

**4055,
4255,
4455,
4755, and
4955 Tractors**

**John Deere Waterloo Works
OMRW25631 Issue K9
(This manual replaces OM-RW25631A9)
European Edition
LITHO IN U.S.A.
ENGLISH**

Introduction

We appreciate the confidence you have shown in John Deere for the purchase of this equipment.

INSPECTIONS

Before handing over this new machine, your dealer performed a Predelivery Inspection. After the machine has operated the first 100 hours, your dealer should perform an After-Sale Inspection in order to guarantee the reliable operation of the machine.

The check list provided for the Predelivery Inspection (at the beginning of the Operator's Manual) will be completed and removed by your John Deere dealer as the inspection is being performed. The dealer will confirm completion of the inspection on the check list and will hand over the pink colored copy to you.

IMPORTANT: This tractor 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 tractor 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 tractor will relieve the manufacturer of all liability for any resulting damage or injury.

SAFETY



CAUTION: 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.

At the hand over, your dealer explained the proper operation and maintenance of the machine. Read this Operator's Manual carefully before using the machine for the first time, and pay particular attention to the Safety Rules on the first pages.

IMPORTANT: The fuel injection pump adjusting screws are sealed. Any breakage of the seals and/or any increase in max. fuel delivery or engine power beyond published factory specifications will result in loss of warranty protection for this machine.

MEASUREMENTS

Your operator's manual contains the international standardized SI metric measurement system.

DIRECTION

Right-hand and left-hand sides of this machine are determined by facing in the direction of forward travel.

SERIAL NUMBERS

Record the serial numbers of your machine in the spaces provided at the end of this manual. Your dealer needs this information when ordering spare parts.

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OMRW25631 K9-19-29JAN90

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A John Deere ILLUSTRATION™ Manual

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John Deere Service Keeps You On The Job

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Identification View



RW14745 -UN-07DEC88

RX_25631.CON3 -19-25JUL89

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.



RX,ALERT,05 -19-25JUL89

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.

Safety signs with signal word DANGER or WARNING are typically near specific hazards.

General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



O53,SIGNAL -19-07OCT85

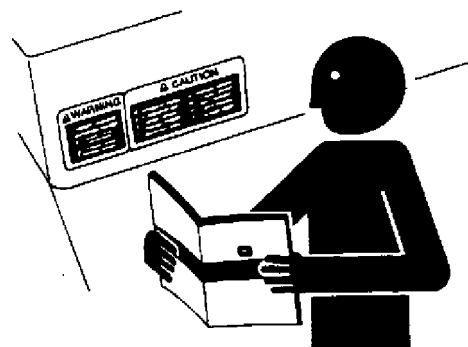
TS187 -19-30SEP88

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.

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.



O53,READ -19-23APR87

TS201 -UN-23AUG88



STAY CLEAR OF MOVING TRACTOR

Always place transmission in PARK before dismounting. Leaving transmission in gear with engine stopped will NOT prevent the tractor from moving.

Be sure everyone is clear of tractor and attached equipment before starting engine. Some movement may occur as engine starts.

Never try to get on or off a moving tractor.

When tractor is left unattended, place in PARK, lower implements to the ground, stop the engine, and remove the key.



-UN-23AUG68

TS213

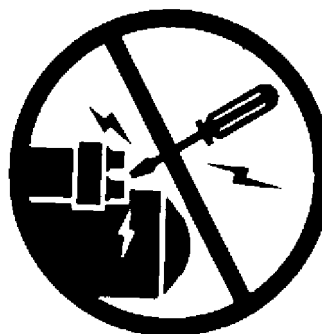
RX,STAY,CLEAR -19-25JUL89

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.



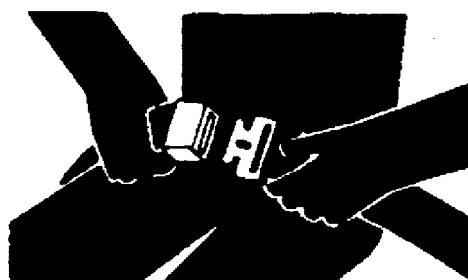
-UN-11JAN69

TS177

O53,BYPAS1 -19-21MAY85

USE SEAT BELT PROPERLY

Use a seat belt to minimize chance of injury from an accident such as an overturn.



