

**RG2, RG4, RG6,
RG430 AND RG630
ROW-CROP
CULTIVATORS**



JOHN DEERE

OPERATORS MANUAL
RG2, RG4, RG6, RG430 AND RG630
ROW-CROP CULTIVATORS

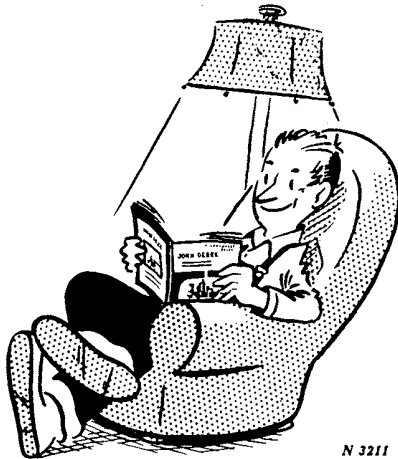
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To the purchaser



N 3211

This manual contains valuable information about your new John Deere Row-Crop Cultivator. It has been carefully prepared and illustrated. In it, you will find instructions and helpful suggestions for operating, adjusting, attaching, transporting, lubricating and servicing your cultivator. You will also find instructions for adapting your cultivator to work properly in all types of field cultivation.

Your new cultivator was built to rigid manufacturing standards. Material and workmanship are the best. Precision production methods and accurately controlled heat-treating assure maximum strength and long life for every part.

Keep this manual in a convenient place for quick and easy reference. Study it carefully. You have purchased a dependable and sturdy implement, but only by proper care and operation can you expect to receive the service and long life designed and built into it.

Give your cultivator proper attention during slack periods. By doing this, it will always be ready, without delay, when you need it.

Sometime in the future, your cultivator may need new parts to replace those that are worn or broken. If so, go to your John Deere dealer. Provide him with the model number of your cultivator and the date purchased. Record this information in the space provided below, so it will be readily accessible when it is needed.

Location references

Right-hand and left-hand references are determined by standing at the rear of the cultivator and facing in the direction of travel.

