

AU2 TWO-ROW AU4 FOUR-ROW ROW- CROP CULTIVATORS



JOHN DEERE

OPERATORS MANUAL AU2 TWO-ROW AU4 FOUR-ROW ROW-CROP CULTIVATORS

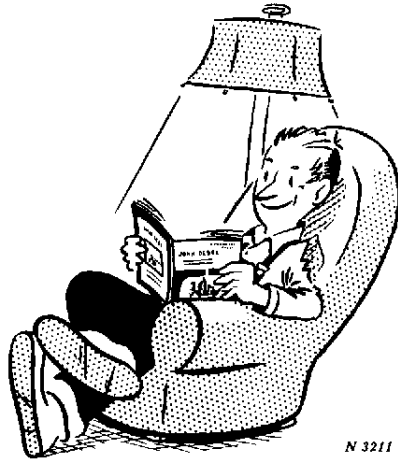
OMN97514N (01JAN61) English

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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 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 AU2, TWO-ROW
AND AU4, FOUR-ROW CULTIVATORS**

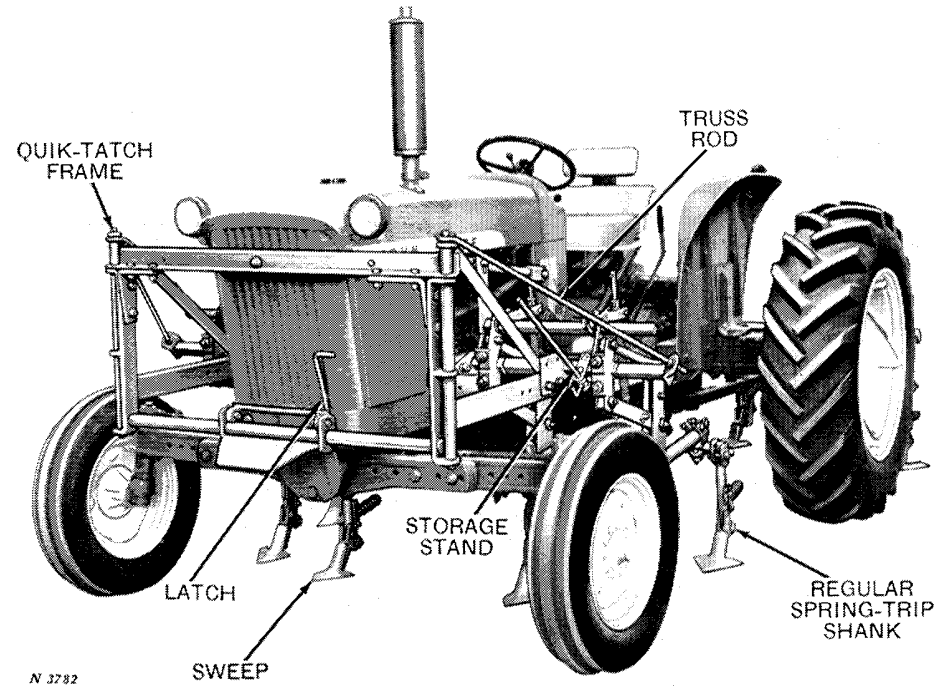
Cultivator Model

Date Purchased

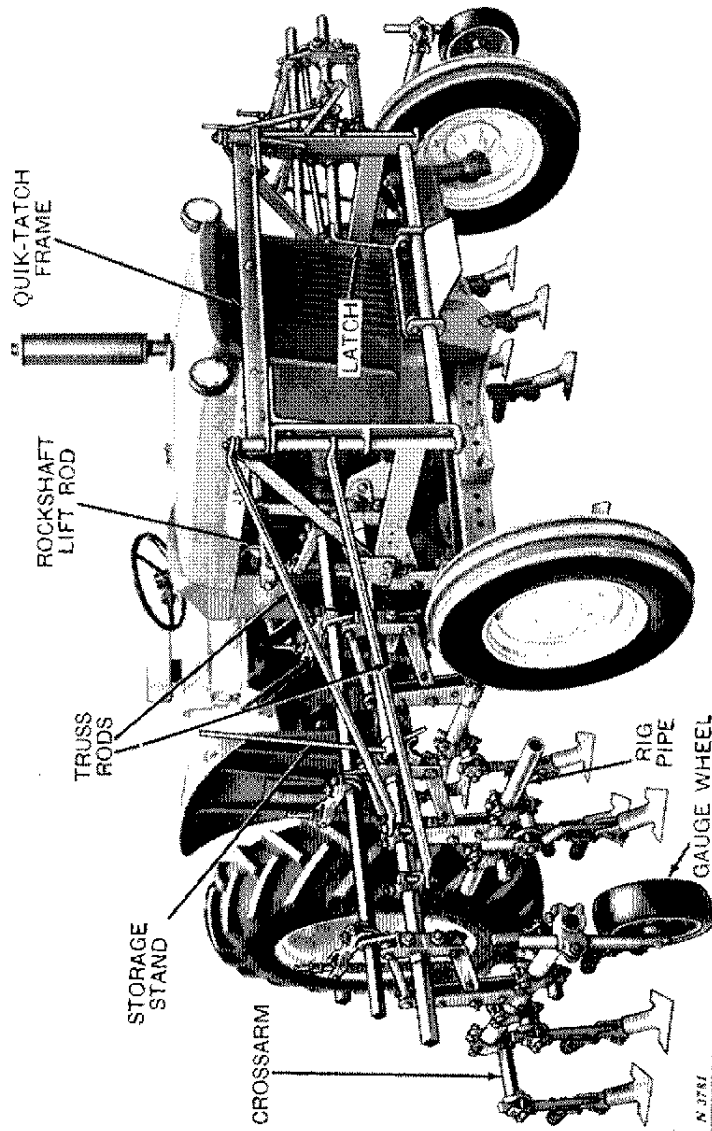
(To be filled in by Purchaser)

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John Deere AU2 Cultivator with regular spring trip shanks



John Deere AU4 Cultivator with regular spring trip shanks

Specifications

Tractors

John Deere 2010 Row Crop Utility Tractor.

John Deere 2010 Row Crop Tractor with adjustable tread front axle. Tractors must be equipped with front mounted rockshaft and 3-point hitch.

The 2010 Utility Tractor must also be equipped with straight front axle and upright muffler.

The 2010 Utility Tractor cannot be equipped with swept back axle or underneath muffler.

Row Spacing

On AU4-36 to 42 inch rows (Set 40 inches at factory)

On AU4-28 to 42 inch rows (Set 40 inches at factory)

Front Rig Equipment for AU2 Cultivator

RE-34 Regular Spring Trip Shanks

1 BN 60096 N Regular Spring Trip Shanks (11)

1 SC 288 AN Shovels (11-Y786AN)

RE-35 Quik-Adjustable Spring Trip Shanks (11)

