

# T2 TWO-ROW T4 FOUR-ROW ROW CROP CULTIVATORS



JOHN DEERE

## OPERATORS MANUAL T2 TWO-ROW T4 FOUR-ROW ROW CROP CULTIVATORS

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## To the purchaser



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 new 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 this manual 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, and 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 T2, Two-Row and T4 Four-Row CULTIVATORS

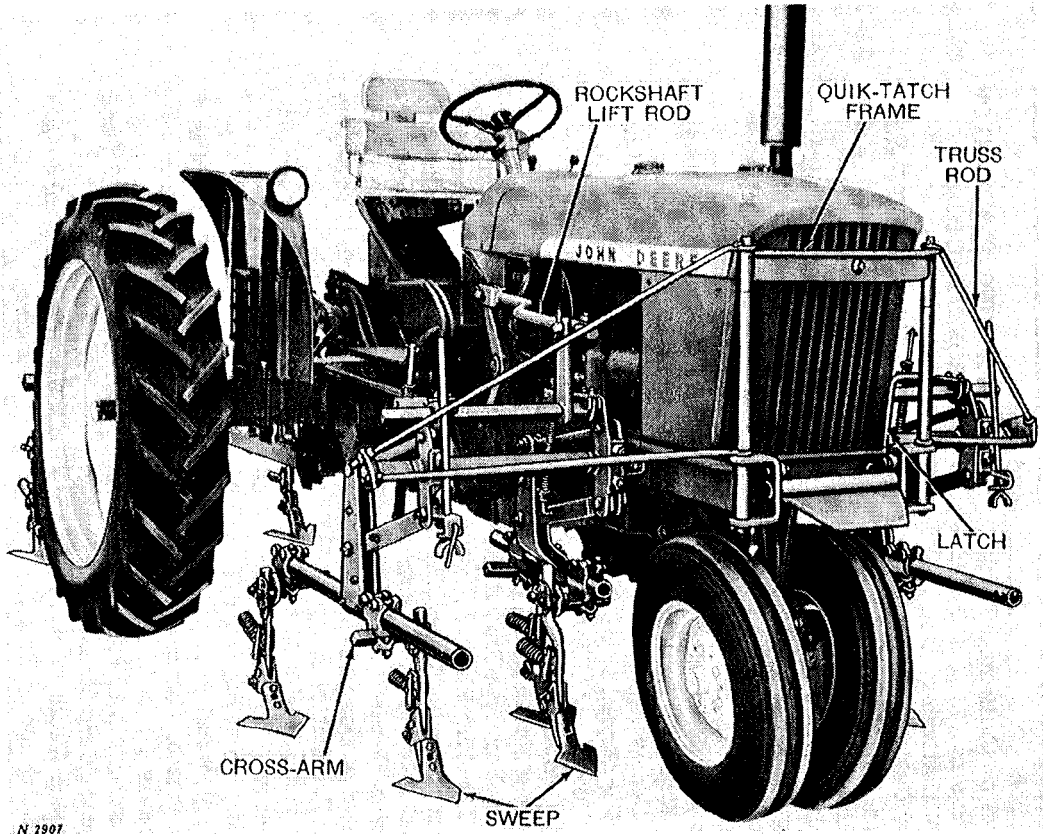
Cultivator Model . . . . .

Date Purchased . . . . . 19 . . .

