

**Integral Two-and Three-
Furrow Tractor Disk Plows
No. 800 Series for John Deere
"520," "620," "720," "50,"
"60," and "70" Tractors**



JOHN DEERE

OPERATORS MANUAL

Integral Two-and Three- Furrow Tractor Disk Plows
No. 800 Series for John Deere "520," "620," "720,"
"50," "60," and "70" Tractors

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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 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. 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 with 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 800 Series
Integral Tractor Disk Plows**

Size

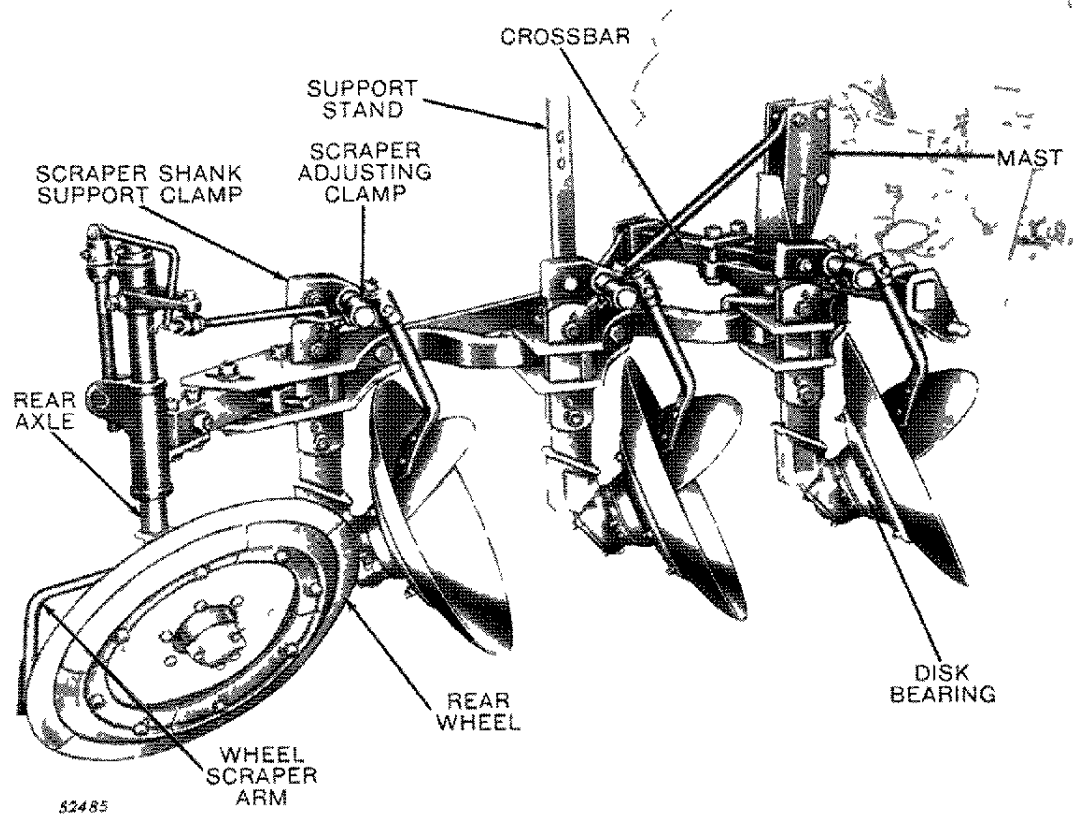
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TABLE OF CONTENTS

