

4240 Two-Row Cultivator for 430 and 420 Row-Crop Utility Tractor



JOHN DEERE

OPERATORS MANUAL

4240 Two-Row Cultivator for 430 and
420 Row-Crop Utility Tractor

OMN411058 (01OCT58) English

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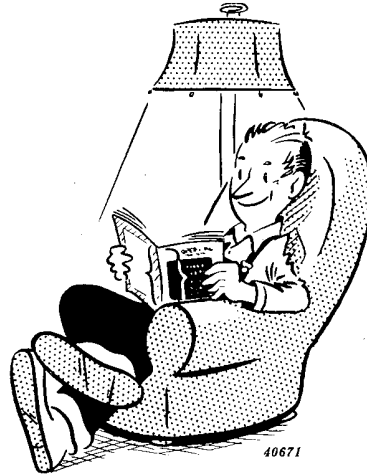
LITHO IN U.S.A.
ENGLISH



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 4240 Cultivator.

STUDY THIS MANUAL CAREFULLY AND KEEP IT IN A SAFE PLACE FOR FUTURE REFERENCE.



If you 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.

Occasionally, your cultivator 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 cultivator is delivered, he can give you prompt and efficient part service.

**JOHN DEERE 4240
TWO-ROW CULTIVATOR**

No. of Cultivator.....

Date of Purchase..... 19.....

(To be filled in by Purchaser)

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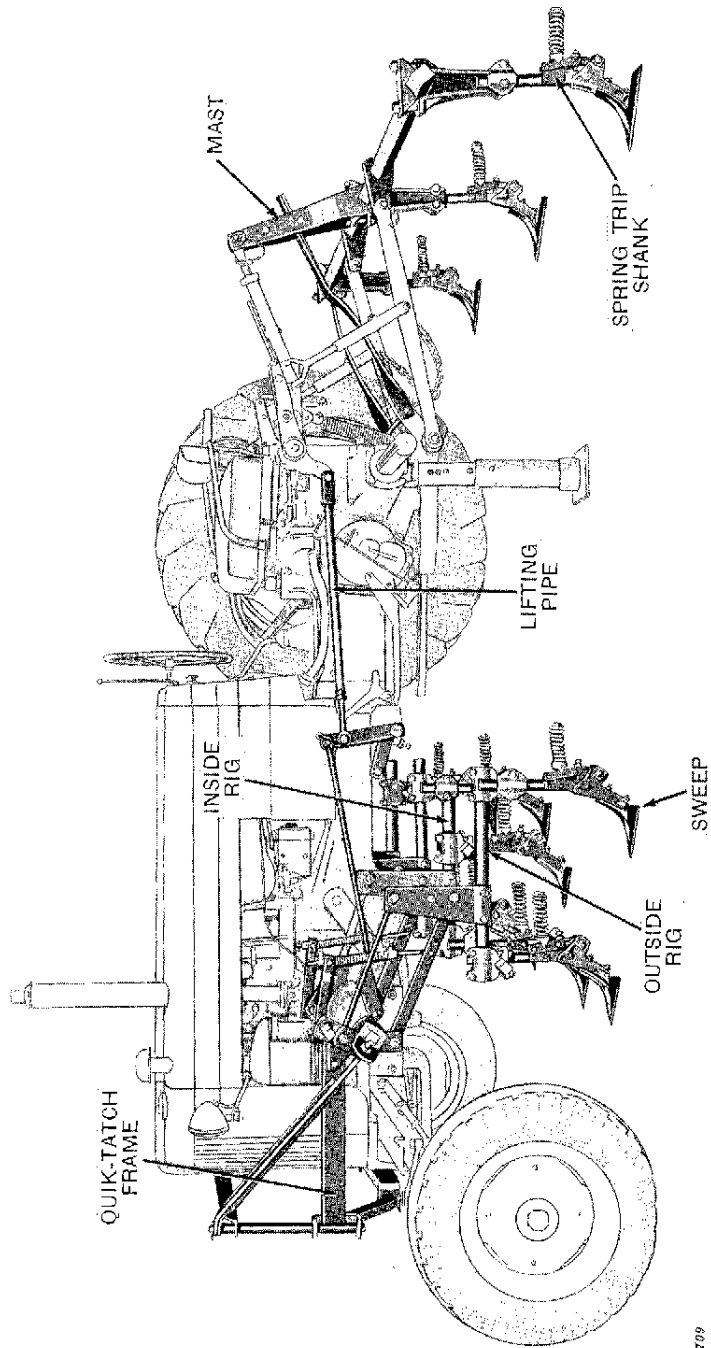
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Thank you very much for reading.

Enter the link into your browser.

