

36A FARM LOADER



OPERATORS MANUAL

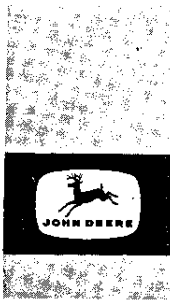
**36A
FARM LOADER**

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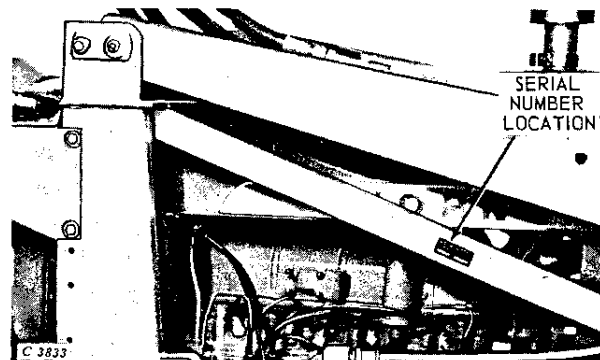
TO THE PURCHASER

This manual contains the operating, servicing and lubricating instructions for the John Deere 36A Farm Loader.

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 doing so 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.



The serial number of your new loader is located on the right frame as shown above. Record this number in the space below for reference when requesting information or ordering parts.

JOHN DEERE 36A FARM LOADER

Loader Serial No.

Date Purchased19...

(To be filled in by purchaser)



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DESCRIPTION

The John Deere 36A Farm Loader has been designed for use with the John Deere 1010 Utility, Row-Crop, Row-Crop Utility, Special Row-Crop Utility, and Single Row-Crop Tractors; 2010 Row-Crop and Row-Crop Utility Tractors; 330 and 320 Standard and Utility Tractors, 430, 420, and 40 Standard, Utility, Tricycle, and Row-Crop Utility Tractors; and 435 Diesel Tractor.

The 36A Loader mounted on a 2010 Tractor can be controlled by the tractor remote hydraulic control attachment or by an independent control valve.

The 36A Loader mounted on a 1010, 430, 330, 420, 320, or 40 Series Tractor, must be equipped with an independent control valve.

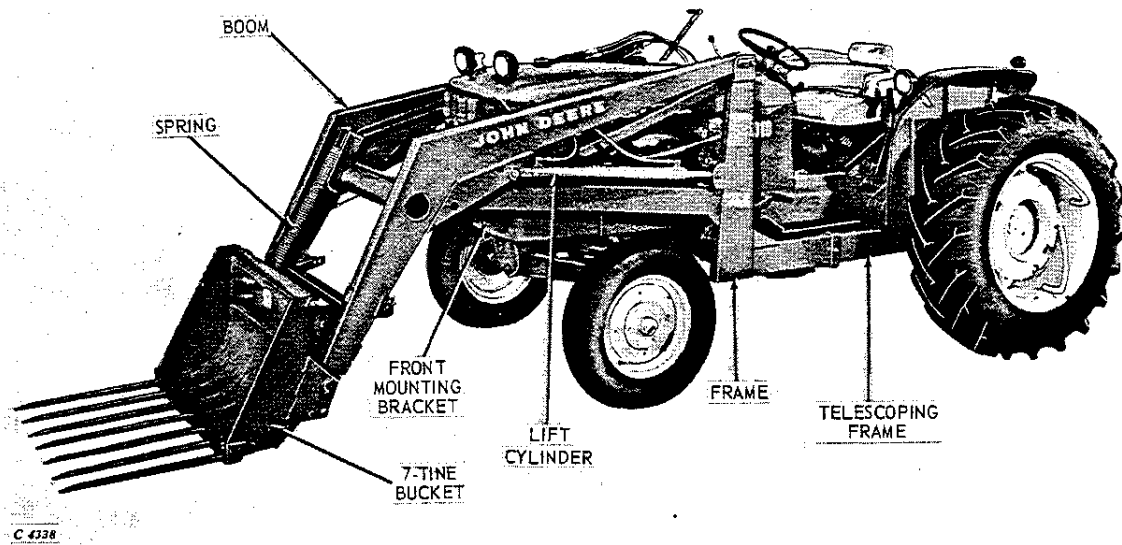
A loader with a hydraulically-controlled bucket requires a tractor with dual remote hydraulic control attachment if the loader is to be operated with the tractor controls or a two-spool independent control valve.

A loader with a mechanically-controlled bucket requires a tractor with a single or dual remote hydraulic control attachment if the loader is to be operated with the tractor controls or a single-spool independent control valve.

