

John Deere 37 Farm Loader



OPERATORS MANUAL

John Deere 37
Farm Loader

OMW21300 E1 English

OMW21300 E1

LITHO IN U.S.A.
ENGLISH





To the Purchaser

This new loader was carefully designed and manufactured to give years of dependable service. To keep it operating effectively, 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, or adjustments and service. Read the Table of Contents to learn where each section is located.

In addition to the equipment furnished with your loader, extra equipment is available to help you do a better job under most conditions. These are described in the extra equipment section of this manual and can be purchased from your John Deere dealer.

"Right-hand" and "left-hand" sides are determined by facing in the direction of forward travel.

Record your loader serial number in the space provided on page 40. Your dealer needs this information to give you prompt, efficient service when you order parts or attachments. If your loader requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere parts—accept no substitutes.

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

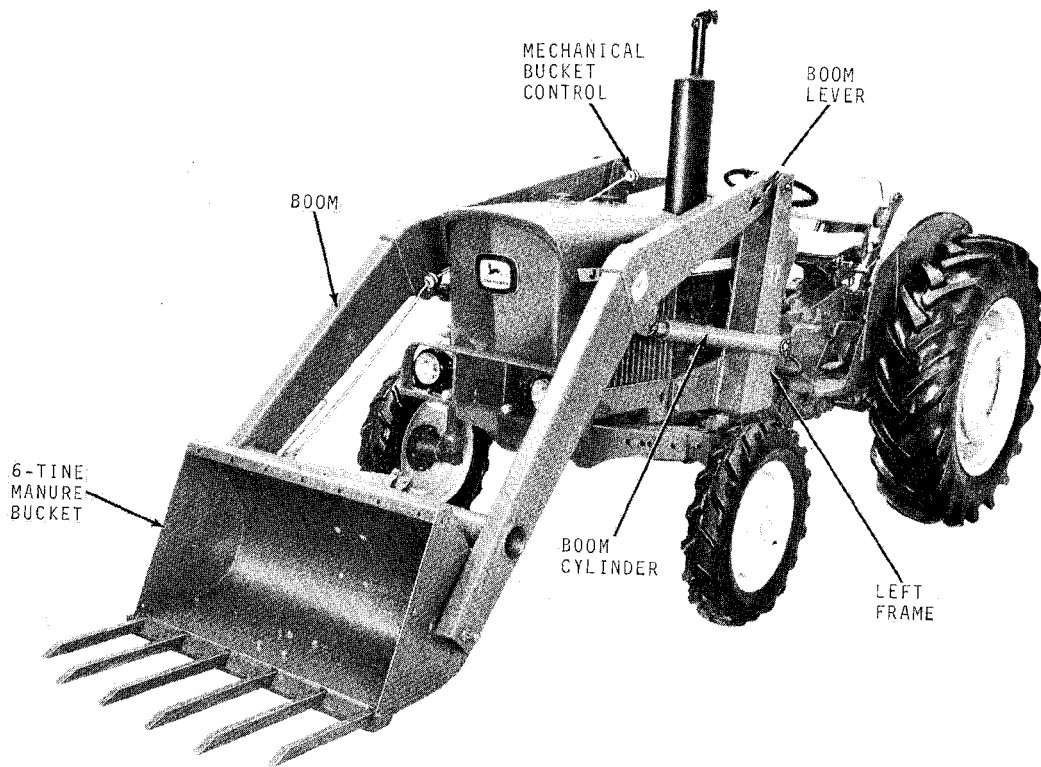
 This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.





