

# **755, 855, and 955 Tractors**

(Serial No. 100001 - )

**John Deere Horicon Works**  
**OMM95303 Issue I0**  
(Mark old manual OMM92614 H9 for  
machines up to Serial No. 099999.)

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

# Contents

	Page		Page
<b>Safety</b> .....	1	<b>Service/50-Hours or Weekly</b> .....	69
<b>Controls</b> .....	12	<b>Service/200-Hours</b> .....	75
<b>Prestarting Checks</b> .....	15	<b>Service/500 Hours</b> .....	82
<b>Operating Engine</b> .....	16	<b>Service/Every 2 Years</b> .....	92
<b>Operating Tractor</b> .....	21	<b>Service/As Necessary</b> .....	96
Adjusting Seat .....	22	<b>Troubleshooting</b> .....	115
Driving Tractor .....	22	<b>Storage</b> .....	120
Using Cruise Control .....	24	<b>Attachments</b> .....	122
Operating Differential Lock .....	25	<b>Crime Prevention Tips</b> .....	123
Using Turn Brake Pedals .....	26	<b>Assembly</b> .....	125
Operating Optional Front Wheel Drive .....	26	<b>Specifications</b> .....	138
Using PTO (Power-Take-Off) .....	27	<b>Index</b>	
Using Rockshaft Control Lever .....	29		
Using Speed of Drop/Lock Valve .....	30		
Using Optional (SCV) Selective Control Valve .....	30		
Using Lights .....	31		
Using Mower Depth Control .....	31		
Stopping Tractor .....	32		
Indicator Lights .....	32		
Using Weights .....	33		
Selecting Tire Tread Width .....	35		
Adjusting Wheel Spacing .....	40		
Using Hitch .....	41		
<b>Transporting</b> .....	44		
<b>Fuel and Lubricants</b> .....	48		
<b>Service</b> .....	54		
Service Interval Chart .....	57		
<b>Service/Break-In</b> .....	58		
<b>Service/10-Hours or Daily</b>			

*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.*

OMM95303 10-19-17JUL90

COPYRIGHT© 1990  
DEERE & COMPANY  
Moline, Illinois  
All rights reserved  
A John Deere ILLUSTRATION™ Manual  
Previous Editions  
Copyright 1989, 1987, 1986 Deere & Company

## *Contents*

# 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 -19-04JUN90

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 -19-04JUN90

TS187 -19-30SEP88

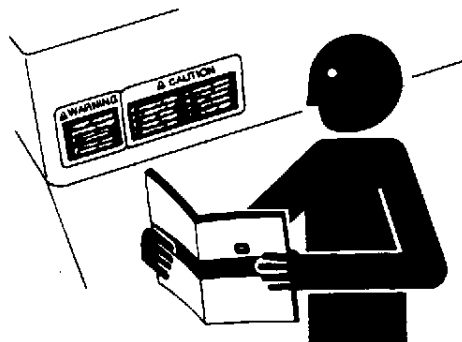
## FOLLOW SAFETY INSTRUCTIONS

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 -19-04JUN90

TS201 -UN-23AUG88

# P

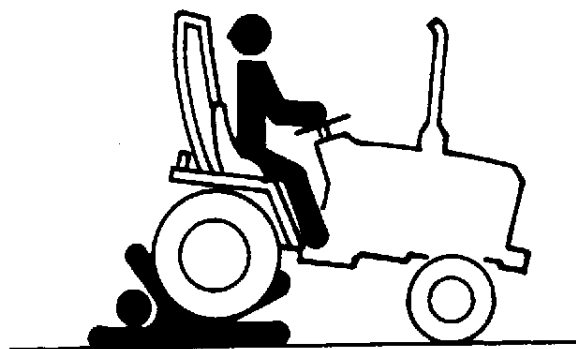
## PROTECT CHILDREN AND BYSTANDERS

Keep children and bystanders away when you operate tractor.

BEFORE YOU BACK UP:

- STOP PTO.
- Look behind tractor for bystanders.

Do not let children operate tractor.



