

**4700  
Self-Propelled  
Sprayer  
(P.I.N.: N04700X004478**



**JOHN DEERE**

**OPERATORS MANUAL**

**4700 Self-Propelled Sprayer (P.I.N.:  
N04700X004478— )**

OMN200764 Issue A9 English

**John Deere Des Moines Works**

**OMN200764 Issue A9**

(Mark old manual OMN200684 H8 for  
machines up to Serial No. N04700X004477)

LITHO IN U.S.A.  
ENGLISH



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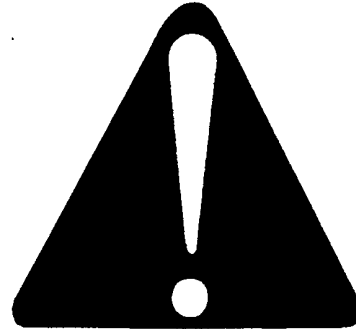
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# Safety

## 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 -19-29SEP98

T81389 -UN-07DEC88

## 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



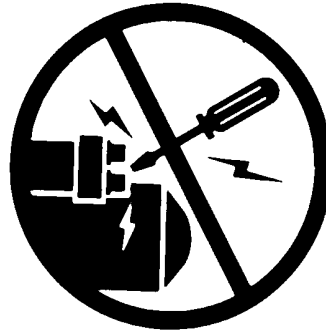


## PREVENT MACHINE RUNAWAY

Avoid possible injury or death from machinery runaway.

Do not start engine by shorting across starter terminals. Machine will start in gear if normal circuitry is bypassed.

NEVER start engine while standing on ground. Start engine only from operator's seat, with transmission in neutral or park.



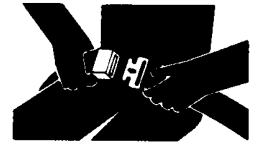
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TS177 -UN-11JAN89

## USE SEAT BELT PROPERLY

Use a seat belt when you operate with a roll-over protective structure (ROPS) or cab to minimize chance of injury from an accident such as an overturn.

Do not use a seat belt if operating without a ROPS or cab.



DX,ROPS1 -19-03MAR93

TS205 -UN-23AUG88

## OPERATE SAFELY

DO NOT start engine with hydro lever engaged.

DO NOT operate close to a ditch or creek.

DO NOT fold or unfold boom near overhead wires.

Always come to a complete stop before reversing directions.

Drive slowly over rough ground.

Slow down when turning.

Always shut off engine when leaving machine. Remove key when leaving machine unattended. Park brake will engage when engine is turned off regardless of hydro lever position.

Keep hands, feet and clothing away from moving parts.

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

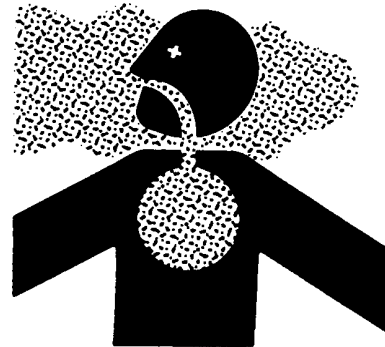
NX,4700,C1 -19-08OCT96



## BEWARE OF EXHAUST FUMES

Prevent asphyxiation. Engine exhaust fumes can cause sickness or death to you or others.

If you must operate in a building, be positive there is adequate ventilation. Use an exhaust pipe extension to remove the exhaust fumes or open doors and windows to bring enough outside air into the area.



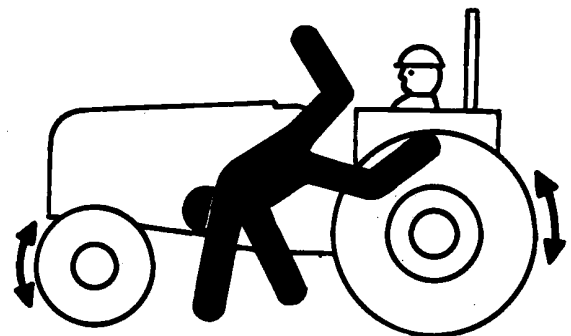
NX,4700,C1A -19-10AUG95

TS220 -UN-23AUG88

## 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

## HANDLE FUEL SAFELY—AVOID FIRES

Handle fuel with care: it is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks.

