

1650 Series Drawn Chisel Plow

**John Deere Des Moines Works
OMN200328 Issue K2
(This manual replaces OMN200328 L1)**

LITHO IN U.S.A.
ENGLISH

Introduction

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage.

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are U.S. customary units and their metric equivalents.

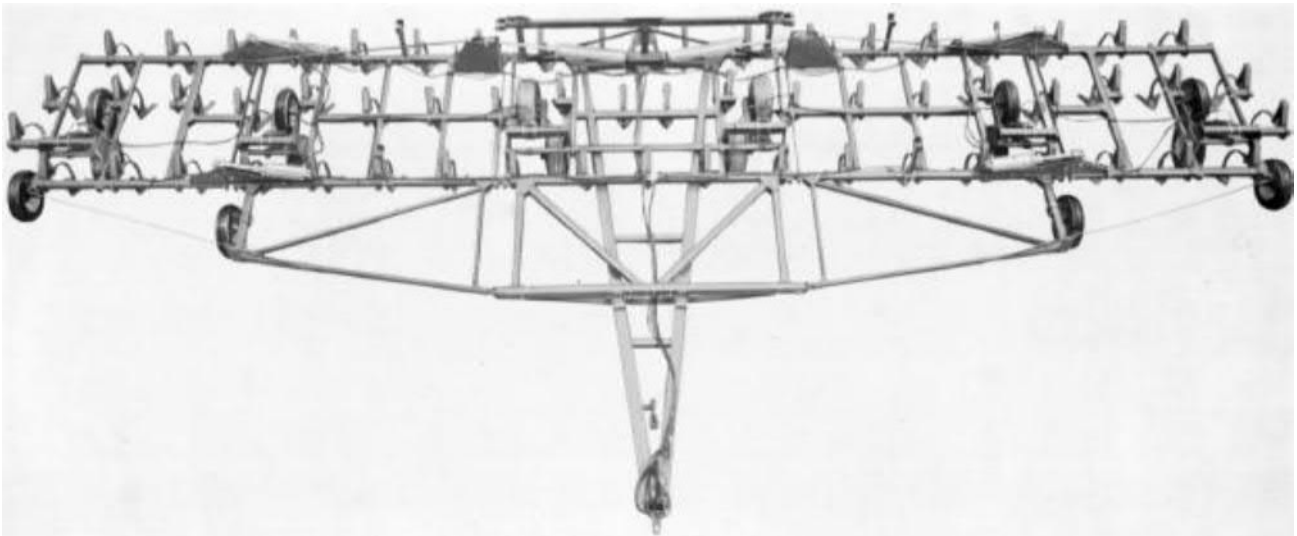
RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction the implement will travel when going forward.

WRITE PRODUCT IDENTIFICATION NUMBERS in the Specifications section. Accurately record all the numbers to help in tracing the machine should it be stolen. Your dealer also needs these numbers when you order parts. If this manual is kept on the machine, also file the identification numbers in a secure place off the machine.

WARRANTY is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

THE TIRE MANUFACTURER'S warranty supplied with your machine may not apply outside the U.S.



N78142C1 -JUN-03NOV88

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All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

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Safety

RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



DX,ALERT -19-04JUN90

T81389 -UN-07DEC68

UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



DX,SIGNAL -19-09JAN92

TS187 -19-30SEP88

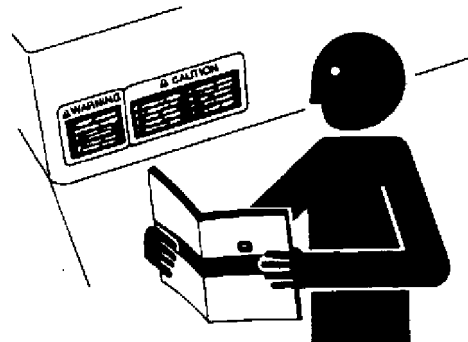
FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.



DX,READ -19-04JUN90

TS201 -UN-23AUG88



OPERATE CHISEL PLOW SAFELY

Clear area around machine before raising or lowering machine or wings.

Stop tractor on level ground when raising or lowering wings.