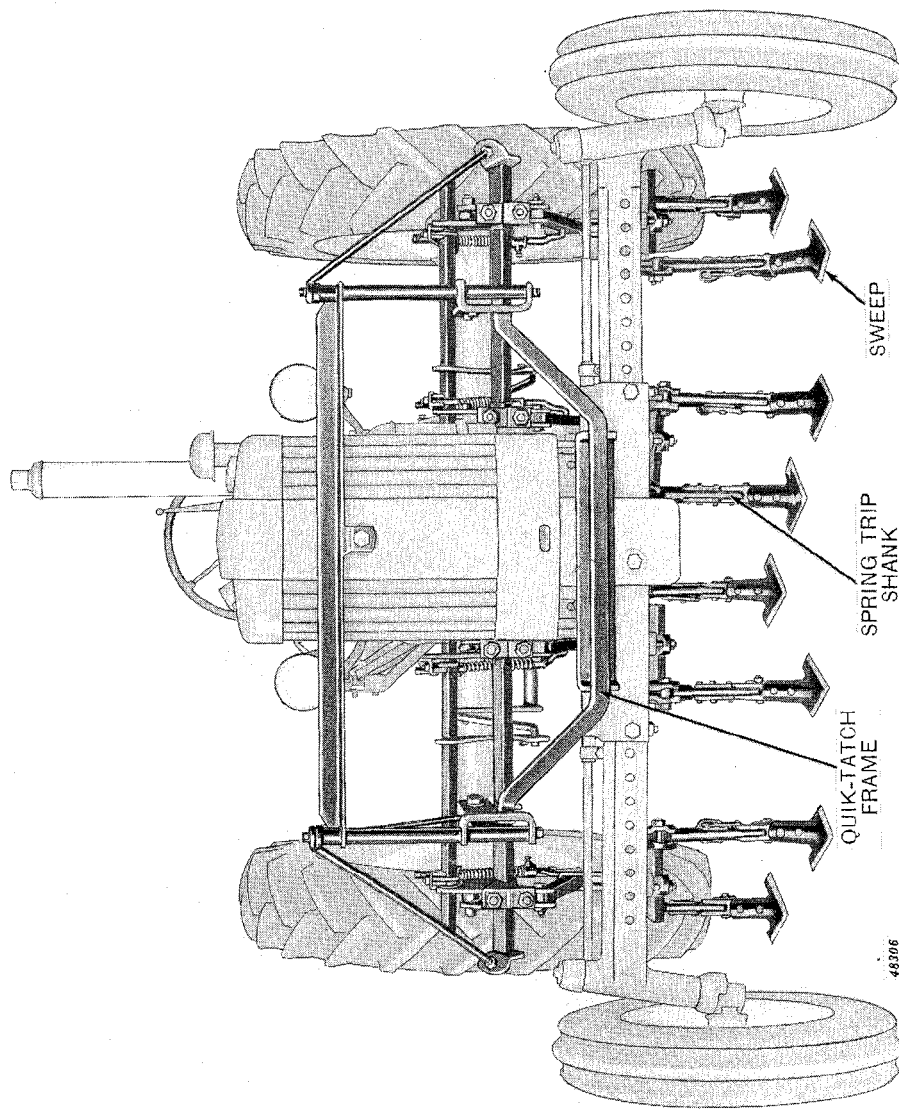
The full manual is available for immediate download.

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1—John Deere 4240 Two-Row Cultivator
(Tractor Wheel Removed to Show Cultivator Detail)



SWEEP

SPRING TRIP SHANK

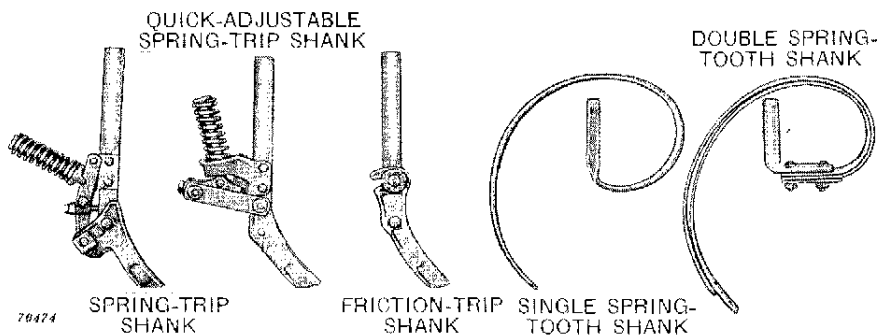
QUIK-TATCH FRAME

46306

John Deere 4240 Cultivator—Front View

SPECIFICATIONS

Cultivator Model.....	4240
Row Spacing.....	28" to 42" (Set at factory for 40 inches)
Type of Lift.....	Tractor Rockshaft-Front and Rear Rigs can be lifted independently or simultaneously.
Tractor Model Used.....	"430" and "420" Row-Crop Utility Tractors.
Tractor Fenders.....	Usable with this cultivator.
Front Rig Equipment.....	RE-2 —8 Regular Spring-Trip Shanks RE-3 —8 Quick-Adjustable Spring-Trip Shanks RE-5 —8 Double Spring-Tooth Shanks RE-14—8 Friction-Trip Shanks RE-19—8 Single Spring-Tooth Shanks