*(To be filled in by Purchaser)*

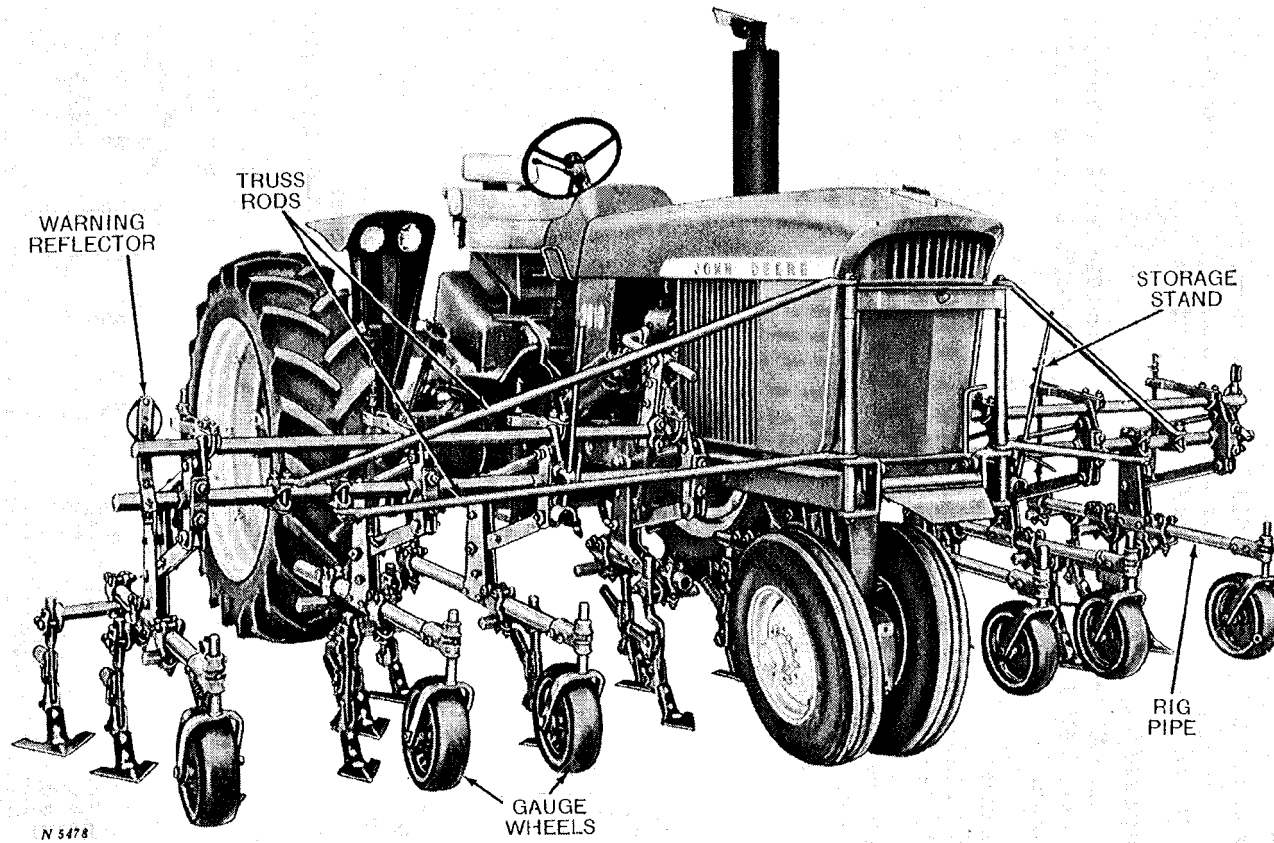
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N 2907

*John Deere T2F Cultivator with Regular Spring-Trip Shanks and Sweeps*



*John Deere T4F Cultivator with Regular Spring-Trip Shanks and Sweeps*

## Specifications

### Tractor

John Deere 2010, 3010 or 4010 Row-Crop Tractor with Single or Dual Front Wheels, (except T4 for 3010 with 6.50 x 16 single wheel 8-ply tire or dual front wheels with 6.00 x 14 4-ply tires)

### Cultivator models

T2R and T4R Operated by Rear Rockshaft on 3010 and 4010 Tractors  
T2F and T4F Operated by Front Rockshaft on 2010, 3010, and 4010 Tractors

### Row spacing

On T4-36 to 42-inch rows (Set 40 inches at factory)  
On T2-28 to 42-inch rows (Set 40 inches at factory)

### Cultivator weight

T2-600 pounds (approximately)  
T4-1500 pounds (approximately)

