

JOHN DEERE R4-6BB BEET-BEAN-VEGETABLE CULTIVATOR



JOHN DEERE

OPERATORS MANUAL JOHN DEERE R4-6BB BEET-BEAN-VEGETABLE CULTIVATOR

OMN159311 H2 English

OMN159311 H2


LITHO IN THE U.S.A.
ENGLISH





To the Purchaser

The cultivator was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need—whether it is operation, lubrication, or adjustments. Read the table of Contents to learn where each section is located.

 This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

“Right-hand” and “left-hand” sides are determined by facing in the direction the cultivator will travel when used.

Record your cultivator serial number in the space provided on page 22. Your dealer needs this information to give you prompt, efficient service when you order parts or attachments. If your cultivator requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere parts—accept no substitutes.

The warranty on this cultivator appears on your copy of the purchase order which you should have received from your dealer when you purchased the cultivator.

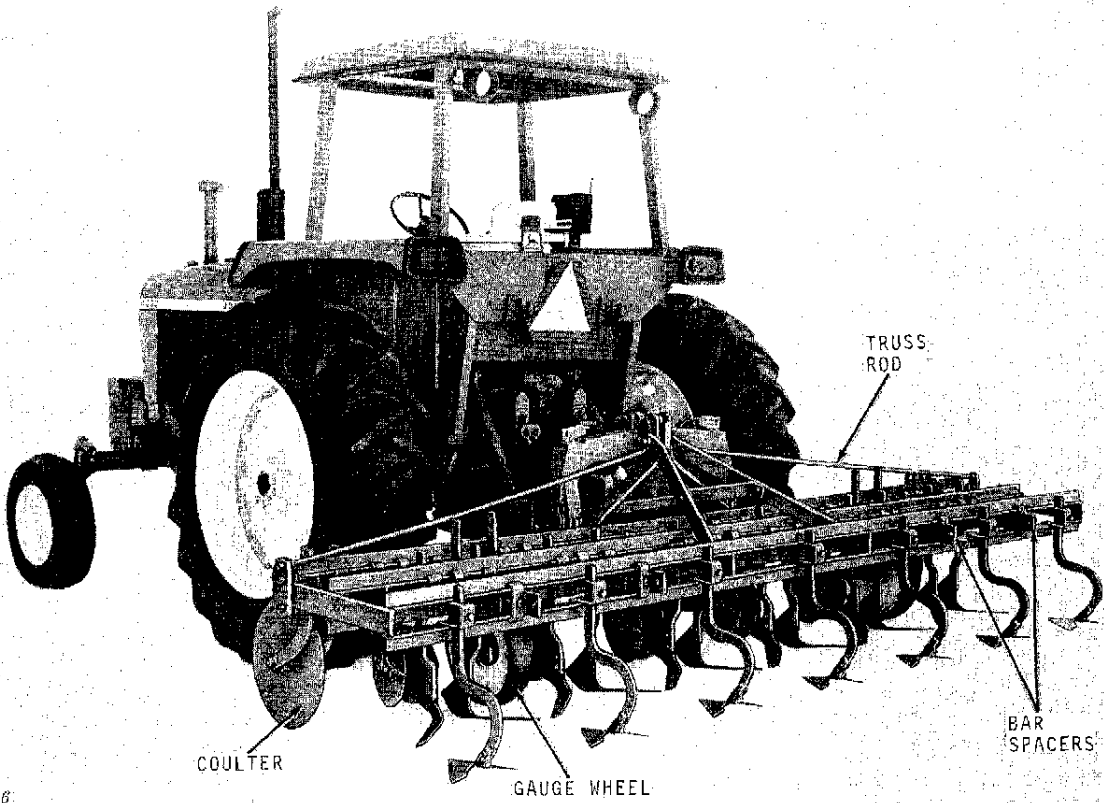


X 1277



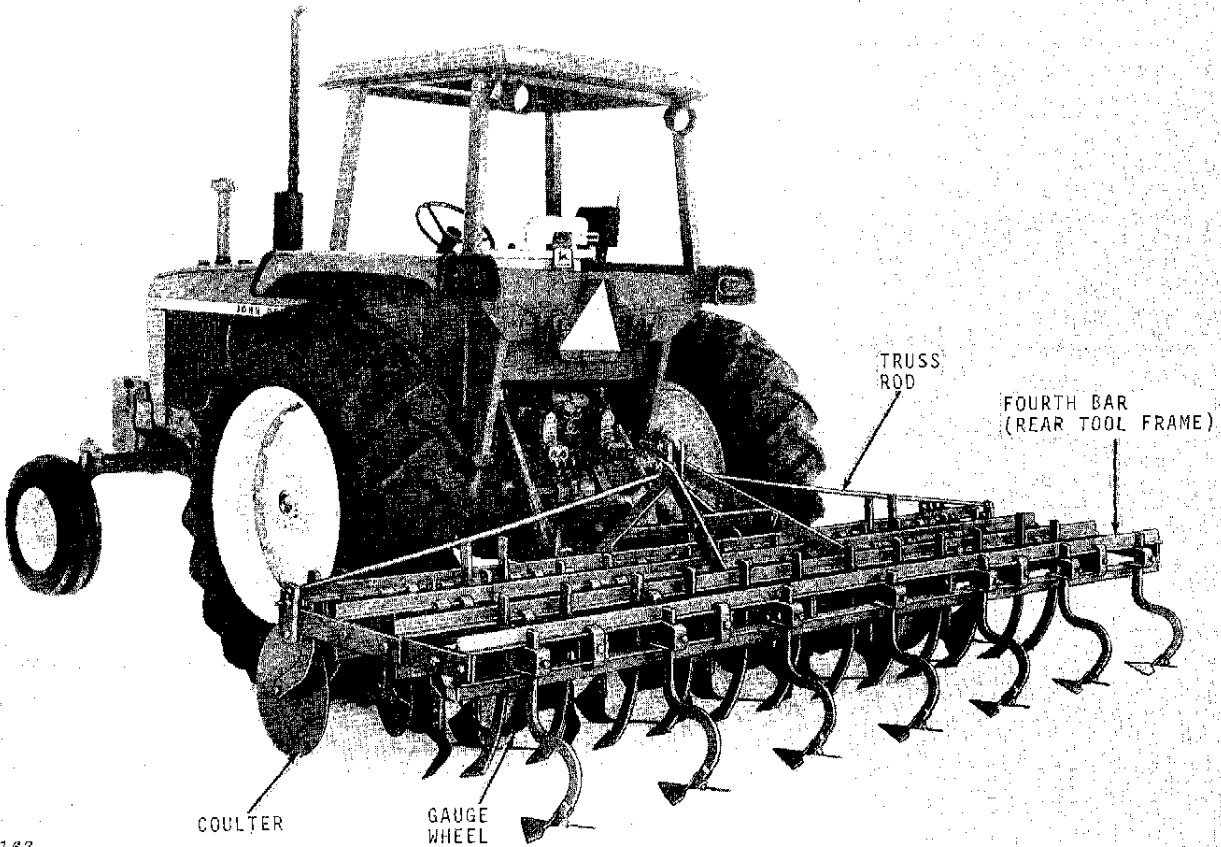
Contents

	Page		Page
IDENTIFICATION VIEWS	2	TOOL EQUIPMENT	15-17
OPERATION	3-10	Disk Weeders	15
Preparing the Tractor	3-5	Weeding Knives	15
Ballast Information	4	Square-Turn Knives	15
Rockshaft Control Lever	5	Spear Points	15
Depth of Operation	5	Sweeps	16
Attaching Cultivator to Tractor	5	Flat Sweeps	16
Detaching Cultivator from Tractor	5	Shovels	16
Guide Rod	6	Standards	16
Coulters	9	Offset Standards	16
Guide Fins	7	Spring-Trip Shanks	17
Gauge Wheels	7	Clamps	17
Row Spacing	8	ASSEMBLY	18-22
Tool Bar Spacers	8	SPECIFICATIONS	23
Tool Equipment	8		
Standards and Tool Spacing	9-10		
Maintenance Suggestions	11		
Safety Suggestions	11		
LUBRICATION	12		
SPECIAL EQUIPMENT	13		
Fourth Bar (Rear Tool Frame)	13		
Rotary Hoe	14		
Clod Breaker	14		
Rolling Shields	14		