Rear Rig Equipment.....	80 Series Rear Rigs (Regular Equipment) 280 Series Rear Rigs (Optional in place of 80 Series.)
Rear Rig Shank Equipment..	82, 282, and 284—Spring Trip Shanks 83, 283, and 285—Quick-Adjustable Spring Trip Shanks. 88 and 288—Single Spring Teeth Shank
Extra Equipment.....	Plant Shields Disk Hillers Spread Bar No. 1 Knife Attachment No. 1 Center Attachment 21 Spring-Tooth Attachment

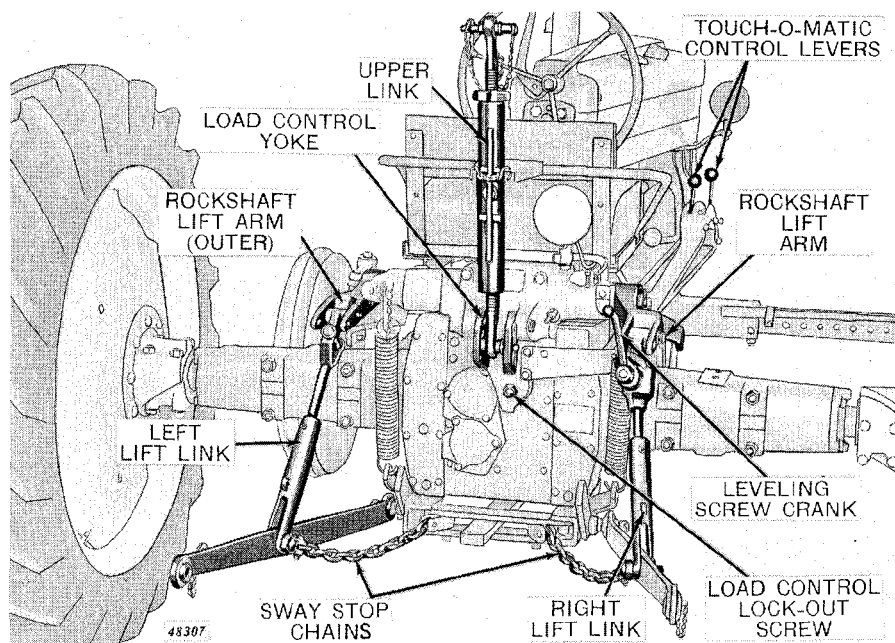
(Specifications and design subject to change without notice.)

OPERATION

The John Deere 4240 Cultivator is designed for use with the John Deere Model "430" and "420" Row-Crop Utility Tractors.

With a wide variety of clamps, shovels or sweeps available, the cultivator will do good work in all types of soil and over a wide range of field conditions. The instructions in this manual cover the necessary adjustments for the best field results. A correctly adjusted cultivator pulls easily, penetrates uniformly and kills weeds properly.

PREPARING THE TRACTOR.



Tractor 3-Point Attachment System

The front and rear wheels of the tractor should be set from 56- to 80-inches apart, center to center of tires, depending upon the width of the row.

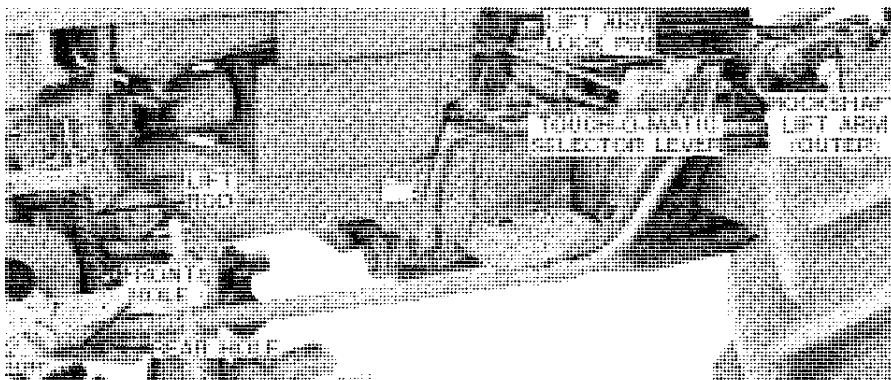
Pin upper link to center hole in load control yoke for average conditions. For light draft conditions, use bottom hole; for heavy draft conditions use the top hole in load control yoke.

