



37 FARM LOADER



JOHN DEERE

OPERATORS MANUAL 37 FARM LOADER

OMC18644 L6 English

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TO THE PURCHASER

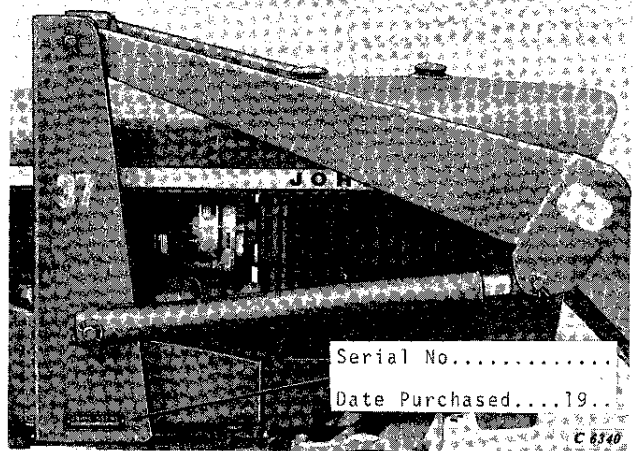
This manual contains the operating, servicing and lubricating instructions for the John Deere 37 Farm Loader.

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. Make this manual your guide and do what it recommends. These instructions have been written specifically for this loader—other loaders may operate differently. Do not rely on advice from others who are not familiar with this loader.

Lubrication is very important. Refer to the Lubrication Chart.

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

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 for reference when requesting information or ordering parts.

DESCRIPTION

The John Deere 37 Farm Loader has been designed for use with John Deere 1020 and 2020 HU, LU, RU, and 2510 Row-Crop Tractors.

The 37 Loader with a mechanically controlled bucket may be used with a 1020 or 2020 Tractor equipped with at least one selective control valve or a rockshaft valve. The 2510 Tractor must be equipped with at least one selective control valve.

The 37 Loader with hydraulically controlled bucket may be used with a 1020 or 2020 Tractor

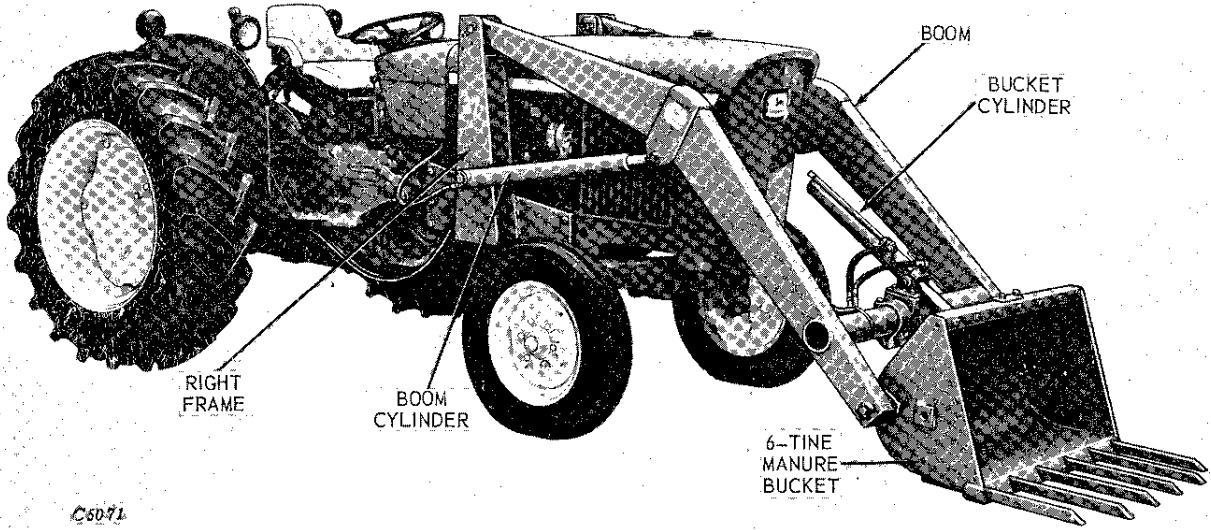
equipped with either two selective control valves or one selective control valve and a rockshaft valve. The 2510 Tractor must be equipped with two selective control valves. If the tractor is not equipped with the proper valves, your John Deere dealer can install the required valves.

