

RG20 AND RG40 ROW-CROP CULTIVATORS



OPERATORS MANUAL RG20 AND RG40 ROW-CROP CULTIVATORS

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LITHO IN THE U.S.A.
ENGLISH



TO THE PURCHASER

This operator's manual contains information regarding operation and adjustments so that you may obtain maximum service and satisfaction from your new cultivator.



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

Right-hand and left-hand reference is determined by standing at the rear of the cultivator and facing the direction of travel.

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 cultivator. Your John Deere dealer has trained mechanics who are kept informed on the best service methods and will render you prompt service if needed.

Record your cultivator serial number in the space provided on page 30. 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.

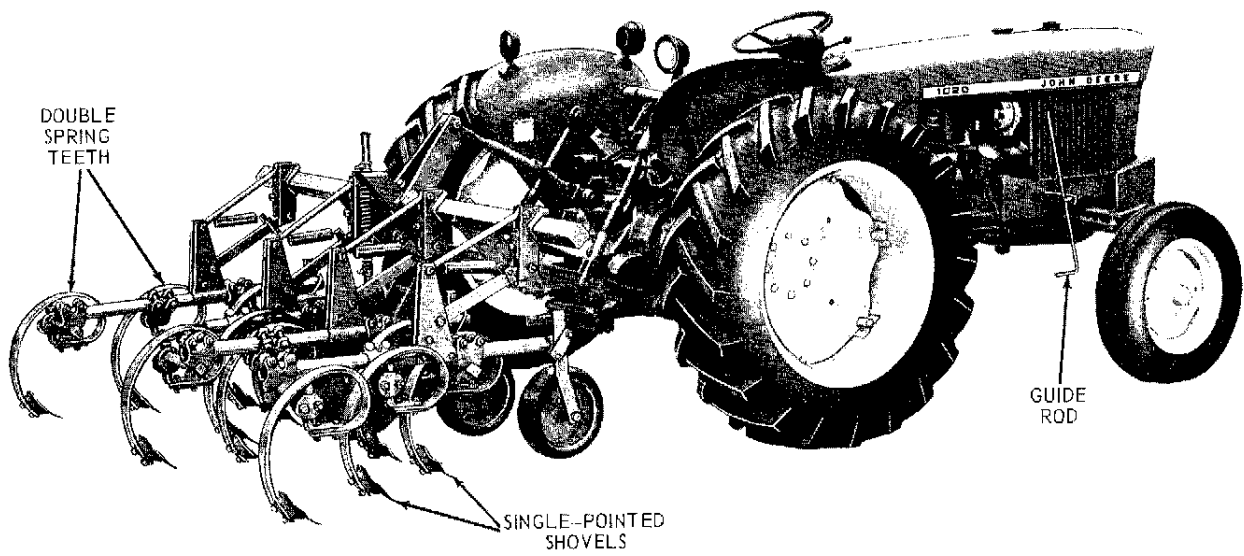


This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.



