

1600 SERIES ROD WEEDER ATTACHMENT



OPERATORS MANUAL 1600 SERIES ROD WEEDER ATTACHMENT

OMN159381 L9 English

**DES MOINES WORKS
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LITHO IN THE U.S.A.
ENGLISH



INTRODUCTION

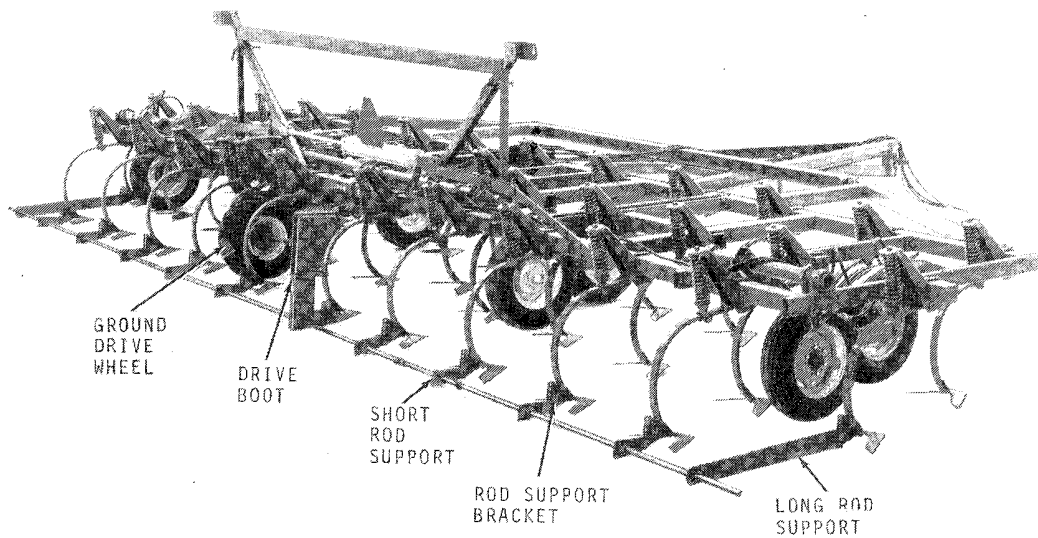


This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

This manual contains SI Metric equivalents which follow immediately after the U.S. customary units of measure.

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

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



N26590

1600 Series Rod Weeder Attachment on 33-Foot (10.1 m) Chisel Plow

1600 SERIES ROD WEEDER ATTACHMENT

PREDELIVERY CHECK LIST

After the rod weeder has been completely assembled, inspect to be sure it is in good running order before delivering 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.

- ☐ All grease fittings have been lubricated, page 9.
- ☐ Tires are properly inflated, page 10.
- ☐ Make sure all the customer-ordered attachments have been installed.
- ☐ Any parts scratched in shipment have been touched up with paint.
- ☐ This rod weeder has been thoroughly checked and to the best of my knowledge, is ready for delivery to the customer.

Signature

Date

DELIVERY CHECK LIST

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

- ☐ Advise the customer the importance of using the proper tools.
- ☐ Explain to the customer that the life expectancy of this or any other machine depends on regular lubrication as directed in the operator's manual.
- ☐ Give the operator's manual to the customer and explain all operating adjustments.
- ☐ Advise the customer of all the safety precautions that must be exercised while using this rod weeder.
- ☐ When the rod weeder is 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 customer to check local governmental regulations.

- ☐ To the best of my knowledge, this machine has been delivered ready for field use and the customer has been fully informed as to proper care and operation.

Signature

Date

OWNER REGISTER

Name _____

Post Office _____

County _____ State _____

Size _____

Date Sold _____

AFTER-SALE CHECK LIST

The following is a suggested list of items to be checked at a dealer-customer mutually agreeable time during the first operation season.

- ☐ Check with the customer as to the performance of the rod weeder. Make certain the proper operating adjustments are understood.
- ☐ If possible, operate the rod weeder to see that it is functioning properly.
- ☐ Ask the customer if the recommended periodic lubrication has been performed.
- ☐ Go over entire rod weeder for loose or missing bolts.
- ☐ Check for broken or damaged parts.
- ☐ Ask the customer to ascertain if the recommended periodic lubrication has been performed.
- ☐ Review the operator's manual with the customer and stress the importance of proper lubrication and safety precautions.



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Safety

Operate Safely

DO NOT operate rod weeder without reading this operator's manual.

DO NOT allow anyone to ride on the chisel plow or rod weeder when it is in motion. Observe operation only from the tractor platform.

Always shut off tractor engine and shift to "Park" when leaving tractor. Remove key when leaving tractor unattended.

Have the chisel plow/rod weeder combination stationary and on level ground when raising or lowering outriggers.

