

740A Mulch Drill

**John Deere Werke Zweibrücken
OMZ92595 Issue A8**

Printed in Germany
ENGLISCH

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 and safety signs on your machine may also be available in other languages (see your John Deere dealer to order).

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 given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

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

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Specification or Identification Numbers 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. File the identification numbers in a secure place off the machine.

BEFORE DELIVERING THIS MACHINE, your dealer performed a predelivery inspection. After operating for the first 50 hours, schedule an after-sale inspection with your dealer to ensure best performance.

THIS DRILL IS DESIGNED SOLELY for use in customary agricultural or similar operations ("INTENDED USE"). Use in any other way is considered as contrary to the intended use. The manufacturer accepts no liability for damage or injury resulting from this misuse, and these risks must be borne solely by the user. Compliance with and strict adherence to the conditions of operation, service and repair as specified by the manufacturer also constitute essential elements for the intended use.

THIS DRILL SHOULD BE OPERATED, serviced and repaired only by persons familiar with all its particular characteristics and acquainted with the relevant safety rules (accident prevention). The accident prevention regulations, all other generally recognized regulations on safety and occupational medicine and the road traffic regulations must be observed at all times. Any arbitrary modifications carried out on this drill will relieve the manufacturer of all liability for any resulting damage or injury.

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Identification View



ZX011311

740A Drill, 9 m Version

ZX011311
-UN-02JUN97

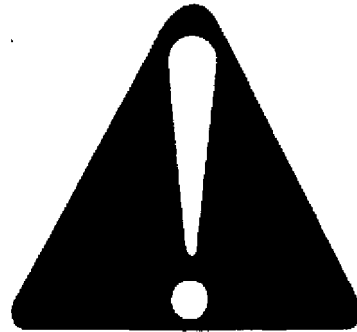
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Safety

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 -19-03MAR93

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 -19-03MAR93

TS187 -19-30SEP88

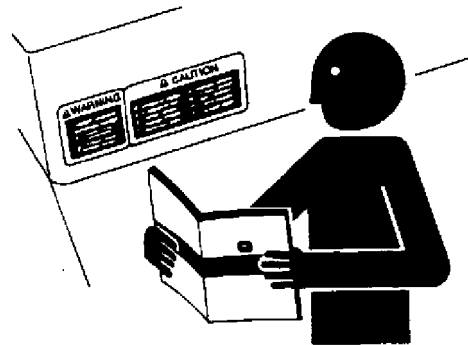
FOLLOW SAFETY INSTRUCTIONS

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 -19-03MAR93

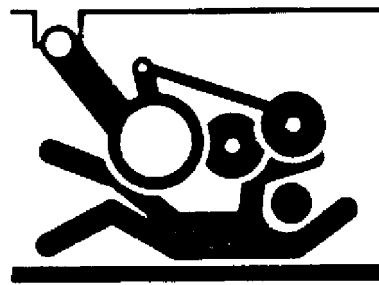
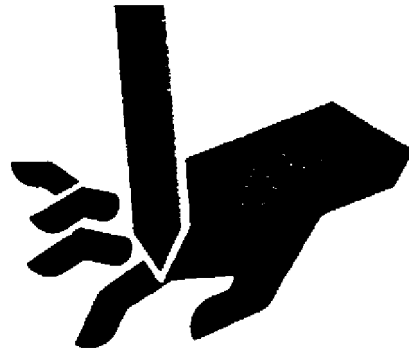
TS201 -UN-23AUG88



OPERATE SAFELY

Always keep hands away from opener blades during opener adjustment.

Always lock-up opener lift cylinder(s) before performing any maintenance or adjustments under machine.



