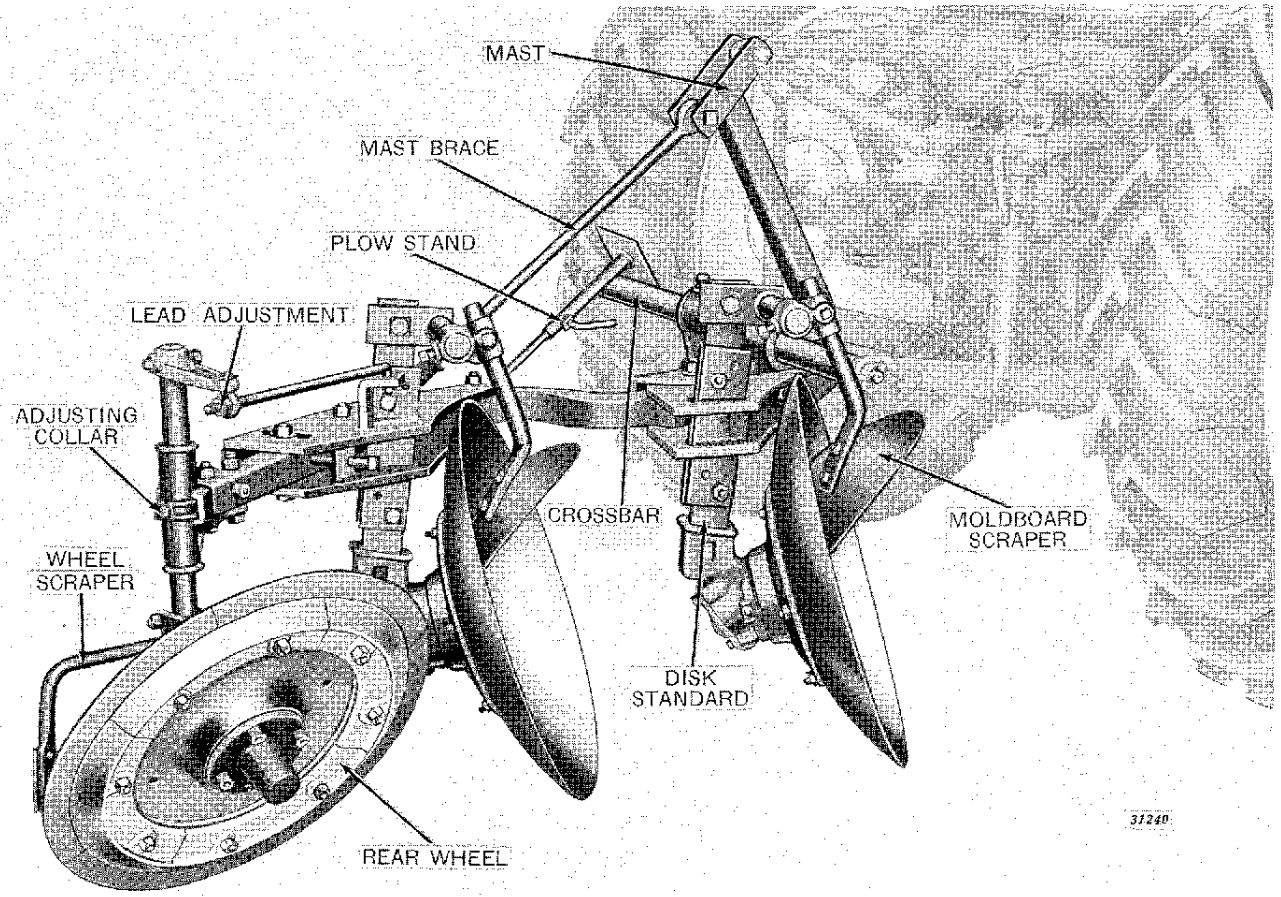


Figure 2—John Deere No. 472 Disk Plow in Plowing Position

SPECIFICATIONS AND DATA

TYPES—No. 472 Integral Two Disk Plow—reducible to single disk. For use with John Deere Model "40" and Model "40" Standard Tractors and other tractors with standard 3-point hitches.

