

# 400B SERIES INTEGRAL TOOLBAR AND 9B TOOLBAR CARRIER



JOHN DEERE

## OPERATORS MANUAL 400B SERIES INTEGRAL TOOLBAR AND 9B TOOLBAR CARRIER

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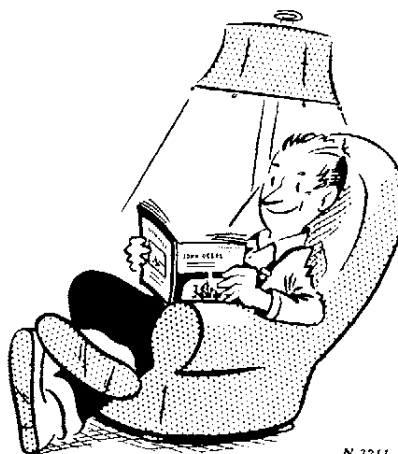
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## To the purchaser

This Operator's Manual has been carefully prepared and illustrated to provide the necessary information regarding installation, operation, and adjustments so that you may obtain maximum service and satisfaction from your new 400B Series Integral Tool Bar.

Study this manual carefully and keep it handy in a safe place for future reference.



N 3211

If you should find that you require information not covered in this manual, consult your John Deere dealer. He will be glad to answer any question that may arise regarding the operation of your tool bar. Your John Deere dealer has trained mechanics who are kept informed on the best service methods and will render you prompt service if needed.

Occasionally, your tool bar may need new parts to replace worn parts. If you will furnish your dealer the description and the information which should be recorded at the bottom of this page when the tool bar is delivered, he can give you prompt and efficient parts service.

### John Deere 400B Series Integral Tool Bar

No. of Tool Bar .....

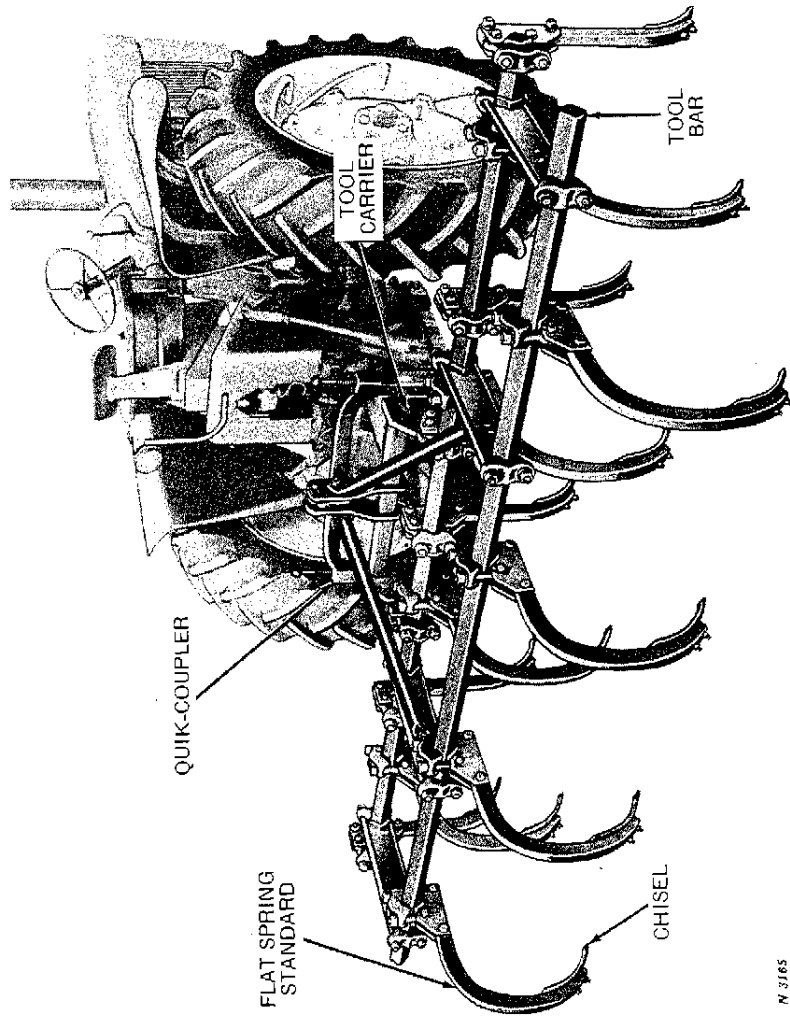
No. of Attachment .....