-UN-05JAN89

RW16064

RX,ROPS1 -19-25JUL89

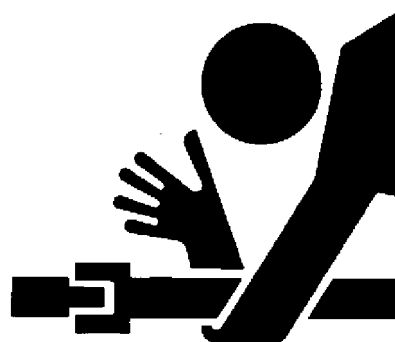


OPERATE TRACTOR SAFELY

Features designed into your tractor make operation safer and let it perform a wide variety of jobs. Use your tractor only for specific jobs it was designed to perform: implement carrier, load mover, remote power source, or transport unit—not a recreational vehicle.

Careless use or misuse can result in unnecessary accidents. Be alert to hazards of tractor operation. Understand causes of accidents and take every precaution to avoid them. Most common accidents are caused from:

- Tractor upsets
- Improper starting procedures
- Crushing and pinching during hitching
- Collisions with other motor vehicles
- Getting entangled in PTO shafts
- Falls from tractors



RX,HAZARD,S -19-25JUL89

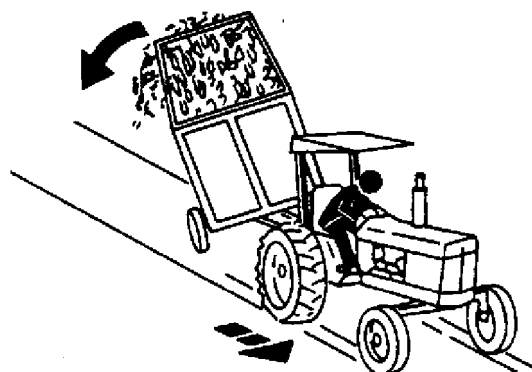
TS276 -UN-23AUG88

SHIFT TO LOW GEAR ON HILLS

Shift to a low gear before descending a steep hill to improve your control of the tractor with little or no braking. Use engine braking to reduce speed before applying tractor brakes. Run-away tractors often tip over. Never coast downhill.

When driving on icy, wet, or graveled surfaces, reduce speed and be sure tractor is properly ballasted to avoid skidding and loss of steering control. For best control, engage front-wheel drive, by using “ON” mode, rather than “AUTO” mode for four-wheel braking.

Additional ballast may be needed for transporting heavy integral implements. When implement is raised, drive slowly over rough ground, regardless of how much ballast is used.



RX,DRIVE,SAFE1 -19-13DEC88

TS216 -UN-23AUG88



USE CAUTION ON HILLSIDES

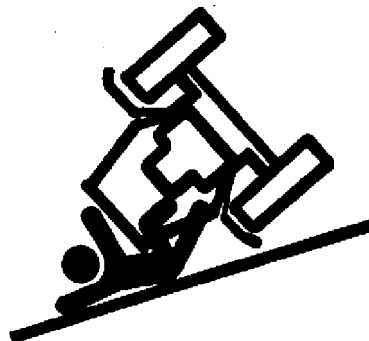
Avoid holes, ditches, and obstructions which may cause the tractor to tip, especially on hillsides. Avoid sharp, uphill turns.

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

Driving forward out of a ditch or mired condition or up a steep slope could cause tractor to tip over rearward. Back out of these situations if possible.

Front-wheel drive greatly increases traction. When this option is used, extra caution is needed on slopes. Compared to 2-wheel drive, a front-wheel drive tractor maintains traction on steeper slopes, increasing the possibility of a tip over.

Be especially careful when using single wheels. Danger of overturn increases greatly with narrow tread, 60 in. (1524 mm), at high speed.