The 37 Loader is equipped with single-action boom cylinders.

Two buckets are available: a 6-tine manure bucket or a 40-inch materials bucket.

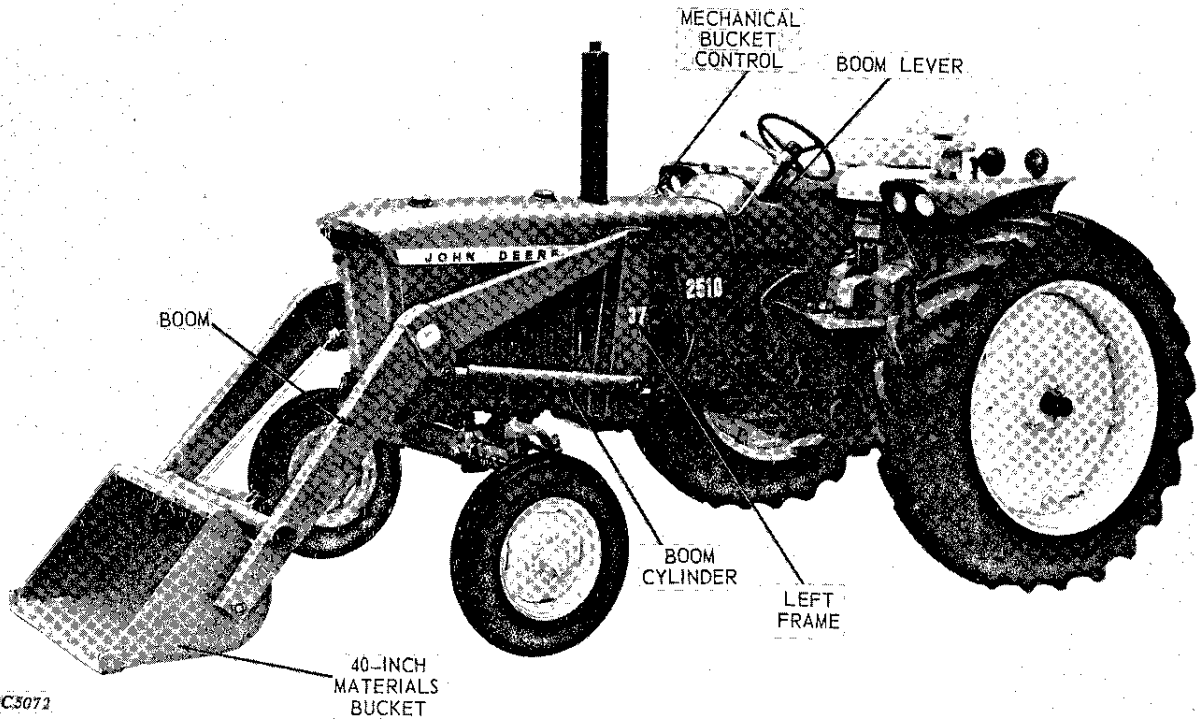
CONTENTS

	Page
IDENTIFICATION VIEWS	2
SPECIFICATIONS	3
OPERATION	4-13
Preparing and Operating the Tractor	4
Operating Loader Controls	5-7
Operating the Loader	8-9
Safety Suggestions	9
Detaching the Loader	10-11
Attaching Loader	12-13
EXTRA EQUIPMENT	14-16
LUBRICATION	17
SERVICE	18
OPERATING DIFFICULTIES	19



C5071

John Deere 37 Farm Loader with Hydraulically Controlled 6-Tine Manure Bucket on John Deere 2020 RU Tractor



C5072

John Deere 37 Farm Loader with Mechanically Controlled 40-Inch Materials Bucket on John Deere 2510 Row-Crop Tractor

