

JOHN DEERE 12-ROW HITCH



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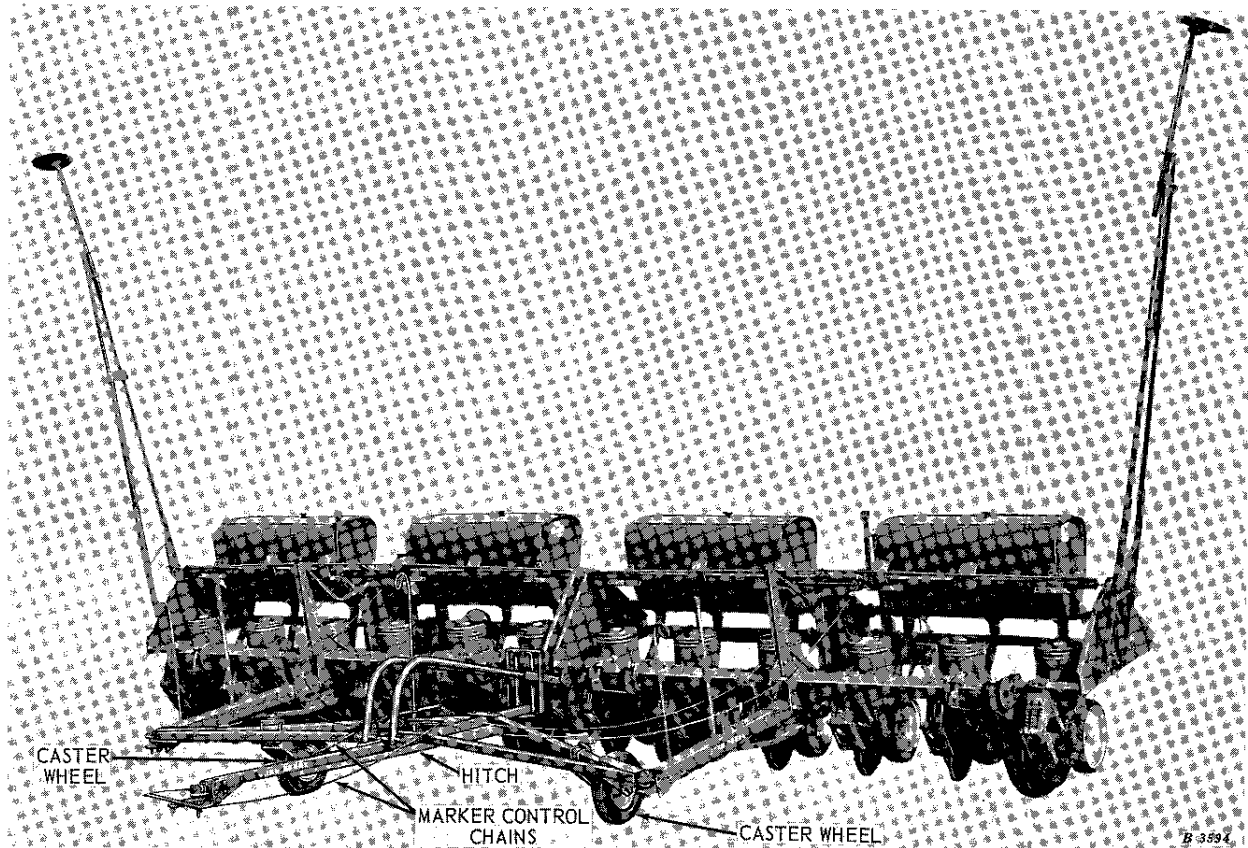
OPERATORS MANUAL JOHN DEERE 12-ROW HITCH

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12-Row Hitch for Two 186 or 186L Fertilizer Units

DESCRIPTION

The 12-Row Hitch is designed to connect two 186 or 186L Fertilizer Units together making it possible to plant 12 rows and apply fertilizer at the same time.

Row spacing is limited to 22 inches only.

All attachments for the 70 Flexi-Planters and 186 Fertilizer Units may be used **except** the regular pre-emergence attachment.

The 22 or 25 sprayer may be used as a pre-emergence attachment.

The tractor must be equipped with two remote hydraulic cylinders.

The following hydraulic hose extension and

couplings are required in addition to the regular hoses on the remote hydraulic cylinder.

Tractor equipped with single rear wheels.
 Four 92-inch hydraulic hose extensions
 Four couplers
 Eight O-rings

Tractor equipped with dual rear wheels.
 Four 92-inch hydraulic hose extensions
 Four 36-inch hydraulic hose extensions
 Eight couplers
 Sixteen O-rings

The markers raise and lower automatically when the planters are raised and lowered.

