

35 Series 1 Farm Loader 1010 Utility, Single Row-Crop, and Row-crop Utility Tractors



JOHN DEERE

OPERATORS MANUAL

35 Series 1 Farm Loader 1010 Utility, Single
Row-Crop, and Row-crop Utility Tractors

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to the purchaser

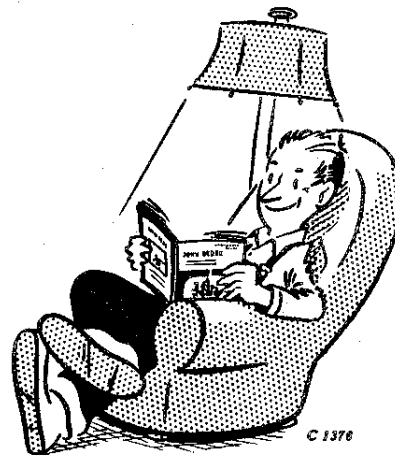
This manual covers the operation, service, and lubrication instructions for the John Deere 35 Farm Loader, "Series 1," for 1010 Utility, Single Row-Crop, and Row-Crop Utility Tractors.

This loader has been designed to give many years of satisfactory service. The successful operation and long life of the loader 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 the Lubrication Chart.

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

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.

| | |
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| JOHN DEERE 35 FARM LOADER "Series 1" | |
| Date Purchased | 19 |
| <i>(To be filled in by purchaser)</i> | |



contents

| | Page |
|---|-------|
| IDENTIFICATION VIEWS | 2-3 |
| SPECIFICATIONS | 4 |
| OPERATION | 5-20 |
| Controls | 5-6 |
| Tractor Operation | 6 |
| Loader Operation | 7 |
| Attaching Loader | 8-13 |
| Detaching Loader | 13-18 |
| Checking Couplers | 18 |
| Safety Suggestions | 19 |
| EXTRA EQUIPMENT | 19-22 |
| LUBRICATION | 23 |
| SERVICE | 24-27 |
| Installing Remote-Controlled Hydraulic Attachment | 24-25 |
| Cylinders | 26 |
| Adding Oil to Tractor Hydraulic System | 27 |
| TROUBLE SHOOTING | 28-29 |

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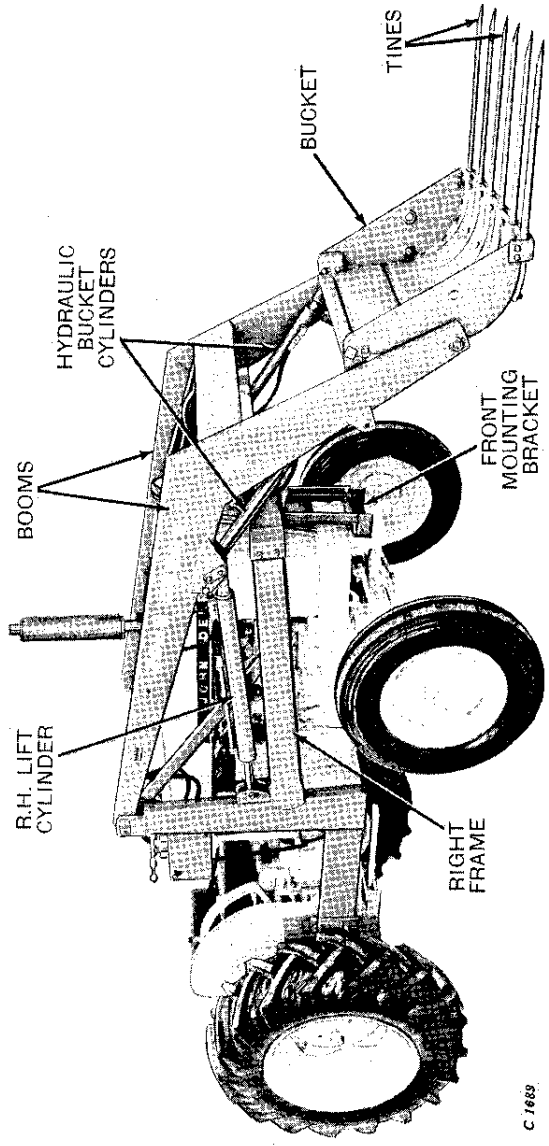
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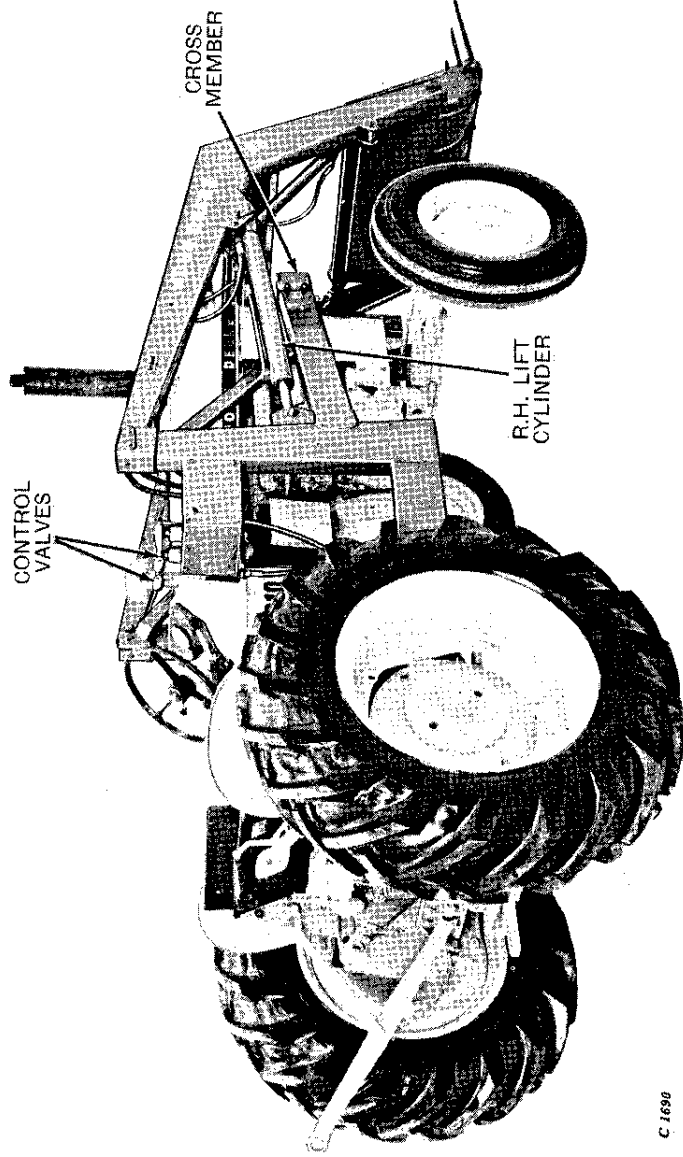
The full manual is available for immediate download.

