

655, 755, and 855 Tractors

John Deere Horicon Works

OMM79644 Issue B9

machines up to Serial No. (Serial No. 615,001-

))

LITHO IN U.S.A.
ENGLISH

Introduction

THANK YOU for purchasing a John Deere product.

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 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.



M39547
-UN-29AUG88

MX,IFC,79644 -19-06FEB89

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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.

OMM79644 B9-19-11DEC89

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A John Deere ILLUSTRATION™ Manual

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Predelivery Checklist

DEALER'S RECORD

Owner's Name _____

Address _____

City _____

State _____ Zip _____

Date Sold _____

Skid-Steer Loader _____

Product Identification Number _____

Engine Serial Number _____

MX,DCDF,A -19-06FEB89

Predelivery Checklist

PREDELIVERY CHECKLIST

Check the following before you deliver the loader to the customer.

- 1. Guards and shields fastened in place.
- 2. Decals in place and legible.
- 3. Tire pressure.
- 4. Lubrication points
- 5. Transmission oil level.
- 6. Engine oil level.
- 7. Radiator coolant level.
- 8. Air cleaner.
- 9. Battery terminal cover fastened over positive (+) terminal.
- 10. Battery electrolyte level.
- 11. Battery charge.
- 12. Add fuel. Start engine. Test drive.
- 13. Service-park brake pedal, speed control pedals, and safety switch functions.
- 14. Steering.
- 15. Brakes.
- 16. Controls operate correctly.
- 17. Optional ballast required.
- 18. Touch up any scratches in tractor finish.
- 19. Clean and polish tractor.

Date Set Up

Signature

M21,DCDF,B -19-16JUL86

Predelivery Checklist

DELIVERY CHECKLIST

Review the operator's manual with the customer.
Explain the following:

- 1. John Deere warranty.
- 2. Safe operation and service.
- 3. How to use controls.
- 4. Operating the machine correctly.
- 5. Transporting the tractor on a trailer.
- 6. Correct fuel and lubricants.
- 7. Daily and periodic inspections.
- 8. Changing engine oil and filter after first 50 hours of operation.
- 9. Servicing the tractor regularly and correctly.
- 10. Using correct ballast.
- 11. Storing the tractor correctly.
- 12. John Deere parts and service.
- 13. Have the customer record serial numbers in the Specifications section.
- 12. Remove and file this page.
- 13. Give the customer the operator's manual. Encourage the customer to read the manual.

Date Set Up

Signature

MX,DCDF,C -19-30SEP85

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.



O53,ALERT -19-16JUN87

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.

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

-19-30SEP88

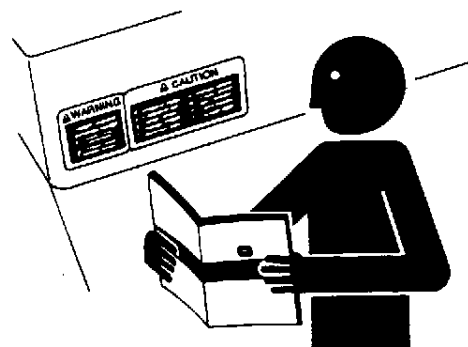
TS187

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.

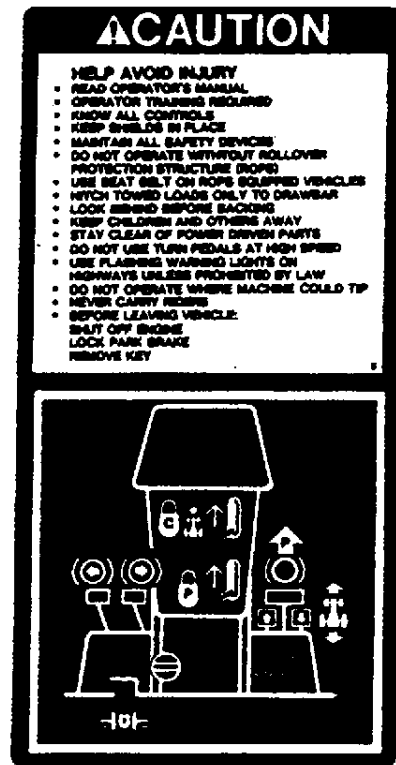
Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.



O53,READ -19-23APR87

-UN-23AUG88

TS201



Platform Safety Sign-Operator's Platform

MX,SADF,A -19-06FEB89

M39755 -19-28FEB89



PTO Safety Sign-Rear PTO Master Shield

MX,SADF,B -19-06FEB89

M39567 -19-28FEB89

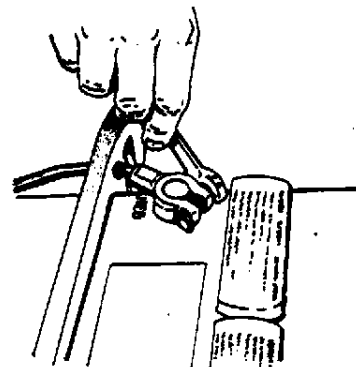
SERVICE TRACTOR SAFELY

Disconnect battery ground cable (—) before servicing if starting engine could possibly injure operator.