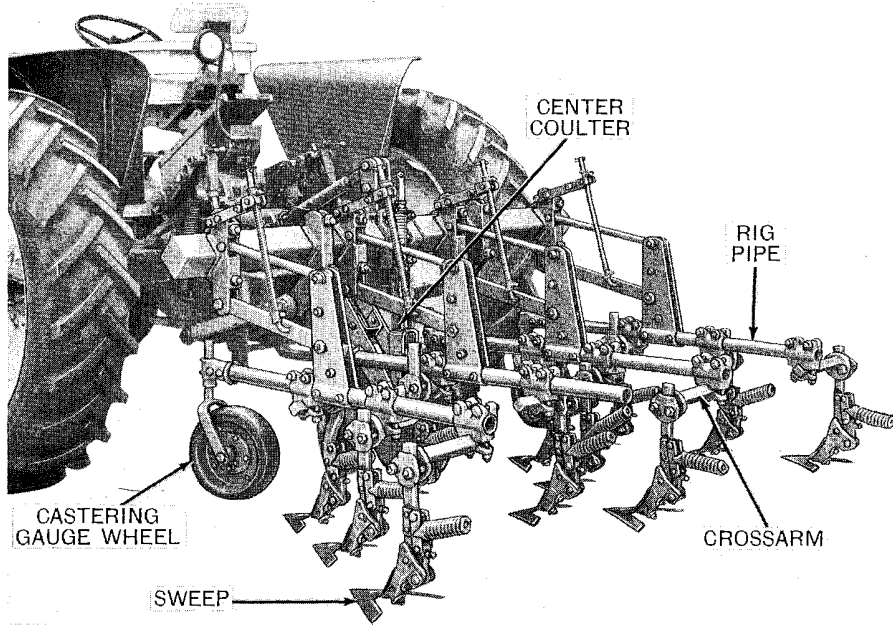
JOHN DEERE RG SERIES REAR-MOUNTED CULTIVATORS

Model

Date Purchased 19

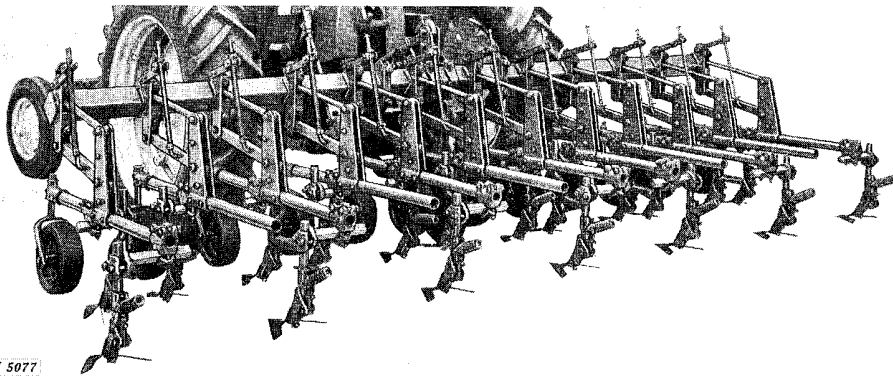
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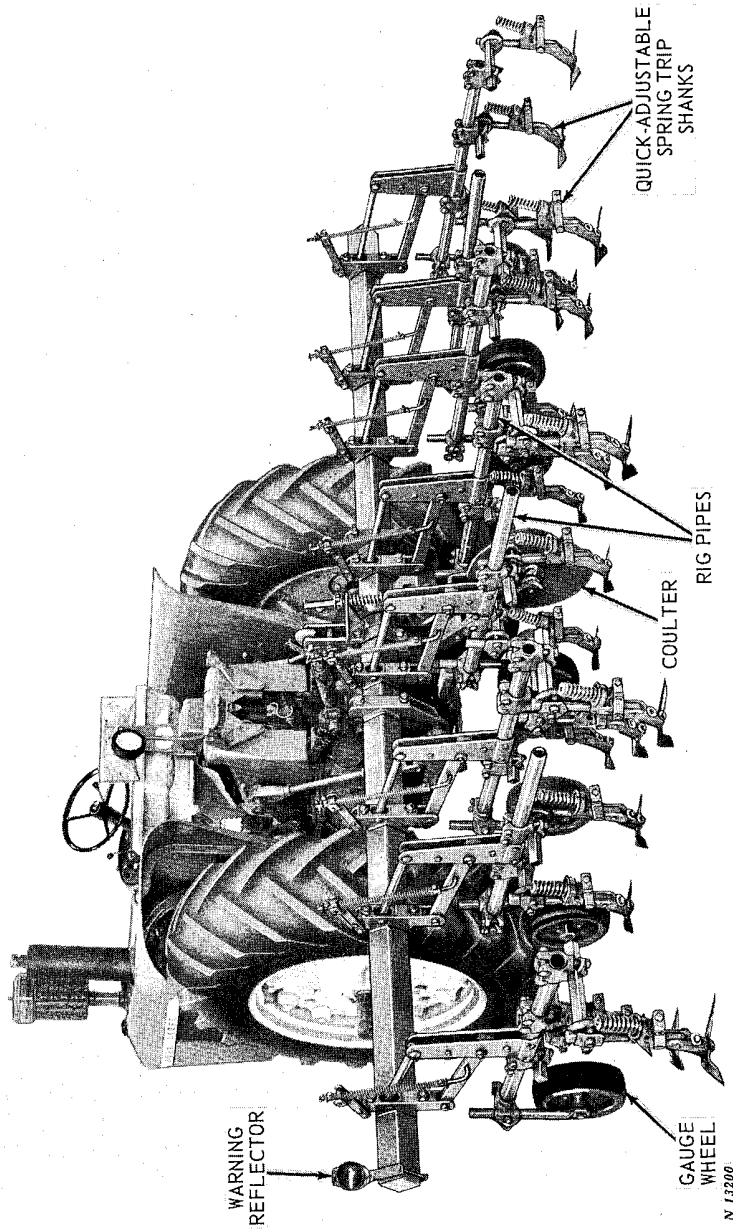
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*John Deere RG2 Cultivator with regular spring-trip shanks on
John Deere 2010 Tractor*