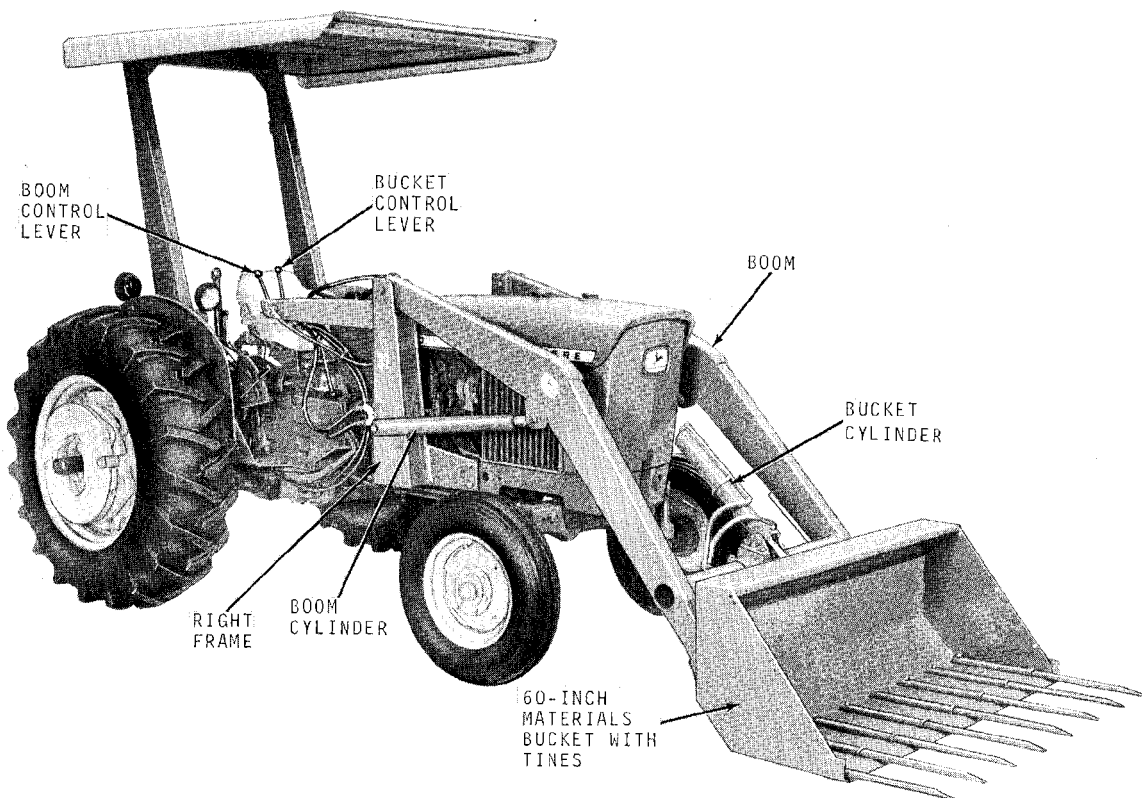
Contents

| | Page |
|---------------------------------------|-------------|
| IDENTIFICATION VIEWS | 2 |
| OPERATION | 3-11 |
| General | 3 |
| Preparing and Operating Tractor | 4-7 |
| Loader Controls | 8-9 |
| Operating Loader | 10 |
| Transporting | 10 |
| Adjustments | 11 |
| SAFETY RULES | 12 |
| EXTRA EQUIPMENT | 13-18 |
| LUBRICATION | 19 |
| TROUBLE SHOOTING | 20-21 |
| SERVICE | 22-24 |
| DETACHING | 24-25 |
| ATTACHING | 26 |
| ASSEMBLY | 27-39 |
| SPECIFICATIONS | 40 |



C 8728

John Deere 37 Loader with Mechanical Bucket



C 8727

John Deere 37 Loader with Hydraulic Bucket



Operation

GENERAL

The John Deere 37 Farm Loader has been designed for use with John Deere 820, 920, 1020, 1120, 1520, 2020, and 2120 Tractors. Hydraulic or mechanical buckets are available for these tractors.

A 40-inch manure bucket and a 60-inch materials bucket are available.

The loader is equipped with single acting boom cylinders only.

The chart below lists the tractors used with the 37 Loader and the type of hydraulic hook-up needed to operate the loader equipped with mechanical bucket or hydraulic bucket.

REQUIRED TRACTOR HYDRAULICS

| Tractors | Mechanical Bucket | Hydraulic Bucket |
|----------|--|---|
| 820 | Selective control valve. | Independent control valve with special block and tractor hydraulics. |
| 920 | Selective control valve. | Independent control valve with special block and tractor hydraulics. |
| 1020 | Selective control valve. Rockshaft valve. | Two selective control valves. Tractor selective control valve and rockshaft valve. Independent valve with tractor hydraulics. |
| 1120 | Selective control valve. | Two selective control valves. Independent valve with tractor hydraulics. |
| 1520 | Selective control valve. Rockshaft valve. | Two selective control valves. Tractor selective control valve and rockshaft valve. Independent valve with tractor hydraulics. |
| 2020 | Selective control valve. Rockshaft valve. | Two selective control valves. Tractor selective control valve and rockshaft valve. Independent valve with tractor hydraulics. |
| 2120 | Selective control valve. | Two selective control valves. Independent valve with tractor hydraulics. |

PREPARING AND OPERATING TRACTOR

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 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 tractors with adjustable wide front axle, set the axle in the narrowest position.

