

JOHN DEERE 862B SCRAPER



JOHN DEERE

OPERATORS MANUAL JOHN DEERE 862B SCRAPER

OMT103982 D6 English

OMT103982 D6

LITHO IN THE U.S.A. (REVISED)
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.

Write product identification numbers in the Machine 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. If this manual is kept on the machine, also file the identification numbers in a secure place off the machine.

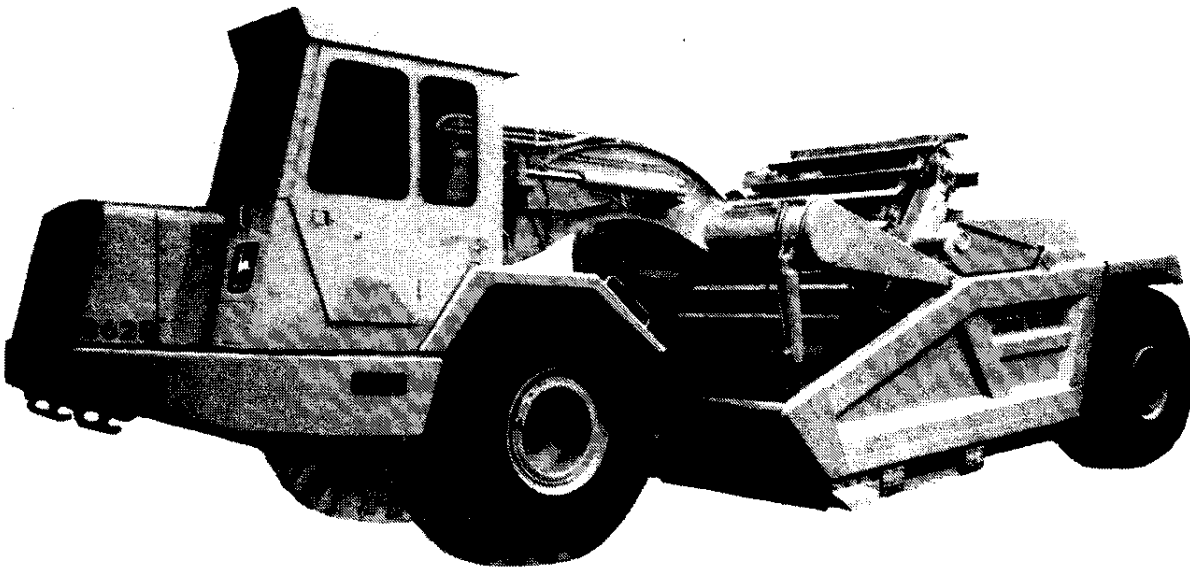
Measurements in this manual are U.S. customary units and their metric equivalents.

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

Warranty on this machine appears on your copy of the purchase order which you should have received from your dealer when making your purchase. 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.

Warranty and field improvements are a part of John Deere's product support program for customers who operate and maintain their equipment as described in this manual. 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.



All information, illustrations and specifications in this manual are based on the latest product 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.



AB6;T81389 053;ALERT 071085

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.

 **DANGER**

 **WARNING**

 **CAUTION**

AB6;TS187 053;SIGNAL 071085

FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Follow recommended precautions and safe operating practices.

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



AB6;TS188 053;SIGNS 071085



On ROPS (or cab) frame above dash

018;T6001BE 02T;05 C19 050286

 **WARNING**

AVOID POSSIBLE INJURY OR DEATH FROM A MACHINE RUNAWAY.

1. Do not start engine by shorting across starter terminals. Machine will start in gear and move if normal starting circuitry is bypassed.
2. Start engine only from operator's seat with transmission in neutral or park. NEVER start engine while standing on ground.

S

Between air cleaner center mounting strap and end cap—visible when servicing batteries

018;T6084AZ 02T;05 C20 050286

 **WARNING**

Avoid injury from escaping fluid. Contents of this accumulator are under pressure.

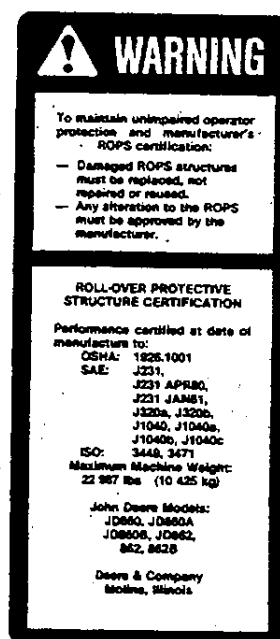
1. Refer to proper Machine Model Technical Manual for disassembly or charging instructions and equipment required.
2. Charge with DRY NITROGEN only.