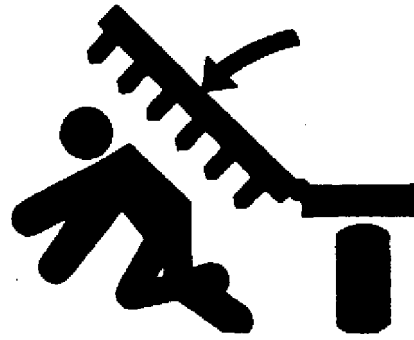
Operate the chisel plow from the tractor seat only.

Do not operate with wings raised.

Do not operate close to a ditch or creek.

Slow down when turning or traveling over rough ground.

Shut off tractor and shift to "Park" or set brakes when leaving tractor. Remove key when leaving tractor unattended.



N03,610C,D -19-06JUL88

N39547 -UN-06OCT88

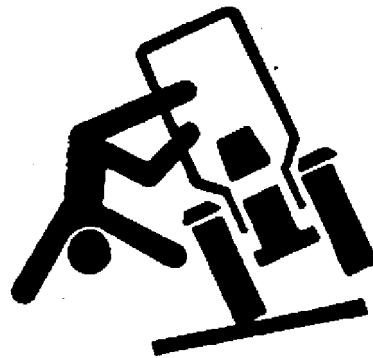
AVOID TIP-OVERS

Use a seat belt under almost all operating conditions.

Avoid holes, ditches, and obstructions which may cause the machine to tip, especially on hillsides.

Never drive near the edge of a gully or steep embankment — it might cave in.

Slow down for hillsides, rough ground, and sharp turns.



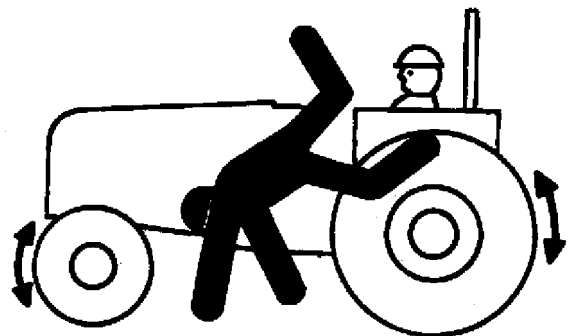
N01,9930,CF -19-17NOV87

N39084 -UN-30MAR89

KEEP RIDERS OFF MACHINE

Only allow the operator on the machine. Keep riders off.

Riders on machine are subject to injury such as being struck by foreign objects and being thrown off of the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.



DX,RIDER -19-04JUN90

T5290 -UN-23AUG88

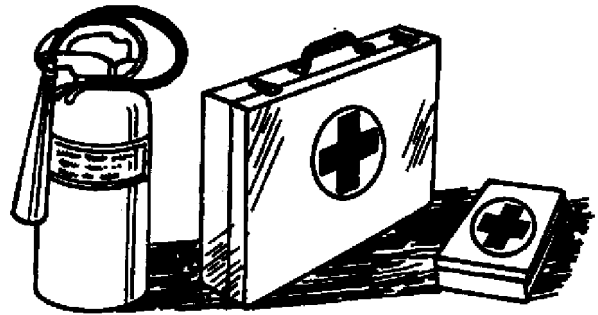


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



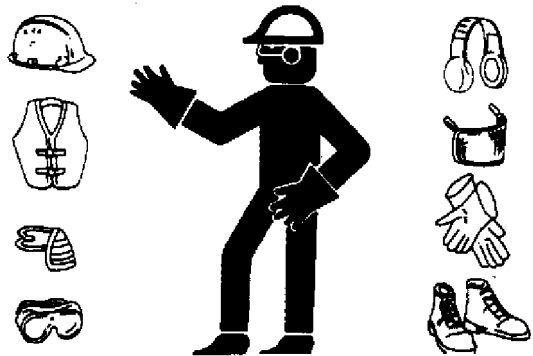
DX,FIRE2 -19-04JUN90

TS291
-UN-23AUG88

WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.