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C-1682

John Deere 35 Farm Loader with Hydraulically-controlled 6-Tine Bucket on John Deere 1010 Utility Tractor



C 1698

John Deere 35 Farm Loader on John Deere 1070 Utility Tractor



specifications

Tractors 1010 Utility, 1010 Single Row-Crop, 1010 Row-Crop Utility, 2010 Row-Crop, 2010 Row-Crop Utility, 3010 Row-Crop Utility, 3010 Standard, 435 Diesel, 330, 430, 320, 420, and 40.

Tractors Must Be Equipped as Follows:

1010 Utility Single rockshaft without remote cylinder valve attachment.
1010 Single Row-Crop Single or dual rockshaft without remote cylinder valve attachment.
1010 Row-Crop Utility Dual rockshaft without remote cylinder valve attachment.

Bucket Control Mechanical or hydraulic.

Control Valves

Mechanically-controlled bucket One Char-Lynn control valve to boom.
Hydraulically-controlled bucket Two Char-Lynn control valves; one for boom and one for bucket.

Operating power Tractor hydraulic system.

Weight (Gross) 775 pounds.

Over-all length (On John Deere 1010 Utility Tractor) 170 inches.

Rated breakaway capacity at 1350 psi 2000 pounds.

Rated lift capacity at 1350 psi . . . 1700 pounds.

Lift height (to heel of bucket) . . . 9 feet, 9 inches.

Extra Equipment Blade Attachment Spill Sheet.
 Crane Attachment Dirt Bucket.
 7-Tine Bucket Utility Bucket.
 Bottom Sheet Extension.