S

**Maximum Working Pressure
22060 kPA (3200 PSI)**

On front of accumulator

018;T6084AY 02T;05 C21 050286



On right rear ROPS post

92A;T6279AA 02T;05 C22 050286

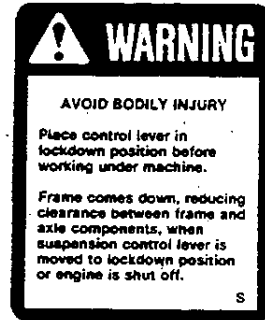


*On right rear vertical post
support at operator's eye level*

92A;T6310AG 02T;05 C25 140386

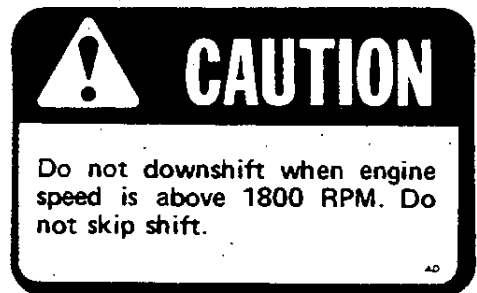
Safety

Near axle suspension control lever (if equipped)
and on left front fender near hand hold



018;T6278AG 02T;05 C26 120396

On right side of operator's
station near gear selector lever



018;T6278AI 02T;05 C27 050286

LEARN MACHINE SAFETY

Carefully read this manual. Learn how to operate the machine and how to use the controls properly.

Do not let anyone operate this machine without proper instruction.

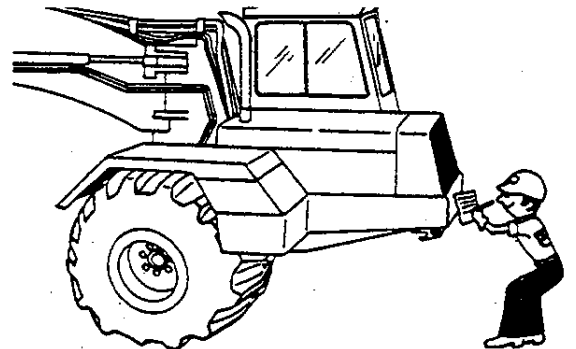
Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.



AB6;M35220 053;READ1 080785

INSPECT MACHINE

Inspect your machine carefully each day before you start it. (See Pre-Start Inspection chapter.)



92A;T6275AV 02T;05 C26 050286

USE HANDHOLDS AND STEPS

When you get on and off the machine, use handholds and steps.



018;T6192AH T82;8HSA CM 010686

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.

Before starting engine, move transmission gear shift lever to neutral. Move bowl, eject, and elevator levers to neutral. Engage park brake. NEVER start engine while standing on ground. Start engine only from operator's seat.

Do not leave operator's station while engine is running.



92A;TS177 02T;05 C29 130386

OPERATE SCRAPER SAFELY

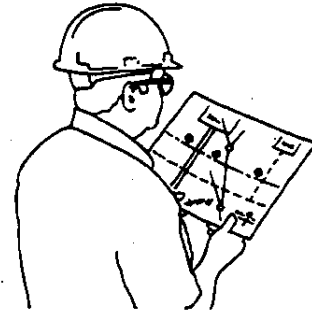
Check the location of cables, gas lines, and water mains before digging.

Keep haul roads smooth and the work area as level as possible.

Slow down before turning, and be sure the path ahead is clear. Do not turn when bowl is in ground.

When cutting or filling on a bank, keep center of bank lower than the sides to keep from tipping the scraper.

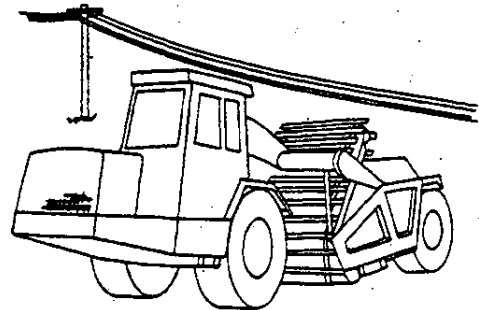
Clear all persons from area of operation and machine movement.



018;T6133AJ 02T;05 C30 050286

AVOID POWER LINES

Keep away from power lines. Serious injury or death may result. Never move any part of the machine or load closer to power line than 10 ft (3 m) plus twice the line insulator length.



92A;T6275AK 02T;05 C31 050286

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.



