

145 FARM LOADER

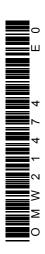


OPERATORS MANUAL 145 FARM LOADER

OMW21474 E0 English

JOHN DEERE WELLAND WORKS OMW21474 E0

> LITHO IN THE U.S.A. ENGLISH





Introduction



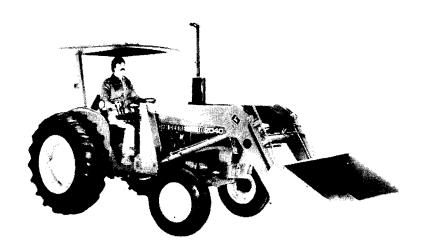
This safety alert symbol identifies important safety messages in this manual. When you see this symbol be alert to the possibility of personal injury and carefully read the message that follows.

"Right" and "left-hand" sides are determined by facing the direction of 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 72. Your dealer needs this information to give you prompt, efficient service.

This operator's manual contains SI metric equivalents which follow immediately after the U.S. customary units of measure.





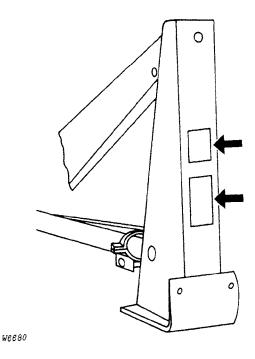
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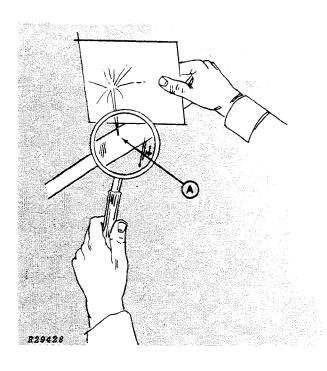


Safety

BEFORE OPERATING



Read this manual and all decals on the machine.



Escaping fluid 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. Fluid 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 fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

A-Pin Hole Leak

Become familiar with all controls.

Check hardware condition.

Check condition of hydraulic hoses and connections.

Remove foreign objects from loader.

Be sure no one is near loader.

Be sure all tractor PTO shields are installed.

OPERATING

Do not use the 145 Loader to handle round bales.

Do not use Grapple Fork or Round Bale Clamp with the 145 Loader.

Improper use of loader can cause serious injury or death.

A roll-over protective structure is recommended for tractors equipped with a loader.

Under most operating conditions:

Use a seat-belt on a tractor with a roll-over protective structure.

Do not use a seat belt on a tractor without a roll-over protective structure.

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 tractor or loader.

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.

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.

Never stand under a raised loader bucket or attachment.

Beware of low wires when operating loader.

PROTECT AGAINST NOISE

OPERATING—Continued



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

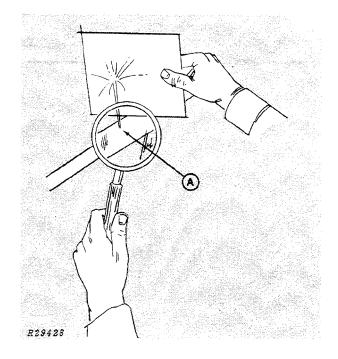
SERVICE AND STORAGE

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

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

Escaping fluid 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. Fluid 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.

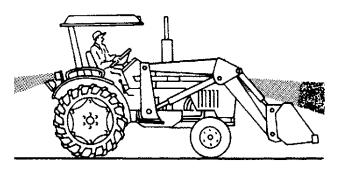
If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.



A-Pin Hole Leak

If ROLL-GARD® protective equipment is loosened or removed for any reason, make certain all parts are reinstalled correctly. See your tractor operator's manual.

TRANSPORTING



W7602

Reduce tractor ground speed when transporting a load.

Carry load as low as possible and maintain adequate visibility and ground clearance at all times.

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.



Preparing The Tractor

TRACTOR SIZE

The John Deere 145 Farm Loader has been designed for use with John Deere 820, 830, 920, 1020, 1030, 1040, 1120, 1140, 1520, 1530, 1630, 1640, 1830, 1840, 2020, 2030, 2040, 2120, 2130, 2130 HFWD, 2140, 2240, 2440, 2630 and 2640 Tractors.

IMPORTANT: The 145 Farm Loader is not approved for tractors equipped with mechanical front wheel drive.

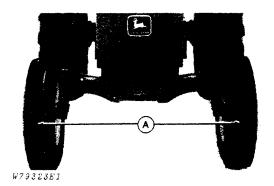
Tractor must be equipped with side frames.

FRONT TREAD



CAUTION: Do not use loader on tractors with Roll-O-Matic front end, double front wheel or single front wheel.

IMPORTANT: The front axle must be set at the 65 inch (165 cm) minimum tread setting so the loader does not interfere with the tractor front tires.



A-Tread Width

The 145 Loader is approved for tractors with swept-back axle, heavy-duty straight axle or regular straight axle.

FRONT TIRES

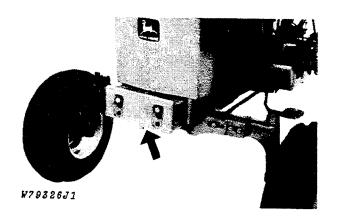


CAUTION: Never operate the tractor with a loose rim, wheel or axle.

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

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

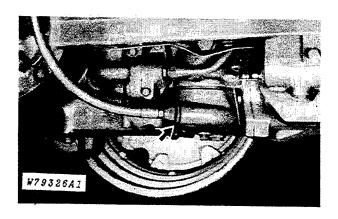
FRONT BALLAST



IMPORTANT: QUIK-TATCH™ weights must be removed from the front of the tractor when tractor is equipped with loader.

The QUIK-TATCH weight support may be left on the tractor.

HYDRAULICS



Independent Control Valve

Tractor remote cylinder controls are not required.

The tractor must be equipped with a ported cover on the transmission filter. If required, order an AT30197 Ported Filter Cover from your John Deere dealer.

IMPORTANT: A steel-encased filter element must be used with the AT30197 Ported Filter Cover.

Remote Cylinder Control Valves

A remote cylinder control valve oil return kit which returns oil to the oil filter cover is available for more efficient use of tractor hydraulics. Order AR71945 Remote Cylinder Control Valve Oil Return Kit and AT30197 Ported Filter Cover for transmission filter from your John Deere dealer.

IMPORTANT: A steel-encased filter element must be used with the AT30197 Ported Filter Cover.

Thank you very much for your reading. Please click here and go back to the website. Then, you can download the complete manual instantly. No waiting.