N24166

John Deere R4-6BB Cultivator on John Deere 4030 Tractor



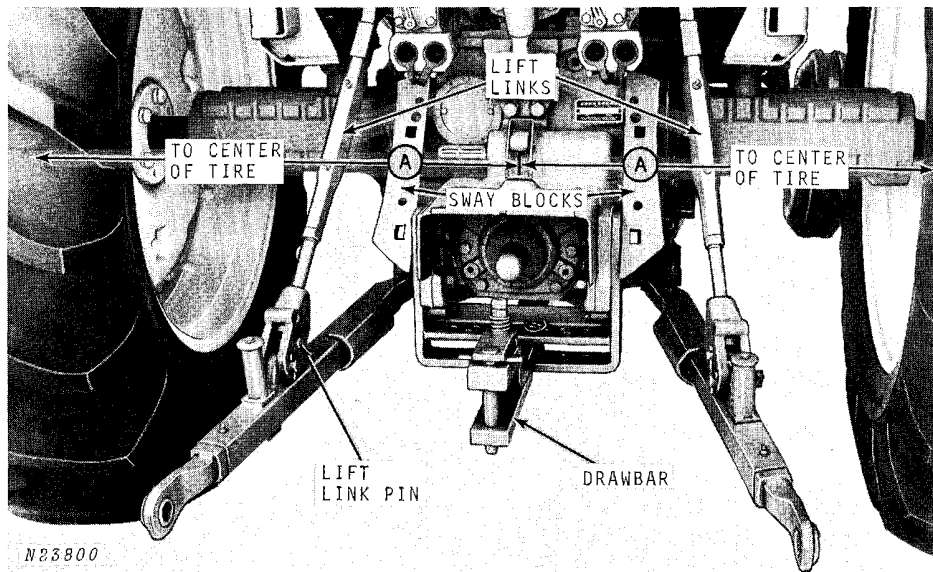
N24167

John Deere R4-6BB Cultivator Equipped with Fourth Bar on 4030 Tractor



Operation

PREPARING THE TRACTOR



Tractor with Category 3-Point Hitch

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

Wheel Spacing

Set the tractor wheels for the desired row spacing so the wheels are centered between the rows. The dimension "A" from the center of the tractor to the center of each tire should be the same.

See your tractor operator's manual for correct tire inflation pressures and instructions for wheel ballast where required.

Sway Blocks

Place the sway blocks in the upper, wide setting (as illustrated) to prevent cultivator side sway during transport. See your tractor operator's manual.

Drawbar Position

Place the drawbar in the short, center position to provide maximum clearance between rear of drawbar and cultivator.

Lift Links and Center Link

Adjust length of lift links and center link to minimum length, being sure to maintain adequate clearance between tractor tires and cultivator components. See your tractor operator's manual.

Lift Link Lateral Float Adjustment

If frame gauge wheels are used, adjust lift link pins to allow lateral float.

If frame gauge wheels are not used, adjust lift link pins to prevent lateral float, as illustrated above.

See your tractor operator's manual.

Rockshaft Selector Lever

Place rockshaft selector lever in the "zero" (depth control) position.

NOTE: On earlier model tractors, place lever in "D" (depth control) position.

PREPARING THE TRACTOR—Continued

Ballast Information

Tractor front end stability is necessary for safe and efficient operation. Therefore, it is important that the proper amount of weight be installed on the front of the tractor as recommended in your tractor operator's manual.

NOTE: Ballast recommendations provide for adequate transport stability at recommended speeds. Additional front ballast may be required for satisfactory field operation due to sudden or extreme forces on the tractor hitch, such as may occur when removing the cultivator from the ground and turning at row ends, or during field transport over very rough ground.

Instructions for Determining Ballast

Step 1-Find your cultivator model in the Implement Code Table. Enter its implement Code on Line 1 below.

Step 2-Enter an Implement Code for each attachment or option used on your cultivator, on Line 2 below.

Step 3-Add Implement Code of cultivator and Implement Code(s) for each attachment used to obtain the Total Implement Code.

Step 4-Refer to tractor operator's manual to determine required tractor front ballast.

