

64 FOUR-ROW AND 60 SIX-ROW CULTIVATORS



OPERATORS MANUAL 64 FOUR-ROW AND 60 SIX-ROW CULTIVATORS

OMN50158 (01JAN58) English

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LITHO IN THE U.S.A.
ENGLISH



YOUR NEW CULTIVATOR

Your new 6-row cultivator is one of a new group of farm machines that can bring to you a new concept of farming . . . 6-row farming for bigger savings in time . . . in labor . . . in money.

It is the working partner of your 6-row planter or bedder that makes it possible for you to realize all the advantages of 6-row farming.

Your new cultivator was designed and built to do fast, thorough cultivation. Adjust and service it properly and it will give years of trouble-free service.

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



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.

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 parts service.

JOHN DEERE 64, 4-ROW AND 60, 6-ROW CULTIVATORS

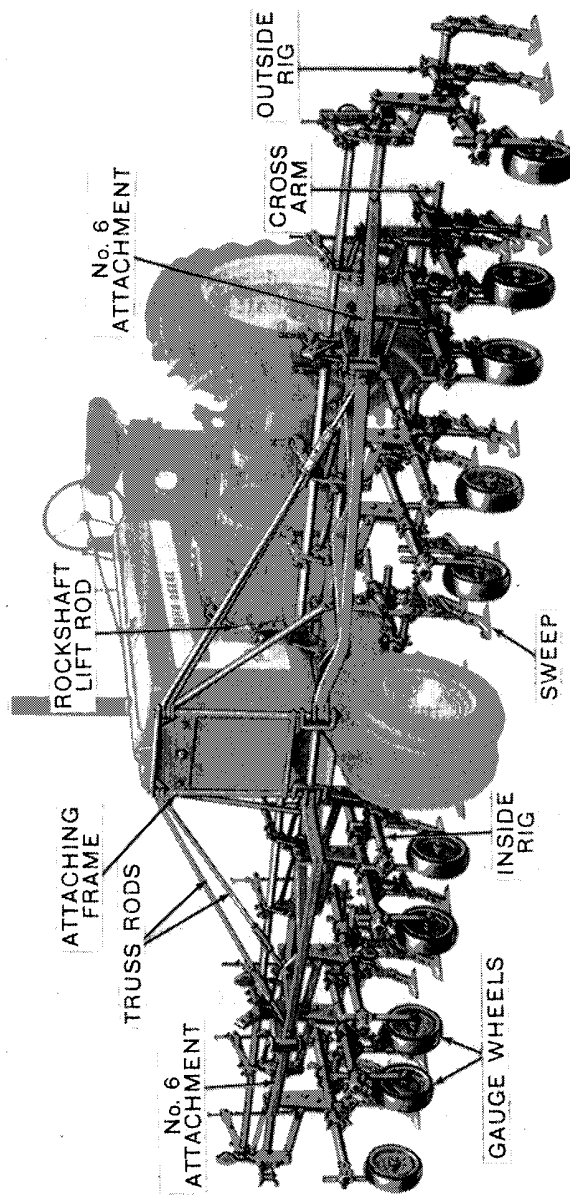
Cultivator No.

Date Purchased **19**

(To be filled in by Purchaser)