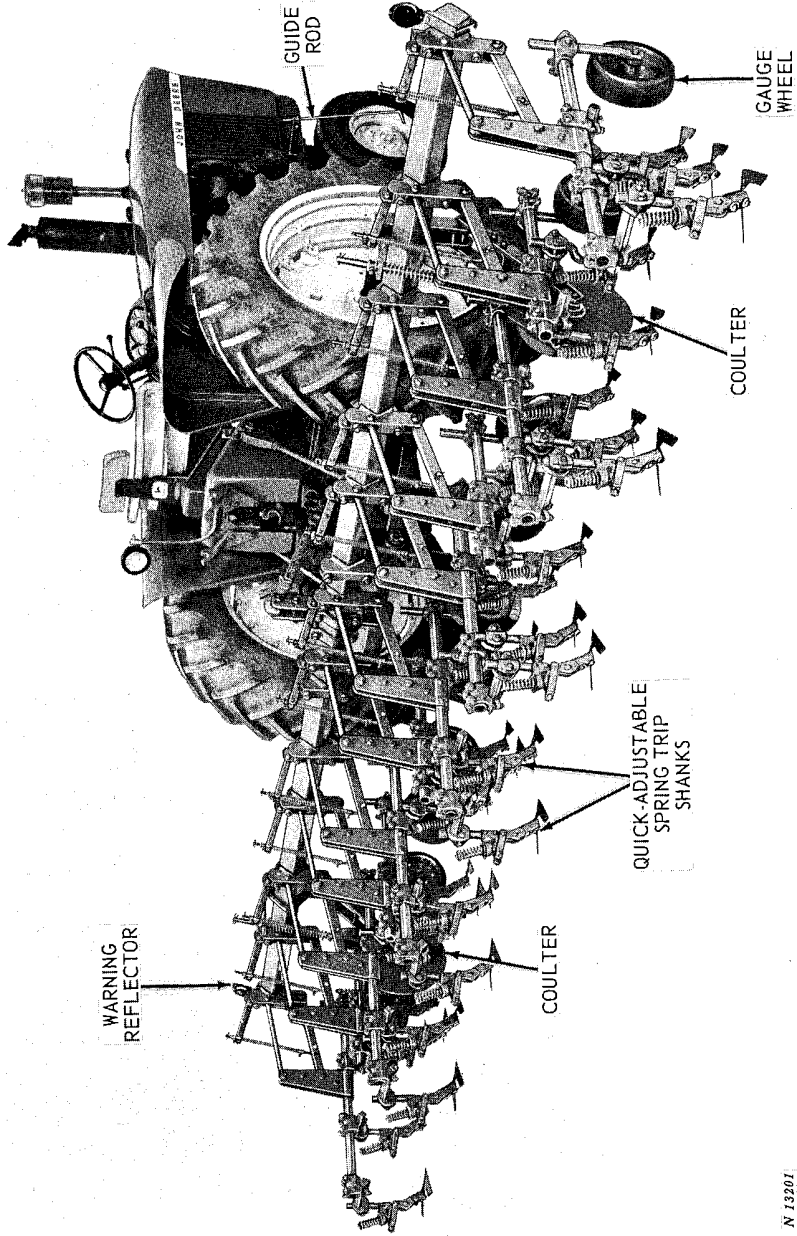
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John Deere RG4 Cultivator with No. 28 six-row attachment



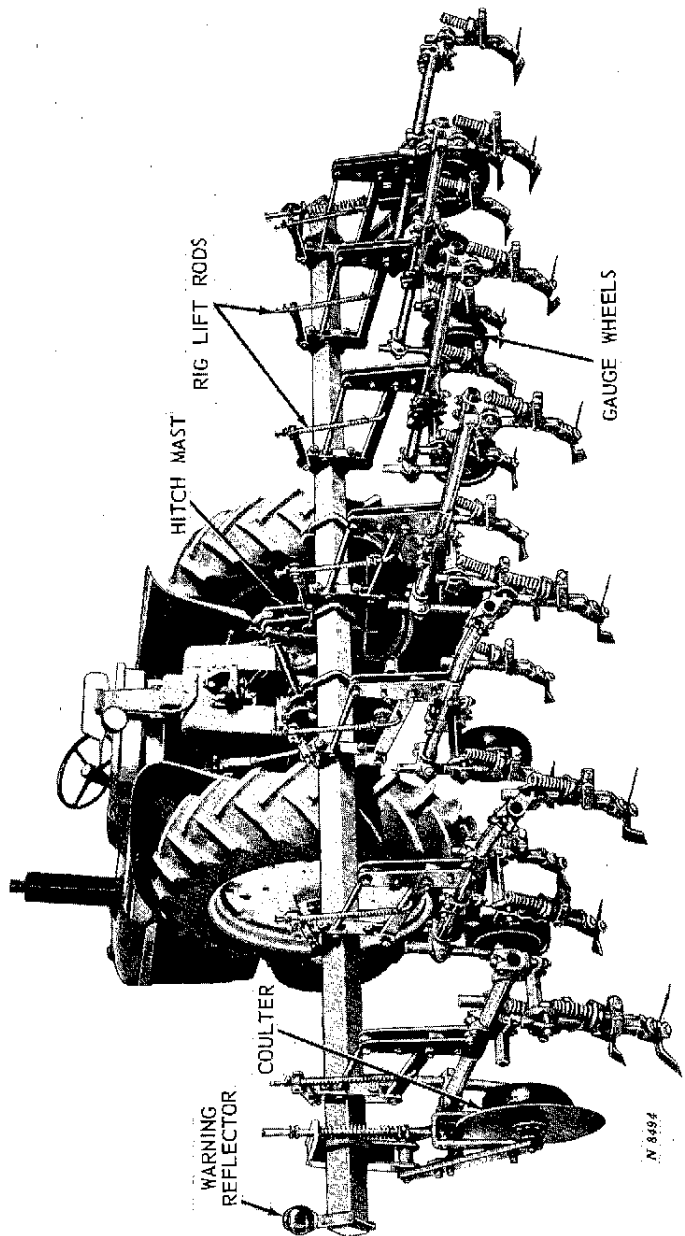
John Deere RC4 Cultivator with quick-adjustable spring-trip shanks on John Deere 4020 Tractor