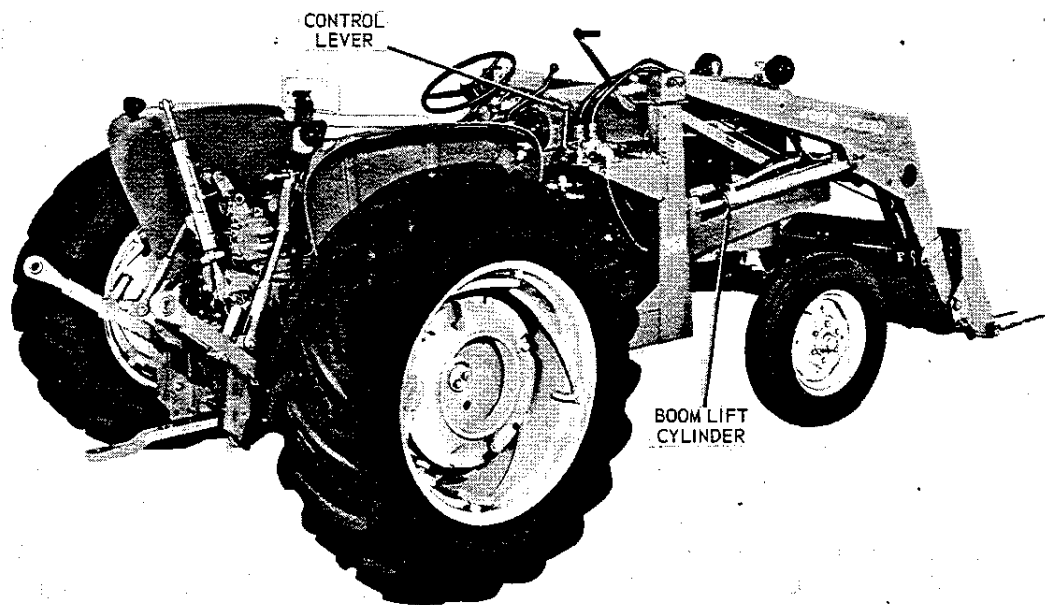
The loader is equipped with double-action lift cylinders. To provide additional operating convenience, a "float" position is provided in the independent lift cylinder control valve.

Three buckets are available for use with the loader: a 6-tine bucket, a 7-tine bucket, and a 60-inch materials bucket. All three buckets may be mechanically-controlled. The 7-tine and 60-inch materials buckets only may be hydraulically-controlled.

Right-hand or left-hand references are determined from the tractor seat looking toward the front.



*John Deere 36A Farm Loader with Mechanically Controlled 7-Tine Bucket
on John Deere 2010 Row-Crop Utility Tractor*



*John Deere 36A Farm Loader with Mechanically Controlled 7-Tine Bucket
on John Deere 2010 Row-Crop Utility Tractor*



SPECIFICATIONS

TRACTORS 1010 Utility, Row-Crop Utility, Special Row-Crop Utility, and Single Row-Crop Tractors; 2010 Row-Crop and Row-Crop Utility Tractors; 330 and 320 Standard and Utility Tractors, 430, 420, and 40 Standard, Utility, Tricycle, and Row-Crop Utility Tractors; and 435 Diesel Tractor.

TRACTOR HYDRAULIC EQUIPMENT REQUIRED Tractor Equipped with Rockshaft

LIFT AND BUCKET CYLINDERS Double Action

BUCKET CONTROL Mechanical or Hydraulic

BUCKETS: 60-inch Materials
41-inch 7-Tine Manure
34-inch 6-Tine Manure

WEIGHT (With Independent Control Valve, 7-Tine Mechanically-Controlled Bucket) 1016 Pounds

OVER-ALL LENGTH (On John Deere 2010 Row-Crop Utility Tractor with 7-Tine Bucket) 16 Feet, 6 Inches

RATED BREAKAWAY CAPACITY AT GROUND LEVEL @ 1500 PSI 2500 Pounds

RATED LIFT CAPACITY @ 1500 PSI 1600 Pounds

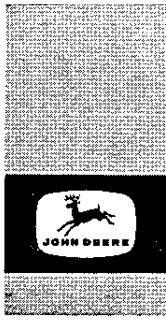
LIFT HEIGHT (To Heel of Bucket) 9 feet, 7 Inches

PENETRATION BELOW GROUND LEVEL 10 Inches (Approx.)