NX,750,C4 -19-21MAR89

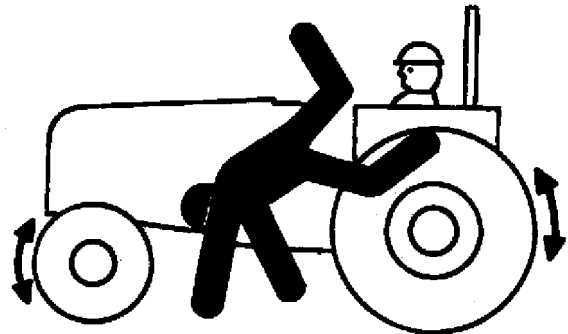
N39627 -UN-22SEP88

N39645 -UN-06OCT88

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 -19-03MAR93

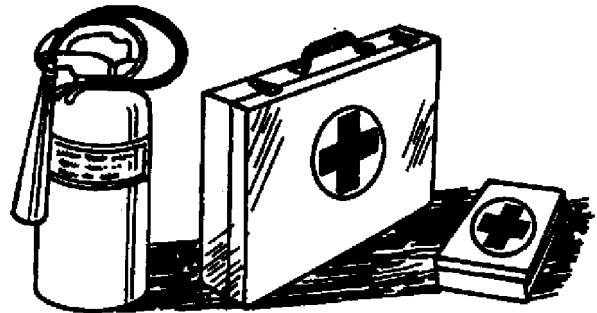
TS290 -UN-23AUG88

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 -19-03MAR93

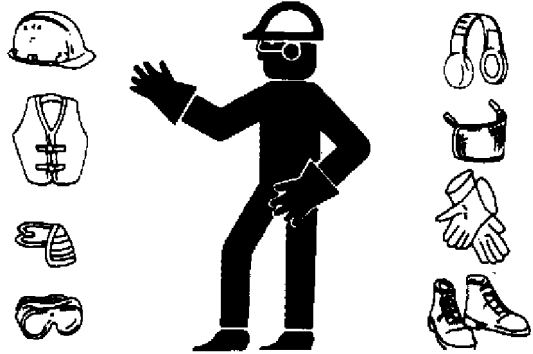
TS291 -UN-23AUG88



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.



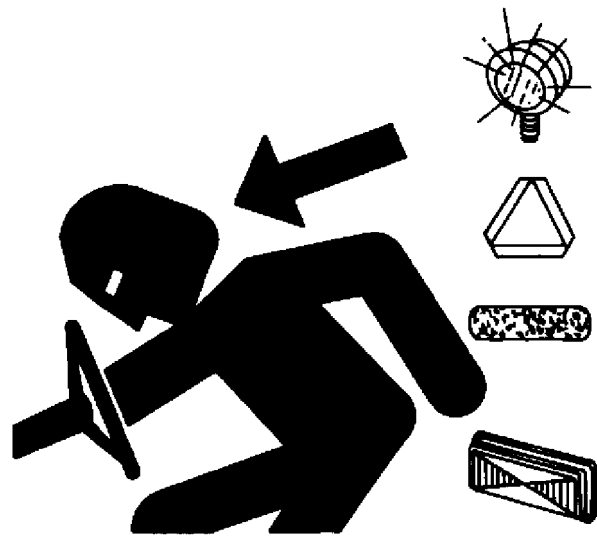
DX,WEAR2 -19-03MAR93

TS206 -UN-23AUG68

USE SAFETY LIGHTS AND DEVICES

Prevent collisions between other road users, slow moving tractors with attachments or towed equipment, and self-propelled machines on public roads. Frequently check for traffic from the rear, especially in turns, and use hand signals or turn signal lights.

Use headlights, flashing warning lights, and turn signals day and night. Follow local regulations for equipment lighting and marking. Keep lighting and marking visible and in good working order. Replace or repair lighting and marking that has been damaged or lost. An implement safety lighting kit is available from your John Deere dealer.



DX,FLASH -19-12SEP95

TS951 -UN-12APR90



TRANSPORT SAFELY

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

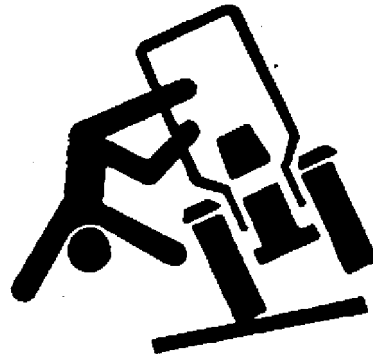
Make sure reflectors and SMV emblem are easily visible from rear.

Stop slowly.

Always empty all seed and/or fertilizer before transporting drill. DO NOT exceed 16 km/h (10 mph) if drill is not empty.

Always lock-up opener lift cylinder(s) before transporting drill. Hydraulic failure can allow openers to fall rapidly.

If the drill is equipped with marker arms, make sure that arms are locked in raised position before transporting drill.



N39084 -UN-30MAR89

ZX,750,C5 -19-01JUL95

PRACTICE SAFE MAINTENANCE

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

Never lubricate, service, or adjust 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.



T5218 -UN-23AUG88

DX,SERV -19-03MAR93



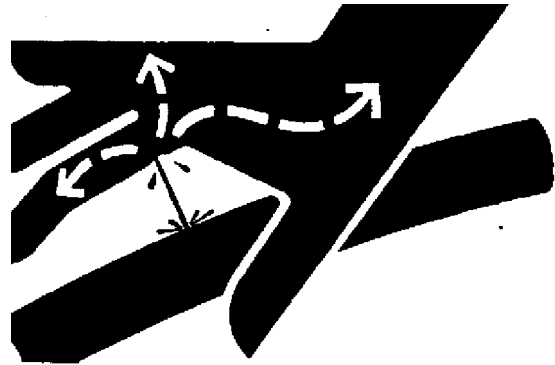
AVOID HIGH-PRESSURE FLUIDS

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.