DX,WEAR2 -19-10SEP90

TS206
-UN-23AUG88

PROTECT AGAINST NOISE

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

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



DX,NOISE -19-04JUN90

TS207
-UN-23AUG88

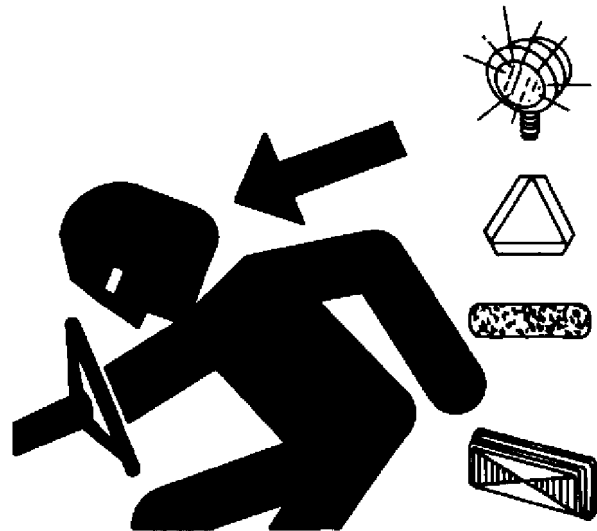


USE SAFETY LIGHTS AND DEVICES

Slow moving tractors, self-propelled equipment and towed implements or attachments can create a hazard when driven on public roads. They are difficult to see, especially at night. Avoid personal injury or death resulting from collision with a vehicle.

Flashing warning lights and turn signals are recommended whenever driving on public roads. To increase visibility, use the lights and devices provided with your machine. For some equipment, install extra flashing warning lights.

Keep safety items in good condition. Replace missing or damaged items. An implement safety lighting kit is available from your John Deere dealer.



DX,FLASH -19-04JUN90

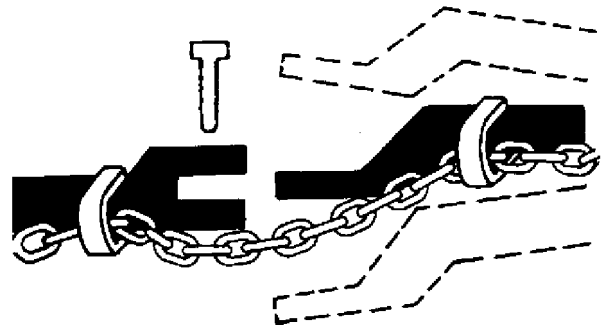
TS951 -UN-12APR90

USE A SAFETY CHAIN

A safety chain will help control drawn equipment should it accidentally separate from the drawbar.

Using the appropriate adapter parts, attach the chain to the tractor drawbar support or other specified anchor location. Provide only enough slack in the chain to permit turning.

See your John Deere dealer for a chain with a strength rating equal to or greater than the gross weight of the towed machine. Do not use safety chain for towing.



DX,CHAIN -19-04JUN90

TS217 -UN-23AUG88



TRANSPORT CHISEL PLOW SAFELY

Keep away from overhead power lines. Serious injury or death may result. Know the transport height of your machine.

Always fold wings fully. If wing fold cylinders are removed, chain wings together to prevent accidental lowering.

Install transport lockups on depth control cylinders.

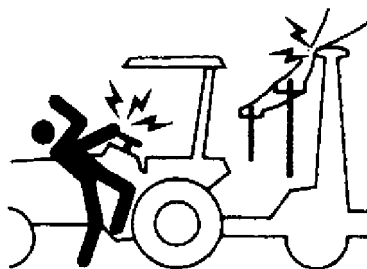
Travel at a reasonable and safe speed.

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

Latch the tractor brakes together.

Stop slowly.

Upward force on hitch may cause instability when transporting. Add ballast to tractor as required.



N03,610C,E -19-21JUN88

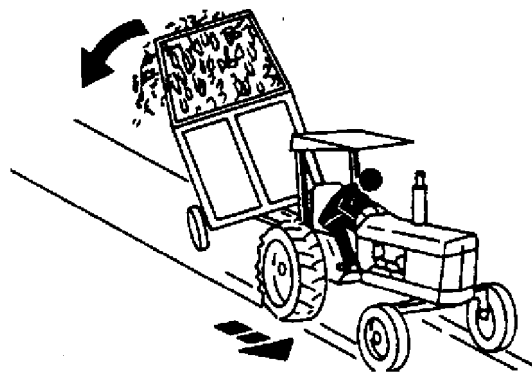
N39394 -UN-06OCT88

REDUCE SPEED WHEN TOWING LOADS

Braking to stop towed loads from transport speeds can cause the towed load to swerve and upset. Reduce speed if towed load weighs more than the tractor and is not equipped with brakes.