Turn in load control lock-out screw so load control yoke will operate.

Pin upper end of lift links to inner holes in rockshaft lift arms.

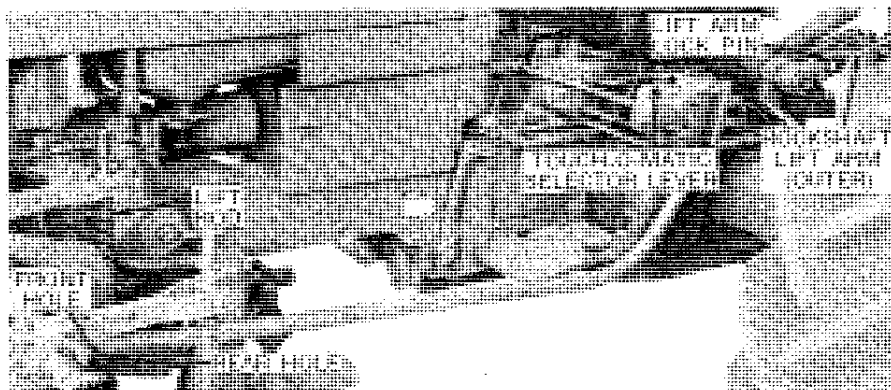
ROCKSHAFT LIFT ARMS.

The rockshaft lift arms can be operated **independently** or can be operated **together**.



Rockshaft Arms Operating Independently

To operate lift arms independently, shift Touch-o-matic selector lever to the rear position. If your tractor is equipped with a crossover hand wheel, turn the wheel counter-clockwise. See your Tractor Operator's Manual for further information. Place lock pin in carrying bracket so the rockshaft arms can be operated independently. Place lift rods in **rear hole** of rig link.

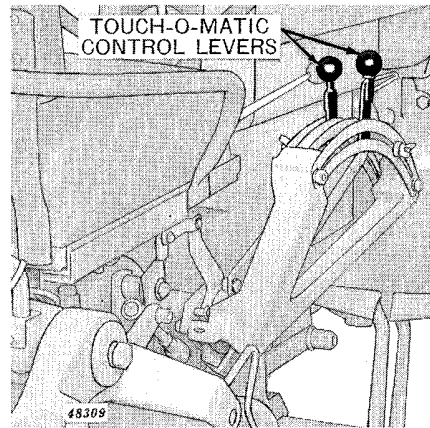


Rockshaft Arms Operating Simultaneously

If it is desired to have both cultivator front rigs and rear rigs lift simultaneously, lock lift arms together with lock pin and move Touch-o-matic selector lever to forward position and place lift rods in **front hole** of rig link.

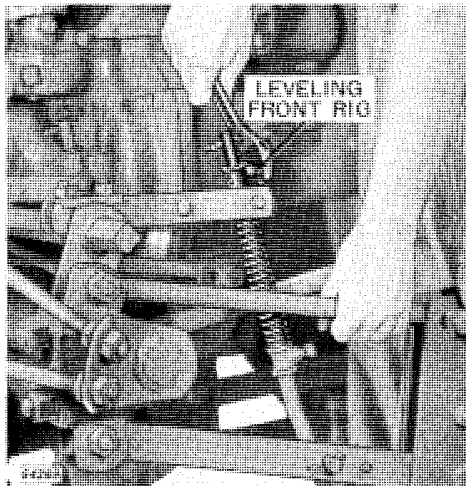
DEPTH CONTROL AND HEIGHT OF LIFT.

The depth at which the cultivator will work and the height of lift are controlled by the tractor Touch-o-matic system. With the rockshaft working as independent units, the cultivator front rigs are controlled by the **left-hand lever** and the rear rigs controlled by the **right-hand lever**.



Touch-O-Matic Controls

LEVELING FRONT RIGS.

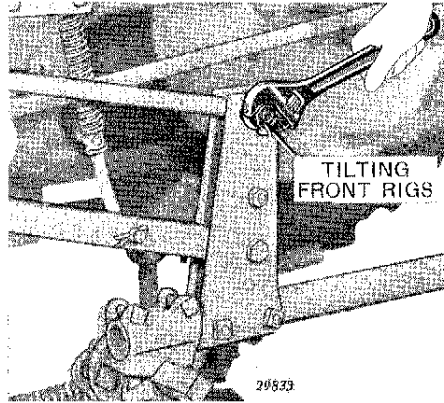


Leveling Front Rigs

Each front rig lifting rod is provided with a collar and set screw adjustment so that all rigs will operate at the same level.

