



**John Deere**

**Operator's Manual**

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**100IFH Series**

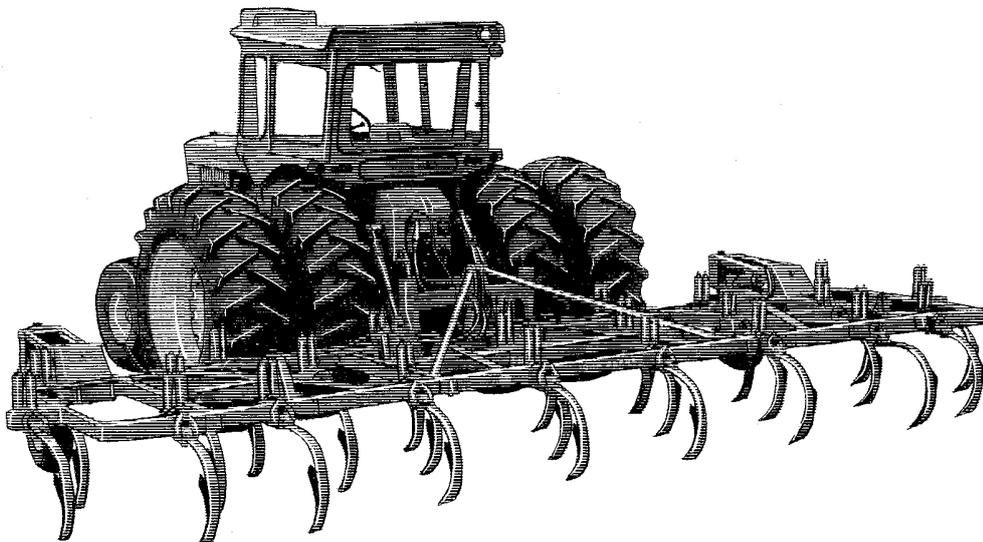
**OM-N159730**

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**Integral Chisel Plow**

**Issue C0**

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# To the Purchaser

This new chisel plow 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, lubrication, trouble shooting, removal and storage or installation. Read the Table of Contents to learn where each is located.

Should your chisel plow require replacement parts go to your John Deere dealer where you can obtain Genuine John Deere Parts—accept no substitutes. Genuine John Deere Parts fit properly and insure satisfactory service because they are made from the original patterns and from the same materials as used in new machines.

“Right-hand” and “left-hand” sides are determined by facing the direction the chisel plow will travel when in use.

Record your chisel plow serial number in the space provided on page 25. Your dealer needs this information to give you prompt, efficient service when you order parts or attachments.

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



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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# Operation

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## DESCRIPTION

The 1001FH Chisel Plow is operated completely by the tractor rockshaft control system. Load and depth response for the entire chisel plow, and additional tractor hitch lift capacity, is obtained by moving the rockshaft control lever on the tractor. Gauge wheels mounted on the flexible outriggers, are actuated by hydraulic cylinders connected in series with the tractor rockshaft cylinder. Cylinder displacements are designed so outriggers lift simultaneously with the tractor three-point hitch.

## PREPARING THE TRACTOR

Check the tractor over completely before hitching to the chisel plow.

The hydraulic system should be in good condition and checked for optimum pressure rating as outlined in your tractor operator's manual.

### Tractor Wheels and Hitch

The tractor should be equipped with a category 2, 3-point hitch, with or without quik-coupler or a category 3 quik-coupler 3-point hitch.

Locate the sway blocks in the category 2 upper position or in the category 3 upper position as shown in your tractor operator's manual. This will permit side sway when the chisel plow is working the ground. Pin the drawbar in the short centered position.

Set the wheels on the 4000, 4010, and 4020 Tractor at minimum (72 inches) spacing. Set the wheels on the 4520, 5010, and 5020 at their maximum possible width. Both wheels should be set equidistant from the center line of the tractor. A wide rear wheel tread contributes to uniformity in depth of operation.