Do not smoke or allow an open flame around fuel or battery.

Use support stands when working under the tractor.,

Fix damage immediately. Replace worn or broken parts.



MX,SADF,C -19-06FEB89

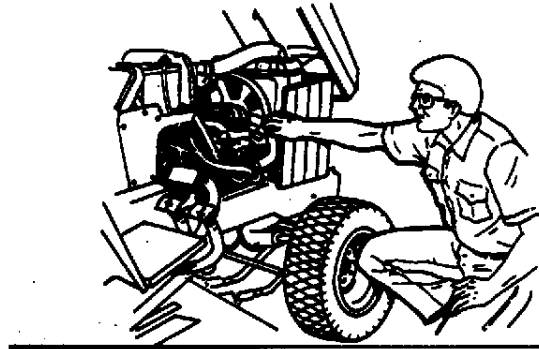
M34435 -JUN-07/SEP88



Before working on any part of the engine, stop the engine, and let it cool down. Hot engine components can burn skin on contact.

Never run engine unless park brake is engaged.

Be careful to prevent clothing, jewelry, or long hair from getting caught in the fan blades, drive belts, or any other moving engine parts.



MX,SADF,D -19-06FEB89

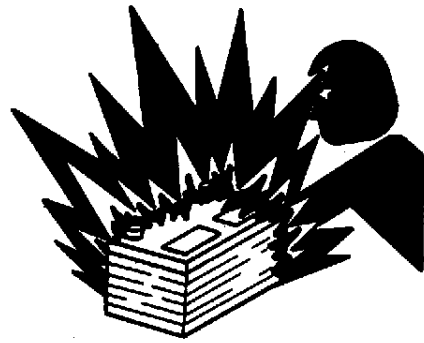
M39683 -UN-09SEP88

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.



MX,SADF,E -19-06FEB89

TS204 -UN-23AUG88



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:

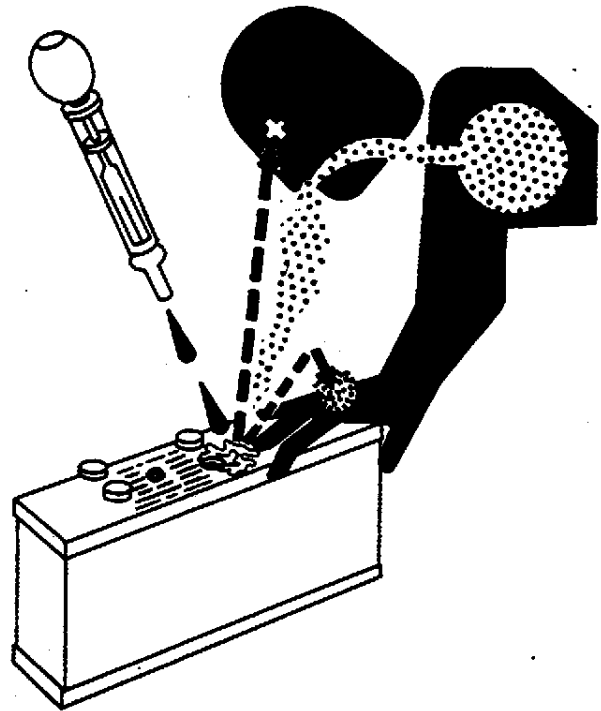
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

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.



-UN-23AUG88

T5203

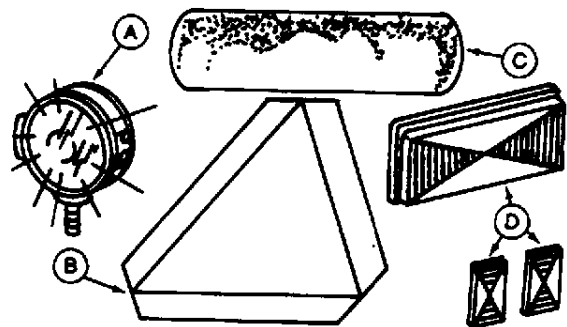
MX,SADF,F -19-06FEB89

USE SAFETY LIGHTS AND DEVICES

Use of flashing warning lights and turn signals are recommended when towing this equipment on public roads unless prohibited by state or local regulations. An implement safety lighting kit is available from your 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



-UN-10FEB89

N36564

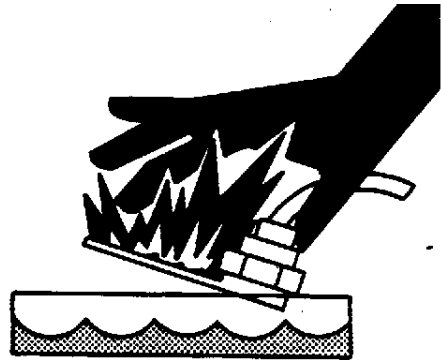
O53,FLASH -19-11OCT85



TEST COOLANT HEATER IN LIQUID ONLY

Only plug coolant heater into electrical power if 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.



