

175 Farm Loaders



JOHN DEERE

OPERATORS MANUAL

175 Farm Loaders

OMW28507 Issue H1 English

OMW28507 Issue H1

LITHO IN U.S.A.
ENGLISH





Introduction

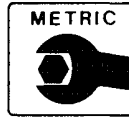


This safety alert symbol identifies important safety messages in this manual. When you see this symbol be alert to the possibility of personal injury and carefully read the message that follows.

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

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

Record your loader serial number in the space provided on page 98. Your dealer needs this information to give you prompt efficient service.



This loader is of metric design.

For your convenience, most specifications are given in metric measurement with the customary U.S. measurement following.

Some specifications cannot be converted. These appear in metric only.

Some hardware is metric. Specified metric hardware must be used for replacement.



CAUTION: Use only metric tools on metric hardware. Other tools may not fit properly. They may slip and cause injury.



JOHN DEERE 175 LOADER

TO THE DEALER

Predelivery service is the service John Deere recommends that a dealer perform on a machine before delivering it to a customer. This includes assembly, lubrication, adjustments, and tests. The service assures that the machine will be delivered in good condition to the customer and that the customer will be fully satisfied with its performance right from the start.

The John Deere Delivery Receipt, when properly filled out and signed by the dealer and customer verifies that the predelivery and delivery services were satisfactorily performed. When delivering this machine, give the customer a copy of the delivery receipt and the operator's manual. Explain their purpose.

Be certain to retain your copy of the **packing list** for shipping bundle information.

Predelivery Check List

After the loader has been completely assembled, inspect it to be sure it is in good running order before delivering it to the customer. The following check list is a reminder of points to inspect. Check off each item as it is found satisfactory or after proper adjustment is made.

- Loader has been assembled with bucket and attachments as per instructions.
- All grease fittings have been lubricated. (See lubrication section page 37.)
- All moving parts are working freely.
- Tires properly inflated. (Pages 7 and 8)
- Specified rear ballast added to tractor. (Pages 8 and 9)
- Hydraulic connections do not leak.
- Hydraulic connections are made correctly. (Page 69)
- Front wheel tread set as specified. (Page 7)

- Loader control levers operate correctly. (Pages 13 to 16)
- Loader mounting frame to tractor hardware is properly torqued. (Page 43)
- Tractor hydraulic oil is full. (Page 38)

Delivery Check List

At time loader is delivered, the following check list is a reminder of very important information which should be conveyed directly to the customer. Check off each item as it is fully explained to the customer.

- Advise customer that the life expectancy of this, like any other machine, is dependent on regular lubrication as described in the operator's manual.
- Advise customer of the safety precautions that must be exercised while using this loader.
- Give the operator's manual to the customer and explain all operating adjustments and lubrication fully.
- Explain the operation of the loader control levers.
- To the best of my knowledge this machine has been delivered ready for field use and customer has been fully informed as to proper care and operation.

(Date Delivered)

(Signature of Delivery Person)

OWNER REGISTER

Name _____

Address _____

City _____ State _____ Zip _____

Serial No. _____

Date Sold _____

- Explain that when the loader-tractor are transported on a road or highway at night or during the day, accessory lights and devices should be used for adequate warning to operator's of other vehicles. In this regard, tell customers to check local governmental regulations.
- Advise the customer of optional attachments that are available for special material handling conditions.

(Signature)

AFTER-SALE CHECK LIST

It is suggested that the following items be checked sometime during the first six months operation of the loader.

- Check the entire loader for loose or missing hardware.
- Check for broken or damaged parts. Make necessary repairs.
- Check hydraulic lines and connections for leaks. Make necessary repairs.
- Retorque the hardware attaching the loader mounting frame to the tractor. (Page 43)
- If possible, run the loader to see if it is functioning properly.
- Review the entire operator's manual with the customer and stress the importance of proper and regular lubrication and safety precautions.