1 BN 60097 N Quik-Adjustable Spring Trip Shanks(11)

1 SC 288 AN Shovels (11-Y786AN)

RE-38 Friction Trip Shanks

1 BN 60100 N Friction Trip Shanks (11)

1 SC 288 AN Shovels (11-Y786AN)

RE-42 Single Spring Tooth Shanks

1 BN 60002 N Single Spring Teeth (8)

1 SC 96 AN Stud Beams (3)

1 SC 102 AN Single Spring Teeth (6)

1 SC 265 AN Shovels (8-Y722AN)

1 SC 291 AN Shovels (6-Y722AN)

RE-43 Double Spring Tooth Shanks and Regular Spring Trip Shanks

1 SC 925 N Double Spring Tooth Shank (8)

1 SC 98 AN Regular Spring Trip Shanks (3)

1 SC 287 AN Shovels (8-Y786AN)

3 Y 908 N 10-inch High Speed General Purpose Sweep

3 CA 1959 AN Bolt Set

Front Rig Equipment for AU4 Cultivator

RE-29 Regular Spring Trip Shanks

1 BN 60090 N Regular Spring Trip Shanks (21)

1 SC 288 AN Shovels (11-Y786AN)

1 SC 289 AN Shovels (10-Y786AN)

RE-30 Quik-Adjustable Spring Trip Shanks

1 BN 60091 N Quik-Adjustable Spring Trip Shanks (21)

1 SC 288 AN Shovels (11-Y786AN)

1 SC 289 AN Shovels (10-Y786AN)

RE-33 Friction Trip Shanks

- 1 BN 60094 N Friction Trip Shanks (21)
- 1 SC 288 AN Shovels (11-Y786AN)
- 1 SC 289 AN Shovels (10-Y786AN)

RE-44 Single Spring Tooth Shanks

- 1 BN 60001 N Single Spring Teeth (18)
- 1 SC 96 AN Stud Beams (3)
- 1 SC 102 AN Single Spring Teeth (6)
- 4 SC 291 AN Shovels (6-Y722AN)

RE-45 Double Spring Tooth Shank and Regular Spring Trip Shank

- 1 SC 930 AN Double Spring Tooth Shanks (18)
- 1 SC 98 AN Regular Spring Trip Shanks (3)
- 1 SC 287 AN Shovels (8-Y786AN)
- 1 SC 289 AN Shovels (10-Y786AN)
- 3 Y 908 N 10-inch High Speed General Purpose Sweep
- 3 CA 1959 AN Bolt Set

Rear Rig

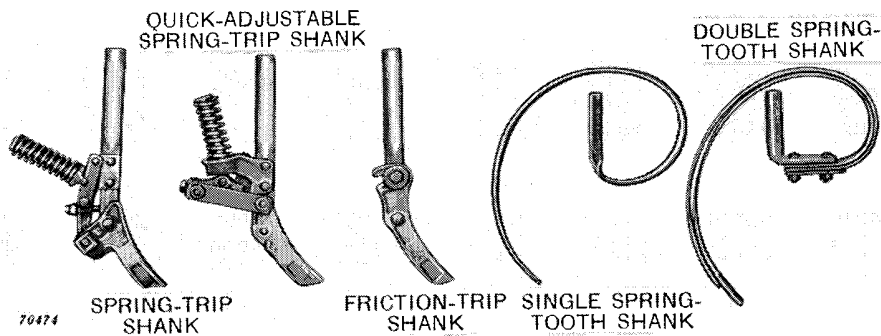
Tool Bar Type for 3-Point Hitch Tractors

Gauge Wheels (AU4 only)

Castering (Regular); Rigid (Optional)

Extra Equipment

- Shields-frame mounted, rig mounted or hooded
- No. 1 Center Attachment
- No. 21 Spring-Tooth Attachment
- No. 1 Knife Attachment
- No. 3A Rotary Hoe Attachment
- No. 1 Listed Crop Attachment
- Spread Bar
- Disk Hillers

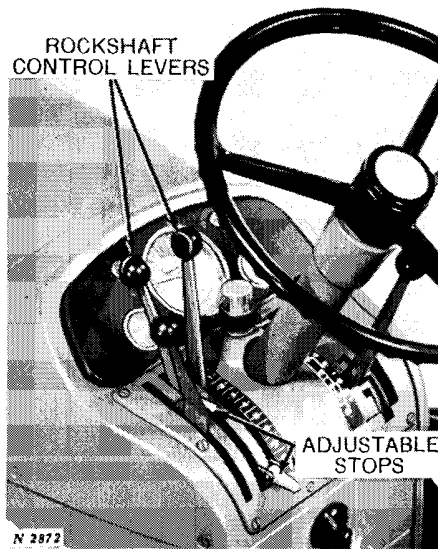


(Specifications and design subject to change without notice.)

Operation

Controls

Dual hydraulic system



The AU2 or AU4 Cultivator on a John Deere 2010 Tractor with a dual hydraulic system is controlled by the rockshaft control levers on the tractor.