Price \$

OPERATION

PREPARING THE TRACTOR

The tractor must be equipped with two 8-inch stroke remote hydraulic cylinders that conforms to ASAE-SAE standards and hose extensions as listed on inside front cover.

On tractors with adjustable drawbars, place the drawbar approximately 15 inches from the ground and bolt it to the center of the tractor drawbar support.

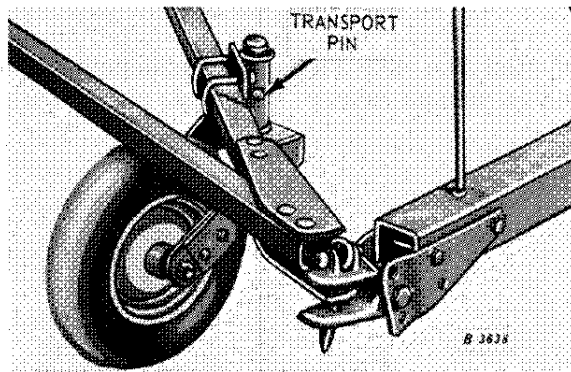
When the tractor is equipped with single rear wheels set the drawbar in the short position.

When the tractor is equipped with dual rear wheels set the drawbar in the long position.

If possible set the tractor rear wheels 88 inches, center to center of tread, and equal distance from center line of tractor.

For complete operating, lubrication, and maintenance instructions refer to the planter and fertilizer unit operator's manuals.

TRANSPORTING



When transporting the hitch less the fertilizer units, lock both hitch wheels in the straight position.



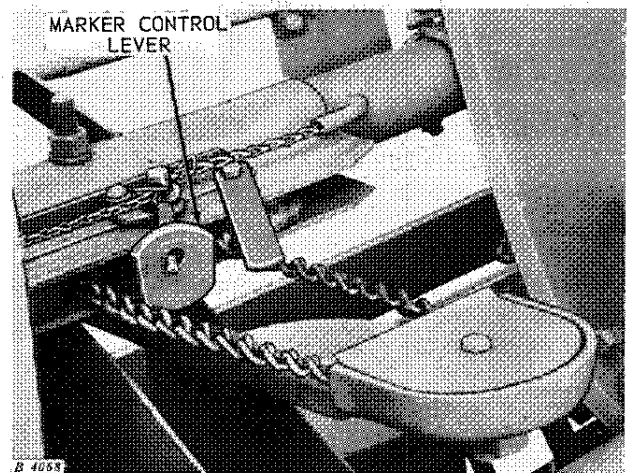
CAUTION: When transporting equipment on a road or highway at night or during the day, use accessory lights and devices for adequate warning to the operators of other vehicles. In this regard, check local governmental regulations. Various safety lights and devices are available from your John Deere dealer.

MARKERS

To adjust the marker control chains, proceed as follows:

Be sure that both marker control levers are pointing in the same direction before adjusting marker control chains.

The position of the marker control lever will determine which marker will drop when the fertilizer unit is lowered.



When the marker control arm points to the left-hand side of the fertilizer unit, as illustrated, the right-hand marker will drop.

The marker control arm will stay in this position, and the right-hand marker will raise and drop when fertilizer unit is raised and lowered until the tractor is turned sharply to the right. Then the left-hand marker control chain will tighten and point the marker control arm toward the right-hand side of the fertilizer unit and the left-hand marker will drop when fertilizer unit is lowered.

The marker that is down will automatically raise when the planter is raised.

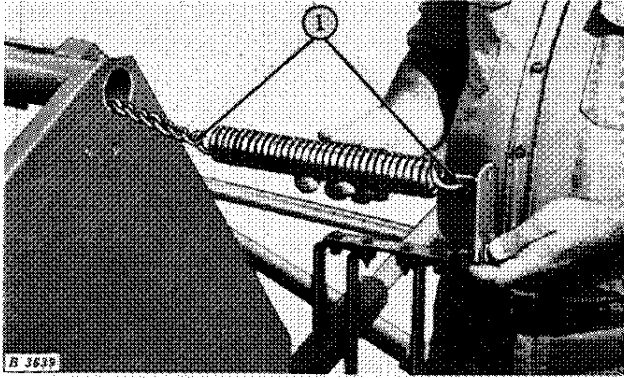
If the right-hand marker will not drop after a sharp left turn, shorten the right-hand marker control chain at spring, one link at a time, until right-hand marker will drop after a sharp left turn. Shorten the left-hand marker control chain if left-hand marker fails to drop after a sharp right turn.

