

**Integral Tractor
Plows No. 411 One-Bottom
No. 412 Two-Bottom
for Model "40" and
Model "40" Standard
Tractors**



JOHN DEERE

OPERATORS MANUAL

Integral Tractor Plows No. 411 One-Bottom No. 412
Two-Bottom for Model "40" and Model "40" Standard
Tractors

OMA40953 (01SEP53) English

OMA40953 (01SEP53)

LITHO IN 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 and fifteen years. This plow was built in the world's largest plow factory by experienced men, many who have worked in this large plant for from ten to forty-five years, thus assuring the utmost in good 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 make the necessary adjustments for adapting your plow to work properly in practically 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, which has been prepared by plow experts. 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 assure you of genuine JOHN DEERE Parts and prompt "know how" service in the field or 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 parts service.

**John Deere Nos. 411 or 412
Integral Tractor Plows**

No. of Plow

Date Purchased **19**

(To be filled in by Purchaser)

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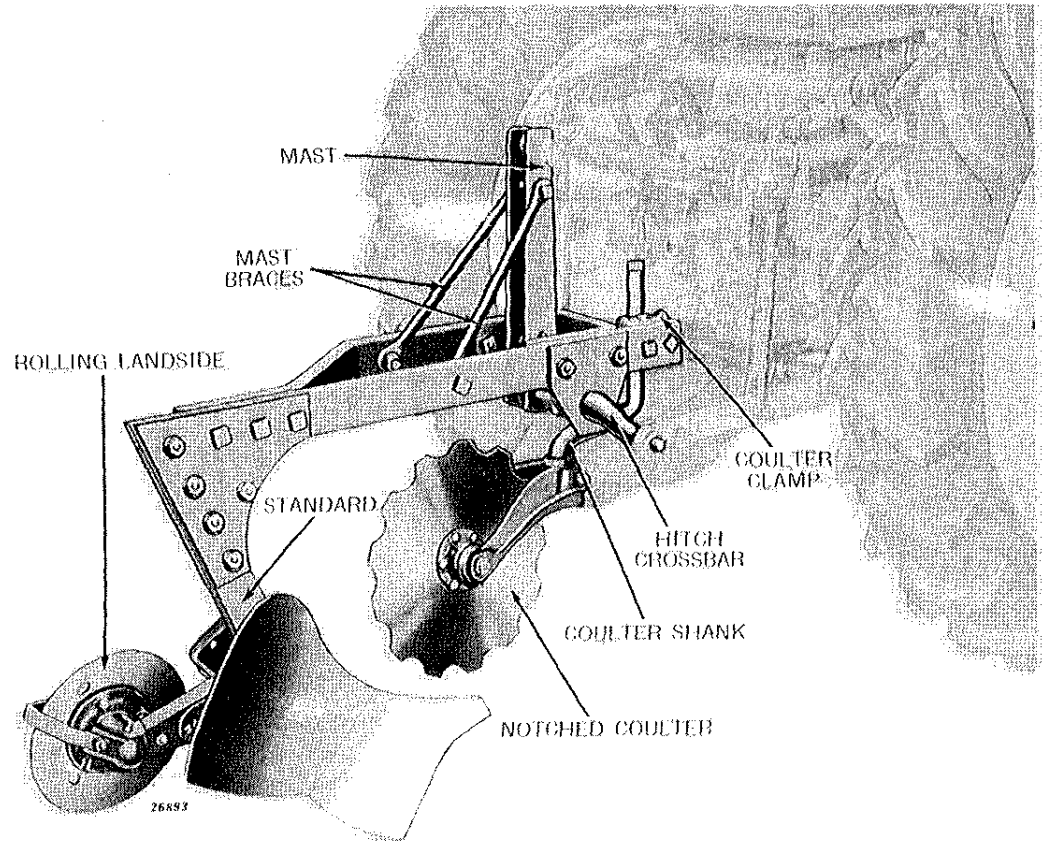