Date Purchased ..... 19 .....

*(To be filled in by Purchaser)*

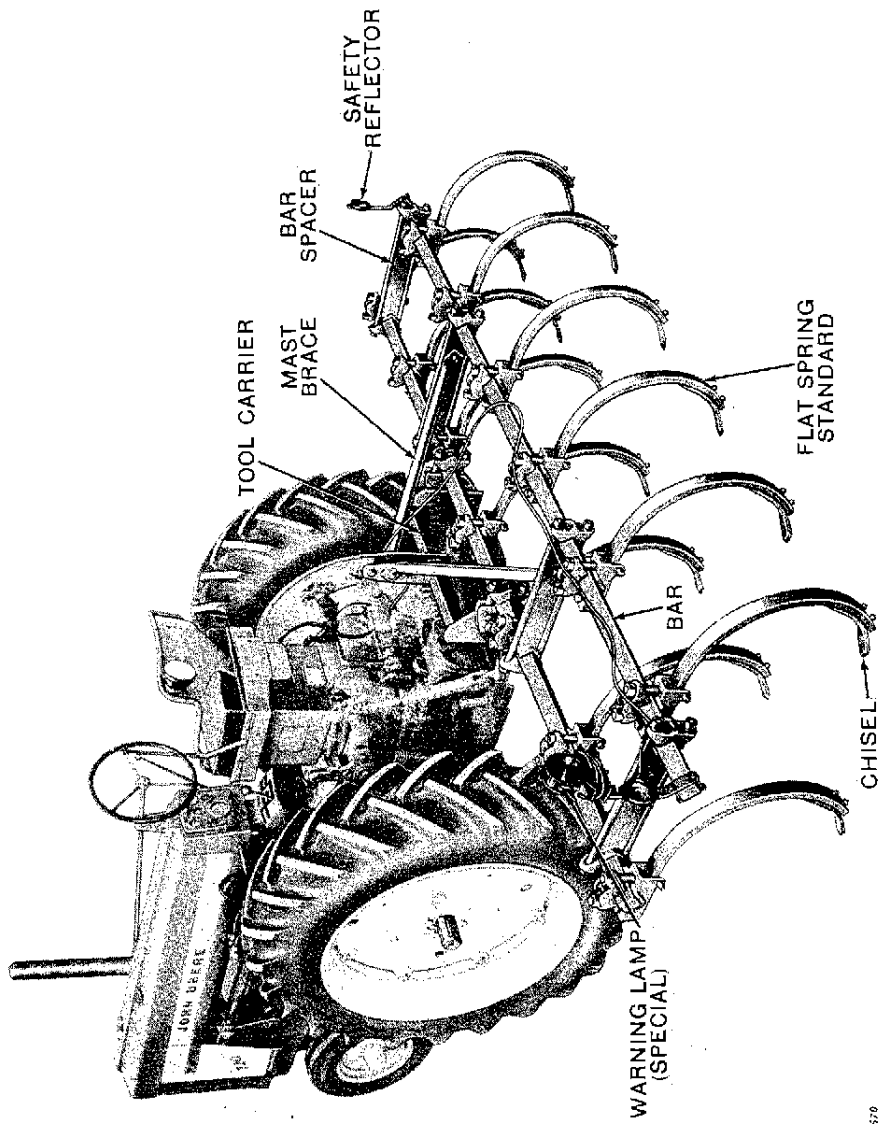
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John Deere 422B Tool Bar with Stiff Standards

N 3165



John Deere 422B Tool Bar with Flat Spring Standards

55579

## Specifications

### 400B Series Integral Tool Bar for 3-Point Hitch

410B Single Tool Bar (10-Foot)  
412B Single Tool Bar (12-Foot)  
418B Single Tool Bar (8-Foot)  
420B Double Tool Bar (10-Foot)  
422B Double Tool Bar (12-Foot)  
428B Double Tool Bar (8-Foot)