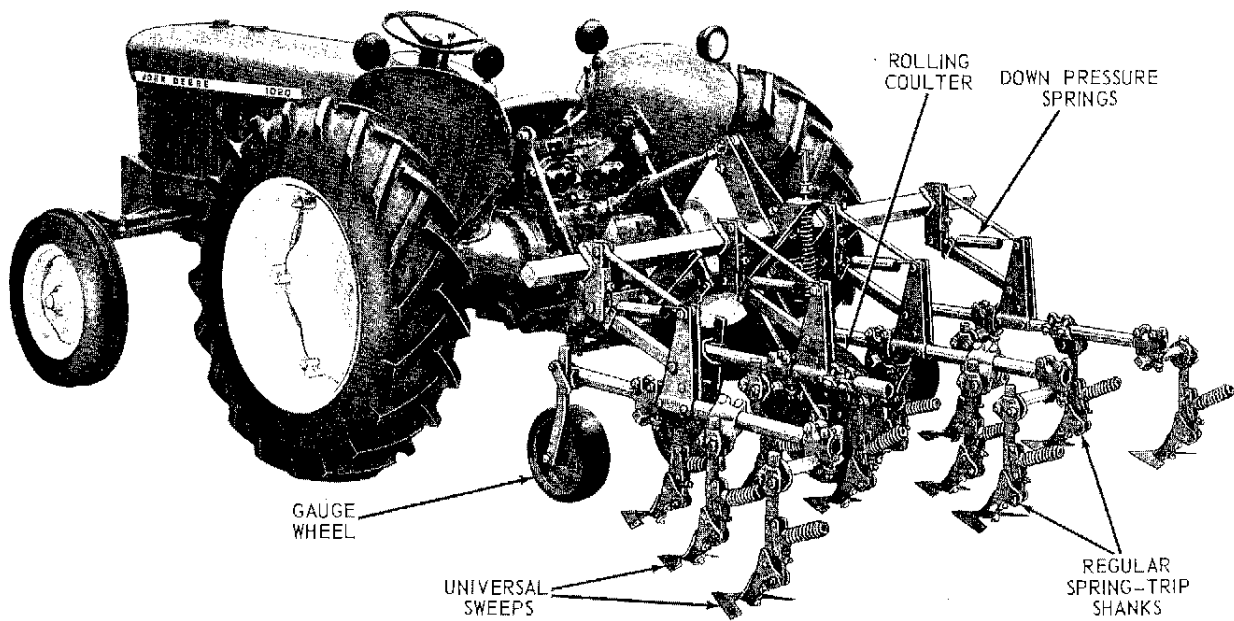
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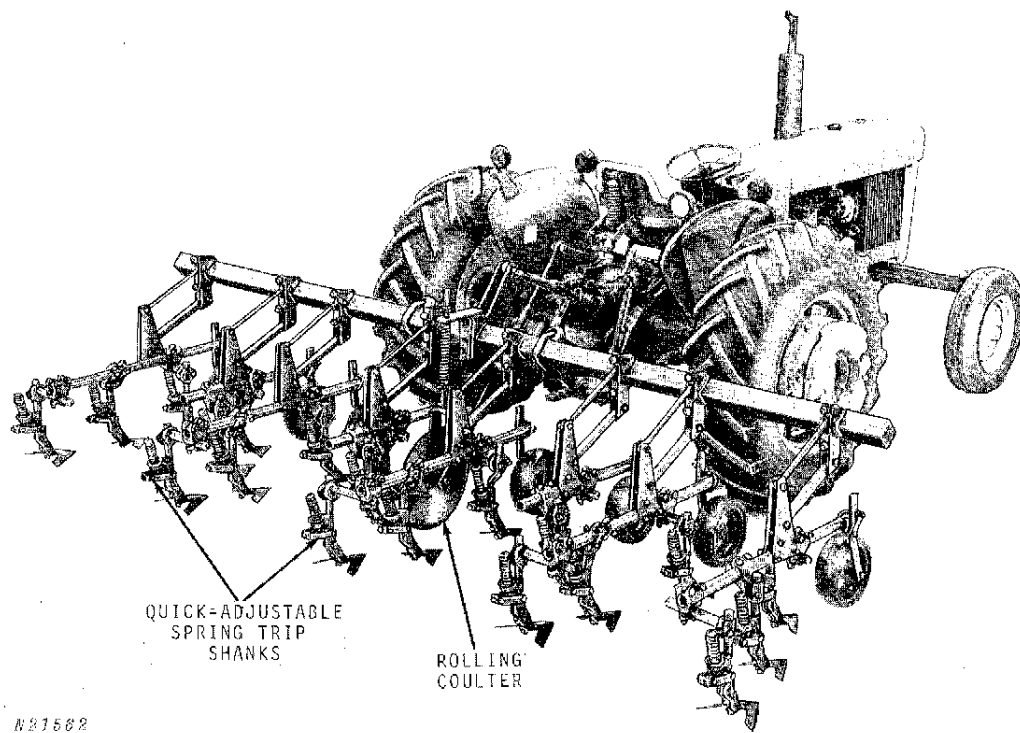
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John Deere RG20 Cultivator with Double Spring Teeth on 1020 Tractor

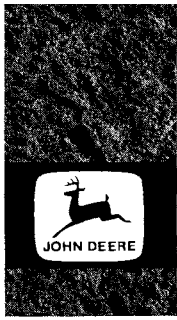


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John Deere RG20 Cultivator with Regular Spring-Trip Shanks on 1020 Tractor