(Date Checked)

(Signature)



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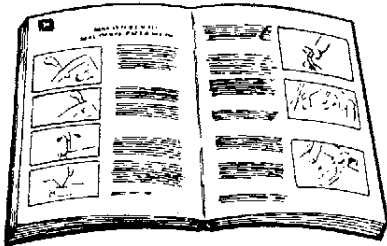
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Safety

Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

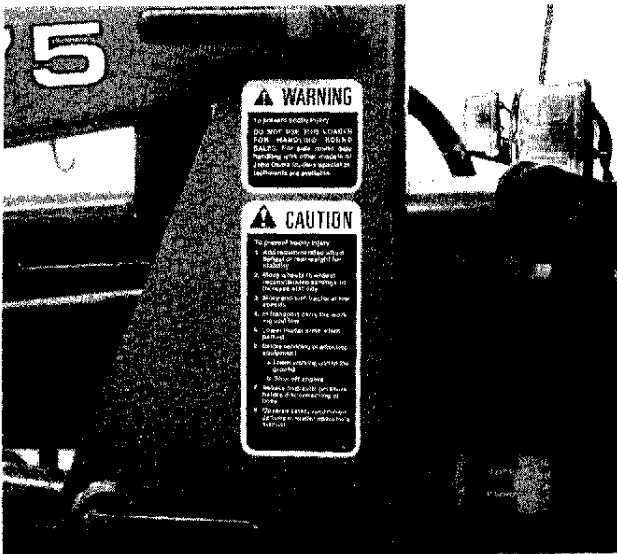
BEFORE OPERATING



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W7596

Read this manual carefully, regardless of your previous experience. It will save you time and labor.



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Read all decals on the loader and in this manual.

Become familiar with all controls.

Check hardware.

Remove foreign objects from loader.

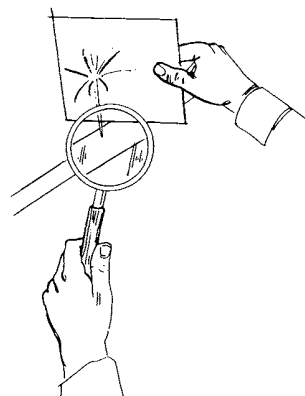
Be sure no one is near loader.

Be sure all tractor PTO shields are installed.

Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that lines, pipes and hoses are not damaged. Oil escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands to search for suspected leaks.

If injured by escaping oil, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

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H35336

Check condition of hydraulic hoses and connections.

OPERATING

Do not use loader to handle round bales. Improper use of loader can cause serious injury or death.

Be sure to follow all the safety precautions outlined in your tractor operators manual.

Use the recommended rear wheel ballast.

Keep PTO clutch lever disengaged.

Be sure no one is near tractor and loader.

Do not allow riders on loader or attachments.

Operate loader from operator's seat only.

Carry load low at all times.

Turn tractor at slow speeds.

Reduce tractor ground speed when traveling over rough terrain.

Avoid traveling over loose fill, rocks and holes, they can be dangerous for loader operation or movement.

Do not overload loader.

Avoid working on inclines.

Drive slowly through gates and doors.

Avoid handling loose or shiftable loads.

Never use loader as a battering ram.

Remain at controls until operating cycle is complete.

Lower bucket or attachment to ground when loader is unattended.

Allow for the loader length when making turns.

Stop the loader gradually when lowering or lifting.

Continued on next page

Never stand under a raised loader bucket or attachment.

Beware of low wires when bucket is raised.