AB6;TS173 053;RIDER 261184

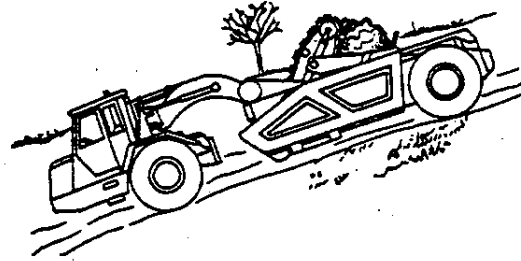
DRIVE SCRAPER SAFELY

Drive carefully:

- Where room is limited
- Over rough surfaces
- On curves and hillsides

When driving a loaded scraper on a steep hillside:

- Drive slowly
- Watch for load shifting so you do not tip
- Keep scraper in gear
- Use brakes to keep engine speed under 2500 rpm



Use accessory lights and safety devices to warn operators of other vehicles.

Where flashing lights are prohibited, disconnect warning light flasher. If required, equip your machine with a slow moving vehicle emblem.

Keep bowl as low as ground condition will allow when hauling a load. Make sure your path ahead is clear.

Do not coast.

Do not haul more than safe limits of your machine—40,000 lb (18 140 kg)

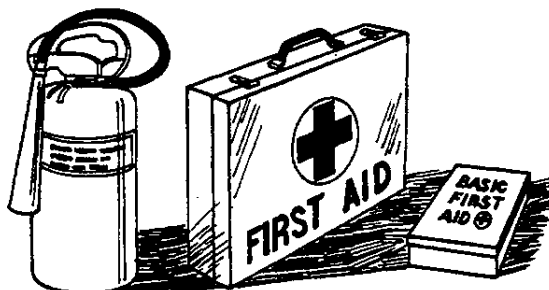
92A:T6275AL 02T:05 C32 050286

PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguishers handy.

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



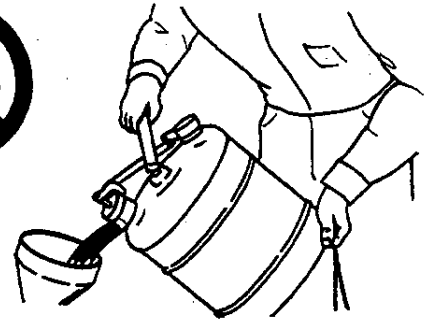
AB6:TS186 053:FIRE2 080785

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.



AB6;TS185 053;FIRE1 240785

HANDLE STARTING FLUID SAFELY

Starting fluid is highly flammable.

Keep all sparks and flame away when using it. 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.



AB6;T6089A U 053;FIRE3 080785

CLEAN TRASH FROM MACHINE

Wait until engine has cooled before removing trash from areas such as engine, radiator, batteries, hydraulic lines, fuel tank, and operator's station.

Temperature in engine compartment may go up immediately after engine is stopped. BE ON GUARD FOR FIRES DURING THIS PERIOD.

Open engine service doors to cool engine faster. While engine cools, clean trash from other areas.



018;T86512 02T;05 C35 050286

SERVICE BATTERIES SAFELY

Provide adequate ventilation when charging batteries.

Disconnect the negative (—) battery cable before you charge battery in the unit.

Do not check battery charge by placing metal objects across the posts.

Do not allow sparks or open flame near batteries. Do not smoke near battery.

02T;05 C36 050286

PREVENT BATTERY EXPLOSIONS

Battery gas can explode. Keep sparks and flames away from batteries. Use a flashlight to check battery electrolyte level.

Never check battery charge by placing a metal object across the posts. Use a voltmeter or hydrometer.

Always remove grounded (-) battery clamp first and replace it last.



AB6;TS181 053;EXPLO 180485

AVOID ACID BURNS

Sulfuric acid in battery electrolyte is poisonous. It is strong enough to burn skin, eat holes in clothing, and cause blindness if splashed into eyes.

Avoid the hazard by:

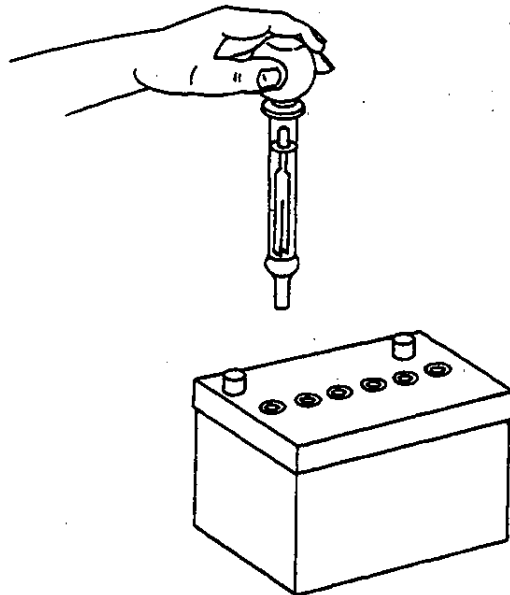
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.

