

5184 AND 5186 COTTON AND CORN PLANTERS

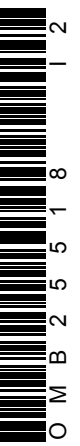


OPERATORS MANUAL 5184 AND 5186 COTTON AND CORN PLANTERS

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ENGLISH





To the Purchaser

This new planter was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need - whether it is operation, assembly, or adjustments and service. Read the Table of Contents to learn where each section is located. Use the alphabetical index for fast reference.

In addition to the equipment furnished with your planter, attachments are available to help you do a better job in special crop conditions. These are described in the special equipment section of this manual and can be purchased from your John Deere dealer.

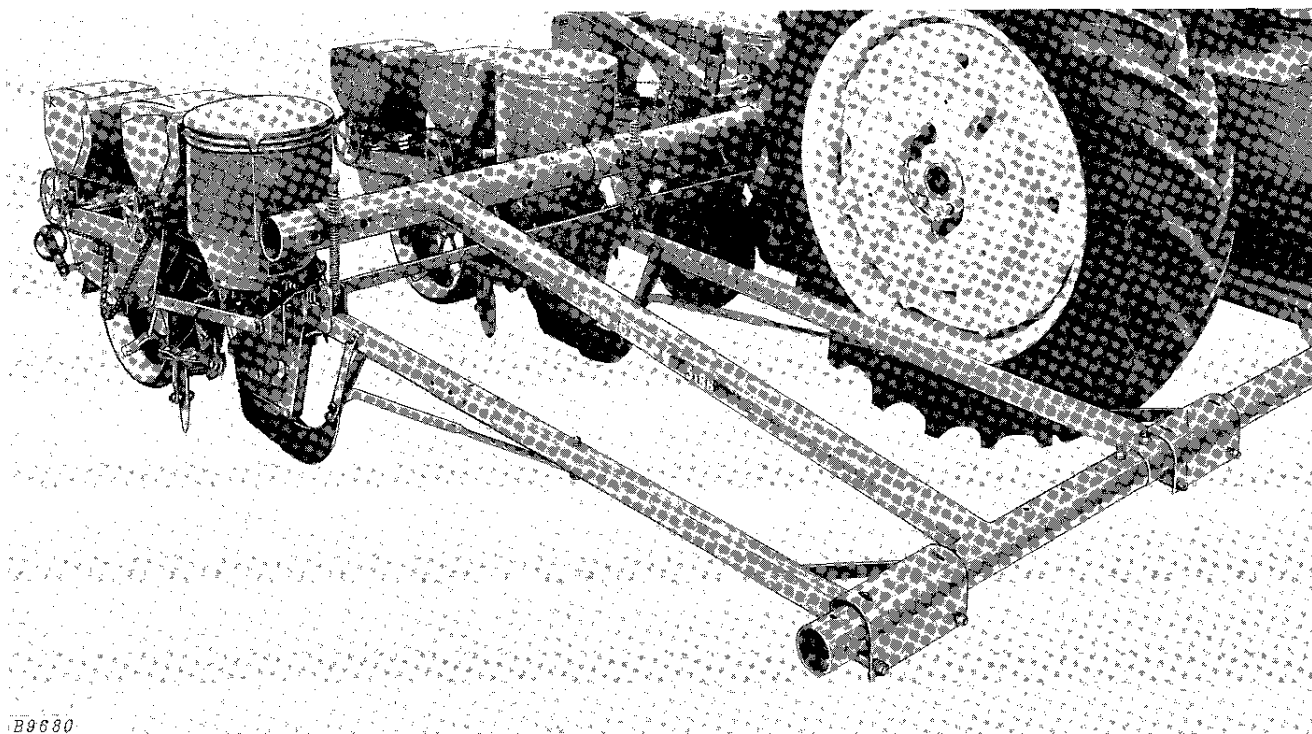
"Right-hand" and "left-hand" sides are determined by facing in the direction the planter will travel when in use.

Record your planter serial numbers in the space provided on page 21. Your dealer needs this information to give you prompt, efficient service when you order parts or attachments. If your planter requires replacement parts, go to your John Deere dealer where you can obtain genuine John Deere parts - accept no substitutes.