2 Operation

PREPARING THE FERTILIZER UNITS

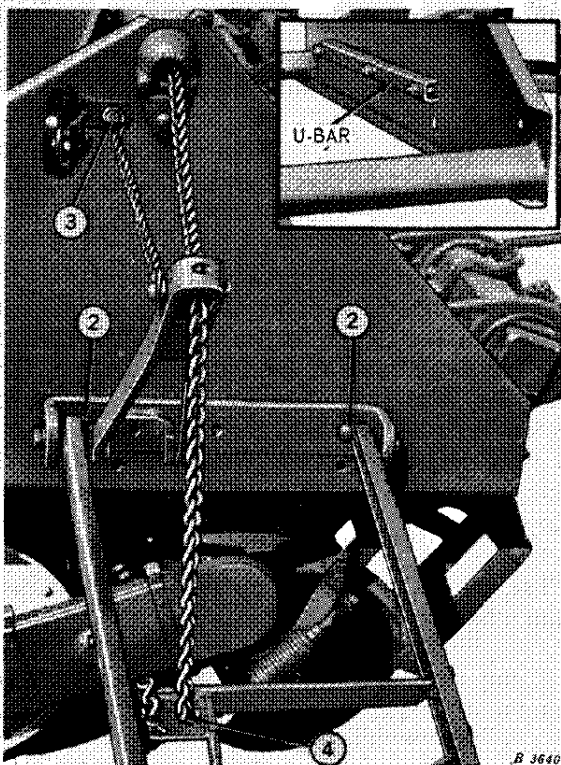
ATTACHING MARKERS

Remove the regular markers, if fertilizer units are so equipped, from both planters.



1. Attach the spring to the marker lift chain and pull the spring and chain into the main frame.

NOTE: Attach the spring to the left-hand end of chain on one planter, and to the right-hand end of chain on the other planter.

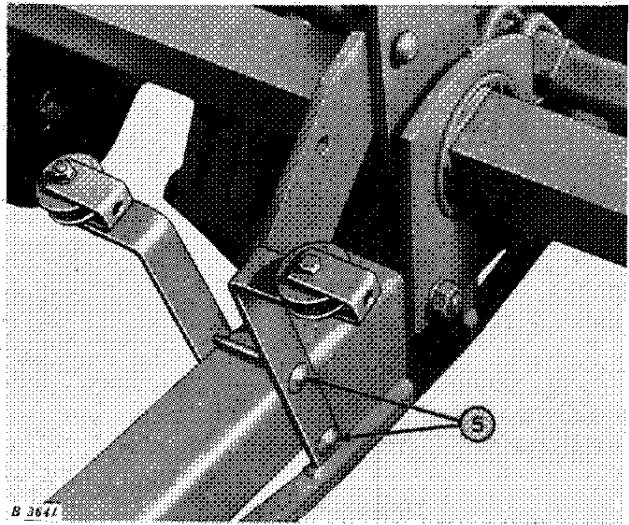


2. Bolt a marker to the left-hand end panel of one planter and to the right-hand end panel of

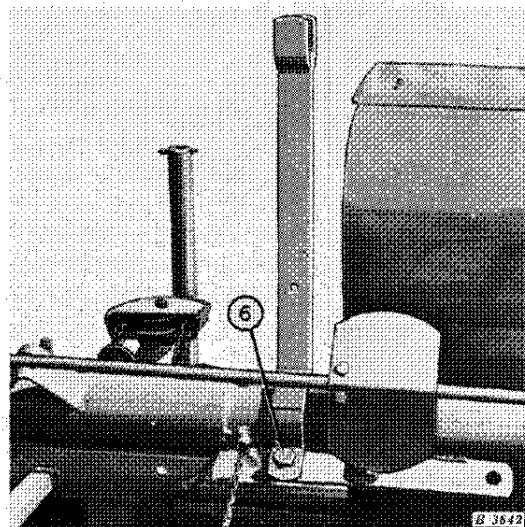
the other planter. The U-bar must be on the inside of the end panels.

3. Bolt the marker assist chain to the end panel.

4. Pull the marker lift chain through the main frame and attach to the marker. Final marker adjustment must be made in the field.



5. Bolt the marker control chain guide to the hitch of each planter.



6. Bolt a marker rest to each planter.

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