OPTIONAL EQUIPMENT:

Scraper Blade
Crane Attachment
7-Tine Bucket Attachments:
Bottom Sheet Extension
Dirt Bucket
Spill Sheet
80-Inch Utility Bucket
Spring for Relatching Utility Bucket

6-Tine Bucket Attachments:
Bottom Sheet Extension
Dirt Bucket
Spill Sheet
73-Inch Utility Bucket
60-Inch Materials Bucket Attachments:
Tines with Cover
Bottom Sheet Extension with Sides
80-Inch Utility Bucket



OPERATION

PREPARING AND OPERATING THE TRACTOR

The loader may be mounted on tractors with either single or dual front wheels. In either case, use heavy-duty front tires.

If mounted on tractors with dual row-crop wheels, set the wheels for widest front wheel tread. This eliminates the accumulation of mud between the tires, and also provides better stability.

If the tractor is equipped with an adjustable front axle, the axle setting should not exceed 56 inches.

Front end weight should not be used.

Rear Wheels

Use the widest rear wheel tread setting possible under operating conditions.



When barn doors or gates limit the rear wheel tread, extra precaution must be taken when operating loader due to decreased stability.

Rear wheel weighting should be the maximum weight recommended in the tractor operator's manual. Do not exceed the maximum recommended weighting.

TIRE INFLATION

Refer to your tractor operator's manual for correct tire inflation pressures.

Increased tire inflation in front tires is necessary for loader operation.

COLD WEATHER STARTING

In extremely cold weather, run the tractor at half throttle for about 10 minutes to warm up the oil in the hydraulic system. This will assure smooth operation of the loader.

In extremely cold weather, the warm-up period for the hydraulic oil may be shortened considerably by raising the loader to the end of the cylinder stroke and continuing to hold the control lever in operating position. When the oil lines become warm to the touch, release the control lever and return the bucket to ground position.

CHECKING OIL LEVEL

Check the oil level in the tractor hydraulic system daily. Refer to your tractor operator's manual for instructions. Keep oil supply up to proper level. The oil level should be checked with bucket on the ground and tractor engine stopped except on the 435 Diesel which should be checked with the motor running. If oil level is low, add proper weight oil as instructed in the tractor operator's manual.

If air is present in the system due to low oil level, remove air from the system according to instructions on page 21.

ENGINE SPEED

When using the loader under average conditions, operate the tractor at a speed and throttle setting which will deliver maximum loader efficiency with minimum wheel slippage. One-half to two-thirds throttle setting will usually give best results.

SAFETY SUGGESTIONS



Never operate loader except from tractor seat.

Carry loads low.

Operate at slow ground speeds, especially on irregular ground.

Escaping hydraulic oil under pressure can cause personal injury; therefore, be sure all connections are tight and that lines, pipes, and hoses are not damaged. Before disconnecting lines or pipes in the tractor hydraulic system, be sure to relieve all hydraulic pressure.

Under no circumstances lift a person in the bucket.

Do not leave tractor unattended with bucket in raised position.

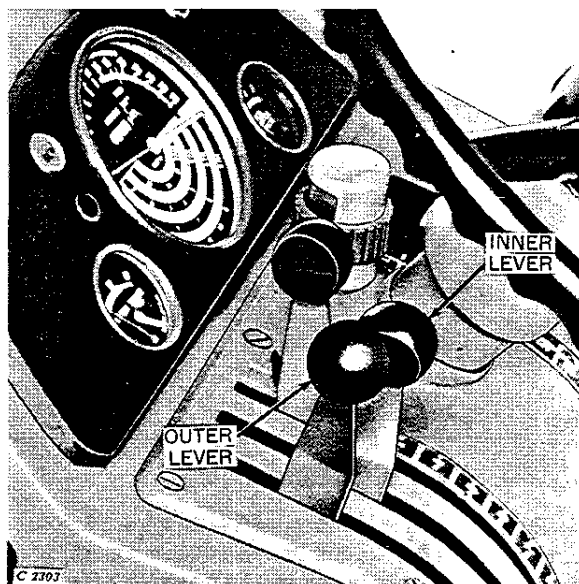
Never operate loader without the minimum recommended amount of rear wheel weights.

Refer to your tractor operator's manual for additional safety suggestions.

OPERATING CONTROLS FOR LOADERS WITH MECHANICALLY-CONTROLLED BUCKET

BOOM CONTROL

Loader Boom Controlled by Tractor Remote Cylinder Operating Lever—2010 Tractors Only



When the loader is mounted on a 2010 Tractor with dual rockshaft and single remote hydraulic system, the outer remote cylinder operating lever is used to control the boom.