To operate the front rigs together, but independent of the rear rig, set the tractor hydraulic system for independent lift arm operation.

Only the left-hand rod or cable should be used from the rear rockshaft to the front rockshaft. Set the two sides of the front rockshaft for parallel operation.

The left-hand rockshaft control lever controls the front rigs and the right-hand lever controls the rear rig.

To operate the front rigs independently, set the tractor hydraulic system and front rockshaft for independent lift arm operation. The tractor must have a dual control front rockshaft. The left-hand rockshaft control lever controls the left-hand side of the cultivator and the right-hand lever controls the right-hand side of the cultivator and the rear rigs. See your tractor operator's manual.

If it is desired to have the front and rear rigs operate simultaneously, set the tractor hydraulic system and front rockshaft for parallel lift arm operation. Use the right-hand control lever to control the cultivator. See your tractor operator's manual.

Single hydraulic system

The AU2 and AU4 Cultivator on a John Deere 2010 Tractor with single hydraulic system is controlled by the rockshaft control lever on the tractor. Moving the control lever rearward raises both cultivator front and rear rigs while moving the lever forward lowers the rigs. See your tractor operator's manual.

Working depth

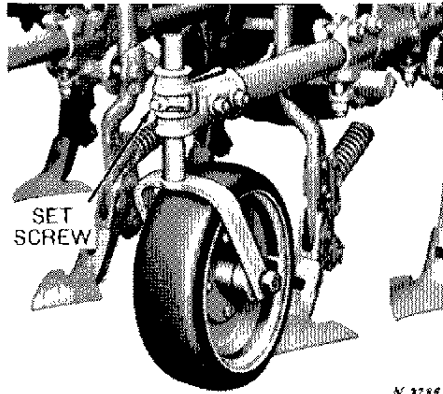
The working depth of the cultivator is determined by the position of the hydraulic control levers on the tractor and the length of the 3-point hitch lift links. Use the adjustable stops on the hydraulic control lever quadrant to limit the working depth.

Gauge wheels on AU4 Cultivator

The gauge wheels determine the depth of cultivation of the outer rigs. Set both gauge wheels to operate at the same depth.

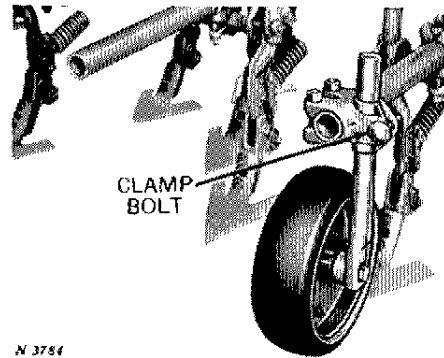
Two types of gauge wheels are available—the castoring gauge wheels shown below and the rigid type shown at the right.

Castoring gauge wheel



Loosen the set screw and adjust the cultivating depth by setting the gauge wheels one to two inches above the floor or ground.

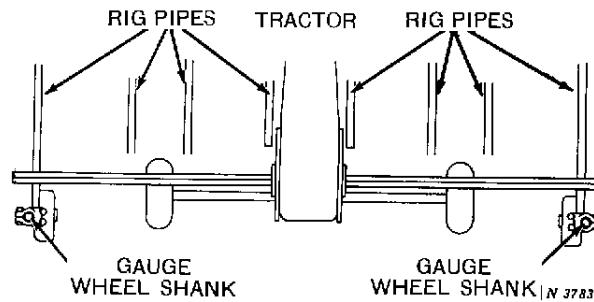
Rigid gauge wheel



Adjust the rigid gauge wheel by loosening the clamp bolt and moving the shank to the desired position.

For normal conditions, set the gauge wheel one to two inches above the floor or ground.

The rigid gauge wheels should be attached so that the wheels are under the rig pipes as shown above and the shanks are positioned to the right and left of the rig pipes as shown below.



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