Figure 1—John Deere No. 411 One-Bottom Integral Tractor Plow

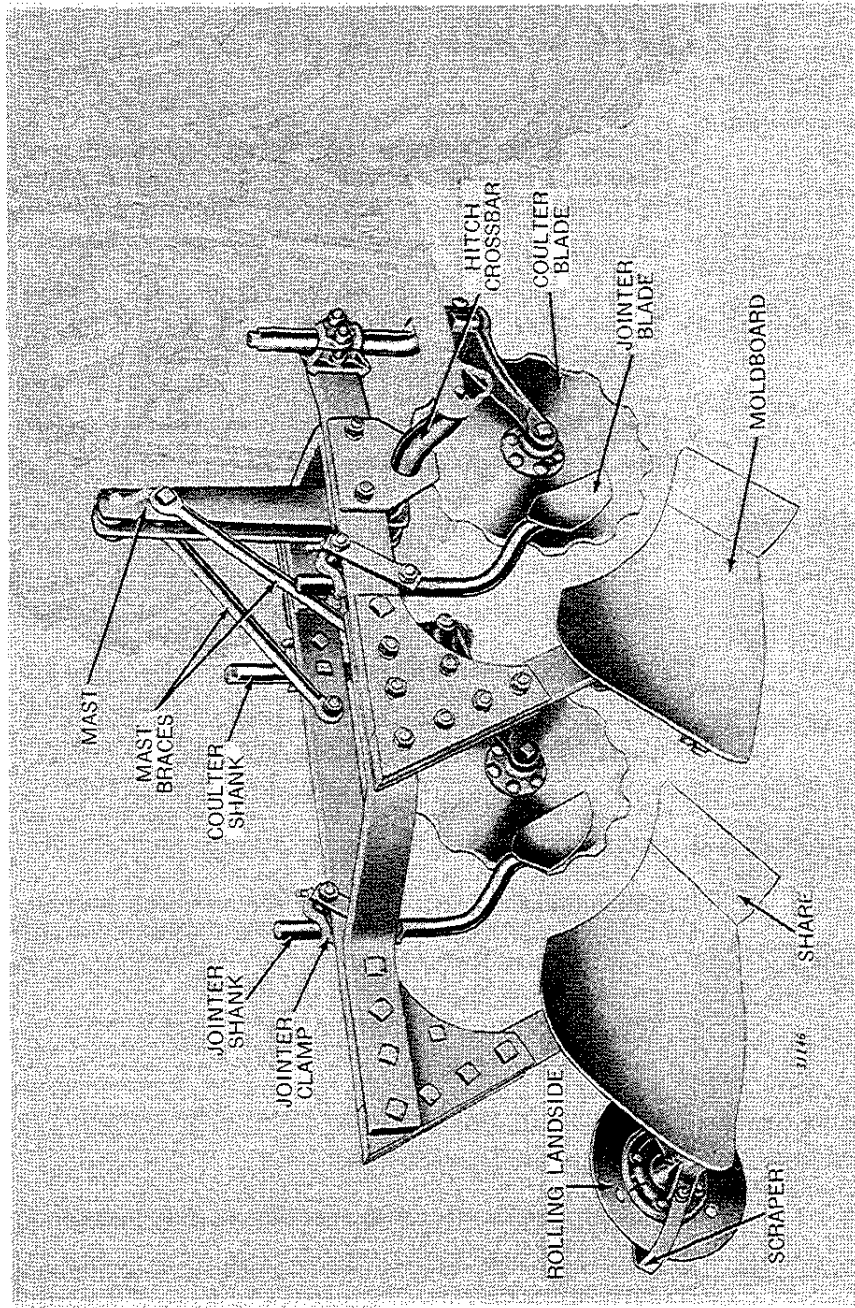


Figure 2—John Deere No. 412 Two-Bottom Integral Tractor Plow

SPECIFICATIONS AND DATA

Types.....No. 411 Plow is a one-bottom, 14, 16, or 18-inch Integral Tractor Plow for the Model "40" Tractor and a 14- or 16-inch Integral Tractor Plow for the Model "40" Standard Tractor.

No. 412 Plow is a two-bottom 10-, 12-, or 14-inch, Integral Tractor Plow for the John Deere Model "40" Tractor and Model "40" Standard Tractor.

NOTE: These plows can also be used on other tractors with standard 3-point hitch.

Depth Range..... 2 to 10 inches depending on type and size of bottoms.

Leveling.....Leveling screw and handle are within easy reach of the operator.

Bottoms.....Various types available as ordered.

Landside.....No. 411—Bottom with long landside.

No. 412—Front bottom with short landside.

Rear bottom with long landside.

Rolling Landside.. Regular equipment, no other wheel available.

Hitch.....Three-Point.

Coulters..... 15-inch Plain, Regular
 17-inch Plain, Special
 17-inch Notched, Special
 18-inch Plain, Special

Coulter Shanks... 1 1/4 inch diameter—Regular
 1 1/2 inch diameter—Special

Jointers.....Independent or Combination, Cast or Steel, Special.

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

(It is a 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 covers trash; it leaves the soil in proper condition to be worked down into the best type seed bed.

PLOW BOTTOMS, COULTERS AND JOINTERS.

The polished surfaces of the plow bottoms are varnished, and those on the coulters and jointers are blue lacquered. This protective coating should be removed before the plow is put into operation.

To remove this coating apply varnish remover or a strong lye water solution and let soak for a few minutes, then rub off. Repeat operation if necessary.