Always stop engine before refueling machine. Fill fuel tank outdoors.

Prevent fires by keeping machine clean of accumulated trash, grease, and debris. Always clean up spilled fuel.



DX,FIRE1 -19-03MAR93

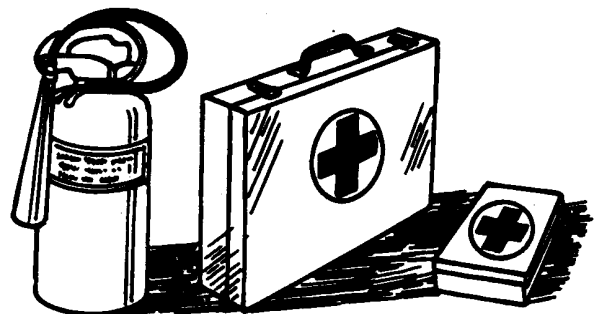
TS202 -UN-23AUG88

## 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

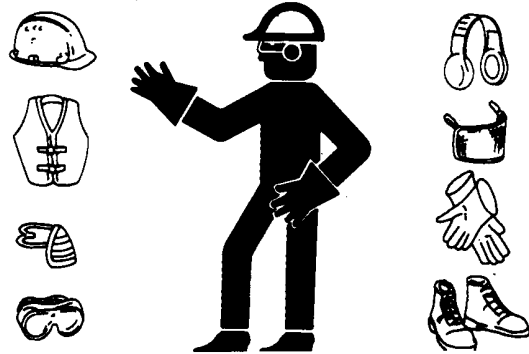
TS291 -UN-23AUG88



## 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-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 -19-03MAR93

TS207 -UN-23AUG88

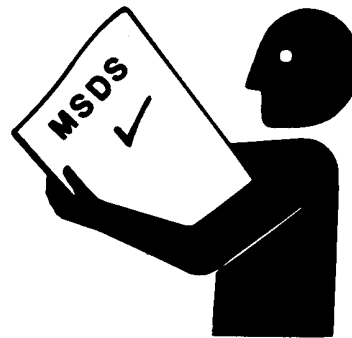
## HANDLE CHEMICAL PRODUCTS SAFELY

Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with John Deere equipment include such items as lubricants, coolants, paints, and adhesives.

A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques.

Check the MSDS before you start any job using a hazardous chemical. That way you will know exactly what the risks are and how to do the job safely. Then follow procedures and recommended equipment.

(See your John Deere dealer for MSDS's on chemical products used with John Deere equipment.)



DX,MSDS,NA -19-03MAR93

TS1132 -UN-26NOV90



Keep dust away from skin and hair.

Keep containers low when pouring.

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

Wear a filtered respirator if you cannot avoid dust.



NXH8,M64005,A1 -19-15APR98

N35988 -UN-04OCT88

Wear goggles to protect your eyes.

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

Keep clean water tank filled with clean water.

Do not smoke while handling chemicals.

Properly dispose of chemical containers, unused chemicals and fertilizer.

Read and observe manufacturer's recommendations.

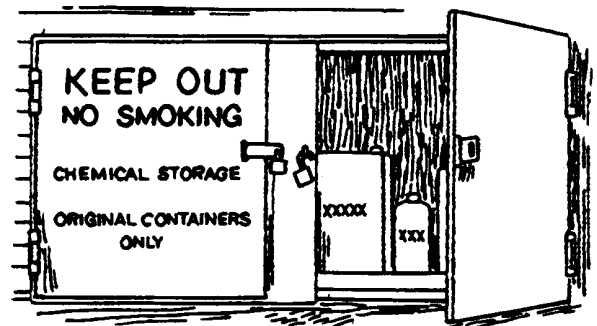


NX,250C,J -19-31DEC96

N35989 -UN-04OCT88

Store chemicals in a separate, plainly marked LOCKED building.

Store chemicals in original containers with labels intact.



N01,250C,K -19-01OCT84

N36950 -19-13MAR89



Select an area to fill, flush, calibrate and decontaminate sprayer where pesticides will not drift or run off to contaminate people, animals, vegetation, water supply, etc. Locate area to provide absolutely no opportunity for children to come in contact with pesticides.

If spray material comes in contact with the body, wash IMMEDIATELY with clean water and detergent.