### Optional equipment for T2 cultivator

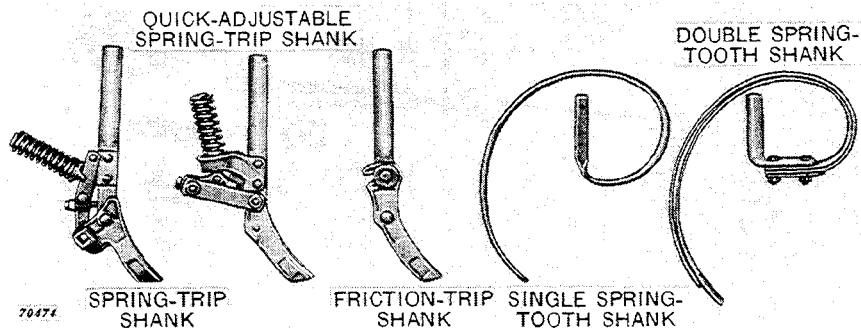
No. 2 lift pipe and adjusting levers

### Front rig equipment for T2 cultivator

Eight Regular Spring Trip Shanks with Y786AN Shovels  
Eight Quick-Adjustable Spring Trip Shanks with Y786AN Shovels  
Eight Friction Trip Shanks with Y786AN Shovels  
Eight Single Spring Tooth Shanks with Y722AN Shovels  
Eight Double Spring Tooth Shanks with Y786AN Shovels

### Front rig equipment for T4 cultivator

Eighteen Double Spring-Tooth Shanks and Y786AN Shovels  
Eighteen Friction-Trip Shanks and Y786AN Shovels  
Eighteen Single Spring-Tooth Shanks and Y722AN Shovels  
Eighteen Regular Spring-Trip Shanks and Y786AN Shovels  
Eighteen Quick Adjustable Spring-Trip Shanks and Y786AN Shovels



**Rear rigs**

*Tool bar type*

50A Series Tool Bar type for 3-point hitch

*With 3-point hitch mounted center rig*

110A and 110B Series Parallel Lift Type

130A and 130B Series Straight Lift Type

150A Series Offset Beam Type

*With drawbar mounted center rig*

120A and 120B Series Parallel Lift Type

140A and 140B Series Straight Lift Type

160A Series Offset Beam Type

A "B" Series or 50A Series Rear Rig is recommended for use when tractor is equipped with cane and rice tires

*Shank equipment for rear rigs*

Regular spring-trip shanks

Quick-adjustable spring-trip shanks

Single spring-tooth shanks

Friction-trip shanks

Double spring-tooth shanks used on 56A Rear Rig only

**Gauge wheels**

Castering (Regular on T4 Cultivator) (special on T2)

Rigid (Optional on T4 Cultivator) (special on T2)

**Sweeps and shovels**

A wide variety of types and sizes available

**Special equipment**

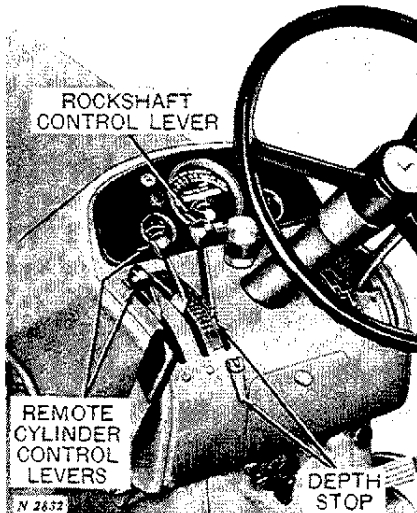
No. 1 Center Attachment	AB690E and AB690F Bean Harvesters (T2 only)
No. 21 Spring-Tooth Attachment	96E Peanut Puller (T2 only)
No. 1 Knife Attachment	24B and 25B Unit Planters for use with 50A Rear Rig
No. 3A Rotary Hoe Attachment	Shields—frame mounted, rig mounted, hooded
No. 1 Listed Crop Attachment	No. 3 Rig Attachment
Spread Arch	Various planter and fertilizer attachments
Spread Bar	
Rig Bar	
Disk Hillers	
Rear Rig Stop	

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

## Operation

### Controls

3010 and 4010 tractors

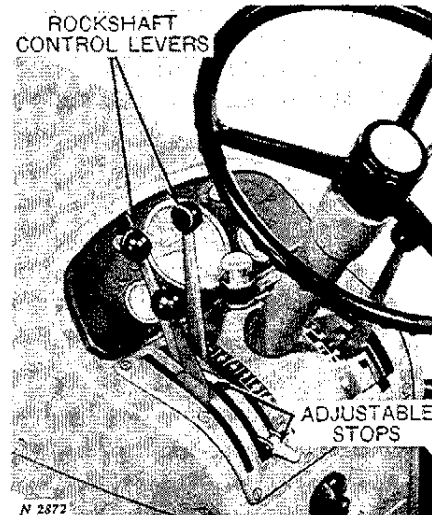


The T2R and T4R Cultivators on a 3010 or 4010 Tractor are controlled by the rockshaft control lever on the tractor. Push the lever forward to raise the cultivator (both front and rear rigs) and pull it to the rear to lower the cultivator. Use the depth stop to regulate the working depth of the cultivator. See your tractor operator's manual.