TILTING FRONT RIGS.

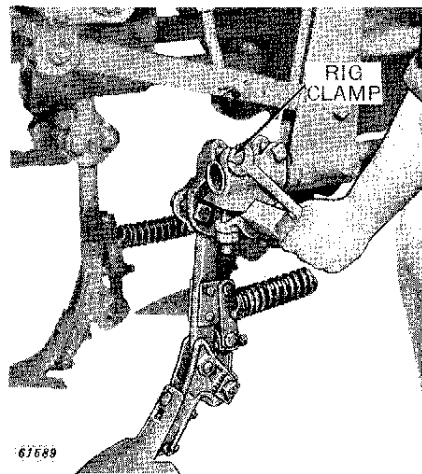
Tilt the rigs up or down so all rigs will operate at the same level.



Tilting Front Rigs

RIG CLAMP.

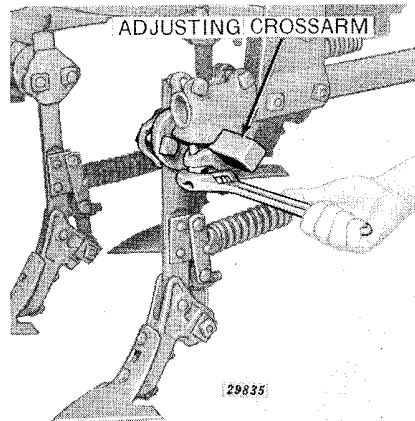
Loosen bolts which hold clamp to rig pipe, as shown at the right, and turn clamp on rig pipe so shank will be perpendicular to rig pipe.



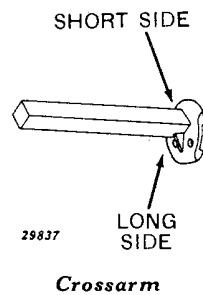
Adjusting Rig Clamp

ADJUSTING CROSSARMS.

Loosen nuts on bolts which hold crossarm and move crossarm in or out to meet the crop condition. After correct setting is obtained tighten nuts securely.



Adjusting Crossarms

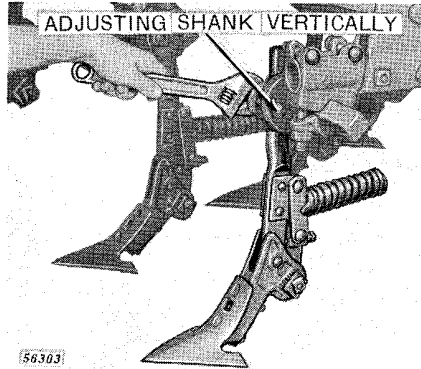


CAUTION: The clamp end of the crossarm is $\frac{3}{4}$ inch longer on one side than on the other. (Note the construction of crossarms.) The crossarm should ordinarily be installed in the clamp so that the longer side of the clamp end is down, thus providing ample vertical adjustment to level shovels or sweeps.

ADJUSTING SHANK VERTICALLY.

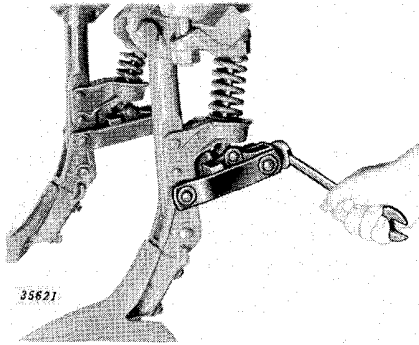
Adjust the shank vertically so that all sweeps penetrate the soil to the same depth.

All shovels or sweeps must be set in the correct relation to the ground.



Adjusting Shank Vertically

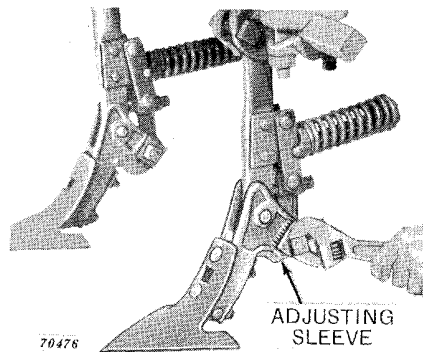
SETTING SWEEPS ON SHANKS.



Adjusting Tilt of Quick-Adjustable Spring Trips

When using quick-adjustable spring-trip shanks, adjust the bolt to tilt the sweeps as shown at the left, so that sweeps are set with relation to the ground as shown in the illustration at the top of page 11.