Follow recommended speed-weight ratio guidelines:

- Maximum speed is 32 km/h (20 mph) when towing load equal to or less in weight than the tractor.
- Reduce speed to 16 km/h (10 mph) when towing load up to double the tractor weight.
- Do not tow loads exceeding double the tractor weight.
- Use additional caution when towing loads under adverse surface conditions, when turning, and on inclines.



DX,TOW -19-27MAY92

TS216 -UN-23AUG88



PRACTICE SAFE MAINTENANCE

Understand service procedure before doing work. Keep area clean and dry.

Never lubricate or service machine while it is moving. Keep hands, feet, and clothing from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.

Securely support any machine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.

Disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.



DX,SERV -19-04JUN90

-UN-23AUG88

TS218

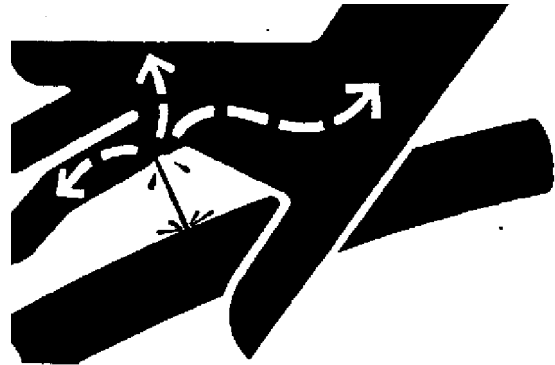
AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.



DX,FLUID -19-09AUG91

-UN-23AUG88

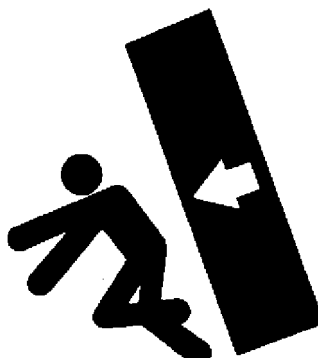
X9811



STORE ATTACHMENTS SAFELY

Stored attachments such as dual wheels, cage wheels, and loaders can fall and cause serious injury or death.

Securely store attachments and implements to prevent falling. Keep playing children and bystanders away from storage area.



DX.STORE -19-04JUN90

TS219 -UN-23AUG88

SERVICE TIRES SAFELY

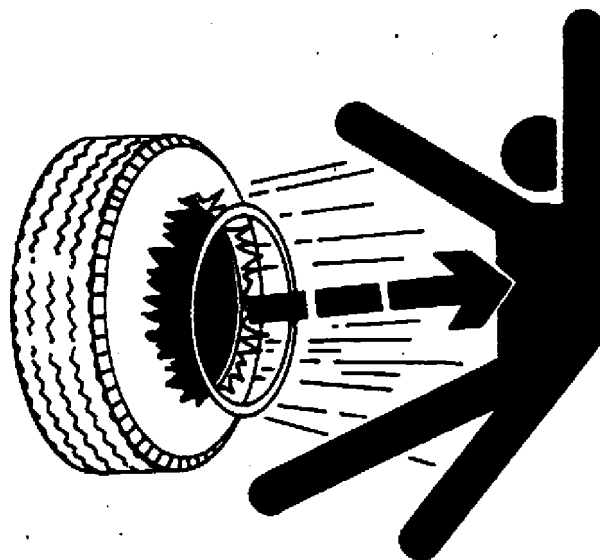
! CAUTION: Explosive separation of a tire and rim parts can cause serious injury or death.

Only attempt to mount a tire if 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.

Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure.

When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand on one side and NOT in front of or over the tire assembly. Use a safety cage if available.

Inspect tires and wheels daily. Do not operate with low pressure, cuts, bubbles, damaged rims or missing lug bolts and nuts.