SPECIFICATIONS

TRACTORS	John Deere 1020 and 2020 HU, LU and RU Tractors and 2510 Row-Crop
TRACTOR HYDRAULIC EQUIPMENT REQUIRED	For Mechanically Controlled Bucket On 1020 or 2020 Tractors—Rockshaft or one Selective Control Valve On 2510 Tractor—One Selective Control Valve For Hydraulically Controlled Bucket On 1020 and 2020 Tractors—Rockshaft and One Selec- tive Control Valve or Two Selective Control Valves On 2510 Tractor—Two Selective Control Valves
BOOM CYLINDER	Single Action
BUCKET CYLINDER	Double Action
BUCKET CONTROL	Mechanical or Hydraulic
BUCKETS	6-Tine Manure or 40-Inch Materials
WEIGHT (With 6-Tine, Hydraulically Controlled Bucket)	Loader Used with John Deere 1020 Tractor - 773 Pounds Loader Used with John Deere 2020 Tractor - 802 Pounds Loader Used with John Deere 2510 Tractor - 754 Pounds
LENGTH (On 2020 Tractor with 6-Tine Hydraulic Bucket)	15 Feet 4 Inches
BREAKAWAY CAPACITY	1750 Pounds
LIFT CAPACITY	1000 Pounds
LIFT HEIGHT (To Heel of Bucket)	8 Feet 6 Inches (Minimum)
PENETRATION BELOW GROUND LEVEL	3 Inches (Minimum)
EXTRA EQUIPMENT	Blade Shoes for Blade Crane Spill Sheet Bottom and Side Sheets for 6-Tine Bucket Utility Bucket Attachment for 6-Tine Bucket Shut-Off Valve for Rockshaft Hookup (Provides for alternate use of loader or rear-mounted equipment.) Mounting Stands Bucket Level Indicator

OPERATION

PREPARING AND OPERATING THE TRACTOR

WHEEL SPACING

Front Wheels

The loader may be operated on a tractor with either a single front wheel, double front wheels, or wide front axle. The tractor must be equipped with heavy-duty front tires regardless of type of front-end equipment.

If operated on tractors with dual front wheels, set the wheels for widest wheel tread. This eliminates the accumulation of mud between the tires.

If operated on tractor with adjustable wide front axle, set the axle in the narrowest position.

Rear Wheels

Use widest rear wheel tread setting.



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

BALLAST

Front end weight should not be used.

The following chart lists combinations of rear ballast recommended to provide adequate tractor and loader stability. Because of weight transfer when the loader is mounted on the tractor, some of these ballast recommendations may exceed the maximum total ballast given in the tractor operator's manuals.

Any of the cast-iron weights recommended for your tractor may be used to arrive at the necessary ballast given in the chart. Be sure weight is distributed equally on each rear wheel.

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 OPERATION

To assure smooth operation in cold weather, raise and lower the boom several times to warm the oil in the hydraulic system. A load in the bucket will speed the warm-up operation.

ENGINE SPEED

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

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.

Before checking oil supply, operate the loader all the way up and down three or four times and return bucket to ground. Stop tractor engine and then check oil supply. If oil level is low, add oil as instructed in the tractor operator's manual.

Recommended Ballast Per Rear Wheel		
Tractor	37 Loader Only	37 Loader and 78 or 80A Blade
1020 RU	*Liquid + 4 Cast-Iron Weights	*Liquid + 2 Cast-Iron Weights
1020 HU	*Liquid + 2 Cast-Iron Weights	*Liquid Only
2020 RU	*Liquid + 2 Cast-Iron Weights	*Liquid Only
2020 HU	*Liquid Only	No Ballast Required
2510 Row-Crop	No Ballast Required	No Ballast Required Do Not Use Blade

*Tires filled to valve stem level, using a solution of 3-1/2 lbs. of calcium chloride (CaCl₂) per gallon of water. Solution is slush free at -12° F. and solid at -52° F.

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