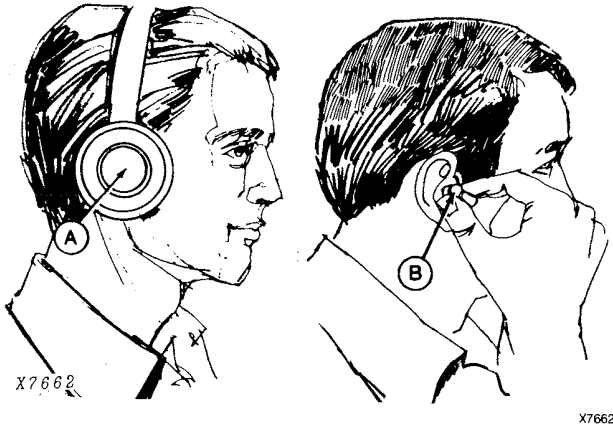
Use widest recommended wheel settings to improve loader/tractor stability.

Be certain anyone operating the loader is aware of safe operating practices and potential hazards.

Protect Against Noise

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs (A) or earplugs (B) to protect against objectionable or uncomfortable loud noises.



A—Earmuffs
B—Earplugs

SERVICE AND STORAGE

Be sure to park the loader on a hard, level surface.

Park loader with materials bucket or manure fork only.

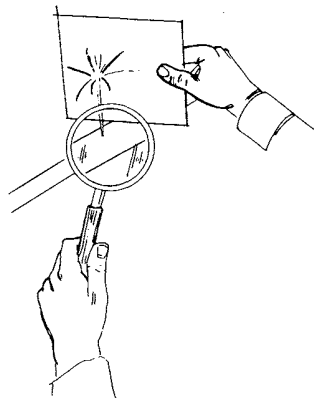
Lower bucket or attachment to ground, shut off tractor engine and relieve pressure in hydraulic system before adjusting, lubricating, or servicing loader.

Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure all connections are tight and that lines, pipes and hoses are not damaged. Oil escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than your hands, to search for suspected leaks.

If injured by escaping oil, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

Check hoses, fasteners and other parts for damage. Make necessary repairs.

If ROLL-GARD protective equipment is loosened or removed for any reason, make certain parts are reinstalled properly and that hardware is tightened to torque specified. Refer to your tractor operator's manual.



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TRANSPORTING

Reduce tractor ground speed when transporting.

Transport with materials bucket or attachment empty.

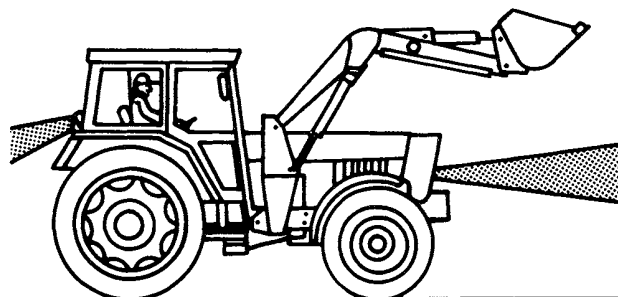
Raise loader to a height of between 2.5 m (98.4-in.) and 3.2 m (124.8-in.).

Be sure to lock the loader control lever in the neutral position. This will prevent accidental lowering of the loader. Refer to pages 31 and 32 for complete instructions.

Take extra care when traveling over rough terrain or on a slope.

When driving the tractor-loader on a road or highway at night or during the day, use accessory lights and devices for adequate warning to operators of other vehicles. In this regard, check local government regulations. Various safety lights and devices are available from your John Deere dealer.

Avoid overhead wires or obstacles when loader is raised.



WB588



Preparing The Tractor

TRACTOR SIZE

The John Deere 175 Farm Loader has been designed for use with 830, 840, 930, 940, 1020, 1030, 1040, 1120, 1130, 1140, 1630, 1640, 2020, 2030, 2040, 2120, 2130 and 2140 John Deere Tractors, including HFWD and MFWD.