	1
	<i>Page</i>
IDENTIFICATION VIEW	2
SPECIFICATIONS	3
OPERATING AND ADJUSTING INSTRUCTIONS	4-22
Importance of Proper Adjustment	4
Preparing the Plow	4
Preparing and Adjusting John Deere "520," "620," and "720" Series Tractors	4-8
Preparing and Adjusting John Deere "50," "60," and "70" Series Tractors Equipped with No 800 Series Hitch	8-10
Attaching Plow to John Deere "520," "620," and "720" Series Tractors	10-11
Attaching Plow to John Deere "50," "60," and "70" Series Tractors Equipped with a No 800 Series Hitch	11
Detaching Plow from Tractor	11
Raising and Lowering	11
Leveling	12
Width of Cut	13-15
Depth of Plowing	15
Support Stand	19
Disk Settings	16
Rear Wheel	17
Rear Wheel Weights	18
Disk Scraper	18
Safety Suggestions	22
Transporting	19
Converting No 800 Series Disk Plows	20-21
MAINTENANCE SUGGESTIONS	22
LUBRICATING INSTRUCTIONS	23
PLOWING DIFFICULTIES AND REMEDIES	24-25
SETTING UP INSTRUCTIONS	26-32
SHIPPING BUNDLES	26-27



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John Deere No. 800 Series Three-Furrow Two-Way Disk Plow

SPECIFICATIONS

TYPES	No 800 Series Two and Three Furrow Integral Disk Plow for use on John Deere "520," "620," and "720" Tractors <i>NOTE These plows may be adapted for use with a John Deere "50," "60," or "70" Tractor equipped with a No 800 Series Hitch</i>
DEPTH RANGE	Approximately 4 to 12 inches
WIDTH OF CUT	9 and 11 inches per disk by transposing frame bars and frame filler block
DISKS	24 inch, plain—Regular 26 inch, plain—Special 26 inch, notched—Special 28 inch, plain—Special 28 inch, notched—Special
DISK BEARINGS	Heavy duty, dust proof bearings, each having two large barrel bearings
REAR WHEEL	Fully adjustable Replaceable steel segments
REAR WHEEL WEIGHTS	One 70 pound weight, special An additional 50 pound weight for extreme conditions, special
GAUGE WHEEL	Steel or rubber tired, special equipment (for plows used with John Deere "50," "60," and "70" Tractors)
LIFT	Regulated by tractor hydraulic system
DEPTH CONTROL	Controlled by tractor Load and Depth Control on John Deere "520," "620," and "720" Series Tractors, controlled by gauge wheel on John Deere "50," "60," and "70" Series Tractors
SCRAPERS	Moldboard type and hoe type, special
LEVELING	Lateral (side to side) leveling controlled by leveling crank on tractor 3 Point Implement Attaching System Fore and aft leveling controlled by upper link on tractor hitch
DISK SETTINGS	Two vertical, two lateral
SUPPORT STAND	Regular equipment

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

(Specifications and design subject to change without notice)

OPERATING AND ADJUSTING

IMPORTANCE OF PROPER ADJUSTMENT

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 seedbed.

PREPARING THE PLOW

The polished surfaces of the plow disks 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, let soak for a few minutes, and then rub it off. Repeat operation if necessary.



CAUTION When using the lye solution keep it away from the body and

clothing as it may cause burns.

Also, be sure to remove the lye solution thoroughly from the polished surfaces to prevent discoloration of steel.

If the plow is not to be used immediately, protect the polished surfaces by applying a coat of cup or gun grease.

Be sure plow has been properly lubricated. See Lubrication Chart on page 23.

PREPARING AND ADJUSTING JOHN DEERE "520," "620," AND "720" SERIES TRACTORS

For complete tractor operating instructions, tire inflation pressures, and rear wheel weights, refer to your Tractor Operator's Manual.

TRACTOR DRAWBAR

Set the tractor drawbar in the short high position and bolt drawbar to the extreme left hand side of the support.

POWER SHAFT SHIELD

Remove the power shaft master shield—the flipper guard will cover the power shaft.

SWAY LOCKS

If tractor is equipped with sway locks, remove sway locks from draft link supports.

FRONT WHEEL SETTING

On wide front axle tractors set front wheels to conform to rear wheel setting.

REAR WHEEL SETTINGS

Adjust rear wheels of the tractor equidistant from the center line of the tractor. The distance between the center line of the tractor and the inside of the tire is determined by the cut of the plow. Set the rear wheels according to the following chart.