If you spill acid on yourself:

1. Flush your skin with water.
2. Apply baking soda or lime to help neutralize the acid.
3. Flush your eyes with water for 10-15 minutes. Get medical attention immediately.

If acid is swallowed:

1. Drink large amounts of water or milk.
2. Then drink milk of magnesia, beaten eggs, or vegetable oil.
3. Get medical attention immediately.

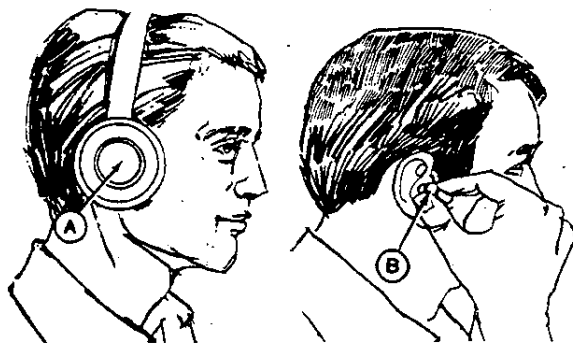


AB6;TS182 053;ACID 180485

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 uncomfortable loud noises.

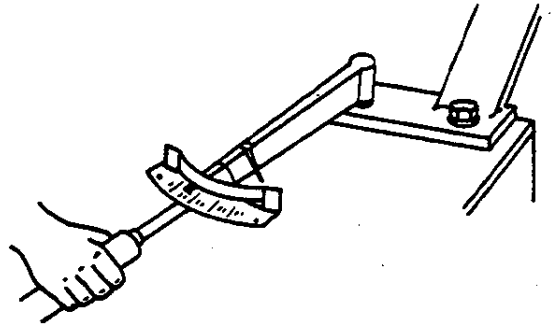


AB6;X7662 053;NOISE 150584

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.

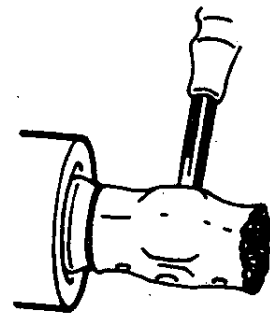
The protection offered by ROPS will be impaired if ROPS is subjected to structural damage, is involved in an overturn incident, or is in any way altered by welding, bending, drilling, or cutting. A damaged ROPS should be replaced, not reused.



AB6;TS176 053;ROPS3 280186

PROTECT AGAINST FLYING DEBRIS

When you drive connecting pins in or out, guard against injury from flying pieces of metal or debris; wear goggles or safety glasses.

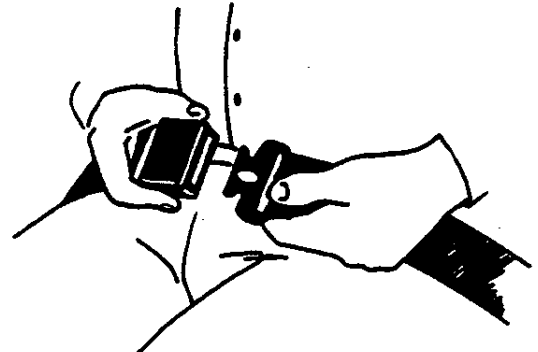


018;T6073AP T82;FLSA AB 130485

USE SEAT BELT PROPERLY

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

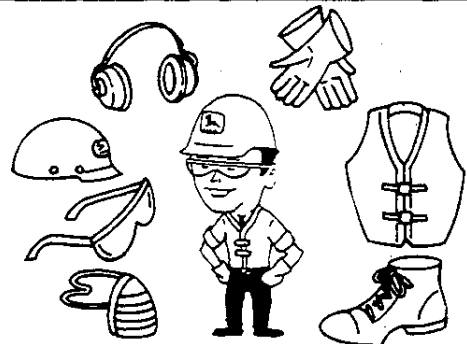
Do not use a seat belt if operating without a ROPS.



AB6;TS175 053;ROPS1 261184

WEAR PROTECTIVE CLOTHING

Wear fairly tight clothing. and safety equipment.



AB6;T85056 053;WEAR1 080785

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.

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.



AB6;X9811 053;FLUID 100584

SERVICE SCRAPER SAFELY

Be sure the service is approved and that you understand the procedure before you work on the machine.