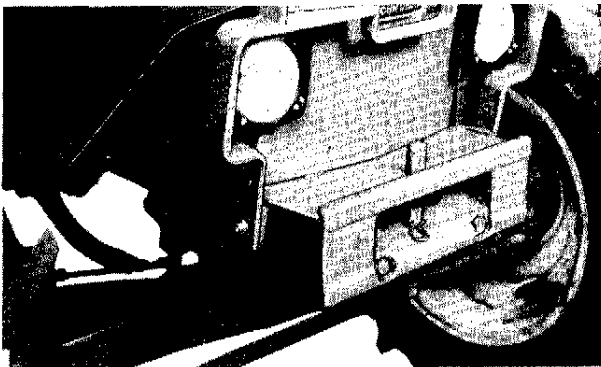
⚠ CAUTION: A roll-over protective structure is recommended for a tractor equipped with a loader.

FRONT BALLAST

IMPORTANT: Remove all weights from the front of the tractor when the tractor is equipped with a loader.

The front weight bracket can remain on the tractor.

NOTE: Refer to your tractor operator's manual for complete instructions when adding front weights. If weight bracket is used with a hood guard, when loader is removed, subtract two weights from amount indicated in tractor operator's manual.



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FRONT TIRES

⚠ CAUTION: Never operate the tractor with a loose rim, wheel or axle.

Tractors with 2-Wheel Drive

The tractor should be equipped with 7.50 x 16 6 PR front tires or tires with equal to or greater tire ply rating.

Inflate tractor front tires 27.6 kPa (0.3 bar) (4 psi) above inflation pressure recommended for heavy front-mounted equipment as shown in tractor operator's manual.

Tractors with HFWD or MFWD

The 9.5 x 24 8 PR, 11.2 x 24 8 PR and 11.2 x 28 8 PR front tires are approved for use with 175 Loader.

Inflate tractor front tires 27.6 kPa (0.3 bar) (4 psi) above inflation pressure recommended for heavy front-mounted equipment as shown in tractor operator's manual.

FRONT TREAD

The 175 Loader is approved for tractors with swept-back axle, heavy-duty straight axle or regular straight axle.

Set front tread as specified below.

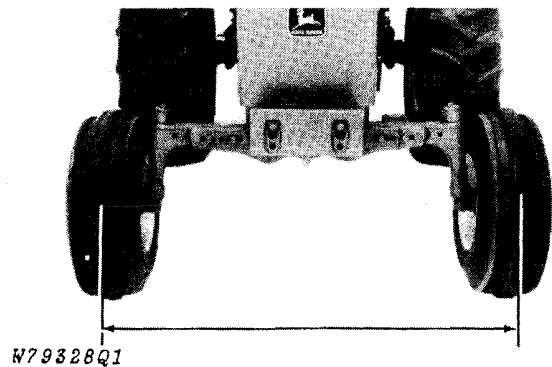
Refer to tractor operator's manual for instructions.

Tractors with 2-Wheel Drive

Set tread to a minimum of 1600 mm (63 in.) or greater.

Tractors with HFWD or MFWD

Set tread to a minimum of 1600 mm (63 in.) or greater.

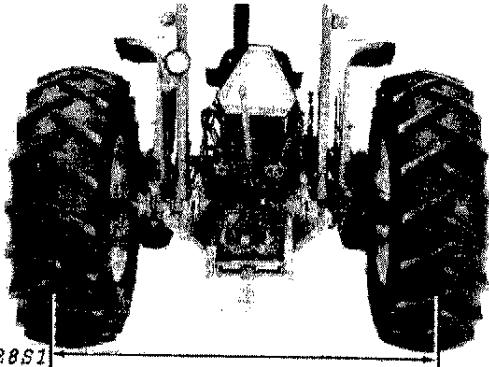


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REAR TIRES

Inflate tires as specified in tractor operator's manual.

REAR TREAD



Use maximum rear tread to increase tractor stability. Refer to tractor operator's manual for instructions.

⚠ CAUTION: If rear tread is limited, reduce tractor transport speed and avoid holes and inclines.

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REAR BALLAST

⚠ CAUTION: To prevent tractor damage and maintain loader-tractor stability, add rear ballast as outlined.