Front Tires

Use of 5.50 - 16 4PR tire is not recommended on the 820 and 920 Tractors. Use of 5.00 - 15 4PR, 5.50 - 16 4PR and 6.00 - 14 4PR tires is not recommended on the 1020, 1120, 1520, 2020 and 2120 Tractors.

Tire Inflation

Inflate the front tires to the pressure recommended in your tractor operator's manual for heavy front-mounted implements.

Rear Wheels

Use widest rear wheel tread setting.



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

Rear Wheel Weighting

To maintain stability and provide adequate traction, add weight to the rear wheels as shown in the ballast chart below. Cast-iron weights, water and calcium chloride solution, or a combination of the two may be used to obtain the proper ballast. See your tractor operator's manual.

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 bucket 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.

Engine Speed

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

Adjustment for Float Position

On the 1020, 1120, 1520, 2020 and 2120 tractors, the selective control valve may be adjusted for "float" or "no float" setting. See adjustment instructions on page 11.

RECOMMENDED BALLAST PER REAR WHEEL

| Tractor | 37 Loader Only | 37 Loader and 78 or 80A Blade |
|-----------------------------|--------------------------------|--------------------------------|
| 820, 920, 1020, and 1520 RU | * Liquid + 4 Cast-Iron Weights | * Liquid + 2 Cast-Iron Weights |
| 1020 HU and 1120 | * Liquid + 2 Cast-Iron Weights | * Liquid Only |
| 2020 RU | * Liquid + 2 Cast-Iron Weights | * Liquid Only |
| 2020 HU and 2120 | * Liquid Only | No Ballast Required |

* 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.

Operating Loader on Tractors with Two-Stage Clutch

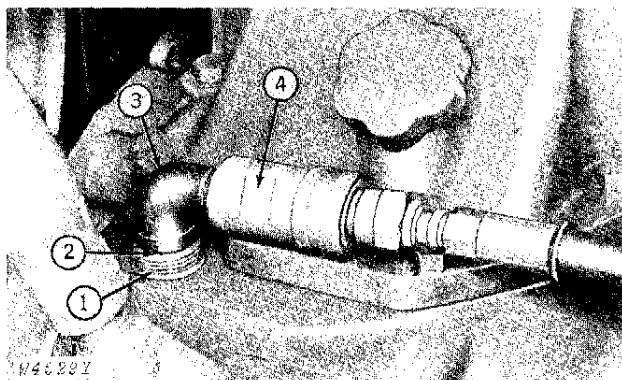
On tractors equipped with two-stage clutch, lock out the second stage of the clutch to avoid disengaging the pump. See your tractor operator's manual for instructions.

The transmission oil pump supplies oil for the main hydraulic pump. Disengaging the PTO clutch for long periods reduces supply of pressure oil for loader operation.

Installing Hydraulic Couplers for Independent Control Valve

CAUTION: 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.

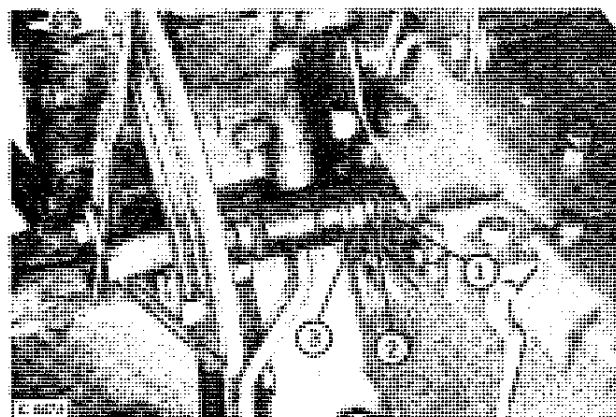
820 and 920 Tractors



Remove 1-inch square-drive plug from rockshaft housing.