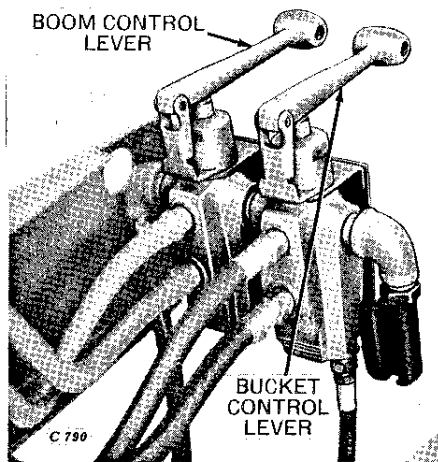
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operation

Controls

Loader with hydraulically-controlled bucket



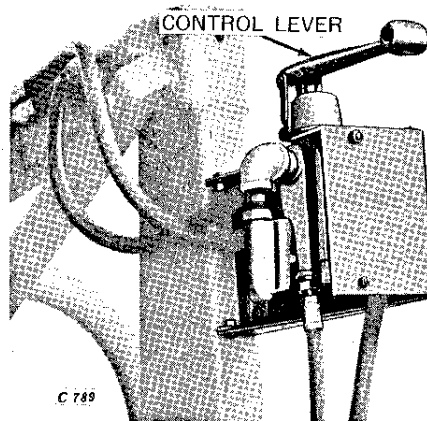
When the 35 Loader with hydraulically-controlled bucket is mounted on a John Deere Tractor, two control valves are required.

The right-hand valve controls the up and down movement of the boom. The boom may be stopped at any point between fully raised and fully lowered positions by releasing the lever. Pushing the lever down raises the boom, and lifting the lever lowers the boom.

The inner control valve (left-hand) controls the hydraulic bucket operation. Pushing the lever down tips the bucket downward, raising the lever returns the bucket to digging or carrying position.

The world's best safety device is a careful operator.

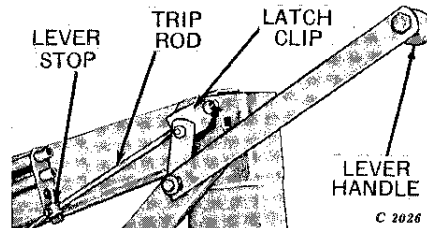
Loader with mechanically-controlled bucket



When the 35 Loader with mechanically-controlled bucket is mounted on a John Deere Tractor, one control valve must be added to the tractor hydraulic system.

This valve controls the up and down movement of the boom. Pushing the lever down raises the boom, and lifting the lever lowers the boom. The boom may be stopped at any point between fully raised and fully lowered positions by releasing the lever.

Bucket trip lever and suck adjustment



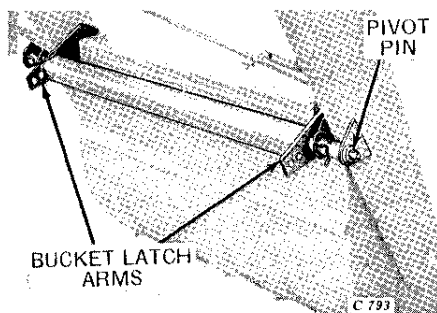
The lever stop on the bucket trip rod must be located on the rod at a

6 operation

point where the latch arms are held in proper place to lock the bucket. This point is determined by raising the boom slightly off the ground and latching the bucket securely. Push the bucket trip lever rearward until no slack remains in the trip rod, but the bucket latch assembly does not move. Place the lever stop against the stop on the boom and tighten set screw.

This adjustment must be made each time bucket suck (tilt) is changed.

The handle of the trip lever may be assembled on either side of the lever to suit the convenience of the operator.



Bucket suck adjustment is provided by a series of holes in the bucket latch assembly. Removal of the spring locking pins and latch pivot pins and relocation in other holes in the latch arm assembly will tilt the bucket. Using holes further back in the latch arm assembly will tilt the bucket at a greater angle resulting in faster and deeper penetration of the bucket teeth. Best results are obtained when downward tilt is not excessive.

Whenever the pivot pins are relocated in the latch assembly, the trip rod and lever must be readjusted as explained on page 5.

Tractor operation

Wheel weights and spacing

Front wheels

Adjust front axle for minimum front wheel tread.

Do not use front end weights.

Use 7:50 x 16, 6-ply tires on front wheels for loader operation.

Rear wheels

Use maximum rear wheel tread setting on all tractors.

Use maximum rear wheel weighting as shown in tractor operator's manual.

Tire inflation

Increased tire inflation in front tires is recommended for loader operation. Refer to your tractor operator's manual for correct inflation pressures.

Cold weather starting

In cold weather, run the tractor engine at half throttle speed ten minutes to warm the oil in the hydraulic system; most cold weather troubles are caused by operating loaders with cold oil. Warming the oil before loading will assure smooth operation of the loader. Also, be sure proper weight of oil is used in hydraulic system.