⚠ CAUTION: A roll-over protective structure is recommended for a tractor equipped with a loader.

Minimum Rear Ballast Recommended

Rear ballast must be added to the tractor rear wheels.

NOTE: The amount of ballast recommended is intended to help maintain stability and provide adequate traction during normal loader operation with materials-handling and manure buckets. Additional ballast up to maximum tire carrying capacity should be added, if necessary, when operating tractor and loader on uneven terrain, or to improve traction.

Adding Ballast to Tractor Rear Wheels

Refer to your tractor operator's manual for instructions to add ballast to the tractor rear wheels.

MINIMUM RECOMMENDED REAR BALLAST

Tractor	Front Axle	Rear Wheel	Added Weight Per Rear Wheel kg (lbs.)
1020	Sweptback	Steel	490 (1080)
		Regular Cast	440 (970)
		Heavy Cast	290 (639)
830, 840, 930, 1030, 1040 1140 Narrow and 2020	Sweptback	Steel	360 (794)
	Straight	Regular Cast	310 (684)
1020			Heavy Cast
940, 1030, 1040, 1120, 1130, 1140, 1630 and 2020	Straight	Steel	200 (441)
		Regular Cast	150 (331)
		Heavy Cast	0 (0)
1640, 2030, 2040, 2120, 2130 and 2140	Straight	Steel	50 (110)
		Regular Cast	0 (0)
		Heavy Cast	0 (0)

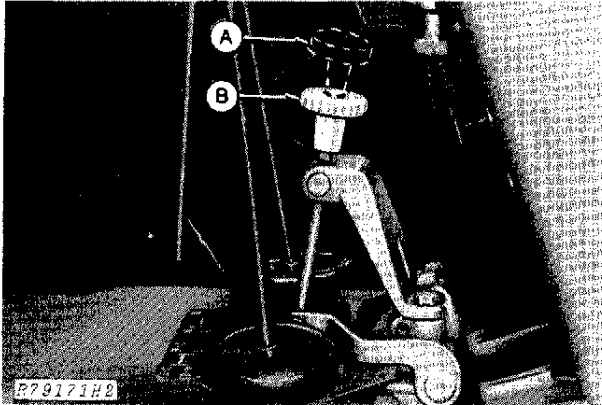
NOTE: Rear ballast in chart is based on rear tread of 1600 mm (63-in.)

NOTE: On 1140 Narrow the ballast is based on rear tread of 111 mm (43.7-in.)

MAIN CLUTCH

Tractors With Independent PTO Lever

No adjustment required.



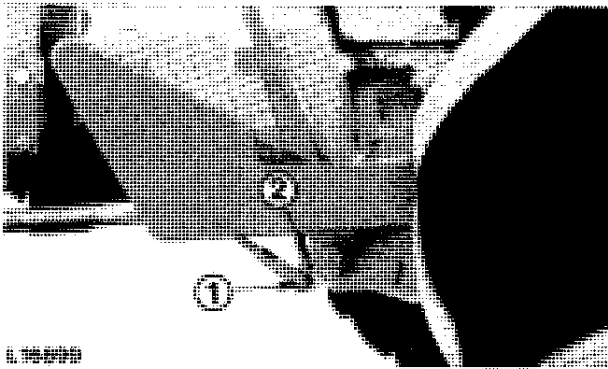
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A—Engage PTO
B—Disengage PTO

Tractors Without Independent PTO Lever

The tractor is equipped with a dual-stage clutch. Disengaging the PTO clutch also disengages the transmission oil pump which supplies the main hydraulic pump. The PTO clutch must be locked-out to prevent oil starvation during simultaneous clutch disengagement and loader operation.

1. Remove clutch rod from lower hole in pedal.
2. Attach clutch rod to upper hole.
3. Refer to your tractor operator's manual for complete instructions.



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