

1610 Series Drawn Chisel Plow



OPERATORS MANUAL

1610 Series
Drawn Chisel Plow

OMN159588 J2 English

John Deere Des Moines Works
OMN159588 J2

LITHO IN U.S.A.
ENGLISH





INTRODUCTION



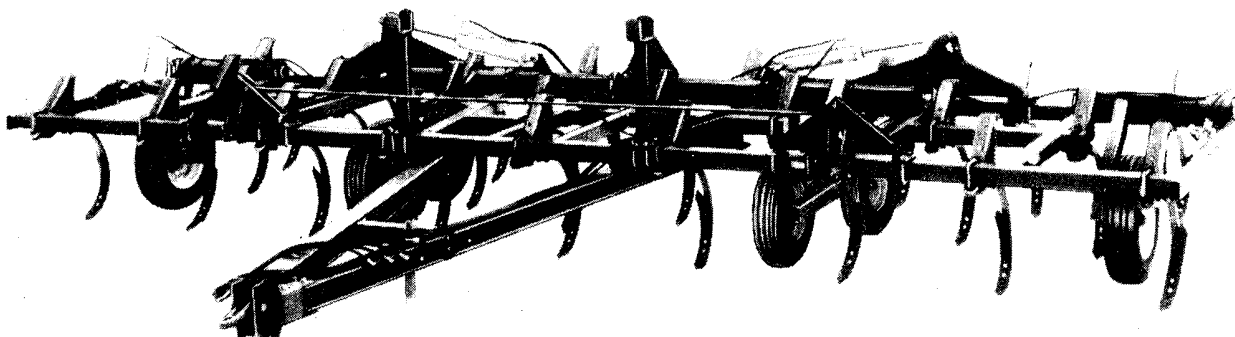
This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of bodily injury and carefully read the message that follows.

This publication contains both the U.S. customary units of measurement and the SI Metric equivalents.

"Right-hand" and "left-hand" sides are determined by facing in the direction the chisel plow will travel when in use.

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

Record your model and serial number on page 83.



1610 Flexible Horizontal-Fold 25 Ft. (7.6 mm) Chisel Plow

N78059H4

1610 SERIES DRAWN CHISEL PLOW

PREDELIVERY CHECK LIST

After the chisel plow 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.

- ☐ SMV emblem and reflectors installed.
- ☐ All grease fittings have been lubricated, pages 20-21.
- ☐ Tighten wheel bolts to proper torque and inflate tires.
- ☐ Make sure the number of standards equals the total footage of the model.
- ☐ Make sure all the customer-ordered attachments have been installed.
- ☐ Any parts scratched in shipment have been touched up with paint.
- ☐ This chisel plow 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 chisel plow 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 chisel plow.

- ☐ When the chisel plow is transported on a road or highway at night or during the day, accessory lights and devices should be used for adequate warning to operators 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 and Serial Number _____

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 chisel plow. Make certain the proper operating adjustments are understood.
- ☐ If possible, operate the chisel plow to see that it is functioning properly.
- ☐ Acquaint the customer with any special attachment which will help do a better job.
- ☐ Go over entire chisel plow for loose or missing bolts.
- ☐ Check for broken or damaged parts.
- ☐ Check with 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 chisel plow without reading this operator's manual.

DO NOT allow anyone to ride on the chisel plow 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 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.

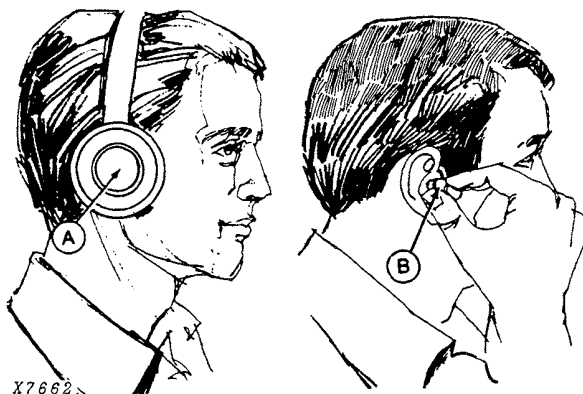
Slow down when turning.

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

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

Avoid Fires

DO NOT refuel with the tractor engine running.

DO NOT smoke or use a lantern when refueling.

Transport Safely

When transporting the chisel plow 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.

Always install lockup pins on vertical fold outrigger lift models.

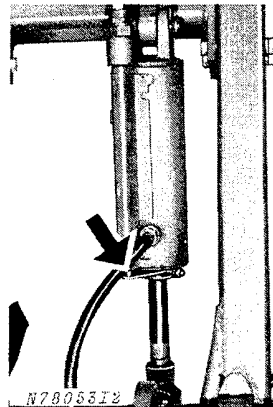
Always move depth control cylinder stop forward to lock the cylinder or install lockup pin on rigid models.

DO NOT fail to latch the tractor brakes together.

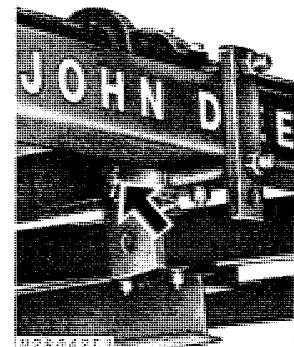
Shift the tractor into a lower gear when transporting down steep slopes or hills.