#### Attachments for 410B Single Tool Bar

11 Stiff Standards (Y916N, 14-Inch Chisels)  
11 Coil Spring Standards (Y938N, 11-Inch Chisels)

#### Attachments for 412B Single Tool Bar

13 Stiff Standards (Y916N, 14-Inch Chisels)  
13 Coil Spring Standards (Y938N, 11-Inch Chisels)

#### Attachments for 418B Single Tool Bar

9 Stiff Standards (Y916N, 14-Inch Chisels)  
7 Coil Spring Standards (Y938N, 11-Inch Chisels)

#### Attachments for 420B Double Tool Bar

5 Sub-Surface Sweep Standards (YA905N, 30-Inch Sweeps)  
11 Stiff Standards (Y916N, 14-Inch Chisels)  
11 Flat Spring Standards (Y916N, 14-Inch Chisels)  
11 Coil Spring Standards (Y938N, 11-Inch Chisels)  
7 Cushion Spring Standards (Y916N, 14-Inch Chisels)

#### Attachments for 422B Double Tool Bar

7 Sub-Surface Sweep Standards (YA905N, 30-Inch Sweeps)  
13 Stiff Standards (Y916N, 14-Inch Chisels)  
13 Flat Spring Standards (Y916N, 14-Inch Chisels)  
13 Coil Spring Standards (Y938N, 11-Inch Chisels)  
9 Cushion Spring Standards (Y916N, 14-Inch Chisels)

#### Attachments for 428B Double Tool Bar

3 Sub-Surface Sweep Standards (YA905N, 30-Inch Sweeps)  
9 Stiff Standards (Y916N, 14-Inch Chisels)  
9 Flat Spring Standards (Y916N, 14-Inch Chisels)  
9 Coil Spring Standards (Y938N, 11-Inch Chisels)  
5 Cushion Spring Standards (Y916N, 14-Inch Chisels)

**Lift.**

The tool bar is raised and lowered by the rockshaft of the tractor hydraulic system.

**Gauge Wheels (Special Equipment)**

Two different types of gauge wheels are available as special equipment on any 400B Series Tool Bar:

- Pneumatic Clamp-Adjusting Gauge Wheels (5.90 x 15 Tires)
- Crank-Adjusting Gauge Wheels (5.90 x 15 Tires)

**Chisel Adapters (Special Equipment)**

For use with subsurface standards when using chisels.

**9B Toolbar Carrier**

Hitch-mounted carrier for use with 2 or 2-1/4-inch toolbars with a variety of attachments.

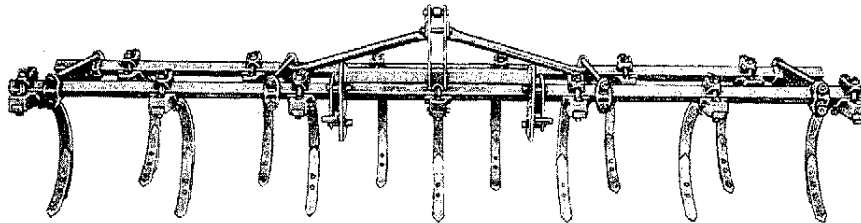
**Tractor Recommendations**

The size of the tractor to be used for the 400B Series Integral Tool Bar will depend upon the ground condition, size of tool bar to be used, and the number of standards used on the tool bar. Tractor must be equipped with a 3-point hitch. A Quik Coupler can be used.

Front frame weights are recommended with all tractors.

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

## Description



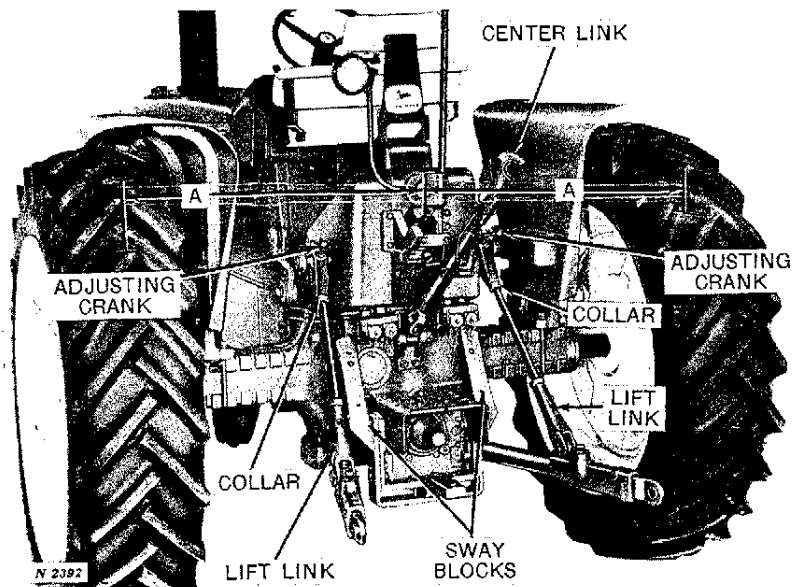
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422B Integral Tool Bar with Flat-Spring Standard Attachment

The 400B Series Tool Bar is ideal for subsurface cultivation and summer-fallow work. It is a very efficient weeder and, because of the wide variety of equipment available, it is the ideal heavy-duty cultivator for use in the field and orchard.