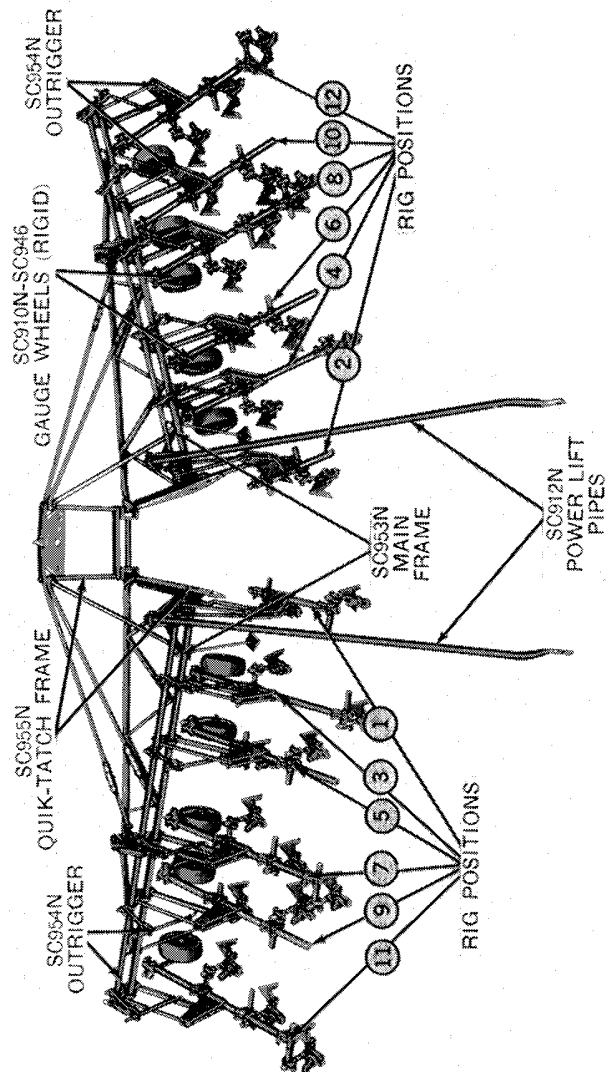
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63062

John Deere 60F Cultivator on "720" Series Tractor



37531

*Overhead View of John Deere 60R Cultivator
Circled Numbers Indicate Rig Positions*

SPECIFICATIONS

CULTIVATOR IDENTIFICATION

Models and Sizes

THE 60 CULTIVATOR is a 6-row machine equipped with outriggers that can be swung forward and inward to reduce the machine to a 4-row width for transporting. The outriggers can be removed to make the cultivator a 4-row implement.

THE 64 CULTIVATOR is a 4-row implement that can be enlarged to 6-row capacity by the addition of outrigger units.

THE No. 6 ATTACHMENT is the outrigger equipment necessary to convert a 64, 4-row cultivator to a 60, 6-Row Cultivator.

Front and Rear Rockshaft Operation

These cultivators can be operated by tractor rear rockshafts or by front-mounted tractor rockshafts.

When the cultivator is operated by the tractor rear rockshaft, front rigs and rear rigs are raised and lowered together as a unit.

Rear-rockshaft operated cultivators are identified by a suffix letter "R" on their model numbers—60R or 64R.

When the cultivator is operated by a front-mounted rockshaft, the rockshaft can be moved by either one or two remote hydraulic cylinders, and front rigs are raised and lowered independently of the rear rigs.

When operated by one remote hydraulic cylinder, the front-mounted rockshaft raises and lowers both front rigs simultaneously. When operated by two remote hydraulic cylinders, the front-mounted rockshaft is split and the right and left front rigs can be raised and lowered independently of each other.

Front-rockshaft operated cultivators are identified by a suffix letter "F" on their model numbers—60F or 64F.

FRONT RIG EQUIPMENT

The designation "RE" means Rig Equipment and listed below by RE numbers are all rig combinations for the 64 and 60 Cultivators:

64 Cultivator

RE-7 18 Regular Spring-Trip Shanks

RE-8 18 Quick-Adjustable Spring-Trip Shanks

60 Cultivator

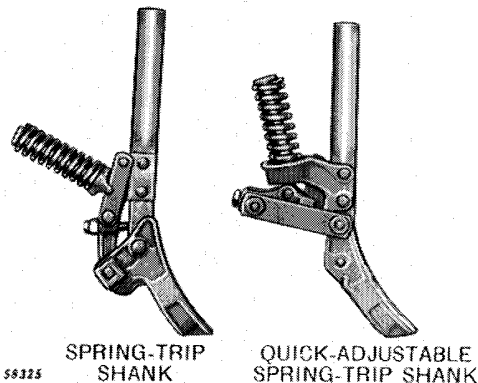
RE-15 28 Regular Spring-Trip Shanks

RE-16 28 Quick-Adjustable Spring-Trip Shanks

No. 6 Attachment

RE-20 10 Regular Spring-Trip Shanks

RE-21 10 Quick-Adjustable Spring-Trip Shanks



Rig Positions

Rig positions are identified by numbers as shown in the identification view, page 3, in order to locate quickly the position of each rig in relation to the tractor. Rigs are numbered from the center of the cultivator out, to right and left. Odd numbers (1, 3, 5, 7, 9, and 11) refer to rigs on the left side of the cultivator; even numbers (2, 4, 6, 8, 10, and 12) refer to rigs on the right side of the cultivator.

REAR RIG EQUIPMENT

The various series of rear rigs are identified below. Within each series the rigs are numbered to indicate the shank equipment used.

Rear rig numbers ending in 2 have spring-trip shanks.

Rear rig numbers ending in 3 have quick-adjustable spring-trip shanks.

For example, a 110 Series rear rig with quick-adjustable spring-trip shanks is identified as a No. 113 rear rig.

The following rear rigs are available:

For "620" and "720" Tractors Equipped with 3-Point Hitch

No.	Center	Outside
50A	Bar	(Tool Bar-Type)
110	Center Rear Bar	Parallel
130	Center Rear Bar	Straight

For "620" and "720" Tractors Not Equipped with 3-Point Hitch

No.	Center	Outside
120	Drawbar Mounted	Parallel
140	Drawbar Mounted	Straight

For "60" and "70" Tractors

120	Drawbar Mounted	Parallel
140	Drawbar Mounted	Straight

Old-Style Rear Rigs

No. 32	Rear Axle Housing Mounted	Parallel
No. 33	Rear Axle Housing Mounted	Parallel
No. 8	Rear Axle Housing Mounted	Straight

ROW SPACING

All 64 and 60 Cultivators are erected at the factory for 40-inch row spacing. The 64 and 60 Cultivator is adaptable for use in 36-inch to 40-inch rows.

All "620," "720," "60," and "70" Tractors should be equipped with 6.00 x 16 **six-ply** tires on the front wheels.

LOCATION REFERENCES

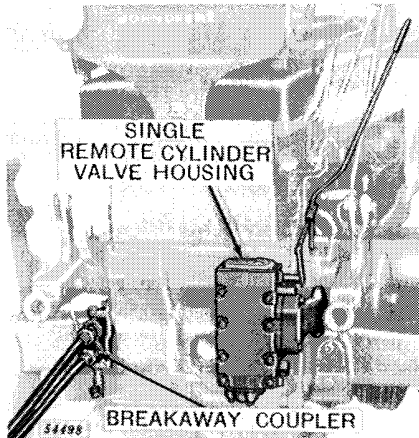
Right-hand and left-hand references are determined by standing at the rear of the cultivator and facing in the direction of travel.

(Specifications and design subject to change without notice.)

OPERATION AND ADJUSTMENT

CULTIVATORS ON TRACTORS USING FRONT-MOUNTED ROCKSHAFTS

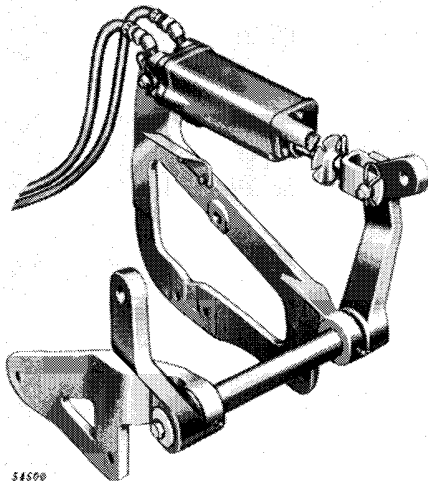
The tractor may be equipped with a single-control "Solid" rockshaft or a dual-control "Split" rockshaft.