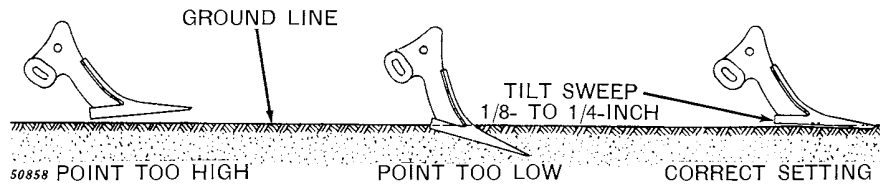
When using spring-trip shanks, adjust the sleeve to tilt the wings of the sweeps as shown at the right, so that sweeps are set with relation to the ground, as shown in the illustration at the top of page 11.



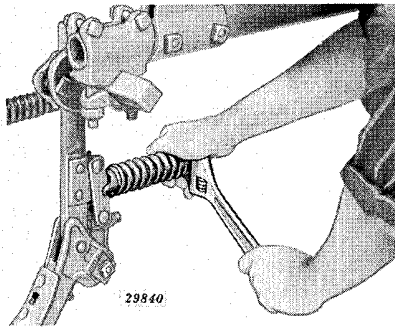
Adjusting Sleeve on Spring-Trip Shanks

LEVELING SHOVELS AND SWEEPS.

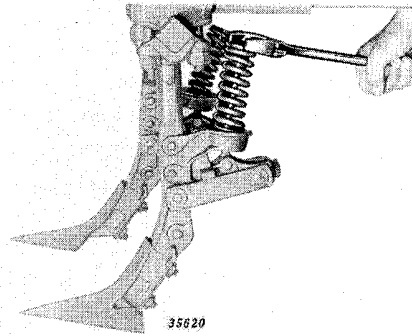
Be sure shovels or sweeps are at a uniform height to insure even cultivation.



Setting Sweeps on Shanks

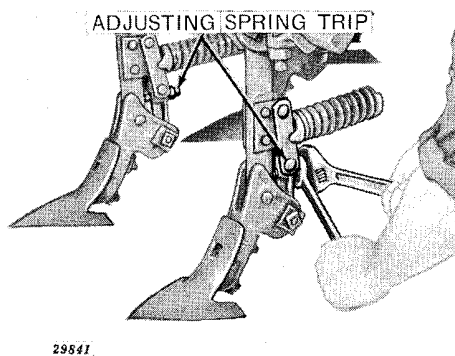
SPRING TRIPS.

Spring Trip



Quick-Adjusting Spring Trips

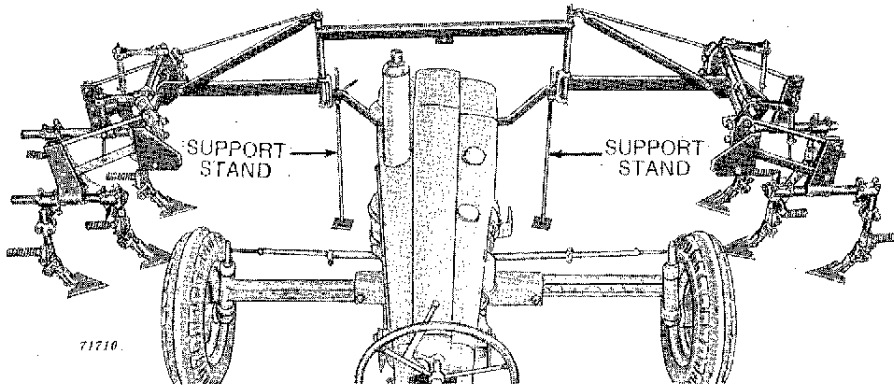
Each spring trip should be tripped before starting cultivator to be sure it will function properly. The tension of the spring trips may be adjusted at the rear of the spring.



Adjusting Spring Trip

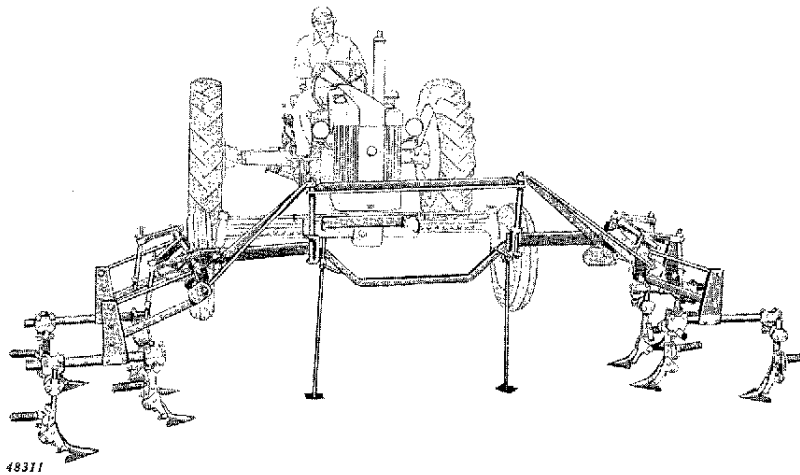
If additional adjustment is required, this may be obtained with the set screw.