-UN-23AUG88

X9811

DX,FLUID -19-03MAR93



HANDLE PESTICIDES AND FERTILIZERS CAREFULLY

Keep dust away from skin and hair.

Keep containers low when pouring.

Let the wind blow fumes away from you when mixing with seed or when filling tank.

Wear a filtered respirator if you cannot avoid dust.

Wear goggles to protect your eyes.

Wash exposed skin areas frequently—do not leave pesticide on your skin.

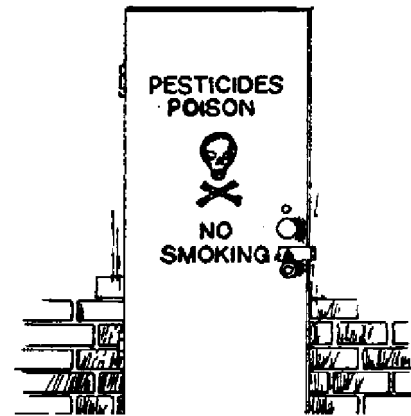
Do not smoke while handling pesticides.

Properly dispose of pesticide container, unused pesticide and left-over treated seed and fertilizer.

Read and observe manufacturers recommendations.

Store pesticides in a separate, plainly marked LOCKED building.

Store pesticides in original containers with labels intact.



N35988 -UN-04OCT88

N35988

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N33983 -19-31JAN89

N33983

NX,750,C7 -19-21MAR89

Safety Decals

PICTORIAL SAFETY SIGNS

At several important places of this machine safety signs are affixed intended to signify potential danger. The hazard is identified by a pictorial in a warning triangle. An adjacent pictorial provides information how to avoid personal injury. These safety signs, their placement on the machine and a brief explanatory text are shown below.

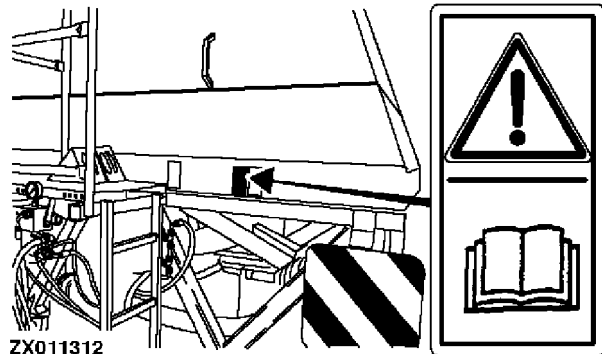


FX,WBZ -19-19NOV91

TS231 -19-07OCT88

OPERATOR'S MANUAL

This operator's manual contains important information necessary for safe machine operation. Carefully observe all safety rules to avoid accidents.



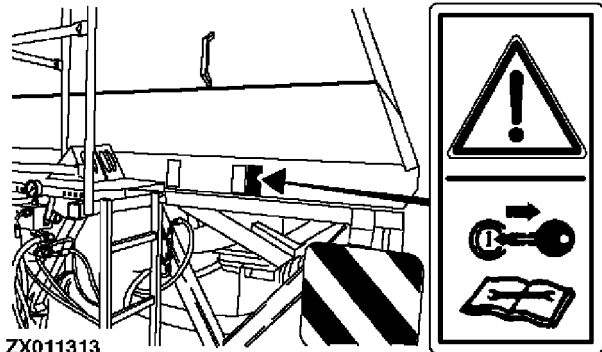
ZX011312

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ZX011312

MAINTENANCE AND REPAIR

Before carrying out maintenance and repair work, shut off engine and remove key.



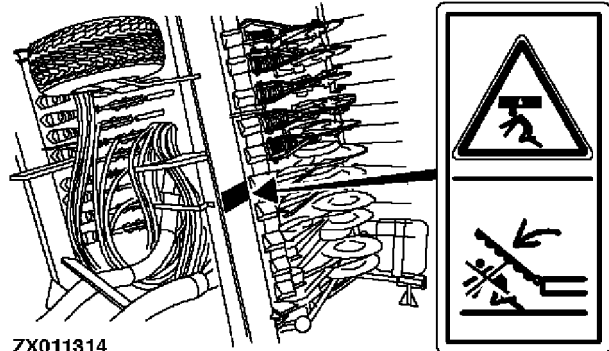
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FOLDING WINGS

Stay clear of wing swinging range.