DEPTH RANGE—Approximately 4 to 10 inches.

WIDTH OF CUT—8 inches and 10 inches per disk by transposing the mast assembly and the second frame bar.

DISKS—24-inch—Regular
 26-inch—Special
 26-inch—Notched—Special

DISK BEARINGS—Heavy-duty, dustproof bearings, each having two large Timken tapered roller bearings.

WHEEL—Fully adjustable. Replaceable steel segments.

WHEEL WEIGHTS—One 70 pound weight, special. An additional 50 pound weight for extreme conditions, special. When wheel weights are used on the plow, front end tractor weights and liquid in the tires must be added for tractor stability.

DEPTH CONTROL AND LIFT—Regulated by the operator through the use of the Touch-o-matic system of the tractor.

LOAD CONTROL—Three settings available.

SCRAPERS—Moldboard-Type—Special
 Hoe-Type—Special

LEVELING—Adjustable by leveling screw crank on tractor.

DISK SETTINGS—Three vertical—Two lateral.

TRACTOR WHEEL TREAD—Model "40"—56 inches regular—60 inches with adapter.
 Model "40" Standard—54 inches only.

NOTE: When the terms "right" or "left" are used, it means from a position behind the tractor facing the front.

(It is John Deere policy to improve our machines at every opportunity. Consequently, it may be necessary to change design without notice.)

OPERATING AND ADJUSTING INSTRUCTIONS

GOOD PLOWING.

Your new plow is fully adjustable and, when properly adjusted to operate in the type of soil and field conditions on your farm, it will do a good job of plowing at a minimum of expense. A well-adjusted plow pulls lighter; its furrow slices are uniform in width and depth; it leaves the soil in proper condition to be worked down into the best type seedbed.

PREPARING THE TRACTOR.

For complete operating instructions on the Model "40" and Model "40" Standard Tractors refer to the Tractor Operators Manual.

Front End Weighting.

Front end stability is necessary for efficient operation and safety. Therefore, it is important that proper weight be added to the tractor for various plowing conditions. It is recommended that the following minimum weight be added to the front of the tractor or rear wheels in addition to liquid filled tires.

	Model "40" Standard	Dual Front Wheels	Model "40" Wide Front Axle Attachment	Single Front Wheel Attachment
No. 472 Plow—no added weight on rear wheel.....	None	170 lbs.	None	170 lbs.
No. 472 Plow—70 lbs. on rear wheel.....	150 lbs.	310 lbs.	*130 lbs.	310 lbs.
No. 472 Plow—120 lbs. on rear wheel.....	300 lbs.	310 lbs.	*130 lbs.	310 lbs.

**One AM1152T Wheel Weight per wheel (65 lbs. each).*

Note: Inflation pressure for 5.00-15 front tires is 28 pounds with or without added front end weight.

Inflation pressure for 7.50-10 front tire is 36 pounds with or without added front end weight.

Rear Wheel Tire Inflation and Weights.

Tire Inflation Data for Model "40" and Model "40" Standard Tractors with indicated number of weights per rear wheel in addition to liquid filled tires:

	Tire	Without Weights	1 Weight	2 Weights
No. 472 Plow	9-34	16 lbs.	16 lbs.	Not recommended
Less Weights	10-34	12 lbs.	14 lbs.	14 lbs.
No. 472 Plow	9-34	16 lbs.	Not recommended	Not recommended
70 lbs. added to rear wheel	10-34	12 lbs.	14 lbs.	Not recommended
No. 472 Plow	9-34	16 lbs.	Not recommended	Not recommended
120 lbs. added to rear wheel	10-34	14 lbs.	14 lbs.	Not recommended

Rockshaft Lift Arms.