RX,HILL,SIDE1 -19-19OCT88

RW13093 -UN-07DEC88

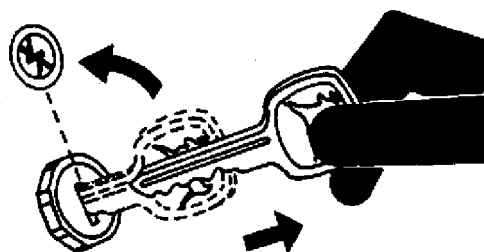
STOPPING AND PARKING TRACTOR

Your ability to stop your tractor and park it safely is just as important as being able to get it underway safely.

Tractor upsets, collisions, runaway tractors, and people being crushed under machines and implements can happen when operators ignore safety.

To avoid these accidents, take some precautions:

- Signal before stopping, turning, or slowing down on highways.
- Pull over to shoulder of highway before stopping, if possible.
- Slow down before braking.
- Pump brakes when stopping on slippery surfaces like ice, snow, mud, or loose gravel.
- Be careful when towing and stopping heavy loads.
- Shift to park or set parking brake.
- Lower all equipment when leaving tractor.
- Turn off all electrical switches and remove key.



RX,STOP,PARK -19-10NOV88

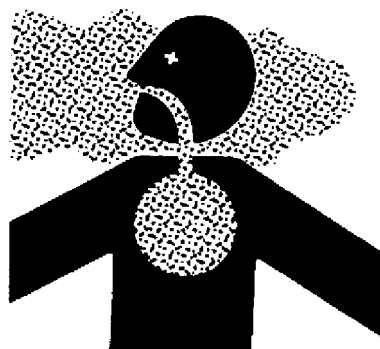
TS230 -UN-24MAY89



WORK IN VENTILATED AREA

Engine exhaust fumes can cause sickness or death. If it is necessary to run an engine in an enclosed area, remove the exhaust fumes from the area with an exhaust pipe extension.

If you do not have an exhaust pipe extension, open the doors and get outside air into the area.



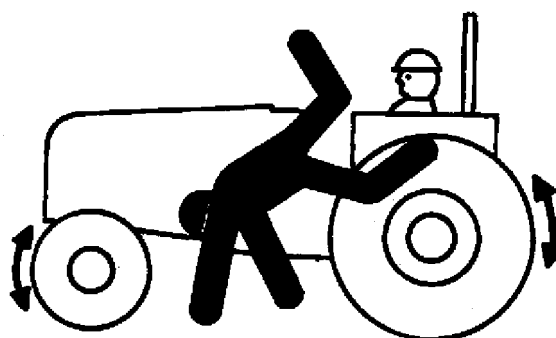
O53,AIR -19-05JAN88

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.

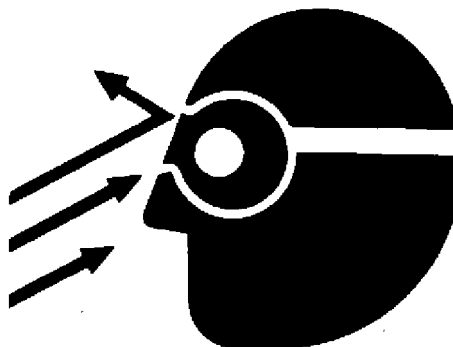


O53,RIDER -19-03MAY88

TS290 -UN-23AUG88

OPERATE RADAR UNIT SAFELY

Radar ground speed sensor emits a very low intensity microwave signal. It will not cause any ill effects during normal use. Although intensity is low, DO NOT look directly into face of sensor while in operation, to avoid any possible eye damage.



RX,SAFTY,RADAR1-19-10NOV88

TS266 -UN-23AUG88



HANDLE FLUIDS SAFELY—AVOID FIRES

When you work around fuel, do not smoke or work near heaters or other fire hazards.

Store flammable fluids away from fire hazards. Do not incinerate or puncture pressurized containers.

Make sure machine is clean of trash, grease, and debris.

Do not store oily rags; they can ignite and burn spontaneously.