The warranty on this planter appears on your copy of the purchase order which you should have received from your dealer when you purchased the planter.



This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.



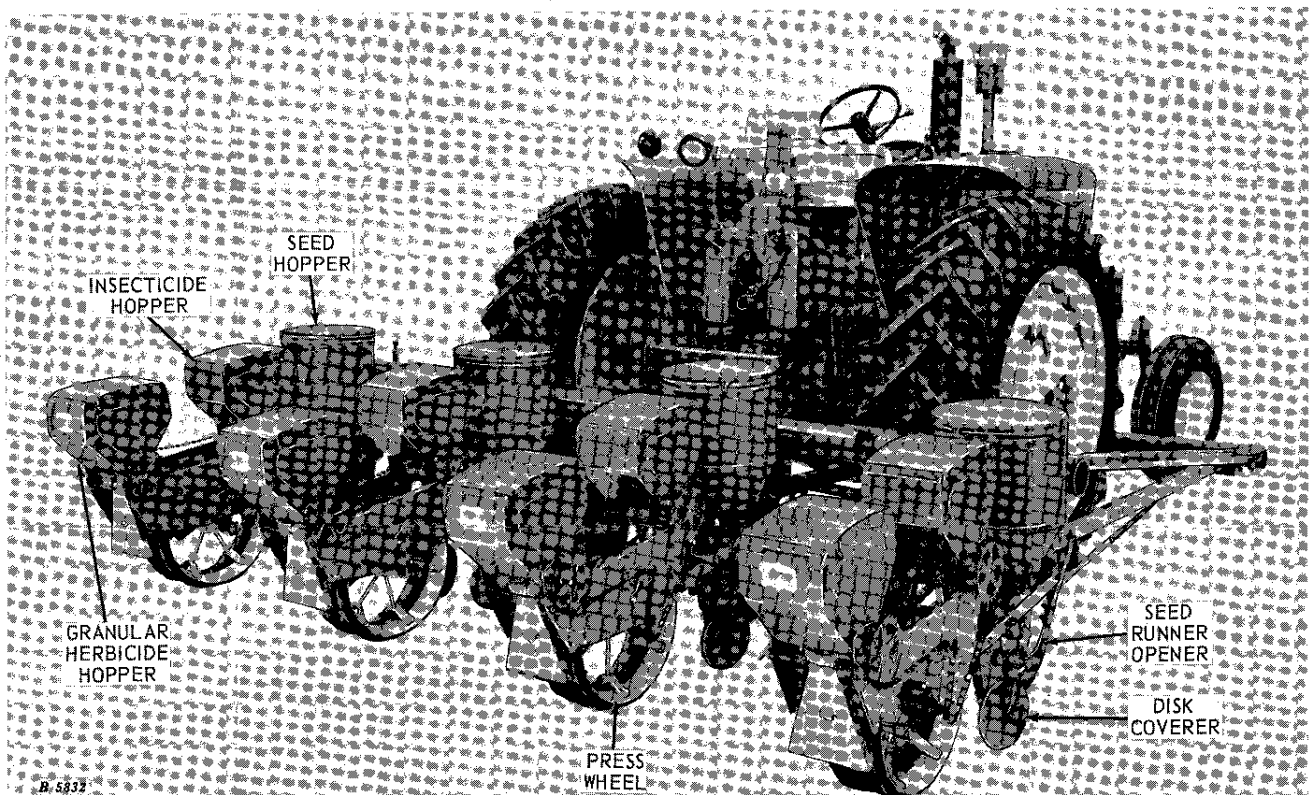
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5186 Cotton and Corn Planter



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5184 Cotton and Corn Planter



Operation

PREPARING THE TRACTOR

All Tractors

The tractor must be equipped with a rear rockshaft.

Refer to the tractor operator's manual for operating instructions for rear-mounted integral implements.

Tire Pressure

Consult your tractor operator's manual for front and rear tire pressure.