Never operate the machine if an unsafe condition exists. Put a "DO NOT OPERATE" tag on the steering wheel.

Do not run the engine while you work on the machine unless the procedure is approved.

Never lubricate or work on the machine while it is moving.

ALWAYS USE TWO PEOPLE when making checks with the engine running. The operator must be at the controls and able to see the person doing the checking.

Keep hands, feet, and clothing away from moving parts.

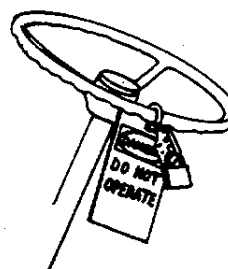
Disconnect battery ground cable (—) before welding on the machine or making adjustments to the engine or electrical system.

Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

Before servicing:

1. Lower bowl to the ground.
2. Move transmission gear shift lever to neutral.
3. Move bowl, eject, and elevator levers to neutral.
4. Engage park brake.
5. Stop engine. Suspension axle lever (if equipped) must be in the locked down position.
6. Turn steering wheel back and forth until tractor does not move to release hydraulic pressure.

After servicing hydraulic system, be sure to tighten all fittings.



018;T6133AH 02T;05 C37 120386



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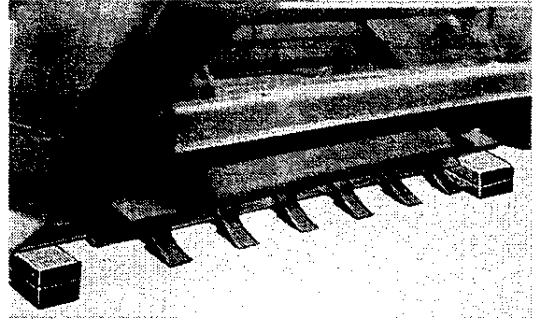
Thank you so much for reading

SUPPORT RAISED EQUIPMENT

Place a support under all raised equipment.

If a support is not available, lower equipment to the ground.

Do not work under a raised bowl. Lower bowl to the ground or onto blocks.



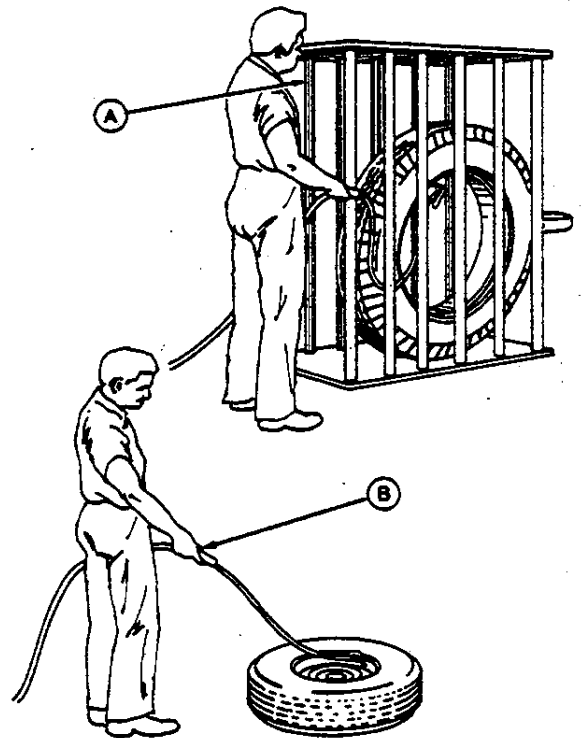
92A;T6275AJ 02T;05 C39 050286

SERVICE TIRES SAFELY

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 repair service.

Detailed 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.

- A—Use a Safety Cage if Available
- B—Do Not Stand Over Tire—Use a Clip-on Chuck and Extension Hose

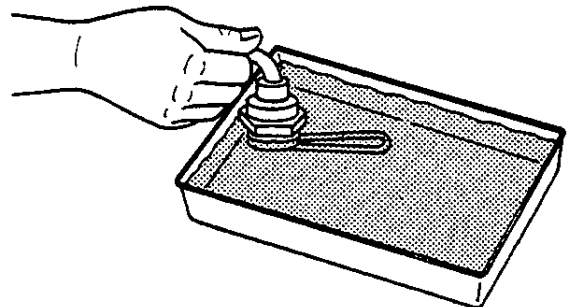


AB6;TS0123 053;TIRE2 110584

TEST COOLANT HEATER IN LIQUID ONLY

Do not plug coolant heater into electrical power unless heating element is immersed in coolant. Sheath could burst and result in personal injury.

Use a heavy-duty grounded cord to connect coolant heater to electrical power.



AB6;TS174 053;HEAT 110584

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