When the T2F or T4F Cultivator is on a 3010 or 4010 Tractor, the front rigs are controlled by the remote cylinder operating levers. Use the adjustable stop on the hydraulic cylinder to control the working depth of the cultivator. The rear rigs are controlled by the rockshaft control lever.

Install hydraulic cylinders and operate the hydraulic controls as instructed in your tractor operator's manual.

2010 tractors



The T2F and T4F Cultivators on the 2010 Tractor are controlled by the rockshaft control lever. Use the depth stop to regulate the working depth of the cultivator.

When the tractor hydraulic system is set for independent lift arm operation and the front rockshaft is "split," the front rigs can be raised and lowered independently. The rear rig, however, is raised and lowered with the right-hand rig.

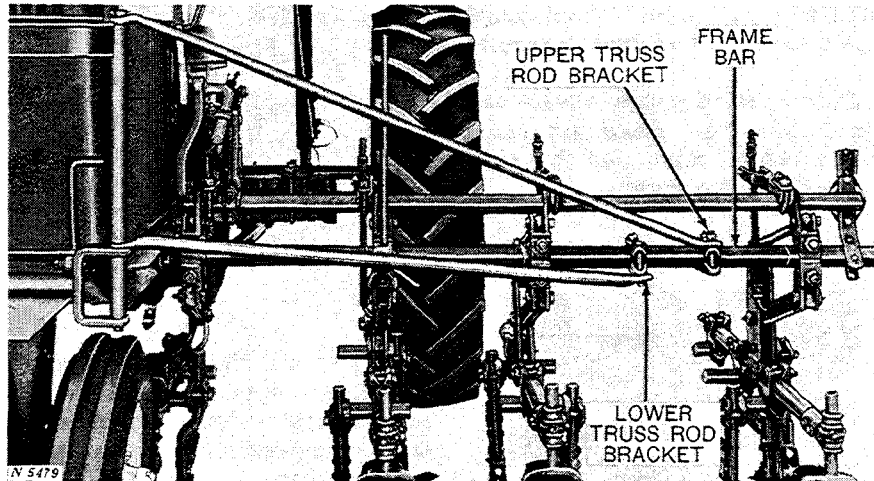
When the dual hydraulic system is set for parallel lift arm operation, all rigs are raised and lowered at the same time.

See your tractor operator's manual for instructions regarding independent and parallel lift arm operation.



## Leveling front cultivator frames

### T4 cultivator



In order to do a good job of cultivating, the front frames of the cultivator must be level.

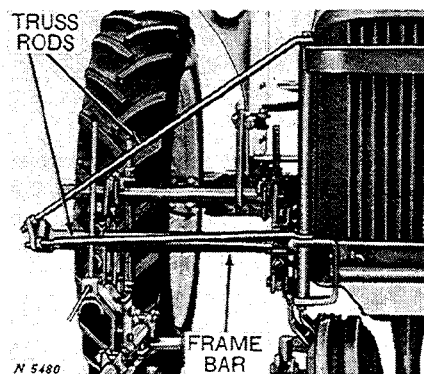
To check to see if they are level stand in front of the tractor and sight under the cultivator frame bar and over the tractor axle.

If the frame is not level, move the upper truss rod bracket away from the tractor to raise the outer end of the frame. To lower the outer end of the frame, move the upper truss rod bracket toward the tractor.

To move the frame forward, move the lower truss rod bracket away from the tractor. To move the frame to the rear, move the lower truss rod bracket toward the tractor.

Be sure to tighten all nuts on the truss rod brackets securely.

### T2 cultivator



To determine whether or not the front frames of the T2 Cultivator are level, stand in front of the tractor and sight along the cultivator frame bar.

If it is not level, adjust the nuts on the truss rods until the frame is parallel and level with the tractor axle.

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