IMPORTANT: Refer to tractor operator's manual:

1. If the total implement code exceeds the maximum implement code listed for a particular tractor model, the implement-attachment combination is not recommended for that tractor. 2. The total load on any tractor wheel due to the weight of the implement-attachment combination and tractor equipment, should not exceed the carrying capacity of the tractor tires.

IMPLEMENT CODE TABLE

Cultivator Model	Implement Code
R4-6BB - 3 Bar*	60
R4-6BB - 4 Bar*	91
Attachments or Options	Implement Code
Rear Tool Frame*	31

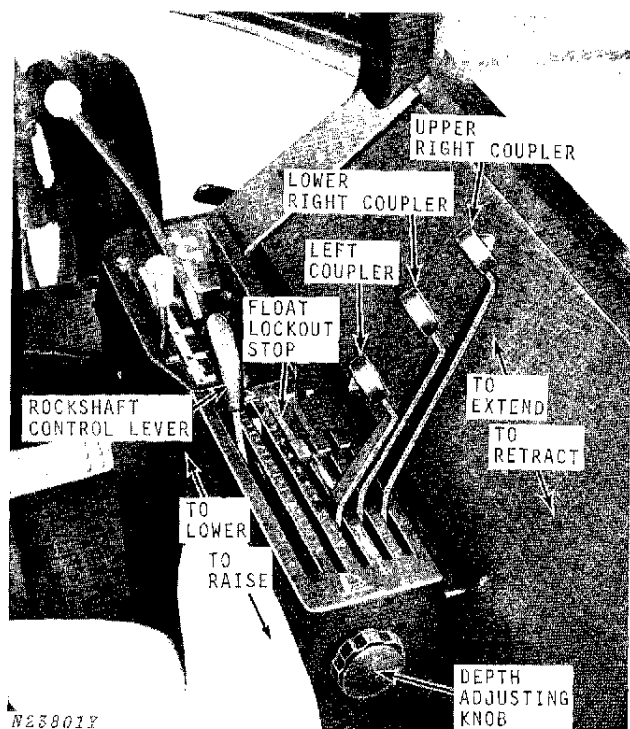
* These codes include representative tool equipment. Add additional front ballast as needed to compensate for additional tool equipment or attachments.

Line 1 _____

Line 2 _____

Total Implement Code

ROCKSHAFT CONTROL LEVER



Typical Console—4030 or Larger Tractor

Use the tractor rockshaft control lever to raise the cultivator for transport and lower the cultivator for operation.

To lower the cultivator further without resetting the depth stop, move rockshaft control lever to left-hand side of slot and forward past the stop.

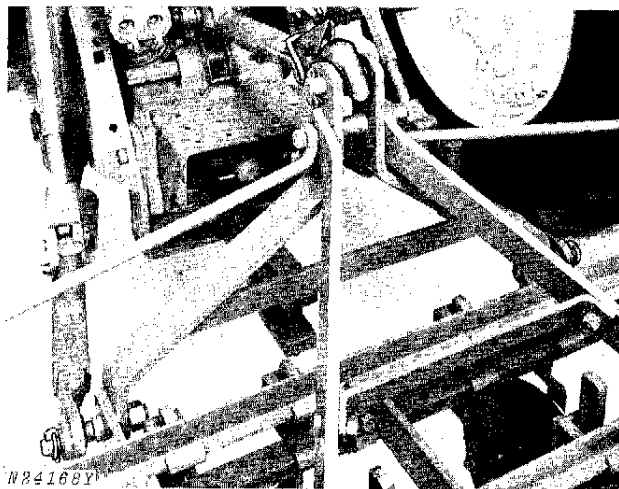
Depth of Operation

The depth of operation is controlled by the gauge wheels. When cultivating, place the rockshaft control lever in the "float" position to allow the cultivator to follow the contour of the ground. Do not use the depth stop.

However, in areas where soft spots in the field cause the gauge wheels to sink in deeper than desired, the cultivator may be raised slightly and carried by the rockshaft until the soft spot is passed.

ATTACHING CULTIVATOR TO TRACTOR

Tractor without Quik-Coupler



CAUTION: Before attaching cultivator to tractor, be sure hitch pins and spacers are completely assembled to match the hitch configuration of your tractor.

Back tractor and position draft links in front of and in line with hitch pins. Stop engine and set brakes.