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

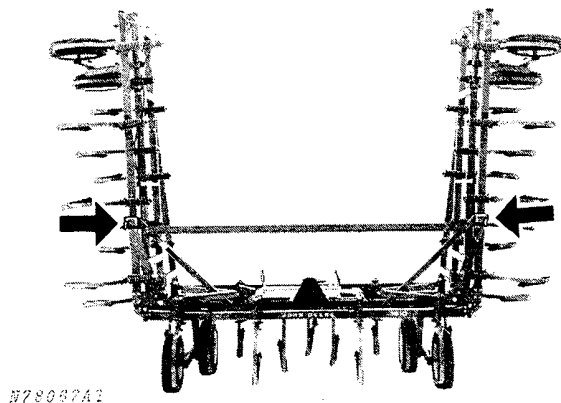
Stop slowly.



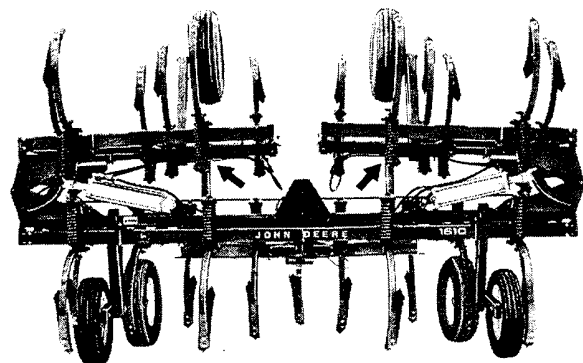
Depth Stop



11, 13, 15, 17 Ft.
(3.4, 3.9, 4.6 and 5.2 m)

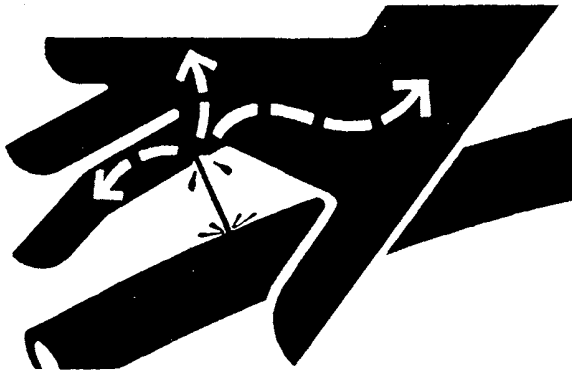


Vertical Fold



Horizontal Fold

4 Safety

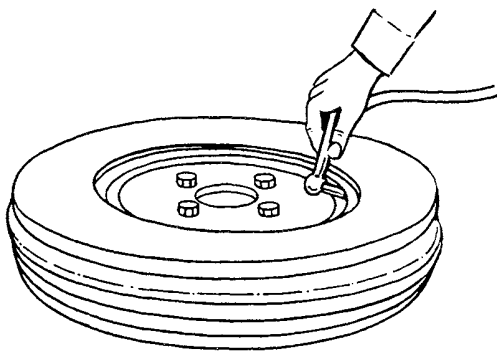


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Avoid High-Pressure Fluids

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard or paper to search for leaks. Do not use your hand.

If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type injury or gangrene may result.



RW362

Mounting Tires

Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may 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.

When seating tire beads on rims, never exceed 35 psi (241 kPa) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended pressure is reached, deflate, reposition tire, relubricate bead, and reinflate.

Detailed agricultural tire mounting instructions, including necessary safety precautions, are contained in John Deere Fundamentals of Service (FOS) Manual 55, Tires and Tracks, available through your John Deere dealer. Such information is also available from the Rubber Manufacturers Association and from tire manufacturers.

Practice Safe Maintenance

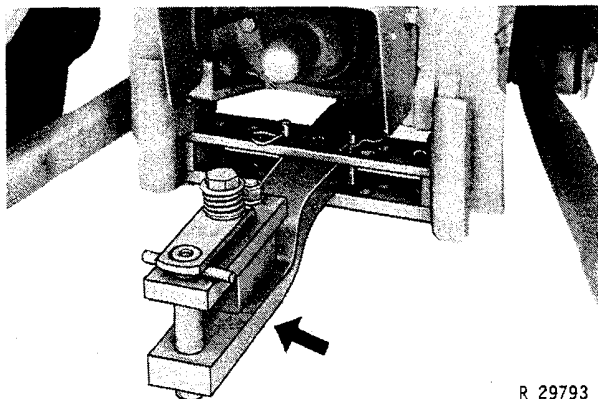
DO NOT lubricate, adjust, or clean the chisel plow while it is in motion.

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

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



Preparing the Tractor



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R29793

IMPORTANT: Your chisel plow is equipped with International Standard Organization (ISO) hose couplers. If your tractor is not compatible, see your John Deere dealer for adapter kit.

NOTE: Refer to your tractor operator's manual for recommended adjustments on tire inflation, use of hydraulic system, PTO and other information on tractor with implement usage.

1. Pin drawbar in fixed, centered low position (bold arrow).

CAUTION: Make sure PTO guard and master shield are both installed on tractor.

2. Check tire pressure; install ballast if required. See your tractor operator's manual.
3. Check tractor hydraulic oil reservoir and add oil if needed.

NOTE: Tractor hydraulic oil flow must be at least 12 gpm (45 Lpm) for proper operation of the chisel plow.

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