## Tire Inflation

Check tractor tires for correct inflation pressures. See your tractor operator's manual.

## Lift Links and Center Link

Adjust the length of the lift links to 29-9/16 inches on the 4000, 4010, and 4020 Tractors and to 34-7/8 inches on the 4520, and to 39-9/16 inches on 5010, and 5020 Tractors.

Adjust the length of the center link to 26-7/16 inches on the 4000, 4010, and 4020 Tractor and 29-5/8 inches on the 4520, and to 30-1/8 inches on 5010, and 5020 Tractors.

## Float Adjustment

Adjust the lift links for "FLOAT" of the implement. See your tractor operator's manual.

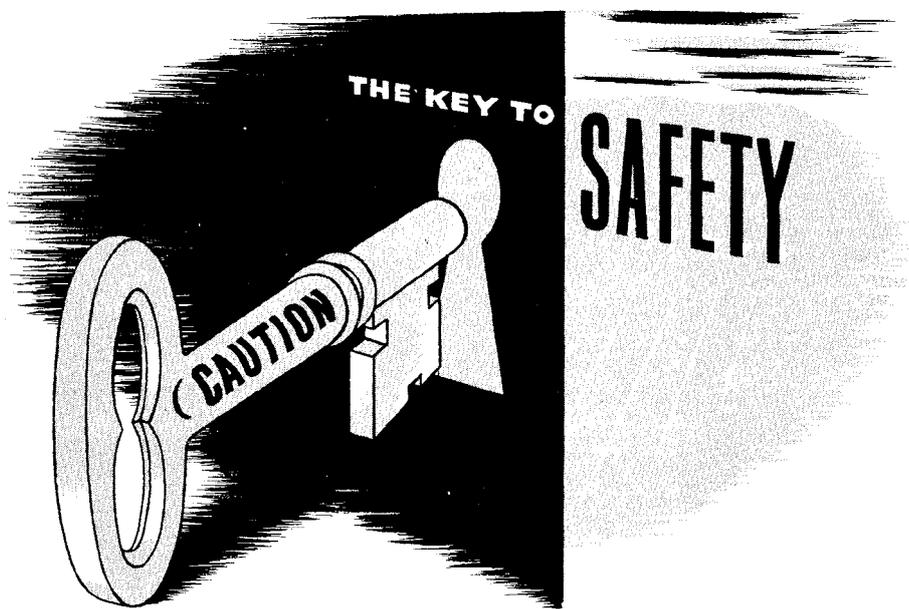
## Selector Lever

Place the selector lever in the "LD" position. See your tractor operator's manual.

### Front End Weights and Rear Wheel Weights

See your tractor operator's manual for information on the use of rear wheel weights with heavy integral implements. The chart below gives the recommended front end weight requirements for your particular tractor. It is recommended that front end weight given in the chart below be added to the tractor before operating the chisel plow. Front end weights increase the operating stability of the tractor.

TRACTOR MODEL	FRONT AXLE	CHISEL PLOW		
		120IFH	122IFH	124IFH
4000 Row-Crop	Adjustable Tread	820 Lbs.	* N.R.	* N.R.
4020 Row-Crop	Adjustable Tread	820 Lbs.	* N.R.	* N.R.
4520 Row-Crop	Adjustable Tread	735 Lbs.	820Lbs.	820Lbs.
5020 Row-Crop	Adjustable Tread	650Lbs.	735Lbs.	820Lbs.
5020 Standard	Adjustable Tread	650Lbs.	735 Lbs.	820 Lbs.
* Not Recommended				