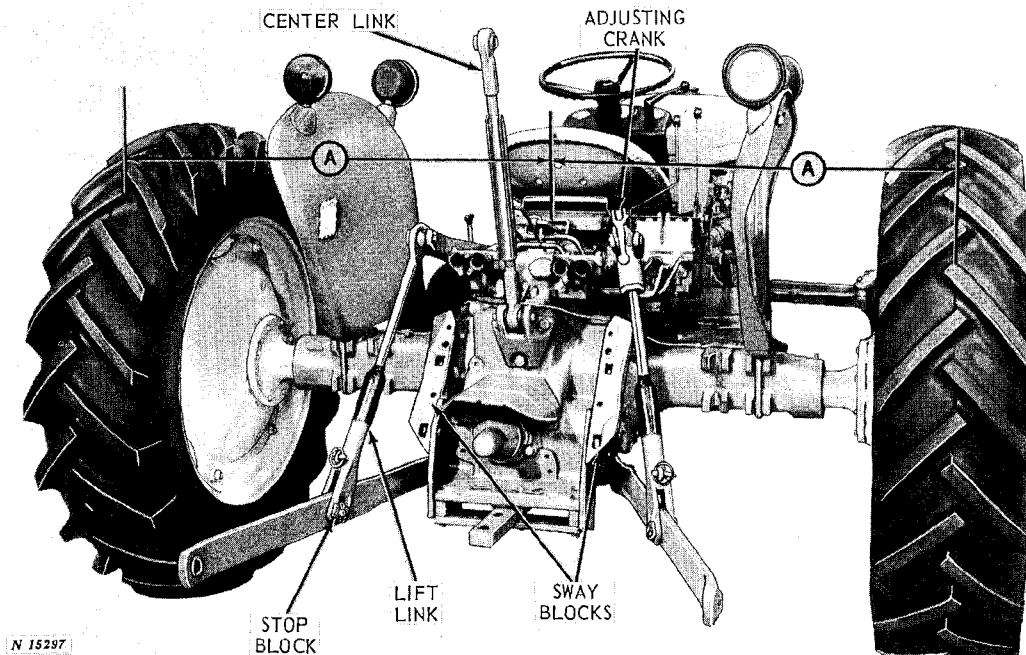


John Deere RG40 Cultivator with Quick-Adjustable Spring-Trip Shanks on 2020 Tractor



OPERATION

PREPARING 820RU, 1010, 1020, 1520, 2010 AND 2020 TRACTORS



WHEEL SPACING

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

See tractor operator's manual for correct tire inflation pressure and rear wheel ballast.

SWAY BLOCKS

Place sway blocks in the high position to prevent cultivator sway during transport. See tractor operator's manual.

SWAY CHAINS

Tractors with Category 1, 3-point hitch have sway chains. Connect the chains to prevent cultivator sway during transport. See tractor operator's manual.

DUAL HYDRAULIC SYSTEM

Adjust the dual hydraulic system on 820RU, 1010 and 2010 Tractors for parallel lift arm operation. See tractor operator's manual.

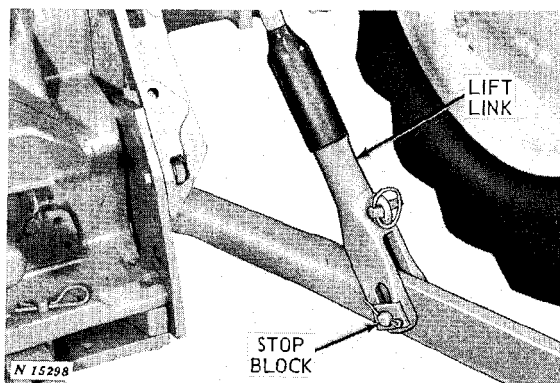
LIFT LINKS

On 1010 Tractor, attach the upper end of lift links to inner holes in rockshaft arms.

On 820RU, 1010, 1020, 1520, 2010 and 2020 Tractors, set the lift links at the minimum length as instructed in tractor operator's manual.

Float Adjustment

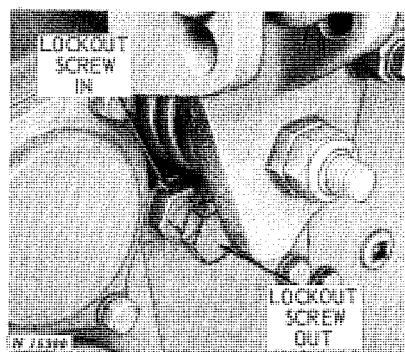
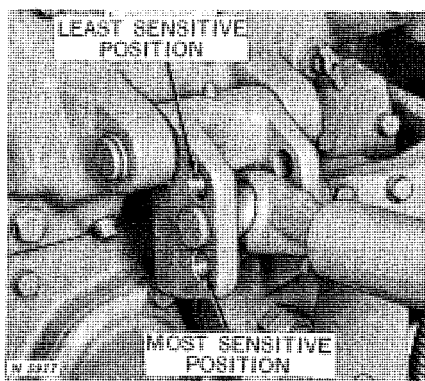
On 2010 Tractor, set lock collars up against adjusting cranks. See tractor operator's manual.



On 820RU, 1020 and 2020 Tractors, position stop blocks on lift links to prevent lift link movement.

LOAD AND DEPTH CONTROL

On 820RU, 1020, 1520, 2010, and 2020 Tractors, place the selector lever in the "D" position.



On 1010 Tractor, place the center link in the least sensitive position and turn the lockout screw out against the load control yoke.

FRONT END WEIGHT

With RG20 Cultivator, front end weights are not required on tractor.

With RG40 Cultivator, add 400 pounds for 1020RU Tractor, 300 pounds for 1020HU Tractor, 200 pounds for 2020RU Tractor, and 100 pounds for 2020HU Tractor without Quik-Coupler.

If Quik-Coupler is used, add 100 pounds of additional weight.