Single Remote Cylinder Valve Housing

Single Control "Solid" Front-Mounted Rockshaft

A single remote cylinder operating the front-mounted rockshaft raises, lowers, and can apply down-pressure

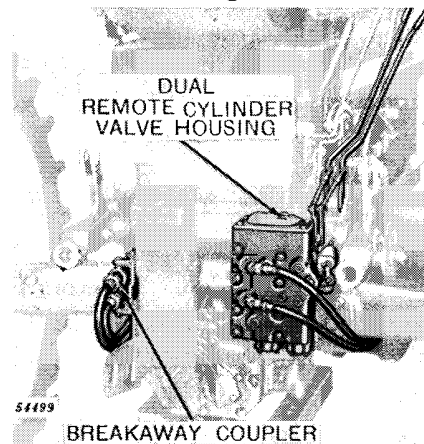


"Solid" Front-Mounted Rockshaft

on the front rigs independent of the rear rigs.

The rear rigs are operated by the tractor rear rockshaft. Their lifting can be delayed. The front rigs can be raised and then, as the tractor clears the row, the rear rigs are raised. In this way the rear rigs can be used right up to the end of the row or the edge of a grass waterway or ditch.

Push the control levers forward to lower the rigs and pull them to the rear to raise the rigs.

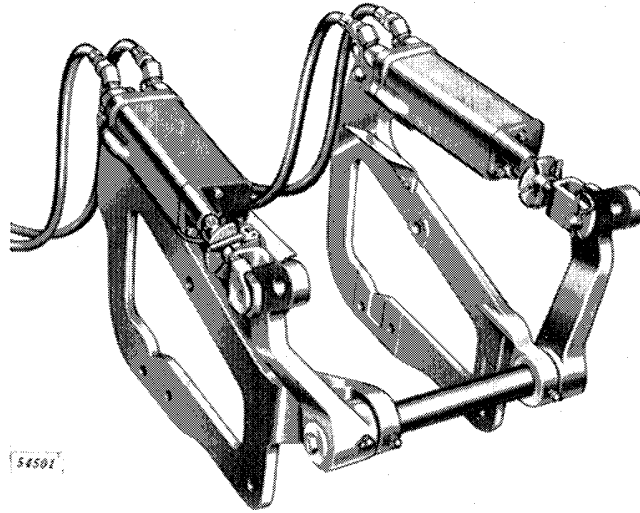


Dual Remote Cylinder Valve Housing

Dual Control "Split" Front-Mounted Rockshaft

When the tractor has a "split" front-mounted rockshaft, two remote cylinders are used to operate the right- and left-hand rigs of the rockshaft independently. This is a big advantage when finishing out point rows. The left-hand front rigs can be raised and the right-hand front rigs left in the ground to finish the row—or vice versa.

Each cylinder has its own control lever, the inner lever operates the left-hand front rigs and the outer lever operates the right-hand front rigs. The rigs can be operated independently or simultaneously. Down pressure can be applied to both sets of rigs by the double-acting cylinders.



"Split" Front-Mounted Rockshaft

Since the rear rigs are operated by the tractor rear rockshaft, their lifting can be delayed so they can be used right up to the end of the row or the edge of a grass waterway

or ditch.

Push the control levers forward to lower the rigs and pull them back to raise the rigs.

CULTIVATORS ON TRACTORS USING REAR ROCKSHAFTS



Rear Rockshaft Power Lift Pipe

When the cultivator is used on a tractor that has the rear rockshaft only, both front and rear rigs are operated by the rockshaft. A power lift pipe connects the front rigs to the rear rockshaft.

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