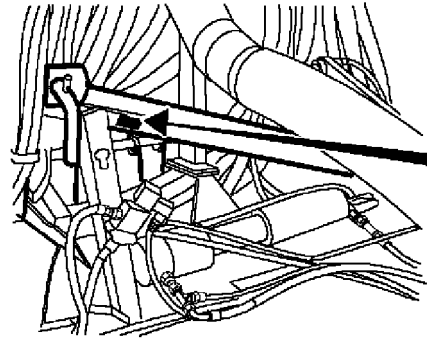
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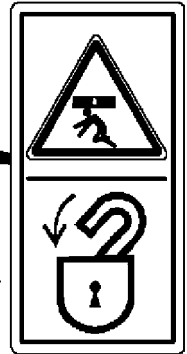
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ZX011314

LOCKING WINGS

Stay clear of danger area unless the lift cylinders are locked.



ZX011315

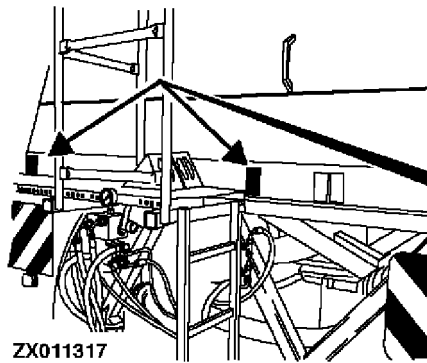


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ZX011315 -JUN-16JUN97

ACCESS LADDER AND PLATFORM

Do not allow riders on access ladder or platform.



ZX011317



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ZX011317 -JUN-16JUN97



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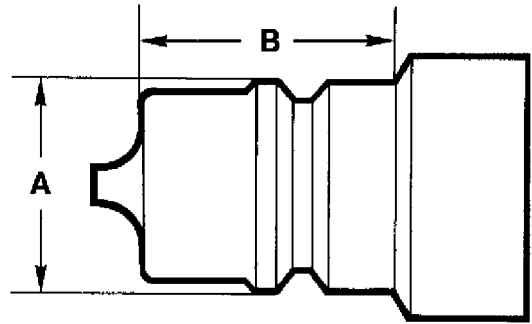
Thank you so much for reading

Preparing the Tractor

FOR ALL TRACTORS

IMPORTANT: The machine ex-factory needs tractors with closed-center hydraulic system to operate the down pressure control system for the openers.

Special bundles are available as attachments to convert the machine for use on a tractor with open-center hydraulic system or to easily switch between each hydraulic system. See "Attachments" Section.



LX 006613

LX006613 -UN-15AUG94

- The hose unions used must comply with ISO standards.
- Dimension (A) must be between 23.66 and 23.74 mm (0.931 and 0.934 in.).
- Dimension (B) must be at least 24 mm (0.945 in.).
- Refer to your tractor Operator's Manual for recommended tire inflation, use of hydraulic system and other information on tractor implement usage.
- Check tire pressure, install ballast if required. See your tractor Operator's Manual.
- Check tractor hydraulic oil reservoir and add oil, if needed.

ZX,OM740A008459-19-18APR97

SELECTIVE CONTROL (SCV) VALVE

One valve is required for each of the following functions:

- Openers and track markers lifting.
- Wings folding.
- Hydrostatic blower fan drive.

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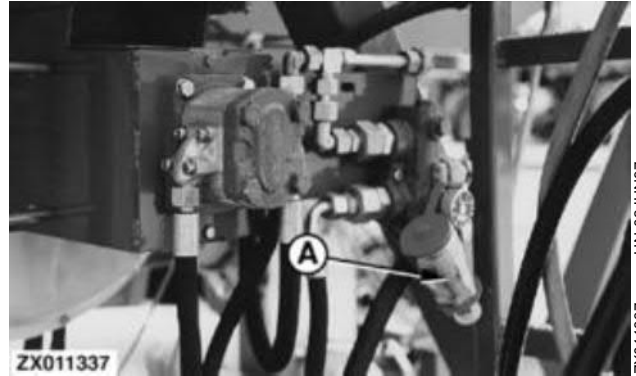
CONDITIONS FOR USE OF HYDRAULIC FAN DRIVE

The tractor must be fitted with the following equipment:

1. Parallel operation:— Parallel operation of the SCVs is necessary to allow the opener pressure to be adjusted during sowing.
2. Number of SCVs:— Suitable SCVs must be available for the selected hydraulic functions; it may be possible to couple similar functions together. Priority must be given to the oil supply for the hydraulic fan drive.
3. Special requirement for certain tractors:— Conversion plate LCB498853 must be fitted to all John Deere tractors that do not have load-sensing valves.
4. The oil pressure in the fan drive return line must be kept as low as possible in order to prevent damage to the hydraulic pump. Return pressure must not exceed 1500 kPa (15 bar; 217 psi).

A special coupler half (A) is provided with the machine for use on the tractor side. Its dimensions are such that return oil will be pressure-free (orifice diameter is 12 mm; 0.47 in.).

Return oil should NOT be fed back to the tractor's SCV, but should be returned directly to the filter and from there to the reservoir.



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