N 13200

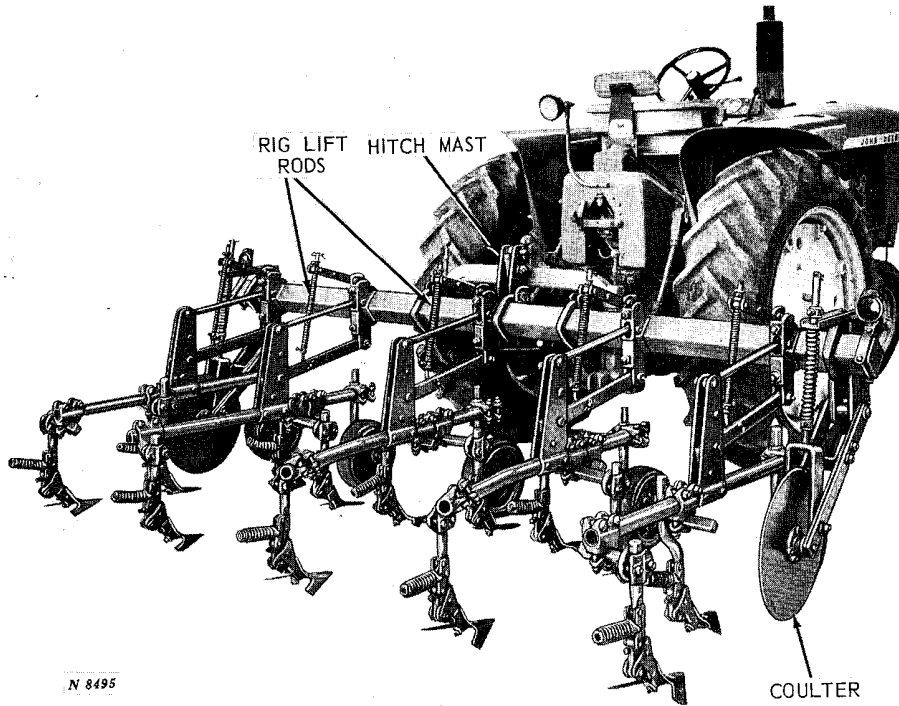


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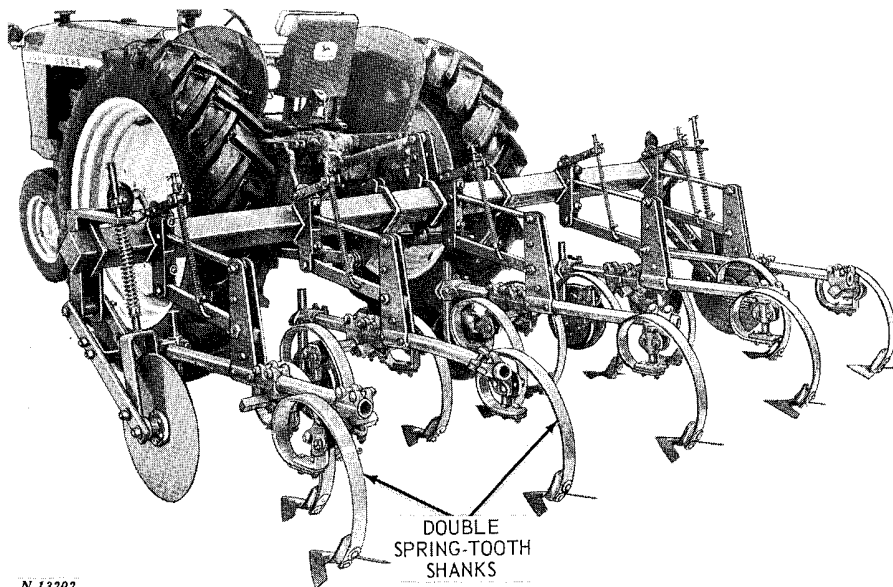
John Deere RG6 Cultivator with quick-adjustable spring-trip shanks on John Deere 4020 Tractor



John Deere RG630 Cultivator with quick-adjustable spring-trip shanks on John Deere 3010 Tractor



*John Deere RG430 Cultivator with regular spring-trip shanks
on John Deere 3010 Tractor*



*John Deere RG430 Cultivator with double spring-tooth shanks
on John Deere 1010 Tractor*

Specifications

Tractor required

RG2 and RG430 Cultivators - John Deere 520, 530, 620, 630, 720, 730, 1010, 1020, 2010, 2020, 2510, 3010, 3020, 4010, 4020, and comparable row-crop tractors with category 1 or 2, three-point hitch.

NOTE: If 3010 Row-Crop Tractor with tire sizes other than 13.9 x 36 is used on RG430 Cultivator for 22 or 24-inch rows, tractor must be equipped with a Quik-Coupler.

RG4 and RG630 Cultivators - John Deere 520, 530, 620, 630, 720, 730, 2010, 2020, 2510, 3010, 3020, 4010, 4020, and comparable row-crop tractors with category 2, three-point hitch.

RG4 Cultivator Only - John Deere 1010 Row-Crop Tractor with category 1, three-point hitch.

NOTE: Only 13.6 x 28 and 13.9 x 36 rear tires are recommended for 1010 Row-Crop Tractor with RG4, Cultivator.

RG6 Cultivator - John Deere 3010, 3020, 4010, 4020, and comparable row-crop tractors with category 2, three-point hitch.

Row spacing