Extend draft links and adjust length of lift links to enable installation of hitch pins. Install pins and secure with quik-lock pins.

Adjust length of center link, fasten to mast ball, and secure with latch lever.

Tractor with Quik-Coupler

Attach adapters (AR27093, available from your John Deere dealer) to hitch pins with spring pins.

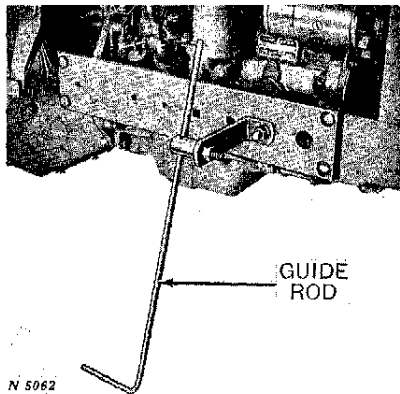
Lower coupler to allow jaws to pass under cultivator mast spacer and hitch pins. Back tractor, raise coupler to firmly seat coupler jaws, then lock latch levers. Be sure spring-loaded latches in lower coupler jaws are extended above hitch pins.

DETACHING CULTIVATOR FROM TRACTOR

Lower cultivator onto a level surface. Loosen center link as necessary to remove load from hitch.

Release center link latch lever and disconnect center link, remove hitch pins (without Quik-Coupler) or release Quik-Coupler latch levers, and detach tractor from cultivator.

GUIDE ROD



Attach guide rod and bracket to tractor as shown.

The guide rod enables the operator to keep the rear-mounted cultivator on the rows without constantly looking back at the cultivator.

Adjust the guide rod so the bottom of the rod runs over the center of the row next to the tractor. When the guide rod is adjusted properly, and the tractor driven with the rod over the center of the row, the cultivator will stay on the rows.

COULTERS

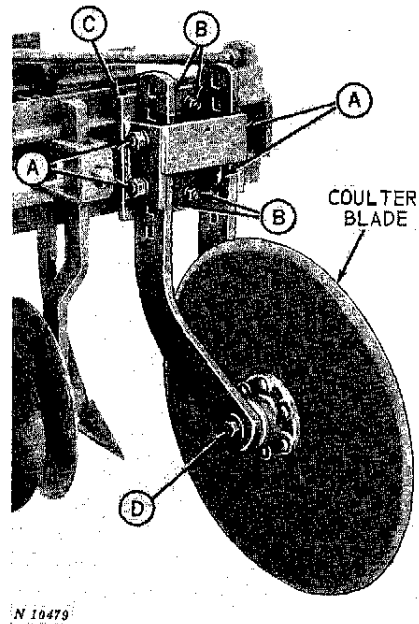
Coulters stabilize the cultivator so it will trail straight behind the tractor.

Coulters are normally mounted on the outer ends of the front of the cultivator as shown in the right hand column. If it is desired to mount the gauge wheels in this location, the coulters may be positioned on the rear of the cultivator.

Adjust the coulters from side-to-side along the tool bar by loosening the two nuts at "C" on the coulters attaching cap. The coulters should be centered between the rows.

If one coulters will stabilize the cultivator, attach it on the centerline of the cultivator, on either the front or rear tool bar.

In irrigated areas, after trenches are made, coulters may be removed if gauge wheels, positioned to run in the trenches, stabilize the cultivator sufficiently.



The rolling coulters should be positioned so it runs deep enough to prevent side sway. However, it should not run so deep that trash builds up at the hubs.

To raise or lower the coulters, remove the two bolts "A" on each standard, and raise or lower the coulters to the desired height. Replace and tighten bolts.

Align the coulters to operate parallel with the rows, so the cultivator trails properly, by adjusting the four bolts at "B."

If the coulters are not straight, loosen the bolts "B" on the side in which the front of the coulters is angled toward the row. Tighten the two bolts "B" on the opposite side until the coulters are straight. Tighten all four bolts equally after this adjustment has been made to secure the coulters in this position.

The upper and lower bolt at "B" on each side of the adjusting plate should be tightened an equal amount to allow the coulters shanks to operate in the vertical position.

NOTE: Hub bearings in anti-friction rolling coulters do not need adjustment, but hub bolts must be kept tight.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com