This setting is made at the factory and the adjustment rarely requires changing. One-half turn of the set screw makes a big difference in the action of the trip. To make the trip hold tighter, turn the set screw out; to make the trip release more easily, turn the set screw in.

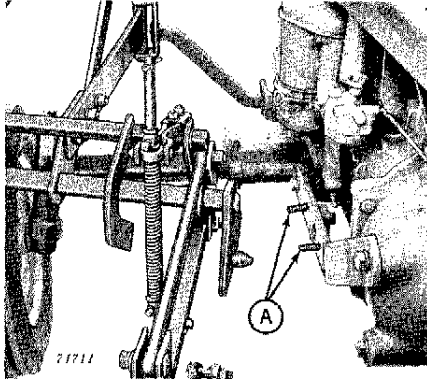
ATTACHING QUIK-TATCH CULTIVATOR.

Quik-Tatch Cultivator on Stands

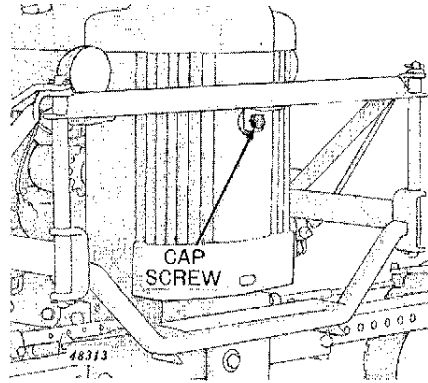
The front section of the cultivator must be in position as shown above. Drive tractor forward into cultivator until cultivator Quik-Tatch frame engages coupling fork on tractor.



Driving Tractor Into Quik-Tatch Cultivator



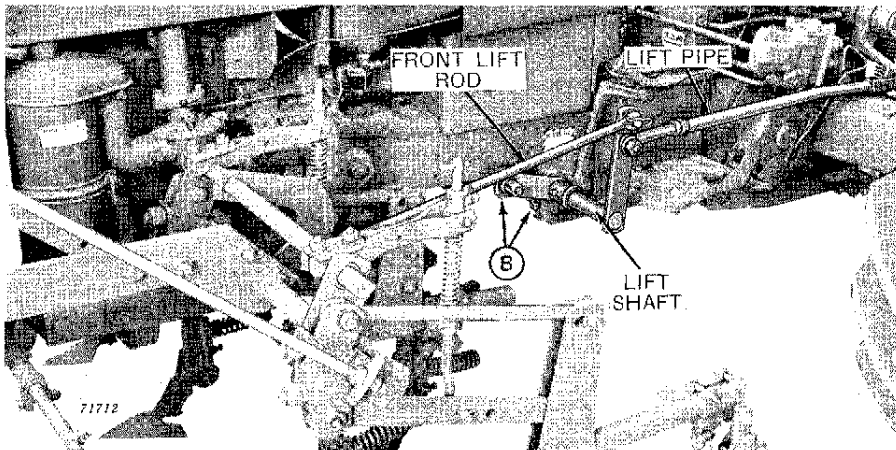
Attaching Front Frame to Tractor



Attaching Quik-Tatch Frame

Swing right and left front sections of cultivator against tractor frame, fastening each side with bolts "A."

Attach Quik-Tatch frame to front of tractor with cap screw, as shown at the right above.



Attaching Lift Shaft and Lift Pipe

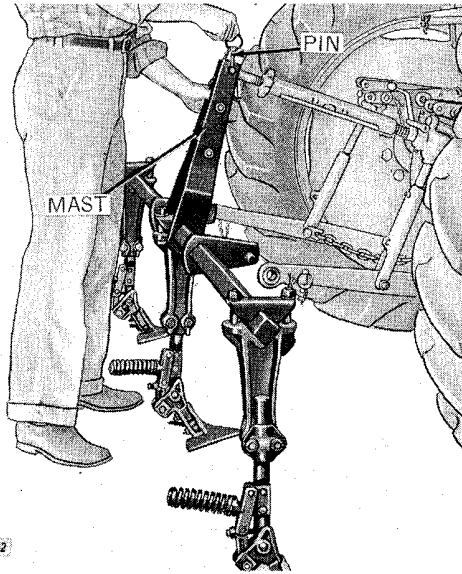
Install lift shaft on tractor attaching brackets and secure in place. Bolt clamps "B" against tractor securely. **Shaft should rotate freely.**

Attach front lift rods to cultivator front frames and lift shafts on both sides of tractor. Align lift shaft with front lift rods and tighten collar on right-hand side of lift shaft.