Caution: When using the lye solution keep it away from the body and clothing as it is poisonous. Also be sure to thoroughly remove the lye solution from the polished surfaces to prevent discoloration of steel. If plow is not to be used immediately, protect the polished surfaces by applying a coat of cup grease or hard oil.

PREPARING THE TRACTOR.

For Model "40" Series Tractor operating instructions refer to the Tractor Operator's Manual received with your tractor.

Rear Wheel Tire Inflation and Weights.

It is important that proper weight be added to the tractor for various plowing conditions. The following provides information regarding rear wheel weights and rear wheel tire pressure.

REAR WHEEL WEIGHTING AND TIRE INFLATION DATA FOR MODEL "40" AND MODEL "40" STANDARD TRACTORS WHEN USED WITH THE NO. 411 AND NO. 412 PLOWS WITH THE INDICATED NUMBER OF WEIGHTS

Tire	Without Weights	1 Weight	2 Weights
9-24	12 lbs.	14 lbs.	not recommended
10-24	12 lbs.	14 lbs.	14 lbs.
11-26	12 lbs.	14 lbs.	14 lbs.
12-26	12 lbs.	12 lbs.	12 lbs.
9-34	14 lbs.	16 lbs.	not recommended
10-34	12 lbs.	14 lbs.	14 lbs.

NOTE: Regardless of weights added, liquid filled tires are recommended both front and rear.

Front Tire Inflation.

Front tire inflation pressure should be 28 pounds in all 4-ply rated tires, and 36 pounds in all 6-ply rated tires, regardless of front end weights.

Front End Weighting.*Model "40" Tractor*

For favorable operating conditions, front end weights beyond liquid filled tires may not be necessary.

For less favorable conditions, two side weights (approximately 170 pounds) are recommended in addition to liquid filled front tires.

For extreme operating conditions, two side weights plus one front weight (approximately 310 pounds) may be necessary in addition to liquid filled front tires.

Model "40" Standard Tractor.

For favorable conditions, front end weights beyond liquid filled tires may not be necessary.

For less favorable conditions, one front end weight (approximately 150 pounds) is recommended in addition to liquid filled tires.

For extreme conditions, two front end weights (approximately 150 pounds each) may be necessary in addition to liquid filled tires.

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.

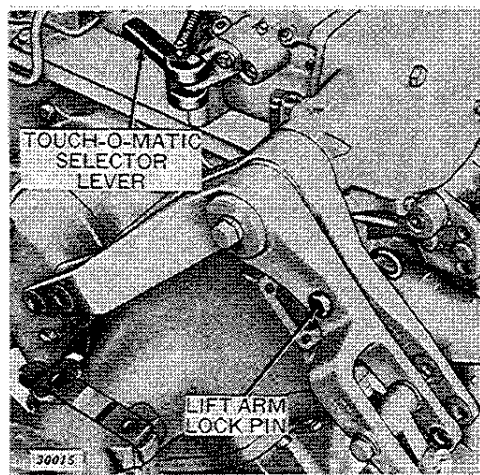


Figure 3—Rockshaft Lift Arms

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.

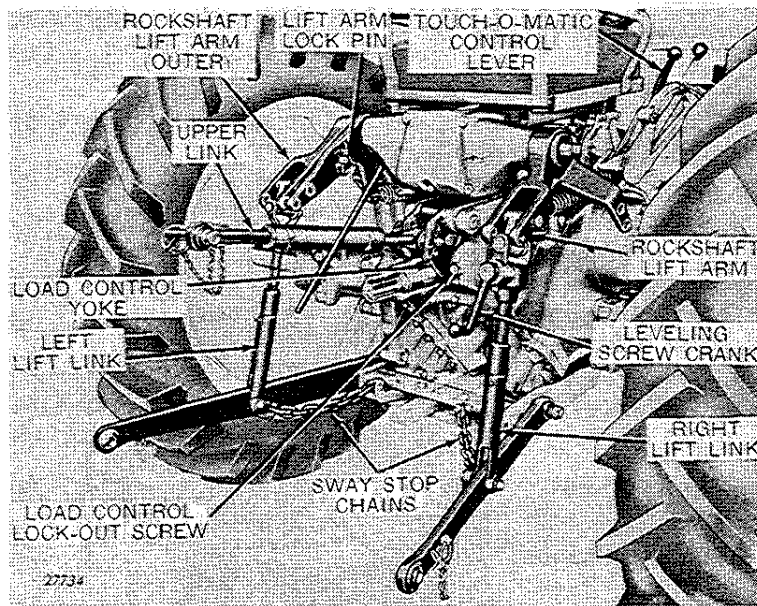


Figure 4—John Deere Model "40" Tractor Detail

Load Control Yoke.

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

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 rear or outer holes on the rockshaft lift arms on John Deere Model "40" and Model "40" Standard Tractors.

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