In event of nozzle clogging or other system malfunctions, stop engine, and release pressure from the system.

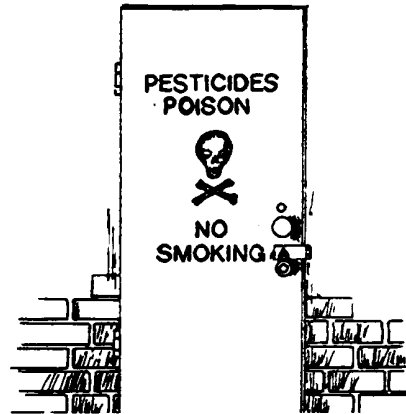
Never place nozzle tips or other parts to lips to blow out trash. Have spare tips available for replacement.

To minimize spray drift hazards:

- Use large nozzle tips operated at lower pressures.
- Do not operate machine solution system at pressure over 345 kPa (3.5 bar) (50 psi).
- Do not spray when winds exceed 16 km/h (10 mph).

Properly dispose of unused pesticide and flushing solutions.

Decontaminate equipment used in mixing, transferring and applying pesticide after use.



N33983 -19-31JAN89

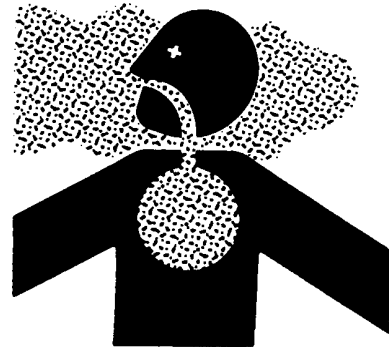
NXN.6500C.A5 -19-07AUG97



## AVOID CONTACT WITH PESTICIDES

Before leaving the cab, wear personal protective equipment as required by the pesticide use instructions. When re-entering the cab, remove protective equipment and store either outside the cab in a closed box or some other type of sealable container or inside the cab in a pesticide resistant container, such as a plastic bag.

Clean your shoes or boots to remove soil or other contaminated particles prior to entering the cab.



NX,OM554,CAB -19-26NOV97

-UN-23AUG88

TS220

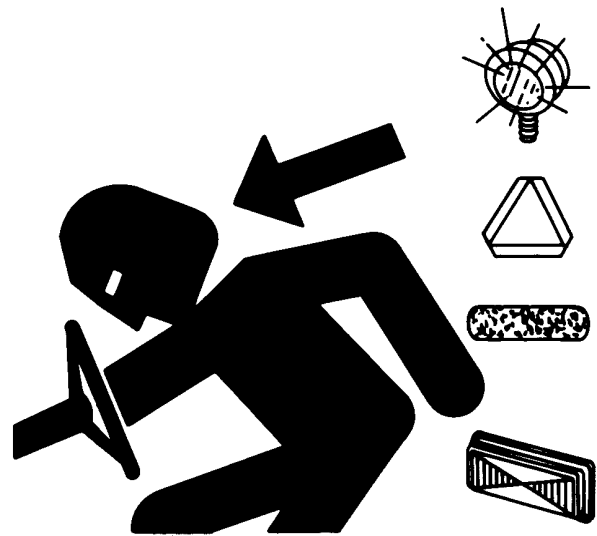
-UN-23AUG88

TS272

## 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

-UN-12APR90

TS951



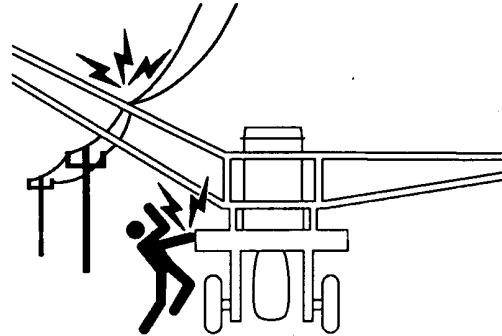
## TRANSPORT SAFELY

Keep away from overhead power lines. Serious injury or death to you or others can result should machine contact electrical wires. Know the transport height of your machine.

Stop slowly to avoid "nose diving".

Keep SMV emblem and reflectors clean and in place.

Do not exceed maximum transport speed of 45 km/h (28 mph).