Rear Wheel Tread

If possible, set the tractor rear wheels, center-to-center of tread and equal distance from center line of tractor, as follows:

Row Width	Tractor Rear Wheel Tread
36 inches	72 inches
38 inches	76 inches
40 inches	80 inches

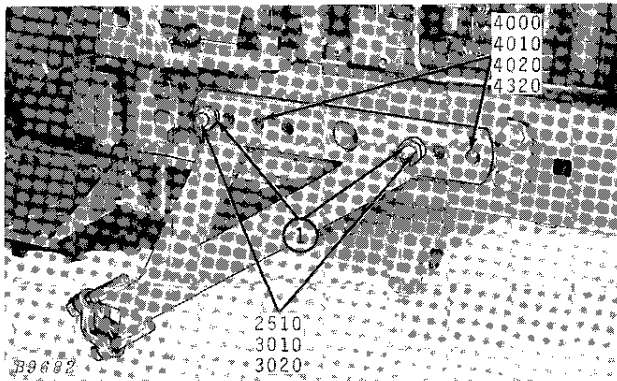
Front End Weights

Front end stability is necessary for efficient and safe operation. Add the weight recommended in the following table when using a 2510, 3010, 3020, 4000, 4010, 4020, or 4320 Tractor:*

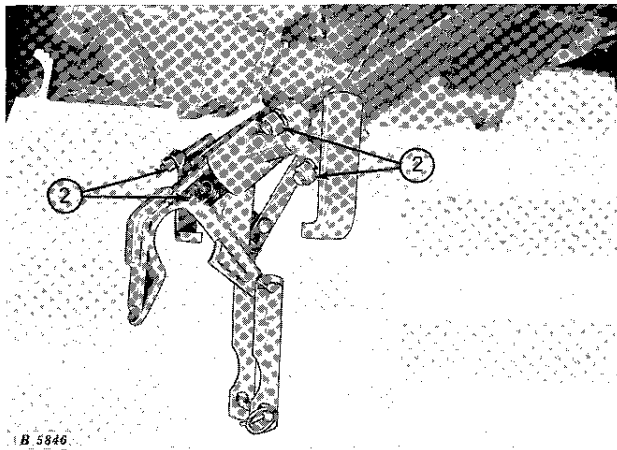
Attachment Combinations					Tractor								
					2510 Row-Crop			3010-3020 Row-Crop			4000-4010, 4020-4320 Row-Crop		
					Single Wheel	Roll-O-Matic	Adjustable Tread	Single Wheel	Roll-O-Matic	Adjustable Tread	Single Wheel	Roll-O-Matic	Adjustable Tread
"A" Sweeps	Herbicide	Insecticide	Platform	Marker									
5184 Cotton and Corn Planter													
X	X	X	X	X	800	800	450	650	600	300	200	150	0
X			X		0	0	0	0	0	0	0	0	0
	X	X	X	X	650	600	300	500	450	100	50	0	0
	X	X		X	100	50	0	0	0	0	0	0	0
		X	X	X	850	800	500	700	650	350	200	150	0
		X	X	X	300	250	0	150	100	0	0	0	0
		X		X	260	200	0	100	50	0	0	0	0
		X		X	0	0	0	0	0	0	0	0	0
5186 Cotton and Corn Planter													
X	X	X	X	X	—	—	—	—	—	—	—	—	—
X			X		650	600	300	500	450	150	100	0	0
	X	X	X	X	—	—	—	—	—	1100	1000	900	600
	X	X		X	1000	1000	700	900	800	550	400	350	100
		X	X	X	1050	1000	700	900	850	550	450	400	100
		X		X	450	450	150	300	250	0	0	0	0

* Front weight in pounds.