Cut of Plow	Distance From Center Line of Tractor to Inside of Tires
For 9 Inch Cut	26 1/2 Inches
For 11 Inch Cut	28 1/2 Inches

FRONT END WEIGHTING

For those plow and tractor combinations which require additional front end weighting for stability purposes, add front end weights to tractors as shown in chart below

REAR WHEEL WEIGHTING

In average conditions rear wheel weights are not necessary. In those conditions where it becomes necessary to add weight to the rear wheels, see your Tractor Operator's Manual for weighting instructions

	TOTAL FRONT WEIGHT REQUIRED	
	2-Disk	3-Disk
"520" Series Tractors		
Single Front Wheel	45	695
Dual Front Wheels with Roll O Matic	0	650
Adjustable Front Wheels	0	380
"620" Series Tractors		
Single Front Wheel	0	225
Dual Front Wheels with Roll O Matic	0	195
Adjustable Front Wheels	0	0
Standard Tractors	0	0
"720" Gas or LP Tractors		
Single Front Wheel	0	135
Dual Front Wheels with Roll O Matic	0	55
Adjustable Front Wheels	0	0
Standard Tractors	0	0
"720" Diesel Tractors		
Single Front Wheel	0	0
Dual Front Wheels with Roll O Matic	0	0
Adjustable Front Wheels	0	0
Standard Tractors	0	0

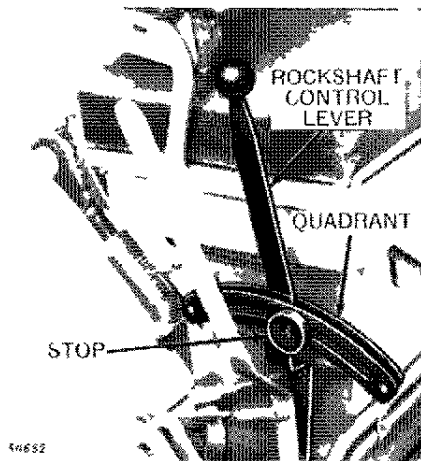
THREE-POINT IMPLEMENT ATTACHMENT SYSTEM WITH LOAD-AND-DEPTH CONTROL

The three point implement attachment system provides a fast, easy means of attaching the plow to the tractor. Once the plow is attached, precision Load and Depth Control is accomplished by the hydraulic system. See your Tractor Manual for complete explanation of Load and Depth Control.

Control Lever

Moving the control lever to the rear raises the plow, while moving the lever to the front lowers the plow.

The depth control stop on the quadrant can be set (after a few minutes operation to determine the desired position) so that the plow always returns to the same working depth when it is lowered.



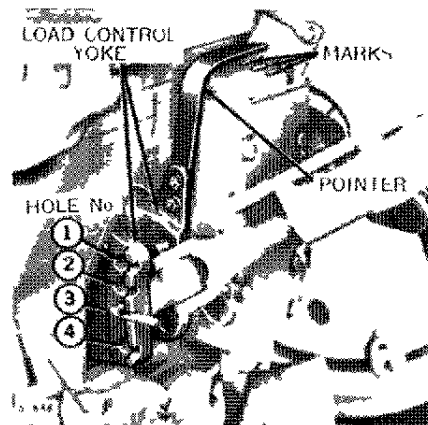
Rockshaft Control Lever Quadrant and Stop

After the stop has been set, it occasionally may be necessary to vary the set depth. If you want to raise the plow slightly, move the control lever slightly to the rear. If

you want to lower the plow beyond the set depth, move control lever to inner side of quadrant and push it past the depth control stop.

Load Control Yoke

The load control yoke has four attaching holes for the upper link. These holes determine the sensitivity of the Load and Depth Control System. The bottom hole is the most sensitive and the top hole the least sensitive.



Load Control Yoke and Pointer

Hole number three is the recommended starting setting for these plows.

Markings underneath a pointer attached to the control yoke, enable you to check to see that the proper hole is being used.

The rear edge of the pointer should "float" over the center mark. If the pointer hovers over the front marker, move the link down to a lower setting. If the pointer hovers over rear marker, the hydraulic system may not respond properly. In this case raise the link to the next hole in the yoke.

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