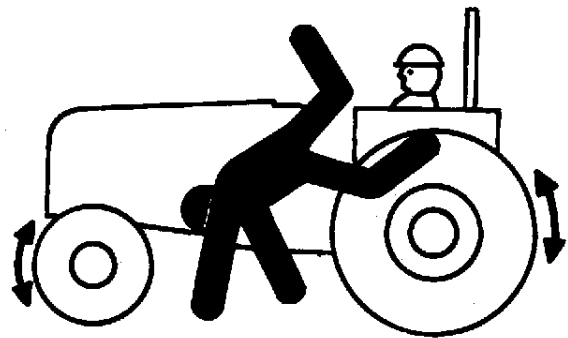
MX,SADF,G -19-06FEB89

TS210 -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.



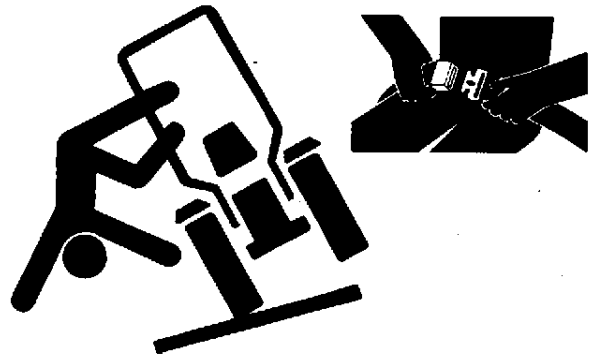
O53,RIDER -19-03MAY88

TS290 -UN-23AUG88

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.



O53,ROPS1 -19-23APR87

TS205 -UN-23AUG88



SERVICE TIRES SAFELY

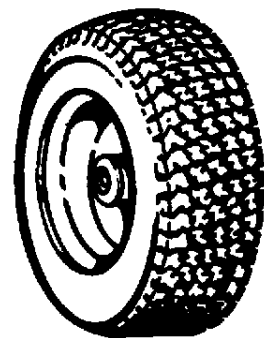
Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your John Deere dealer or a qualified tire repair service.

When sealing tire beads or rims, never exceed 35 psi (241 kPa) (2.4 bar) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended pressure is reached, deflate, reposition tire, relubricate bead and reinflate.

Detailed tire mounting instruction, 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.



M34163 -UN-25AUG88



M34164 -UN-25AUG88

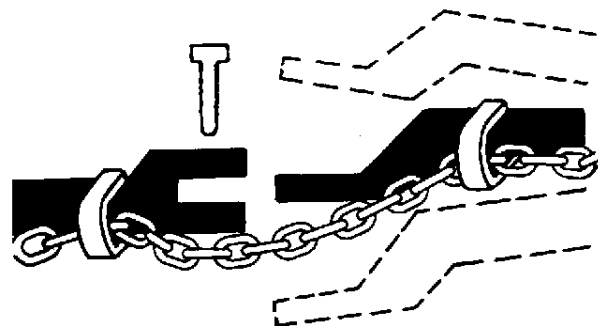
MX,SADF,H -19-06FEB89

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



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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.



O53_FIRE1 -19-23APR87

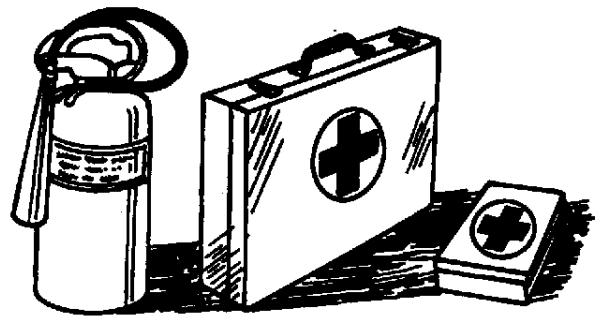
TS202 -UN-23AUG88

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.



O53_FIRE2 -19-03MAR88

TS291 -UN-23AUG88

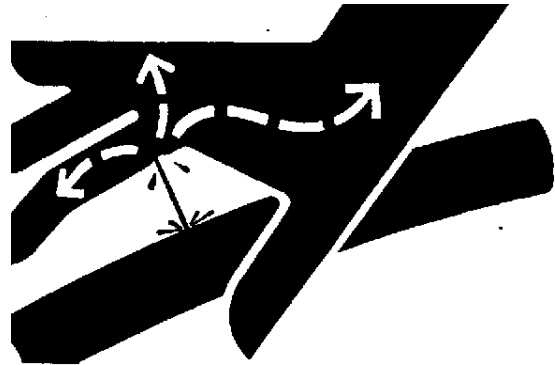
AVOID HIGH-PRESSURE FLUIDS

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 may call the Deere & Company Medical Department in Moline, Illinois, or other knowledgeable medical source.



O53_FLUID -19-01DEC88

X9811 -UN-23AUG88

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