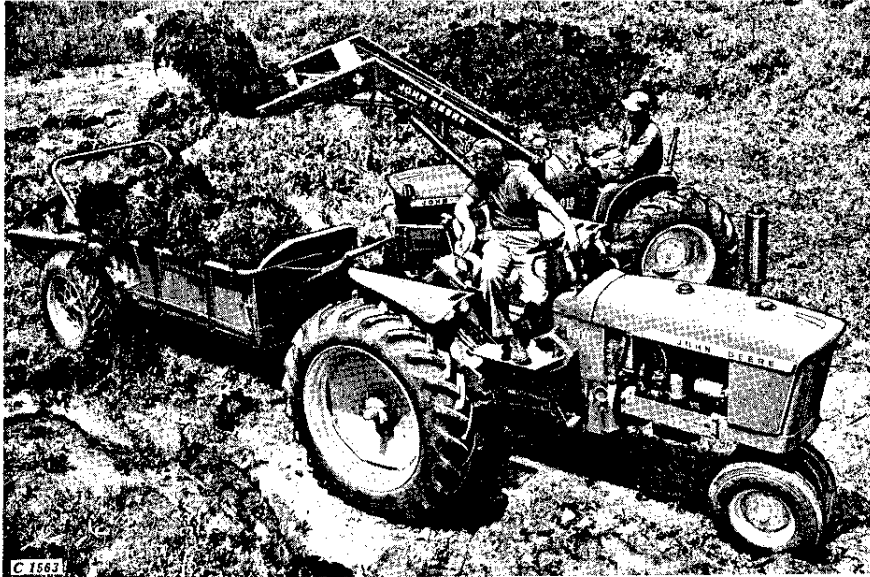
Checking oil level

Check the oil level in the hydraulic system daily. Keep oil supply up to the proper level. The oil level should be checked with the bucket on the ground and tractor engine stopped. If the oil level is low, see page 26.

Engine speed

When operating the loader under average conditions, drive the tractor at reduced throttle in second gear.

Loader operation



Filling bucket



Never operate loader unless seated on tractor seat.

When manure is piled on a slope it is best to approach the pile uphill and back away downhill. Operating sideways on a slope has a tendency to tip the loading unit.

Drive tractor straight into pile for most effective digging. Manure is torn loose from a pile and bucket is filled easier by forcing the bucket into pile and raising the bucket about six inches. Then drop bucket and drive forward. Repeat this procedure until bucket is filled. In deep manure, remove top levels first.

Dumping bucket

Bring the bucket to proper dumping height, about one foot above spreader, just before spreader is reached. When the bucket is above spreader, trip the load. Drive tractor forward and raise bucket at same time to distribute load evenly into spreader. Dumping load from a low position provides better loading, less spillage of manure, and is easier on the spreader.

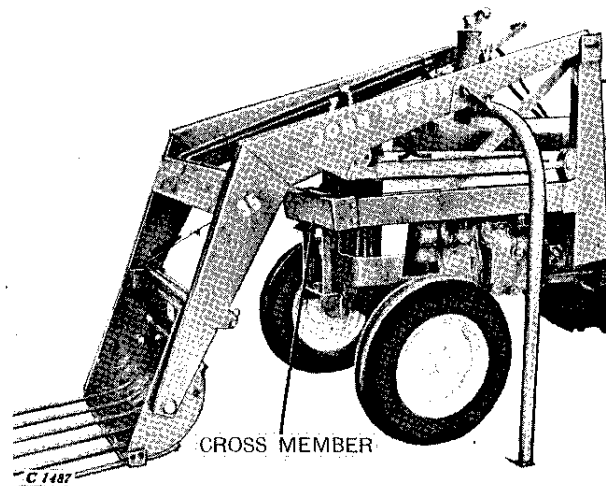


Carry the load low as this gives added stability to the loading unit.

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.

8 operation

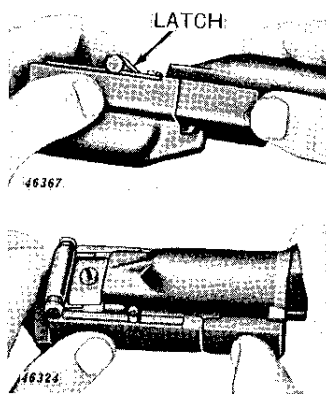
Attaching loader POSITIONING TRACTOR



Arrange hydraulic hoses so they will not touch the ground or become tangled with the tractor or loader. Do not run over the couplers or hoses with the tractor wheels.

Drive the tractor into mounting position between side booms of the loader until the front mounting bracket and the cross member of the frame assembly meet. The tractor hood should be centered between the right and left frames.

CONNECTING HYDRAULIC HOSES



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

In locations where Char-Lynn couplers are used, align the plain coupler and the coupler with latch so the bosses seat in the slots. Note that the latch is at the rear of the coupler.