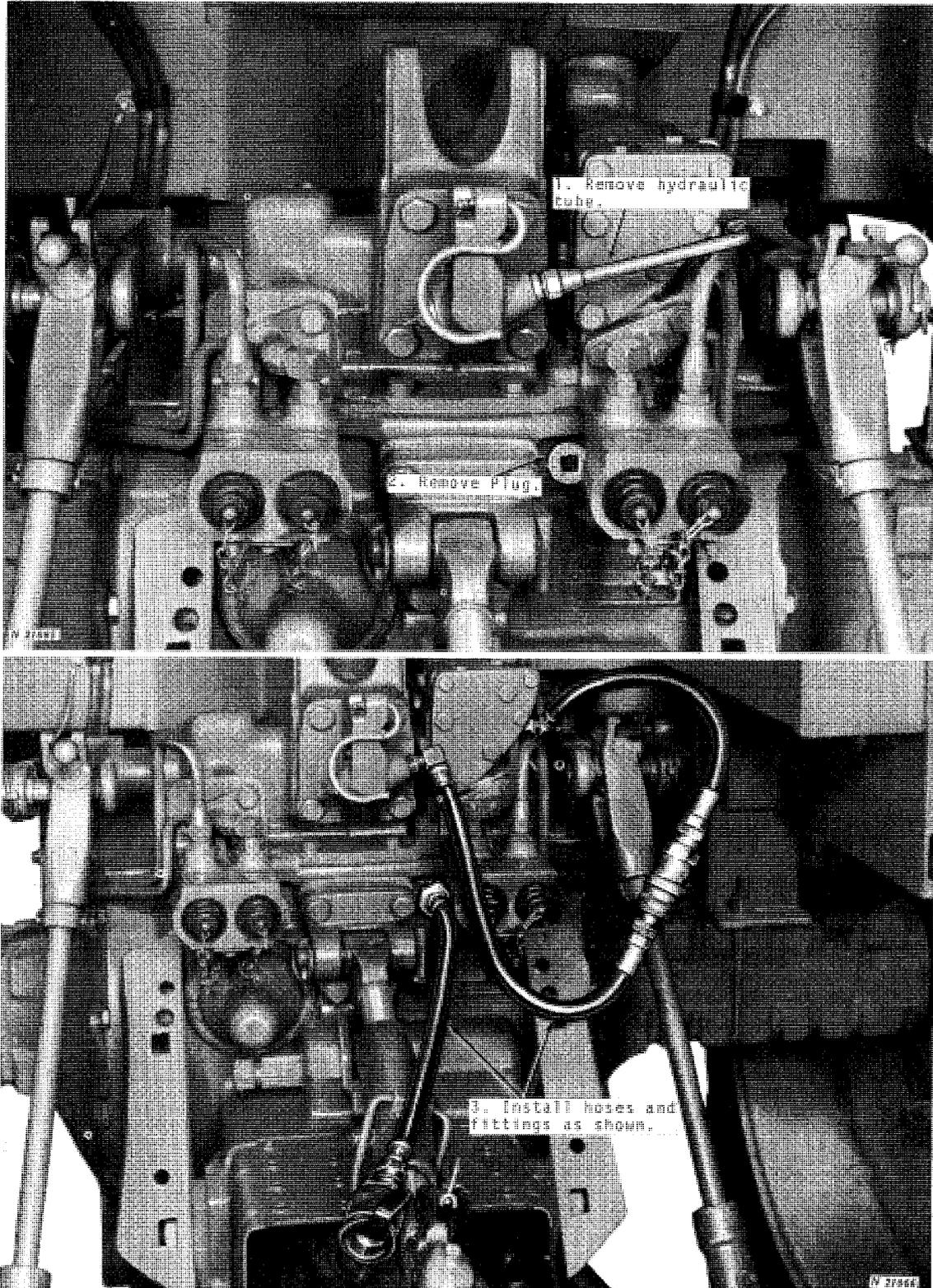


## PREPARING THE TRACTOR—Continued

### Tractor Hydraulic System

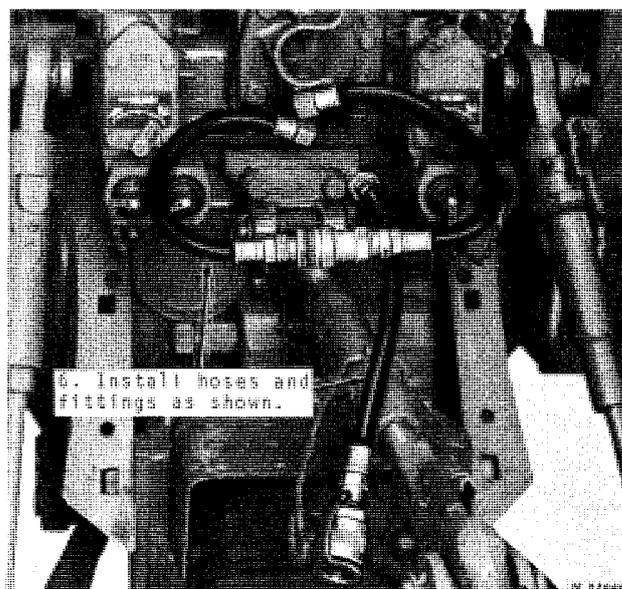