O53,FLAME -19-05JAN88

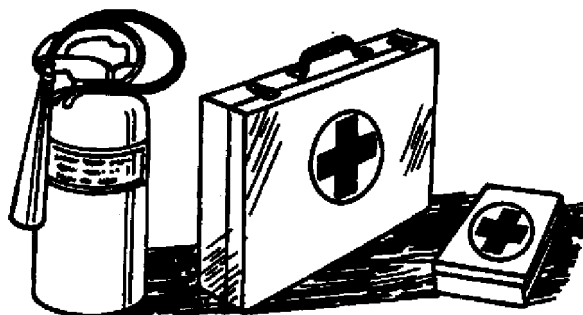
TS227 -UN-23AUG88

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.



O53,FIRE2 -19-03MAR88

TS291 -UN-23AUG88

HANDLE STARTING FLUID SAFELY

Starting fluid is highly flammable.

Keep all sparks and flame away when using it. Keep starting fluid away from batteries and cables.

To prevent accidental discharge when storing the pressurized can, keep the cap on the container, and store in a cool, protected location.

Do not incinerate or puncture a starting fluid container.



O53,FIRE3 -19-17MAR89

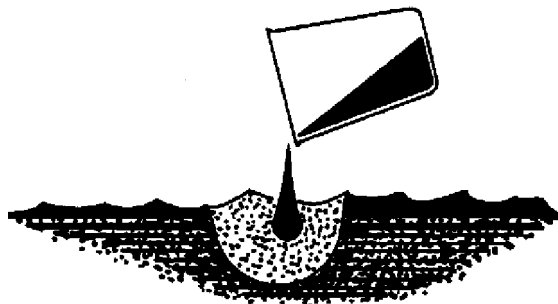
T6089AU -UN-23MAR89



DISPOSE FLUIDS PROPERLY

Improperly disposing of fluids can harm the environment and ecology. Before draining any fluids, find out the proper way to dispose of the waste. Check local and governmental regulations.

Avoid pouring oil into the ground, down a drain, or into a stream, pond or lake. Observe relevant environment protection regulations when disposing of oil, fuel, coolant, brake fluid, filters, batteries, and other harmful waste.

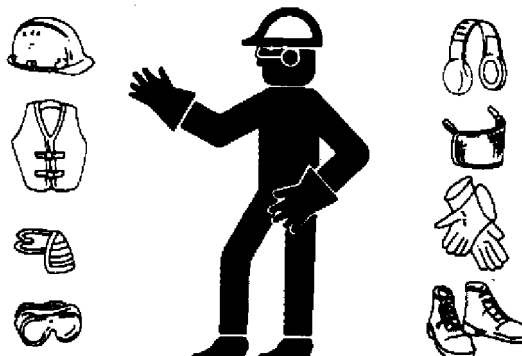


O53_DRAIN -19-26NOV88

TS222 -UN-23AUG88

WEAR PROTECTIVE CLOTHING

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



O53_WEAR2 -19-23APR87

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.



O53_NOISE -19-15MAR88

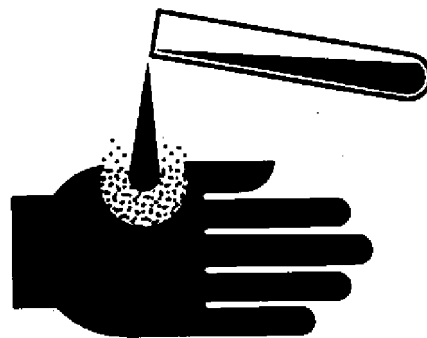
TS207 -UN-23AUG88



HANDLE CHEMICALS PROPERLY

Know hazards of fertilizers, insecticides, herbicides, and other chemicals you use during tillage and planting operations. Avoid any contact with dust, spray mixes, and vapors, especially from deadly organic phosphates, which are fast-acting nerve poisons.

SOUND-GARD body air filters are not designed to filter out harmful chemicals. Follow instructions given in the implement operator's manual and those given by the chemical manufacturer when using agricultural chemicals.



RX,HANDLE,CHEM -19-10NOV88

TS272 -UN-23AUG88

STAY CLEAR OF ROTATING DRIVELINES

Entanglement in rotating driveline can cause serious injury or death.

Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Wear close fitting clothing. Stop the engine and be sure PTO driveline is stopped before making adjustments, connections, or cleaning out PTO driven equipment.