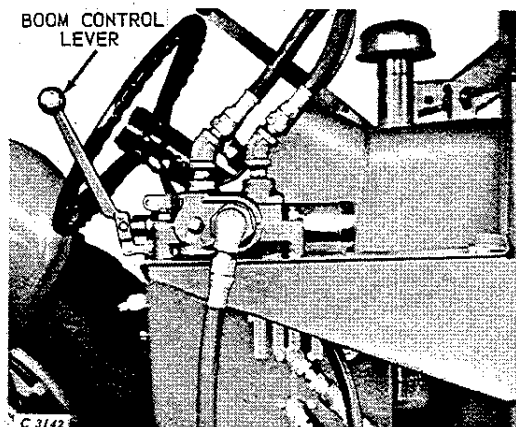
When the loader is mounted on a tractor with single rockshaft and dual remote hydraulic system, the inner remote cylinder operating lever is used to control the boom.

Connect hoses at tractor side outlets so that moving the proper lever forward will lower the boom and moving the lever to the rear will raise it.

Moving the lever farther forward or backward will increase the operating speed of the boom.

If the lever is moved all the way forward, it will remain in that position until the boom reaches its highest point. The lever will automatically return to the neutral position.

Loader Boom Controlled by Independent Control Valve



An independent single-spool control valve must be used to control the loader when it is mounted on a 2010 Tractor without remote hydraulic control attachment and with all 1010 or earlier model tractors of similar size.

The control valve may be mounted on the right- or left-hand mast at different heights to suit the convenience of the operator.

The independent control valve regulates the raising and lowering of the boom. Pulling the lever back raises the boom; pushing the lever forward lowers the boom.

A float position is provided in the valve for jobs where it is necessary for the bucket to follow the contour of the ground. This position may be used to secure "ground-hugging" bucket action when digging at the extreme bottom of a pile. It also may be used to advantage when leveling feed yards with the scraper blade.

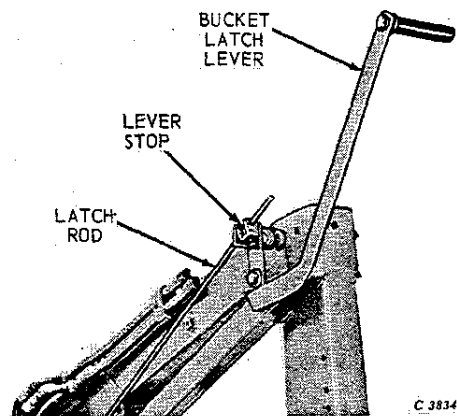
Pushing the lever all the way forward will place the lever in float position. The lever will remain in float position until it is manually pulled back toward neutral.

6 Operation

OPERATING CONTROLS FOR LOADERS WITH MECHANICALLY-CONTROLLED BUCKET—Continued

BUCKET CONTROL

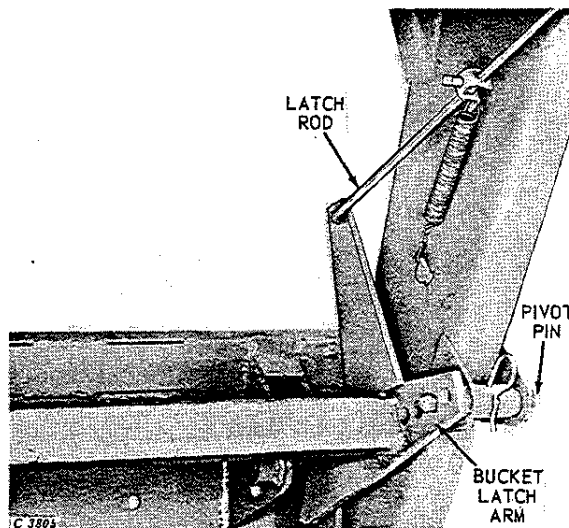
Bucket Trip



The bucket latch lever is located at the upper end of the right-hand boom. Pulling the lever rearward releases the latch arms allowing the weight of the load to swing the bucket into dump position.

The lever stop on the bucket latch 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 the ground and latching the bucket securely. Pull the bucket latch lever rearward until no slack remains in the latch rod but without tripping the bucket. Place the lever stop against the stop on the latch lever and tighten set screw.

Bucket Suck Adjustment



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 penetration. Whenever the arms are relocated on the attaching pins for different bucket suck be sure to relocate the lever stop as instructed at left. This will insure proper latching of the bucket.

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