

# **45 FARM LOADER FOR 530, 630, 730, 520, 620, 720, 50, 60, 70, A, B, AND G TRACTORS**



## **OPERATORS MANUAL**

45 FARM LOADER FOR 530, 630, 730, 520, 620,  
720, 50, 60, 70, A, B, AND G TRACTORS

OMC13982C I3 English

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ENGLISH



## TO THE PURCHASER

This manual covers the operation, service, and assembly instructions for the John Deere No. 45 Hydraulic Loader, "Series 1." This Loader has been designed to give many years of satisfactory service.

The successful operation and long life of the machine depends of course on proper operation and the care given it. The first recommendation is that you read this manual carefully and follow the instructions. By so doing you may save much time and expense in the field. If additional information is needed, see your John Deere dealer.

Lubrication is very important. Refer to Lubrication Charts.

When in need of parts see your John Deere dealer. He is equipped to provide genuine John Deere parts and service.

## LOCATION REFERENCE

Right-hand and left-hand reference is determined by standing at the rear of the tractor-loader combination and facing the forward direction of travel.

Before you forget, fill in the information below.

## IDENTIFICATION

Write Series Number of your Loader here.....

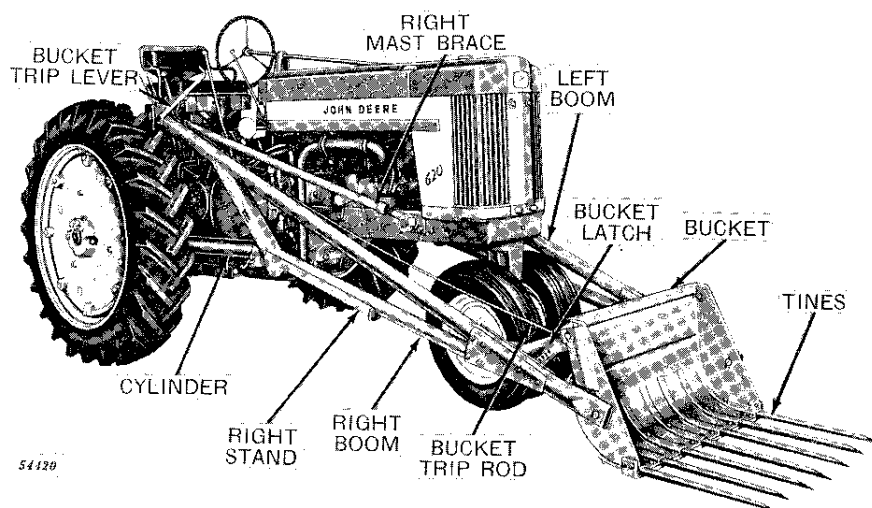
(The Series Number Plate is attached to the rear truss of the right boom member.)

Date Purchased.....

*(It is John Deere policy to improve our machines at every opportunity. Consequently, it may be necessary to change design without notice.)*

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*Right-Hand View of John Deere No. 45 Loader on John Deere  
620 Tractor*

## SPECIFICATIONS

The John Deere No. 45 Hydraulic Loader has been designed to fit the following tractors:

John Deere 530, 630, 730, 520, 620, and 720 Series Row-Crop Tractors with remote cylinder function and with Dual or Single Front Wheels.

John Deere Models 50, 60, 70, A, B, and G Row-Crop Tractors with Powr-Trol or Powr-Trol conversion and with Dual or Single Front Wheels.

I.H.C. Farmall M, Super M, H, Super H, Super MTA, Nos. 300 and 400 Tractors.

The power for operating the loader is derived from the tractor hydraulic system. Raising and lowering the loader boom is accomplished by means of the tractor hydraulic control lever.

Weight (Gross).....	759 lbs.
Over-All Length (On John Deere 620 Tractor with 12:00 x 38 Tires).....	195 in.
Rated Breakaway Capacity.....	3200 lbs.
Rated Lift Capacity.....	2150 lbs.
Lift Height (To Heel of Bucket).....	10-1/2 ft.

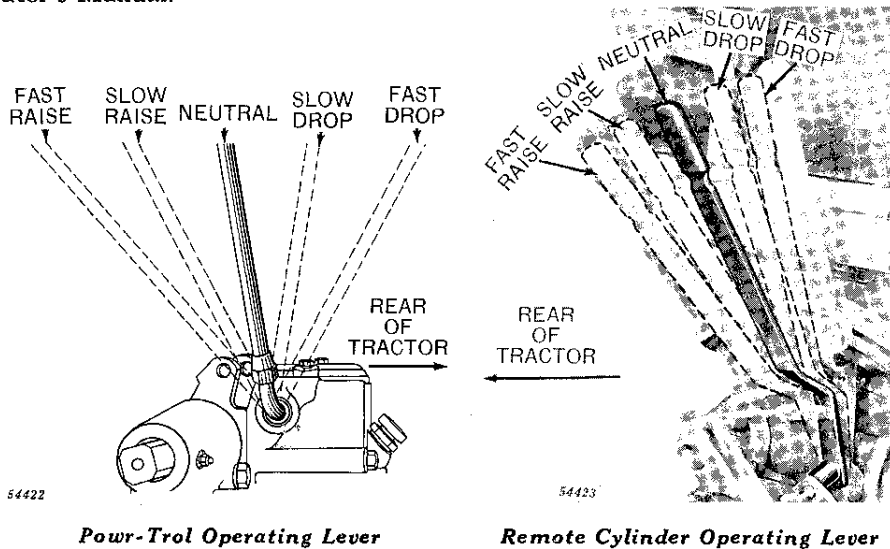
The following optional equipment is available for use with the No. 45 Loader:

Bottom Sheet Extension  
Utility Bucket  
Dirt Bucket  
Scraper Blade  
Crane

*(Specifications and design subject to change without notice.)*

## OPERATION CONTROLS

Adjust the tractor hydraulic system for single action cylinder operation (if tractor is equipped with double action valve). Refer to tractor Operator's Manual.