O53,PTO -19-16JUN87

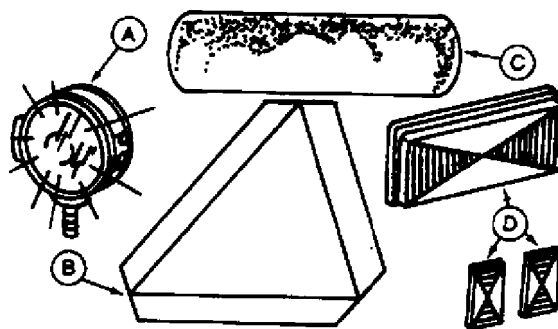
TS198 -UN-23AUG88

USE SAFETY LIGHTS AND DEVICES

When transporting your machine on a road or highway at night or during the day, use necessary safety lights. Check local governmental regulations. A safety lighting kit is available from you John Deere dealer.

Keep safety items in good condition. Replace missing or damaged items.

- A—Lights
- B—Slow Moving Vehicle Emblem
- C—Reflector Tape
- D—Reflectors



O53,WARN -19-07JAN88

N36564 -UN-10FEB89

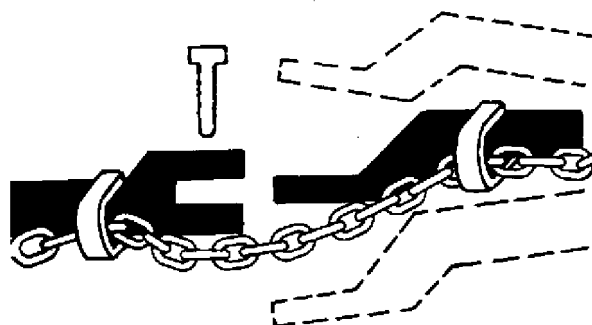


USE A SAFETY CHAIN

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.



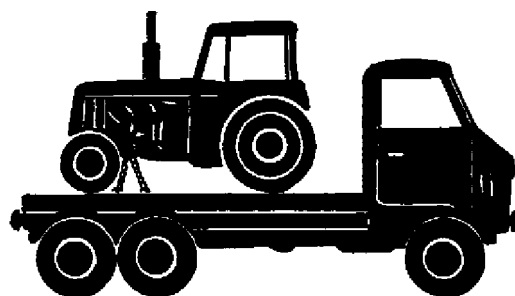
TS217
-UN-23AUG88

O53,CHAIN -19-17DEC87

TRANSPORT TRACTOR SAFELY

The best method for transporting a disabled tractor is to haul it on a flatbed carrier. Chain tractor to carrier securely. Do not chain around mechanical front-wheel drive shaft or axle housing.

If towing a tractor, never tow faster than 20 mph (32 km/h). Have an operator steer and brake tractor.



RW13090
-UN-07DEC88

RX,HAUL,IT2 -19-26JUL89

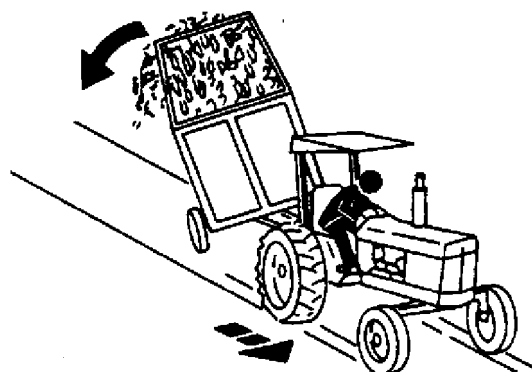


REDUCE SPEED WHEN TOWING LOADS

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 20 mph (32 km/h) when towing load equal to or less in weight than the tractor.
- Reduce speed to 10 mph (16 km/h) 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.



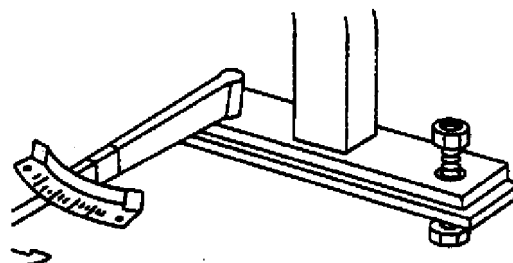
TS216 -UN-23AUG88

O53,TOW -19-08JUN88

KEEP ROPS INSTALLED PROPERLY

Make certain all parts are reinstalled correctly if the roll-over protective structure (ROPS) is loosened or removed for any reason. Tighten mounting bolts to proper torque.