Install lift pipe to tractor inner rockshaft lift arm and to cultivator lift shaft. *NOTE: The notched portion on clevis of lift pipe must be at the rear, facing up and toward center of tractor.*

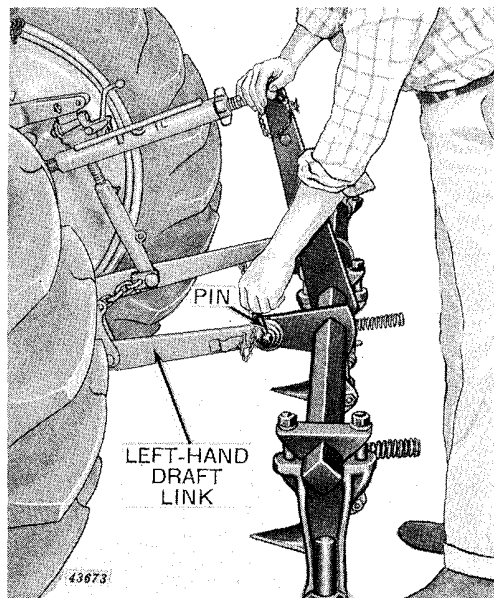
ATTACHING REAR RIGS.

Back tractor in line with rear rigs. Attach mast of rear rigs to upper link of tractor with pin.



Attaching Rear Rigs to Upper Links

Attach left draft link first and insert pin and lock.



Attaching Left-Hand Draft Link



Suggest:

If the above button click is invalid.

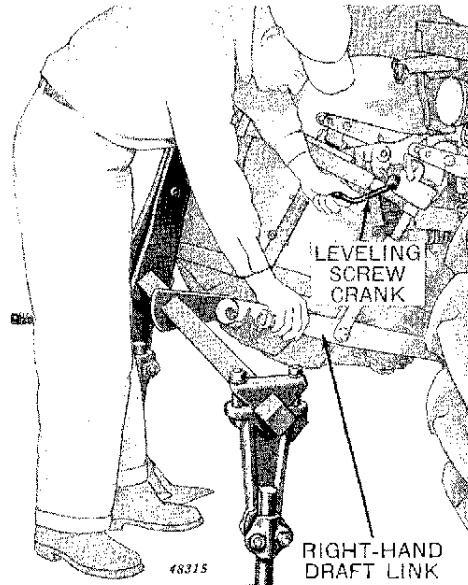
Please download this document

first, and then click the above link

to download the complete manual.

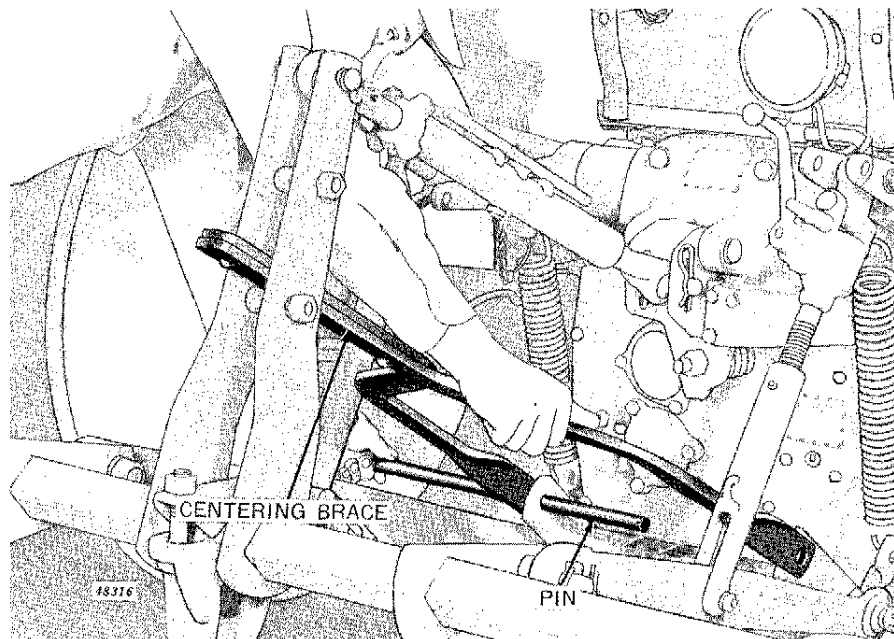
Thank you so much for reading

Attach right draft link and insert pin and lock. If necessary the leveling screw can be used to line up the right-hand draft link with the draft pin.



Attaching Right-Hand Draft Link

CENTERING BRACE.



Attaching Centering Brace

Insert centering brace in mast and then slide pin through bracket and secure with cotter pin.

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