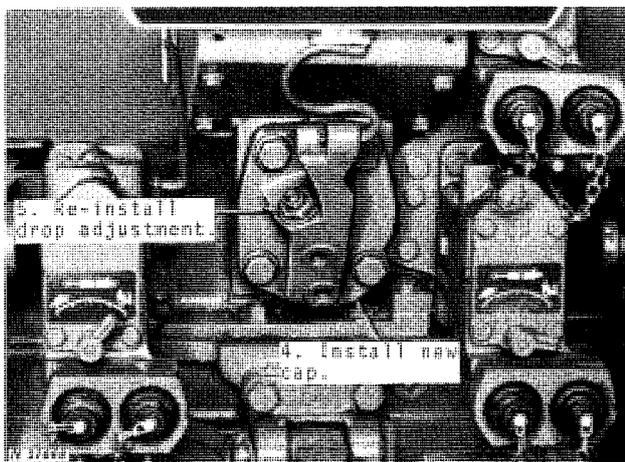
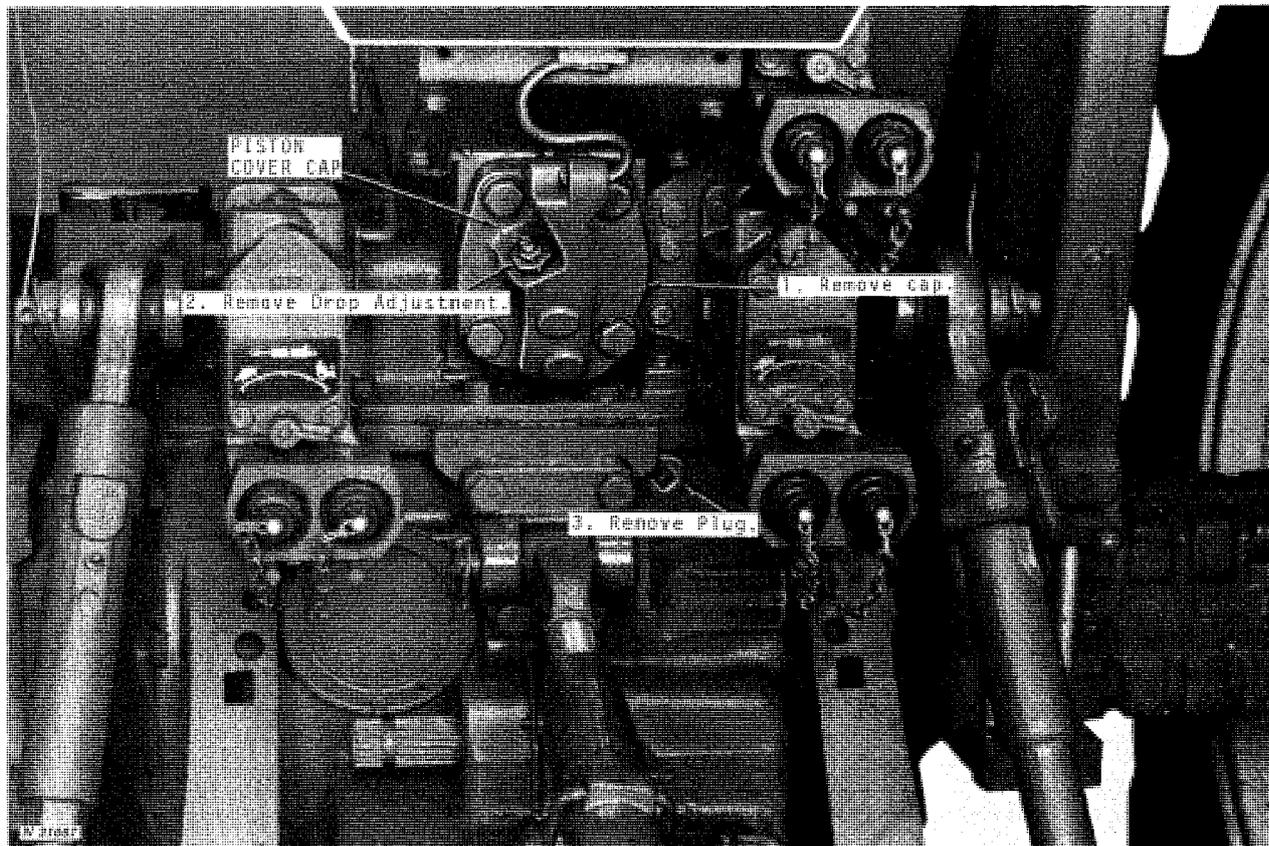
The tractor rockshaft hydraulic control system circuit must be changed to adapt the 100IFH Chisel Plow. Illustrations with instructions for the different tractors should be followed closely when the circuit is changed. Make sure all connections are tight before operating.