N44191  
-UN-27APR92

NX,4700,C2A -19-18SEP96

## 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.



TS218  
-UN-23AUG88

DX,SERV -19-03MAR93



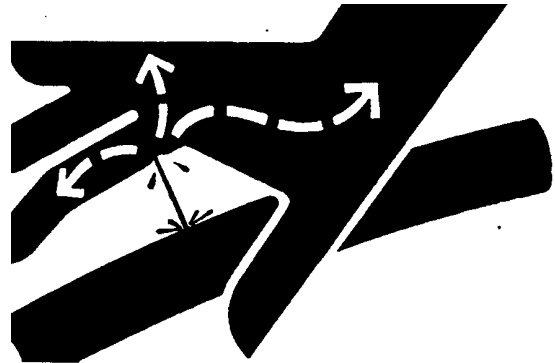
## AVOID HIGH-PRESSURE FLUIDS

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

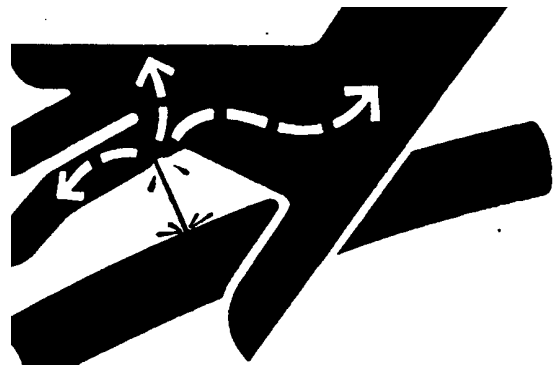
DX,FLUID -19-03MAR93

## CHECK HYDRAULIC HOSES

Hydraulic hoses can fail due to physical damage, kinks, age, and exposure. Check hoses regularly. Replace damaged hoses.

Escaping fluid under pressure can penetrate the skin causing serious injury to you or others. 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 can result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere and Company Medical Department in Moline, Illinois, U.S.A.



-UN-23AUG88

X9811

NXN,9930,HYD -19-02DEC97

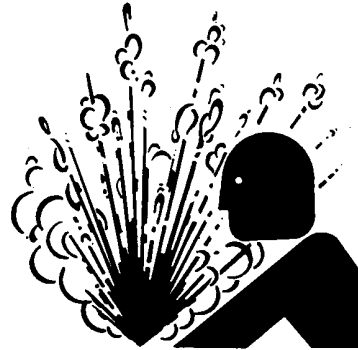




## SERVICE COOLING SYSTEM SAFELY

Explosive release of fluids from pressurized cooling system can cause serious burns.

Shut off engine. Only remove filler cap when cool enough to touch with bare hands. Slowly loosen cap to first stop to relieve pressure before removing completely.



DX,RCAP

-19-04JUN90

TS281 -UN-23AUG88

## SERVICE TIRES SAFELY

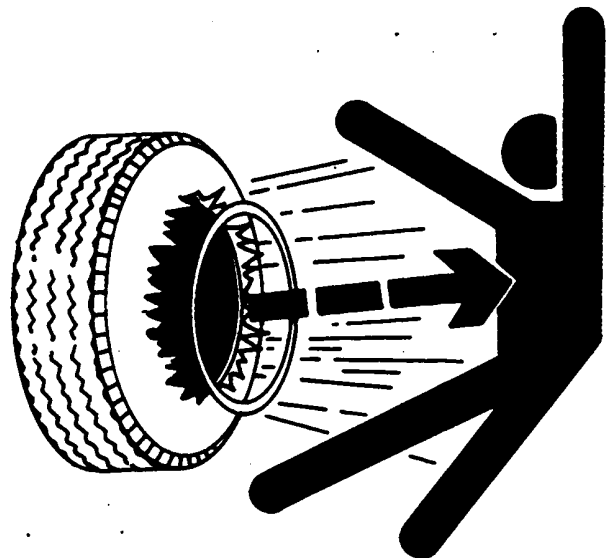
Explosive separation of a tire and rim parts can cause serious injury or death.

Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job.

Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.

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

Check wheels for low pressure, cuts, bubbles, damaged rims or missing lug bolts and nuts.