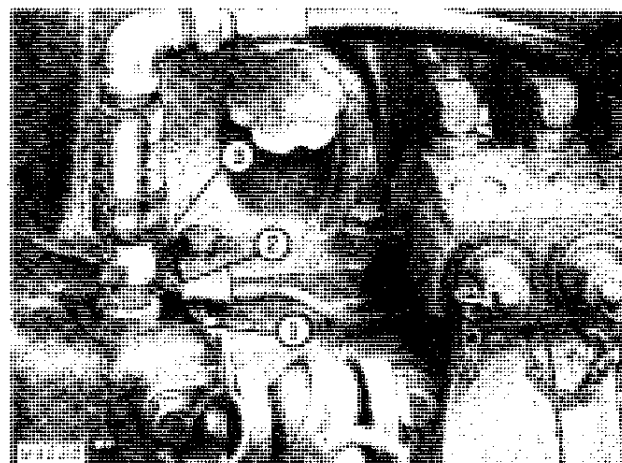
1. Install 1/2 x 1-inch face reducing bushing in rockshaft housing.
2. Install 1/2-inch pipe nipple in bushing.
3. Attach 90-degree elbow to pipe nipple.
4. Attach female end of coupler to 90-degree elbow.

1020, 1120, 1520, 2020, and 2120 Tractors with or without Selective Control Valve.



1. Remove 1-inch square-drive pipe plug from rockshaft housing and install 1/2 x 1-inch face reducing bushing.
2. Install 1/2 x 1-1/8-inch nipple in bushing.
3. Attach male end of 1/2-inch coupler to 1/2-inch nipple.

1020 and 2020 LU Tractors (Serial No. 45200-)

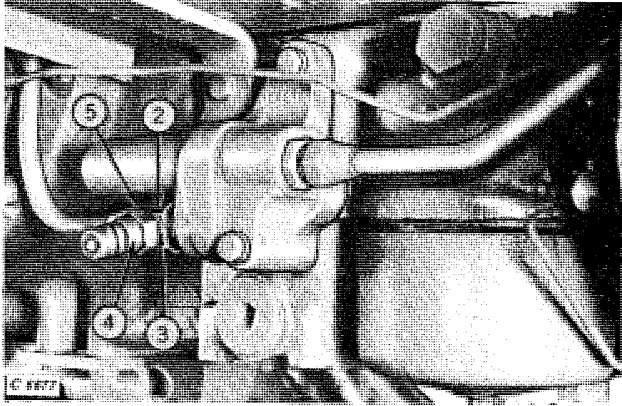


Remove 1-inch square-drive plug from rockshaft housing.

1. Install 1/2 x 1-inch face bushing in rockshaft housing.
2. Install 1/2 x 1-1/8-inch nipple in bushing.
3. Attach male end of 1/2-inch coupler to 1/2-inch nipple.

6 Operation

1020, 1120, 1520, 2020, and 2120 Tractors with Selective Control Valve (Serial No. 45200-)



1. (Not illustrated) Disconnect oil tube and remove adapter from valve.

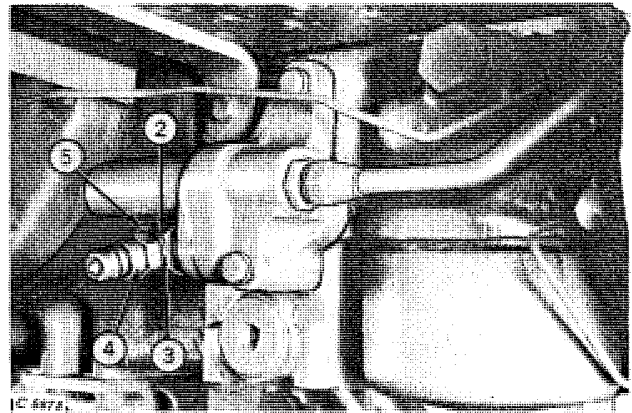
2. Install hex nut and O-ring on adapter fitting and install fitting in valve. Position fitting so port on adapter points outward. Secure fitting in valve with hex nut.

3. Install O-ring on end of adapter and install adapter in side port of fitting.

4. Attach coupler to adapter.

5. Attach oil tube to rear of fitting.

1020, 1120, 1520, 2020, and 2120 Tractors without Selective Control Valve (Serial No. 45200-)



1. (Not illustrated) Remove plug from valve.

2. Install hex nut and O-ring on adapter fitting and install fitting in valve. Position fitting so port on adapter points outward. Secure fitting in valve with hex nut.

3. Install O-ring on end of adapter and install adapter in side port of fitting.

4. Attach coupler to adapter.

5. Attach cap to rear of fitting.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com