All 4010 Tractors and 4020 Tractors Below Serial No. 201,000



4020 Tractor Above Serial No. 201,000

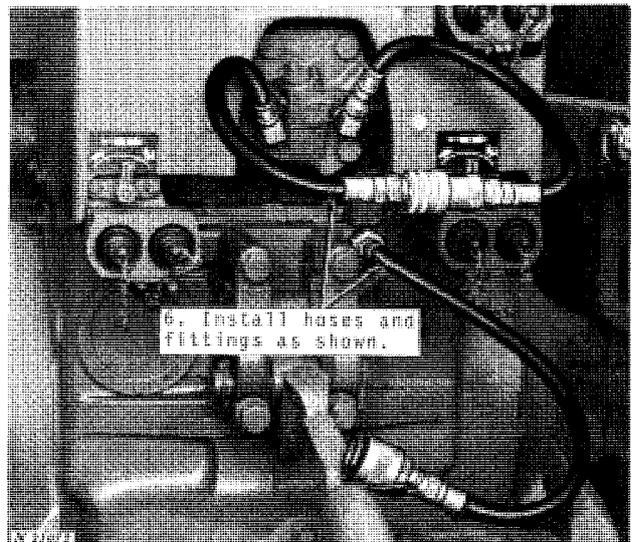
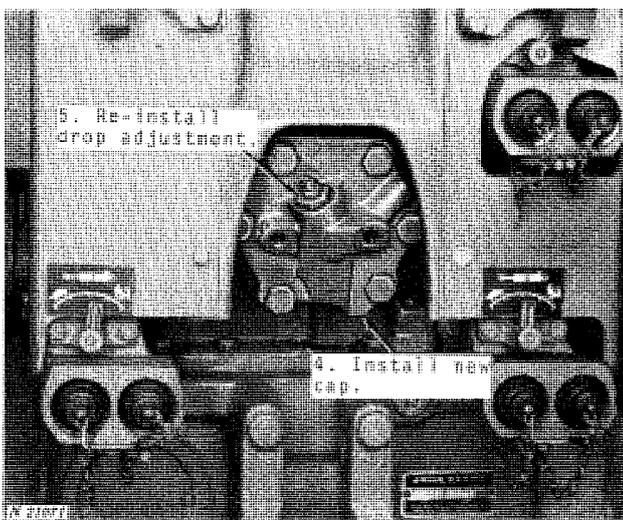
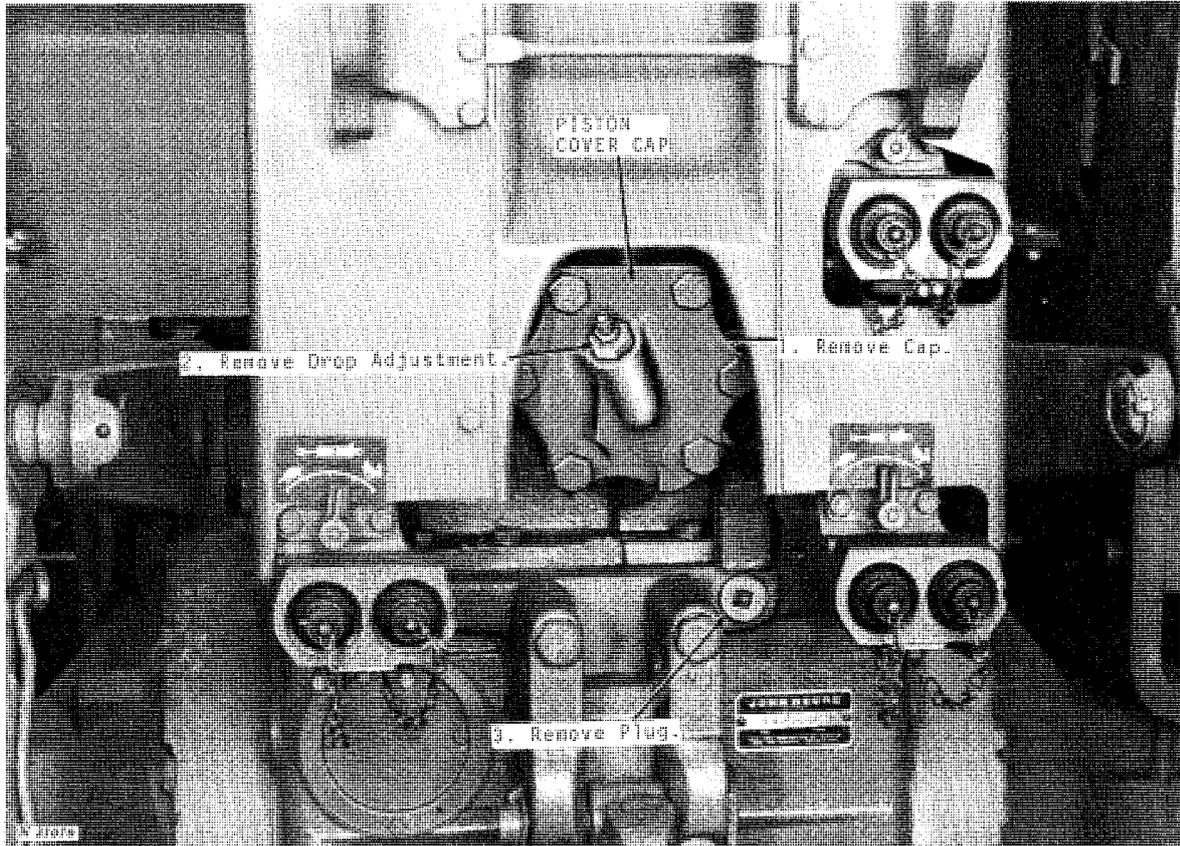
NOTE: A different piston cover cap is required if the tractor is not equipped with the John Deere Power Weight-Transfer Hitch.



## PREPARING THE TRACTOR—Continued

### 4520 Tractor

*NOTE: A different piston cover cap is required if the tractor is not equipped with the John Deere Power Weight-Transfer Hitch.*



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