On Model "40" Tractors pin the rockshaft lift arms together with lift arm lock pin, Figure 3, so the Touch-o-matic cylinders will work in parallel to obtain maximum lifting capacity.

Touch-O-Matic Selector Lever.

On Model "40" Tractors, Touch-O-Matic selector lever must be in forward position when lift arms are pinned together.

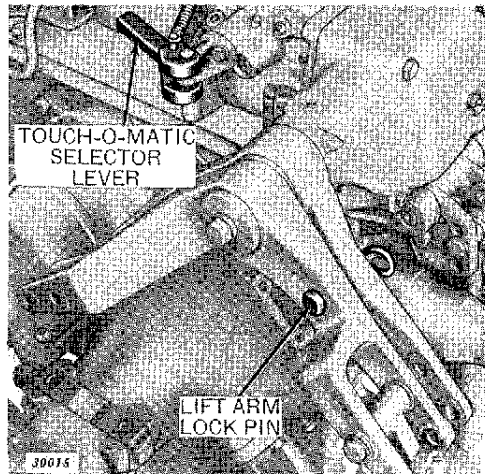


Figure 3—Rockshaft Lift Arms

Touch-O-Matic Control Lever.

On Model "40" Tractors move the inside or left-hand Touch-O-Matic control lever to the extreme rear of the quadrant. Lock in this position with quadrant stop. See Figure 4.

Load Control Yoke.

The load control lock-out screw must be turned in so load control yoke will operate.

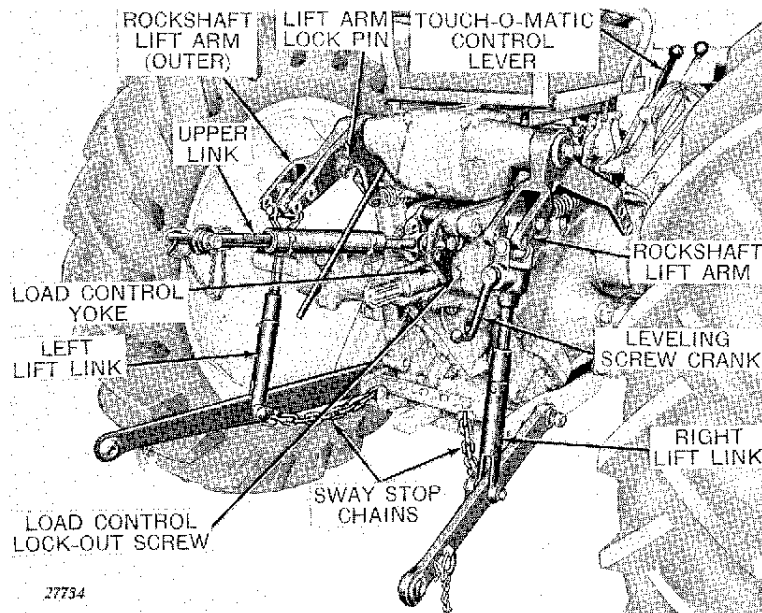


Figure 4—John Deere Model "40" Tractor Detail

Lift Links.

Do not change the length of the left-hand lift link; it is set to the recommended length at the factory.

The right-hand lift link provides adjustment for leveling the plow.

Attach the lift links to the front or inner holes on the rockshaft lift arms on John Deere Model "40" and Model "40" Standard Tractors.

Front Wheel Tread.

On Model "40" Standard Tractors and other wide-front-axle tractors, set front wheels to conform to rear wheel setting.

Rear Wheel Tread.

The rear wheels of the Model "40" Standard Tractor must be set at 54 inches from center to center of tires.

The rear wheels of the Model "40" Tractor must be set at 56 inches from center to center of tires for *normal operation*. For hillside work, where increased stability is required the rear wheels must be set at 60 inches and special mast bracket adapter must be attached to mast. (See Figures 9 and 10.)

When the width of cut per disk has been determined, certain adjustments must be made on the plow before attaching to the tractor. The accompanying picture and chart provide the necessary information to make proper

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