The protection offered by ROPS will be impaired if ROPS is subjected to structural damage, is involved in an overturn incident, or is in any way altered by welding, bending, drilling, or cutting. A damaged ROPS should be replaced, not reused.



TS212 -UN-23AUG88

RX,ROPS3 -19-26JUL89



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.



TS218
-UN-23AUG88

RX.SERV -19-26JUL89

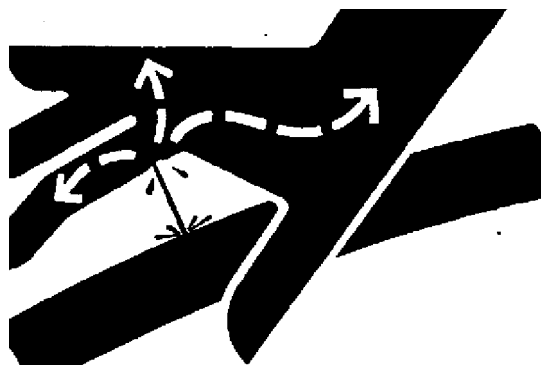
AVOID HIGH-PRESSURE FLUIDS

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.



X9811
-UN-23AUG88

O53.FLUID -19-01NOV89



Suggest:

If the above button click is invalid.

Please download this document first, and then click the above link to download the complete manual.

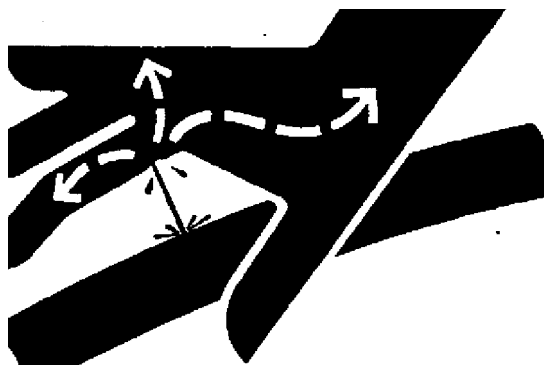
Thank you so much for reading



SERVICE BRAKE ACCUMULATOR SAFELY

Accumulator contains gas and oil under pressure. To avoid injury from escaping fluid, relieve all pressure from accumulator before disconnecting brake accumulator or brake valve. To do so open bleed screws and pump brake pedal with engine stopped, until pedal easily goes all the way down.

The accumulator is charged with dry nitrogen to a pressure of 500 psi (3450 kPa) (35 bar). If it needs recharging, have job done only by a qualified service person and only with dry nitrogen.



RX,BRAKE, FIX -19-26JUL89

X9811 -UN-23AUG88

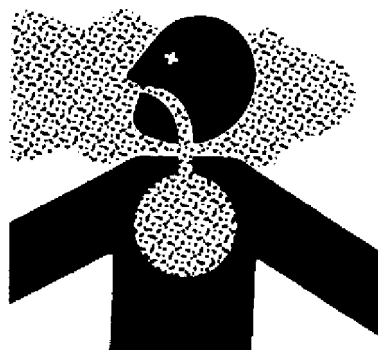
AVOID HARMFUL ASBESTOS DUST

Avoid breathing dust that may be generated when handling components containing asbestos fibers. Inhaled asbestos fibers may cause lung cancer.

Components in John Deere products that may contain asbestos fibers are brake pads, brake band and lining assemblies, clutch plates, and some gaskets. The asbestos used in these components is usually found in a resin or sealed in some way. Normal handling is not hazardous as long as airborne dust containing asbestos is not generated.

Avoid creating dust. Never use compressed air for cleaning. Avoid brushing or grinding of asbestos containing materials. When servicing, wear an approved respirator. A special vacuum cleaner is recommended to clean asbestos. If not available, wet the asbestos containing materials with a mist of oil or water.

Keep bystanders away from the area.



O53,DUST -19-14APR88

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