See page 27 for front end weight requirements when spray shields are used on the RG40 Cultivator.

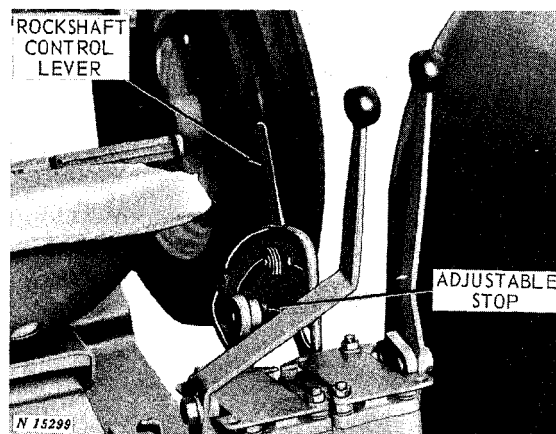
REAR TIRE LIMITATIONS

The following tire sizes are not recommended for use with the tractors listed when the No. 4 Granular Applicator Attachment is used.

Tractor	Tire Size
1020RU	11.2 - 28 4-PR
1020RU	12.4 - 28 4-PR
1020HU	12.4 - 36 4-PR
2020RU	12.4 - 28 4-PR
2020RU	13.6 - 28 4-PR
2020HU	12.4 - 36 4-PR

12.4 - 28 4-PR Tires are not recommended for use on 1520 Tractor.

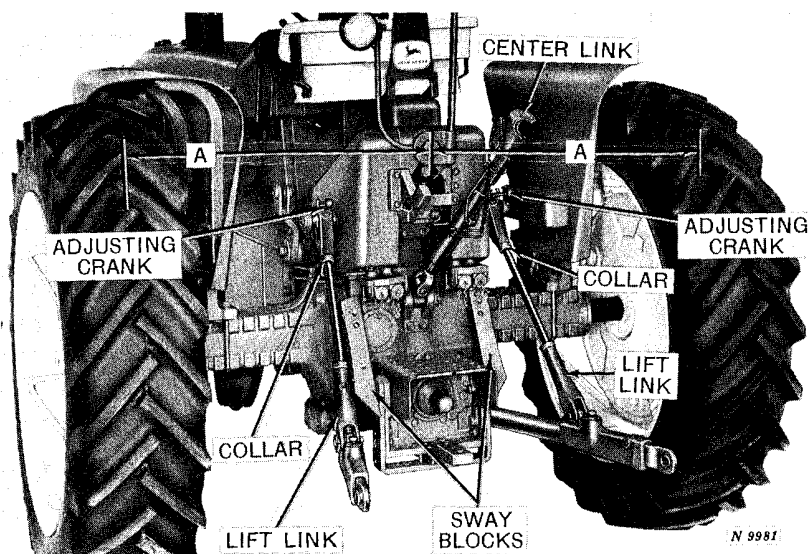
CONTROLS



The cultivator is raised for transport and lowered for operation by moving the rockshaft control lever. Set the depth stop on the rockshaft control lever so the cultivator frame stops about 28 inches from the ground when lowered for operation.

NOTE: The cultivator gauge wheels, not the tractor hydraulic system, control the cultivating depth.

PREPARING 2510, 3010 AND 3020 TRACTORS



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 tractor operator's manual for correct tire inflation pressure and rear wheel ballast.

REAR TIRE LIMITATIONS

12.4 - 38 4-PR tires are not recommended for 2520 Tractor when RG40 Cultivator is used.

SWAY BLOCKS

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

LIFT LINKS AND CENTER LINK

Adjust the length of the lift links to 29 inches and the center link to 26 inches.

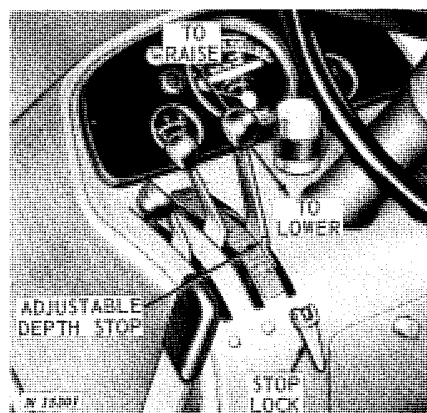
FLOAT ADJUSTMENT

Set lift link lock collars up against adjusting cranks. See tractor operator's manual.

LOAD AND DEPTH CONTROL

Place the load and depth control selector lever in the "D" position.

CONTROLS



Control Lever on Dash

The cultivator is raised for transport and lowered for operation by moving the rockshaft control lever. Set the depth stop on the rockshaft control lever so the cultivator frame stops about 28 inches from the ground when lowered for operation.

NOTE: The cultivator gauge wheels, not the tractor hydraulic system, control the cultivating depth.

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