DO NOT raise or lower the outriggers when moving.

DO NOT operate close to a ditch or creek.

Slow down when turning.

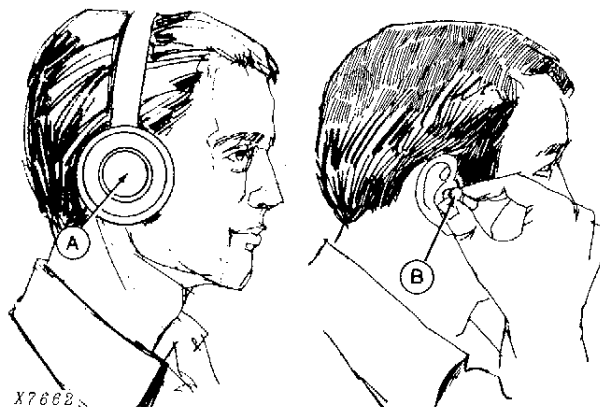
Drive slowly over rough ground.

Apply both tractor brakes evenly when making emergency stops. Plan ahead.

Wear relatively tight and belted clothing to prevent being caught on some part of the machine.

If your tractor is equipped with ROLL-GARD® Safety Canopy and seat belt, be sure to keep your seat belt fastened.

Protect Against Noise



A - Earmuffs
B - Earplugs

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.

Avoid Fires

DO NOT refuel with the tractor engine running.

DO NOT smoke or use a lantern when refueling.

Transport Safely

Always install lockup pins on vertical fold out-rigger lift model chisel plows.

Always move chisel plow depth control cylinder stop forward to lock the cylinder.

DO NOT fail to latch the tractor brakes together.

Shift the tractor into a lower gear when transporting down steep slopes or hills.

Keep the SMV emblem and reflectors clean and visible from the rear.

Stop slowly.

When transporting the chisel plow and rod weeder 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 governmental regulations. Various safety lights and devices are available from your John Deere dealer.

Beware of overhead wires and KNOW the transport height and width of your chisel plow and rod weeder.

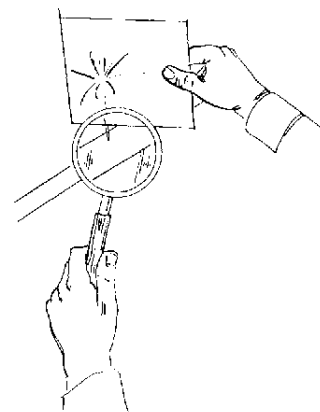
Practice Safe Maintenance

DO NOT lubricate, adjust, or clean the chisel plow or rod weeder while it is in motion.

Always use a safety support when working on, under, or around the chisel plow and rod weeder.

Shut off engine and remove key when working on chisel plow and rod weeder.

When mounting a tire on a wheel or rim, failure to follow proper procedure can produce an explosion which can result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your John Deere dealer or a qualified tire repair service.



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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 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.



Operation

GENERAL

The 1600 Series Rod Weeder Attachment is designed as an attachment to most John Deere Drawn Chisel Plows. The one exception is the 1610 27-foot (8.23 m) horizontal fold model. The rod weeder is mounted directly to the chisel plow frame and plow standards. It is not self-supporting and cannot be operated as an independent unit.

The weeder is powered by a ground-driven wheel. The wheel is connected to a drive boot by

a telescoping shaft and universal joints. A chain drive turns the weeding rod. A second ground wheel and drive are required on chisel plows 35 feet (10.67 m) wide or wider.

Rod weeders designed for mounting to folding chisel plows are segmented and equipped with couplers at the fold joints. The couplers must be released before the outboard chisel plow frames can be raised to the transport position.

PREPARING THE TRACTOR

Other than that required to prepare the tractor for use with the chisel plow, no special preparation is required to ready the tractor for use when the rod weeder is attached to the chisel plow.

For instructions on preparing the tractor for use with the chisel plow, see the Operator's Manuals for the tractor and chisel plow.

PREPARING THE CHISEL PLOW

No special preparation of the chisel plow is required.

For best results, the chisel plow frame, standards, depth control system and, if used, hydraulic outrigger lifts, should be checked before the rod weeder attachment is installed. The equip-

ment should be in good working order with all bolts, nuts, rivets, pins and other connections in place and secure.

For instruction in preparing the chisel plow for field use, see the Operator's Manual for the chisel plow.

MOUNTING THE ROD WEEDER

For instructions in mounting the rod weeder, see the ASSEMBLY instructions beginning on page 11 of this manual.

When viewed from the right-hand side of the machine, the rod of a properly installed rod weeder

will rotate in a counterclockwise direction during operation. The drive wheel should rotate without drag, the chains and drive sprockets should move without binding or slippage and the rods should turn easily.

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