1N4,610C,A5 -19-27SEP91

TS211 -UN-23AUG88

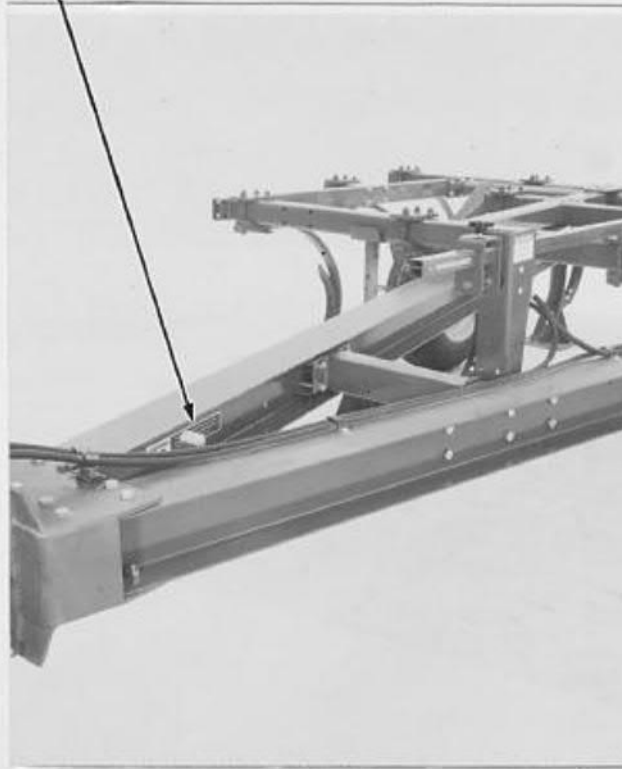
Safety Signs

HITCH

⚠ WARNING




TONGUE CAN WHIP UPWARDS WHEN UNHITCHING. TO AVOID BODILY INJURY, LOWER THE MACHINE OR THE REAR PARKING STANDS TO GROUND BEFORE REMOVING HITCH PIN.



N38954 -19-15MAR89

1N4,1650C,A12 -19-08NOV88

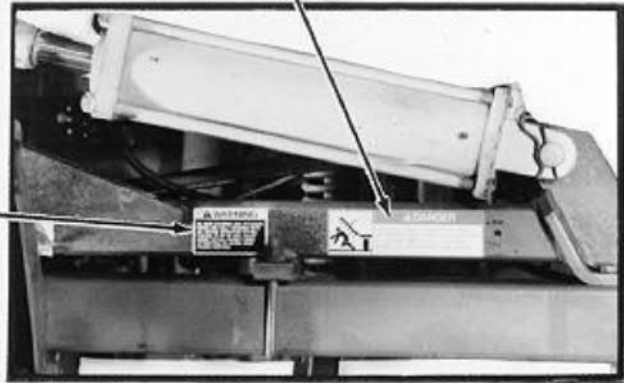


! DANGER

To avoid injury or death stand clear of machine when wings are being folded or unfolded. Mechanical or hydraulic failure can allow wings to fall rapidly.

! WARNING

Be sure cylinder and attaching hoses are fully charged with oil before operating system. Failure to do so will allow wings to fall rapidly when attempting to lower from folded position.



1N4,1650C,A13 -19-08NOV88

N40067 -19-14MAR89

! WARNING


TO AVOID INJURY INSTALL CYLINDER LOCKUP(S) BEFORE TRANSPORTING OR SERVICING MACHINE.

S



1N4,1650C,A14 -19-08NOV88

N40068 -19-14MAR89



⚠ DANGER

Wing may fall rapidly and cause bodily injury if unpinned incorrectly.
Before removing lockup pin, retract cylinder fully to take weight off pin. If pin does not remove freely, adjust linkage and/or ensure cylinder is completely filled with hydraulic fluid.

⚠ WARNING

1. Stop machine to raise and lower wings.
2. Secure raised wings with locking pins before transporting and before detaching lift cylinder or its hydraulic hoses.
3. Stay clear of wings during raising and lowering.
4. Keep flow restrictors in cylinders for wing lift.



⚠ DANGER

To avoid injury or death do not contact electric lines.

1N4,1650C,A15 -19-08NOV88

N40069 -19-14MAR89

Safety Signs



1N4,1650C,A16 -19-08NOV88

N40070 -19-19JUN89

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