Front Hangers and Latch

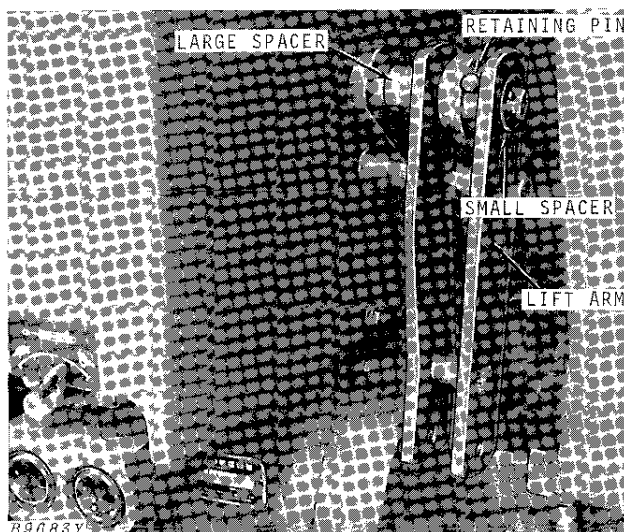


1. Install front hangers on both sides of the tractor.



2. Install the front latch on the front hangers and center between the hangers.

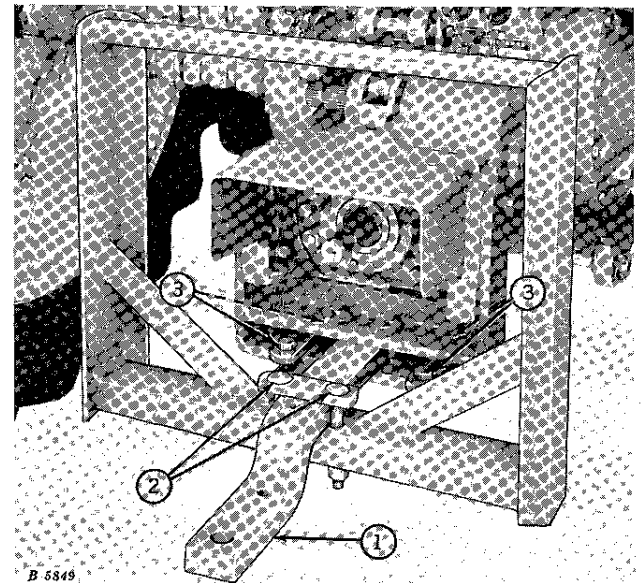
Lift Arms



Remove the tractor lift links and draft links. Install the planter lift arms as follows: place large spacer on inside of lift arm and small spacer on outside of lift arm. Place flat washers on both sides of small spacer. Place cotter pin and retaining pin in place as shown.

NOTE: Use short lift arms for 2510, 3010 and 3020 Tractors, and longer lift arms for 4000, 4010, 4020 and 4320 Tractors.

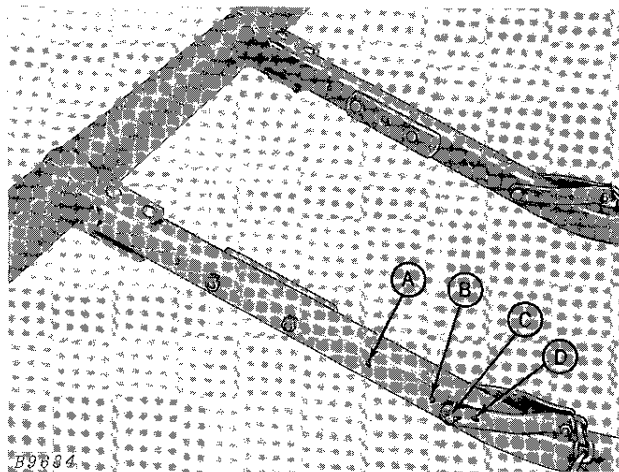
Centering Frame



1. Extend drawbar.
2. Attach the centering frame to drawbar as shown.
3. Install the front of the centering frame on the tractor main frame as shown.