RG2 and RG4 Cultivators - 28 to 42 inches.

RG6 Cultivator - 28 to 40 inches.

RG430 and RG630 Cultivators - 20 to 30 inches.

Bar size

4-inch square tube

RG2 - 6 feet long

RG430 - 10 feet, 6 inches long

RG4 - 13 feet, 8 inches long

RG630 - 16 feet, 2 inches long

RG6 - 19 feet, 4 inches long

Gauge wheels

Rigid (regular)

Castering (optional)

Rigid Anti-Friction (Optional)

Weight (Approx.)

RG2 Cultivator - 720 pounds

RG430 Cultivator - 1100 pounds

RG4 Cultivator - 1420 pounds

RG630 Cultivator - 1445 pounds

RG6 Cultivator - 2260 pounds

RG4 Cultivator with No. 28 Attachment - 1645 pounds

Rig equipment

RG2, RG4, and RG6 Cultivators

Regular spring-trip shanks with universal sweeps.

Quick-adjustable spring-trip shanks with universal sweeps.

Single spring-tooth shanks with double pointed shovels.

Heavy-duty single spring-tooth shanks with single pointed shovels.

Double spring-tooth shanks with single pointed shovels.

Friction-trip shanks with universal sweeps.

11 used on RG2 Cultivator

21 used on RG4 Cultivator

31 used on RG6 Cultivator

8 specifications

RG430 and RG630 Cultivators

Regular spring-trip shanks with universal sweeps.
Quick-adjustable spring-trip shanks with universal sweeps.
Double spring-tooth shanks with single pointed shovels.
Friction-trip shanks with universal sweeps.

13 used on RG430 Cultivator
19 used on RG630 Cultivator

Sweeps and shovels

A wide variety of types and sizes available. See pages 51 and 52.