## Operation and adjustment

On 2010, 2020, 2510, 3020, 3010, 4020, and 4010 Tractors  
with 3-Point Hitch



### Tractor Wheels and Hitch

Set the tractor wheels at 72-inch or 56-inch spacing as shown on pages 28 through 38. Locate sway blocks in the upper position as illustrated. Set the lift arms on a 2010 Tractor for parallel operation.

See your tractor operator's manual for complete tractor operating and adjusting instructions.

### Adjusting Center Link

Set the center link to its normal length of 26-1/4 inches. Then lengthen or shorten the link as required to level the tool bar from front to back.

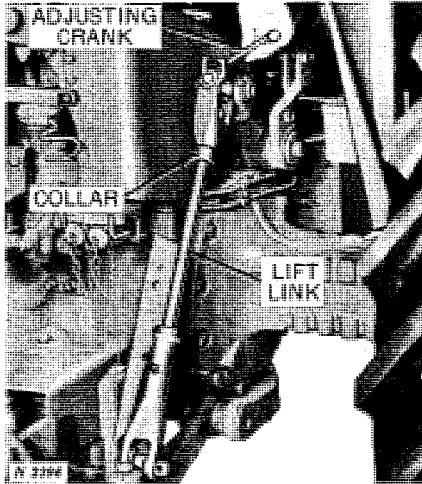
### Adjusting Lift Links

Lift links have adjusting cranks for side-to-side leveling of the tool bar.

It may be necessary to shorten or lengthen the lift links to give additional transport clearance of the toolbar or additional working depth.

Lift links should be adjusted to provide sufficient ground clearance for transporting. However, if this adjustment is made too short, even though transport clearance will be greater, the toolbar attachments will tend to lift out of the ground if the front of the tractor drops down when operating over uneven terrain.





The left lift link is usually set at its nominal length of 21-1/4 inches (with approximately 1/2-inch of threads showing above the lift link body).

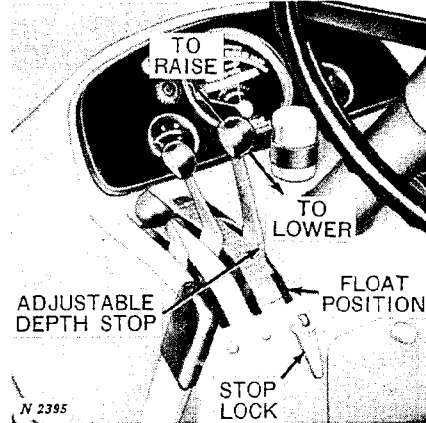
To adjust the left-hand lift link, raise the adjusting crank on the lift link and turn the crank clockwise to shorten the link or counter-clockwise to lengthen it. Make adjustment of the right-hand lift link with its adjusting crank in the same manner. After making the desired adjustment, drop each adjusting crank to the rear over the lock which holds it in place.

#### Important

When the toolbar is equipped with gauge wheels, lower the collars on both lift links down one inch to the second hole to permit up-and-down movement of the lift links.

#### Control Lever

The control lever provides manual control of the toolbar through the hydraulic system.



#### With Gauge Wheels

Use gauge wheels to determine operating depth for light draft loads or when using sweeps. Pull the rockshaft control lever all the way back to the float position to allow the toolbar to follow ground contours on gauge wheels.

Place the selector lever in the "D" position for rockshaft floating action.

**CAUTION: Do not use the gauge wheels to determine operating depth for heavy draft loads.**

For heavy draft loads, place the selector lever in the "LD" position and adjust the gauge wheels for only light contact with the ground.

#### Without Gauge Wheels

The position of the control lever determines the normal depth of operation.

Load-and-Depth Control actuates the rockshaft system automatically, regulating toolbar working depth over uneven ground and compensating for the effect of ridges and depressions.

Place the selector lever in the "LD" (middle) position.

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