ATTACHING PLANTER TO TRACTOR

Lift Chains



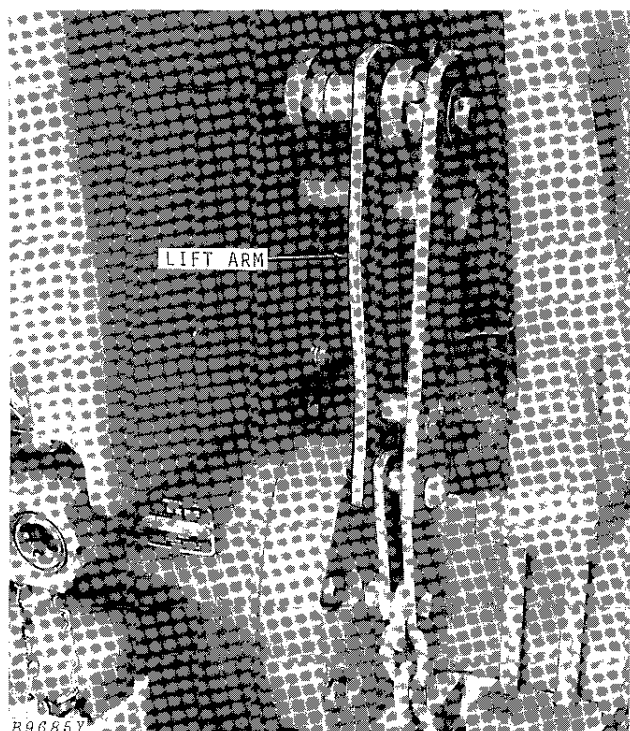
Connect lift chain connectors to inner main frame support tubes.

Hole "A" is used for the 2510, 3010 and 3020 Tractors.

Hole "B" is used for the 4000 and 4010 Tractors, hole "C" is used for the 4020 and 4320 Tractors.

For additional transporting clearance, position lift chain connector at "D."

Lift Arms



Back the tractor over the front pipe into planter until the tractor rear tires just touch the rear pipe of the planter.

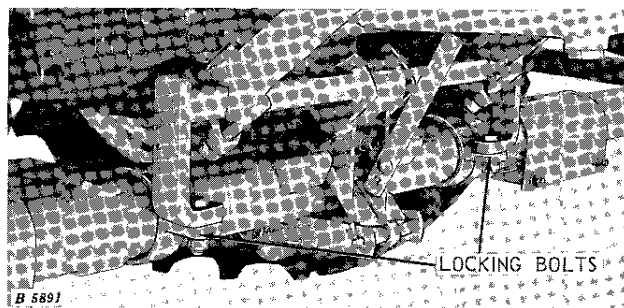
Attach the chains to the lift arms and secure in place with the pins as shown.

Raise the rockshaft and the front pipe will snap into place in the front latch.



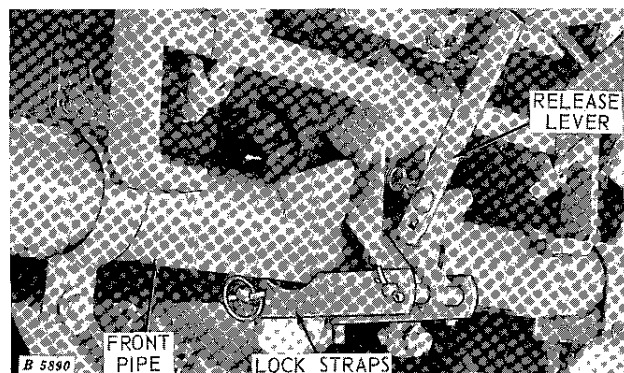
CAUTION: Position lock straps under pipe and secure in place with cross pin and lock pin. See illustrations below.

Locking Bolts



When using "A" sweeps, or where planting conditions require the planter to be held rigid, the connecting brackets on the front pipe may be bolted to the latch bar as shown above.

DETACHING PLANTER FROM TRACTOR



Lower planter, using rockshaft control lever. Remove the lock straps.