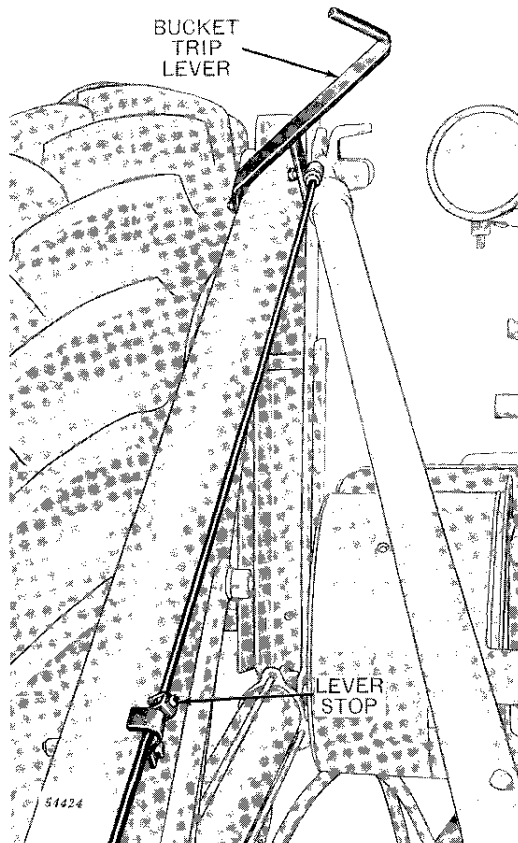


When the No. 45 Loader is mounted on John Deere 50, 60, 70, A, B, and G Tractors with Powr-Trol, place the Powr-Trol lever in forward position to raise the boom. Place the lever in rear position to lower the boom.

When the loader is mounted on John Deere 530, 630, 730, 520, 620, and 720 Tractors, place the remote cylinder operating lever in rear position to raise the boom. Place the lever in forward position to lower the boom.

When the loader is mounted on Farmall Tractor, operate the control lever as instructed in the tractor operator's manual.

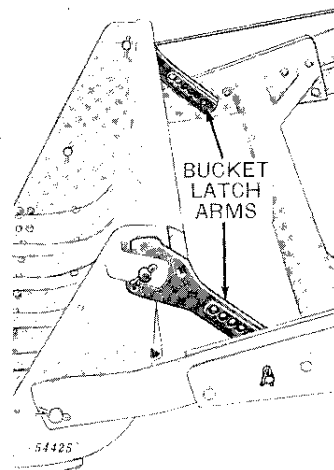
## BUCKET TRIP AND SUCK ADJUSTMENT



The bucket trip lever can be located at the upper end of either the right- or left-hand boom.

The lever stop on bucket trip rod must be located on the rod at a point where the bucket latch arms are held in proper place to lock the bucket. This point is determined by raising the boom slightly off of the ground and latching the bucket securely. Push the bucket trip lever rearward until no slack remains in the trip rod but without tripping the bucket. Place the lever stop against the stop on the boom and tighten set screw.

Bucket suck adjustment is provided by the series of holes in the bucket latch arms. Pin the arms to boom using the holes which give the desired tine penetration. **Whenever the arms are relocated on the attaching pins for different bucket suck be sure to relocate the lever stop as instructed above.** This will insure proper latching of the bucket.



## **OPERATING SUGGESTIONS**

Be sure that the tractor hydraulic control lever is in drop position when breaking the hydraulic couplers.

Clean hoses and fittings before assembling or disassembling hoses. Dirt in the hydraulic system is costly.

Check the oil level in the hydraulic system daily. Keep oil supply up to proper level.

When lowering a heavy load, ease it downward slowly. Stopping a heavy load suddenly after it has gained downward momentum, if done excessively, may result in damage to the loader or tractor.

## **SAFETY SUGGESTIONS**

Loader should never be operated except from tractor seat.

Carry loads low.

Operate at slow ground speeds, especially on irregular ground.

Never operate a loader with frayed hoses or leaky fittings. A leak in the hydraulic system retards the efficient operation of the loader and may cause an accident.

Under no circumstances lift a person in the bucket.

Do not leave bucket in raised position.

Do not stand underneath a raised bucket.

Operate with the tractor wheels at widest tread spacing permissible for clearance.

## **WHEEL WEIGHTS AND TIRE INFLATION**

The addition of rear wheel weights to tractor will improve performance of loader.

Increased tire inflation in front tires is recommended for loader operation. Refer to your tractor Operator's Manual for correct inflation pressures and wheel weighting. Reduce inflation pressures when loader is removed. 6:00-16 6-ply tires are recommended for loader operation.



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