Special equipment

All Cultivators

Rig Mounted Shields
Disk Hillers
Rotary Hoe
Hooded Shields
Weeding Knife Shanks
Heavy Duty Double Spring Teeth

RG4 Only

No. 28 six-row attachment
Outer spring mounted rolling coulters (use one at each end of cultivator with or without center coulters)
No. 18 Unit Planter

RG430 Only

No. 8 shank attachment
(8 additional shanks)

RG430 and RG630 Only

Rig bars, clamps and tool equipment for beet, bean and vegetable cultivation. See pages 47 to 50.

RG6 Only

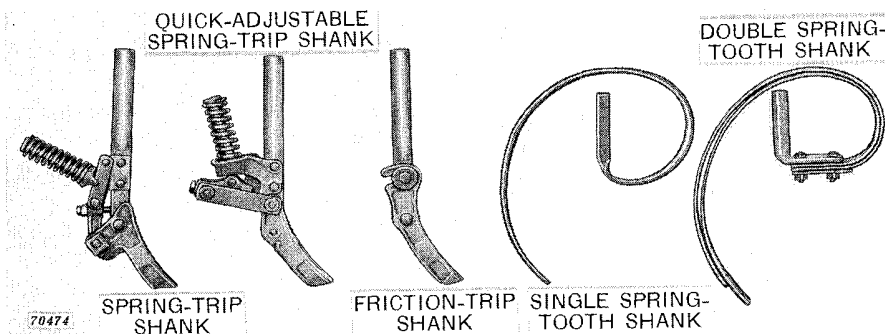
Center spring mounted rolling coulters

RG2, RG4, and RG6 Only

Spread arch

RG2, RG4, and RG430 Only

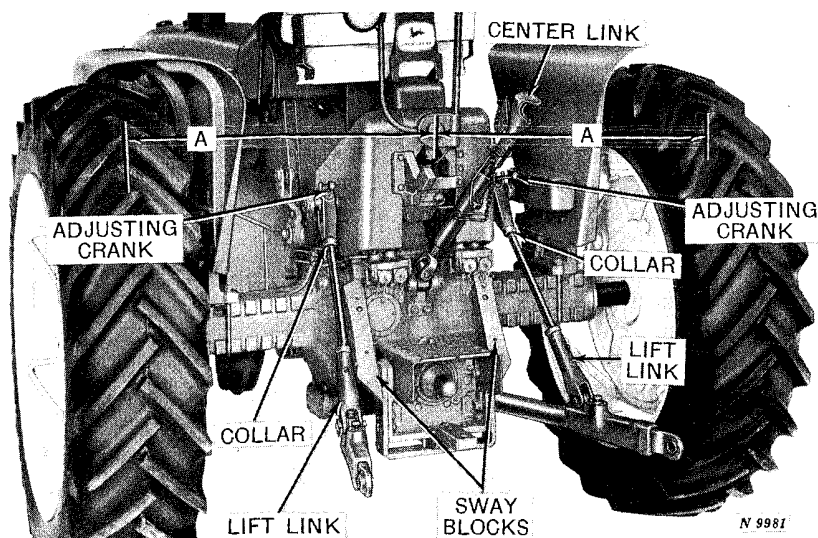
Category 1 hitch pins



(Specifications and design subject to change without notice.)

Operation

Preparing the tractor



Wheel spacing

Set tractor wheels to operate in the center of the space between rows for the row width to be cultivated. Measure from center-to-center of tires and be sure tractor wheels are spaced equidistant from the center of the tractor as at "A" above.

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

When RG4 Cultivator with No. 28 six-row attachment is used on the 2010 Tractor, use only 13.9 x 36 4-ply or 13.9 x 36 6-ply tires on rear wheels. Inflate 4-ply tires to 14 psi, 6-ply tires to 20 psi.

Sway blocks

Place sway blocks on 1020, 2010, 2020, 2510, 3010, 3020, 4010, or 4020 Tractor in the upper position in category 2 or wide setting as shown in tractor operator's manual. Remove sway blocks from other tractors.

Connect sway chains on the 1010 Tractor to the tractor drawbar frame and lift links.

Hydraulic system

On 1010 or 2010 Tractor with dual hydraulic system, adjust the hydraulic system for parallel lift arm operation.

Lift links and center link

Set the lift links on 1010, 1020, 2010, or 2020 Tractor to minimum length as instructed in tractor operator's manual. On 1010 Tractor, attach the upper end of lift links to inner holes in rockshaft arms.

When RG2, RG4, or RG6 Cultivator is used on 2510, 3010, 3020, 4010, or 4020 Tractor, adjust the length of the lift links to 29 inches and the center link to 26 inches.

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