DX,RIM

-19-24AUG90

TS211 -UN-23AUG88



## DISPOSE OF WASTE PROPERLY

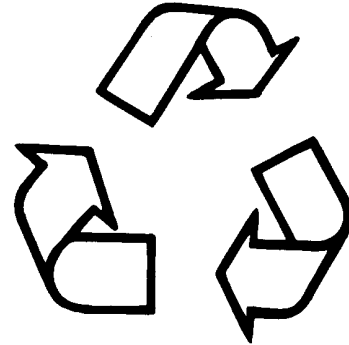
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

Use leakproof containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

Do not pour waste onto the ground, down a drain, or into any water source.

Air conditioning refrigerants escaping into the air can damage the Earth's atmosphere. Government regulations may require a certified air conditioning service center to recover and recycle used air conditioning refrigerants.

Inquire on the proper way to recycle or dispose of waste from your local environmental or recycling center, or from your John Deere dealer.



TS1133 -UN-26NOV90

DX,DRAIN -19-03MAR93

# Safety Signs

## SAFETY SIGNS



### CAUTION

1. Read Operator's Manual before operating this sprayer.
2. Keep all shields in place.
3. Make certain everyone is clear of machine before starting engine or operation.
4. Keep all riders off sprayer and equipment.
5. Keep hands, feet and clothing away from moving parts.
6. Reduce speed when turning or operating around hazards, on rough ground or steep slopes.
7. Use flashing warning lights on highway unless prohibited by law.
8. Stop engine, put hydro lever in PARK POSITION (lever neutral detent) before dismounting.
9. Wait for all movement to stop before servicing machinery.
10. Remove key if leaving vehicle unattended.

### WARNING



**AVOID CRUSHING:**  
• Do not jump if machine tips.



**USE  
SEAT  
BELT**

• Pull belt fully from retractor and adjust for best protection.

### DANGER

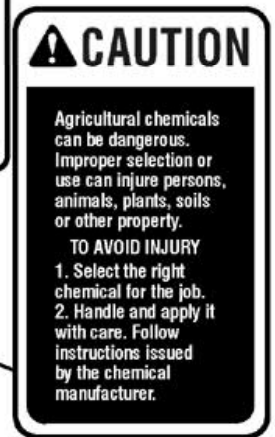
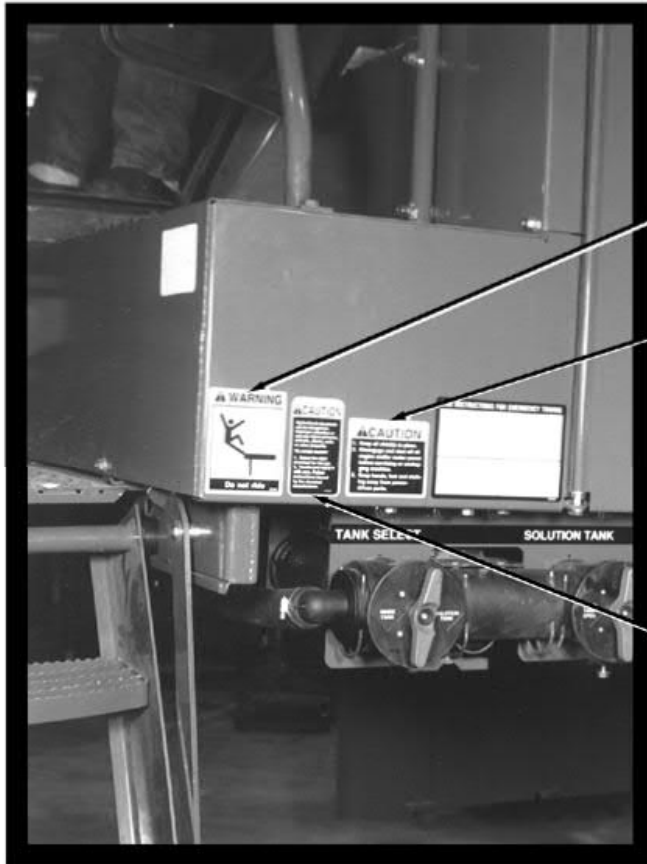


To avoid injury or death do not contact electric lines when moving or operating this machine.

N42173JK -19-27DEC96

NX,4700C,A1 -19-25FEB97

Safety Signs



N42173JL -19-27DEC96

NX,OM4700,SS1 -19-31DEC96

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