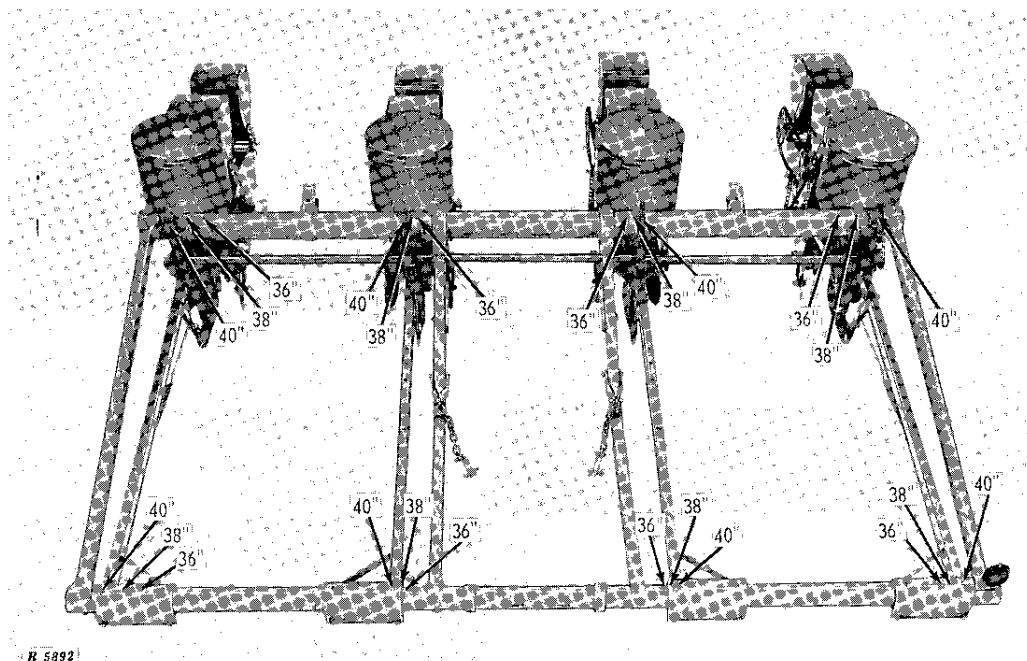
Pull the release lever on front latch and front pipe will drop to ground.



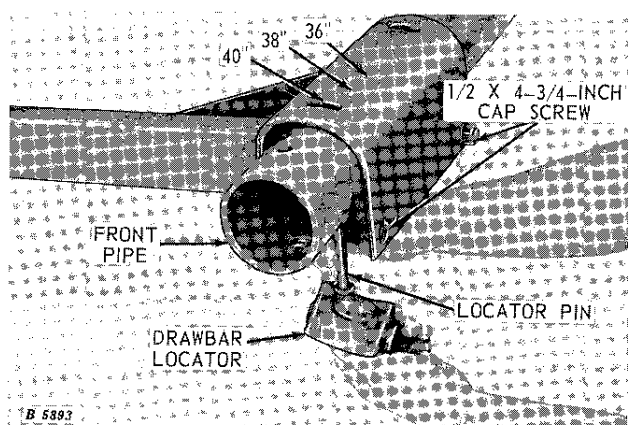
CAUTION: Keep feet clear when dropping pipe to the ground.

Remove the links from rockshaft lift arms and drive tractor out of the planter.

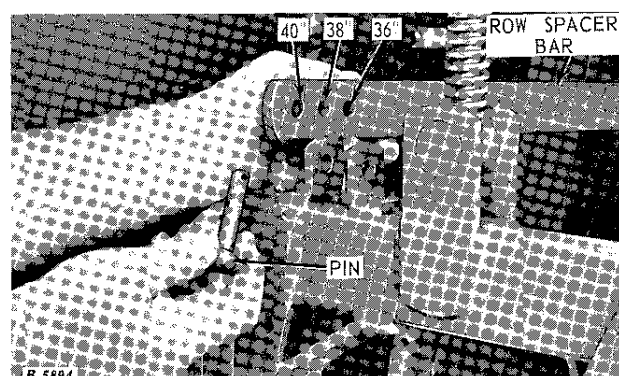
ROW WIDTHS



Row width settings can be adjusted to 36, 38 or 40 inches.



Remove 1/2 x 4-3/4-inch cap screws, drawbar locator and pin from front pipe.



Remove pin from row spacers on the units, and spring pressure rods from the rear pipe. Move the units to the desired row spacing and reinstall the pins and rods.

NOTE: Refer to the 51 Unit Planter operator's manual for information on selecting seed plates, hill-drop and drill planting, and respective charts.

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