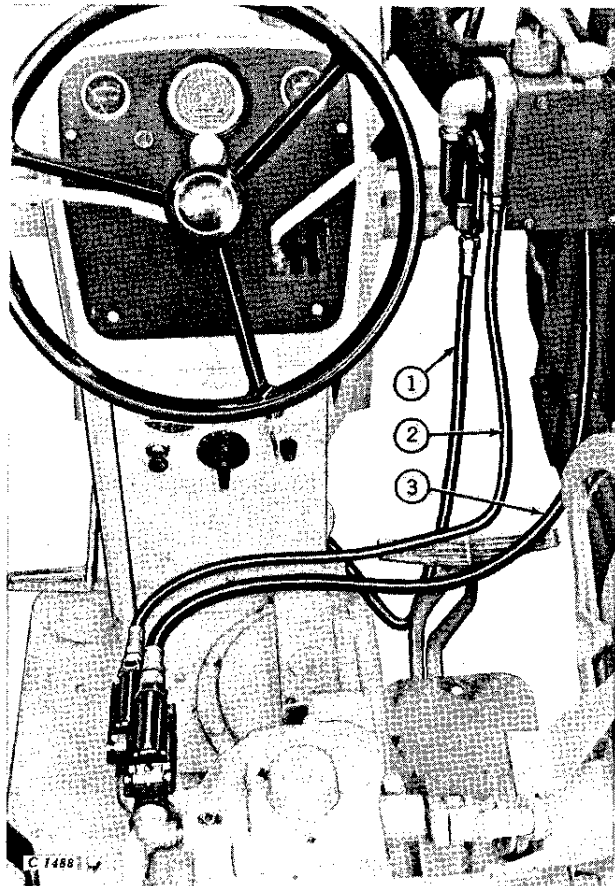
Force the plain coupler into the coupler with latch, using a swift forward motion to prevent oil spillage.

Center the latch sideways to lock the two couplers together.

From the following headings select the section pertaining to your tractor and loader combination. Connect the hydraulic hose couplers as shown under that heading.

CONNECTING HOSES (LOADER WITH MECHANICALLY OR HYDRAULICALLY-CONTROLLED BUCKET)

1010 Utility and 1010 Single Row-Crop Tractors with single rockshaft



CAUTION: Do not disconnect pressure hose until tractor engine has been shut off.

1. Disconnect the pressure hose from housing and connect it to Char-Lynn control valve.

2. Connect pressure relief to lower coupler in housing.

3. Connect return hose to upper coupler in housing.



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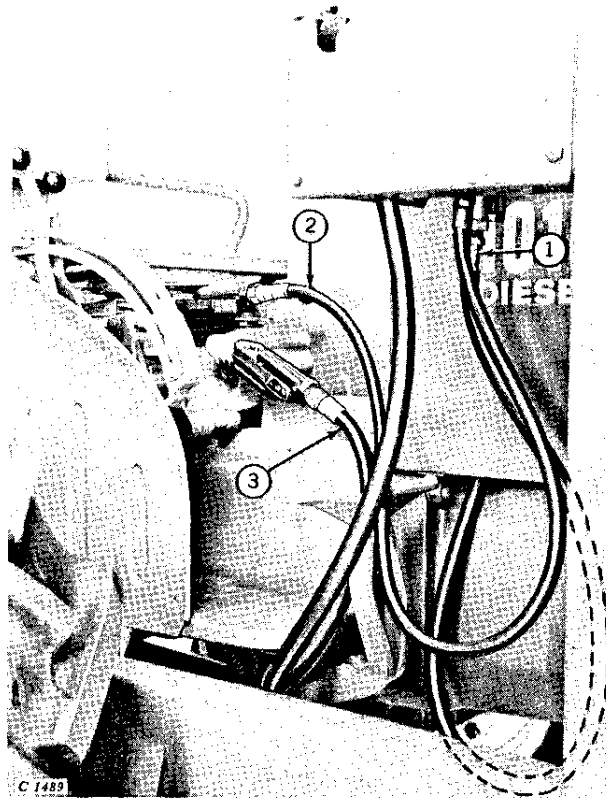
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Thank you so much for reading

Attaching loader—continued

CONNECTING HOSES (LOADER WITH MECHANICALLY OR HYDRAULICALLY-CONTROLLED BUCKET)

1010 Single Row-Crop Tractors with dual rockshaft



CAUTION: Do not disconnect pressure hose until tractor engine has been shut off.

1. Disconnect the pressure hose from housing and connect it to the Char-Lynn control valve.
2. Connect the pressure relief hose to upper coupler in housing.
3. Connect return hose to lower coupler in housing.

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