MX,SAY,A -19-17JUL90

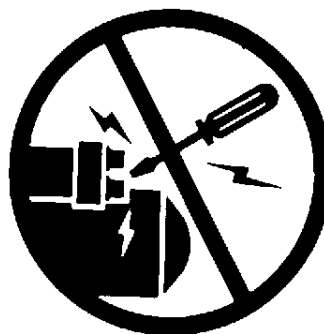
M61505 -UN-26SEP88

## 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.



DX,BYPAS1 -19-04JUN90

TS177 -UN-11JAN89

## 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.



DX,ROPS1 -19-04JUN90

TS205 -UN-23AUG88

# P

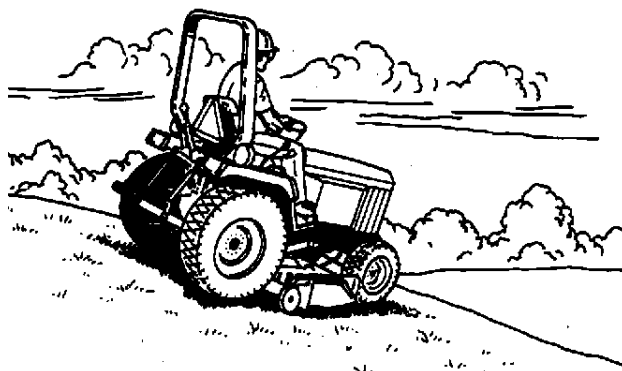
## OPERATE SAFELY ON SLOPES

To prevent tipping or losing control of tractor, slow down and be careful when you drive on slopes or make a sharp turn. Be careful when you change directions on a slope. DO NOT start suddenly as you drive up or down a slope. If engine stops as you drive up a slope:

- Shut off PTO.
- Back down slowly.

Operate up and down a slope—not across.

Use extra caution when operating with MFWD. MFWD increases traction and increases possibility of a tip over.



M39681 -UN-09SEP88

MX,SAY,B -19-17JUL90

## AVOID TIPPING

Do not drive where machine could slip or tip.

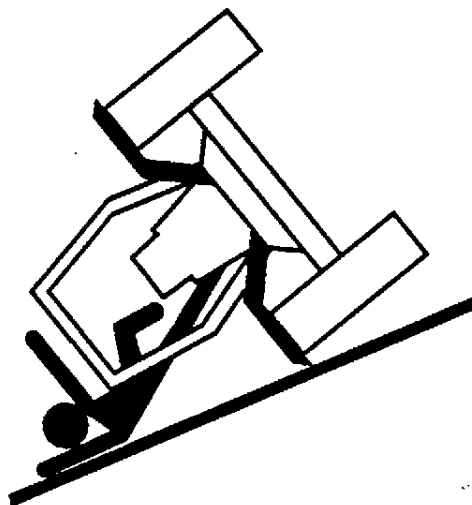
Stay alert for holes, rocks, roots in the terrain, and other hidden hazards. Keep away from drop-offs.

Slow down before you make a sharp turn. Do not apply turn brake pedal at high speeds.

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

Use care when pulling loads or using heavy equipment. Use counterweights or wheel weights suggested in this operator's manual.

Do not turn on slopes and hills with differential lock engaged.



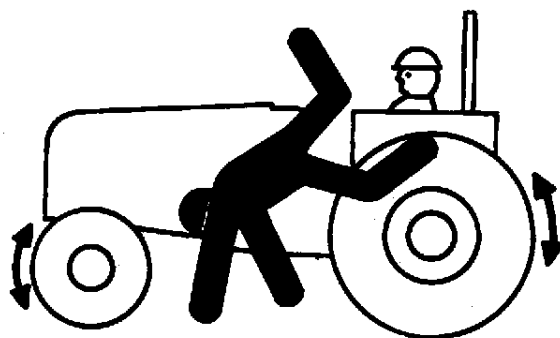
M61727 -UN-04OCT88

MX,SAY,C -19-17JUL90

## 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 -19-04JUN90

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 -19-04JUN90

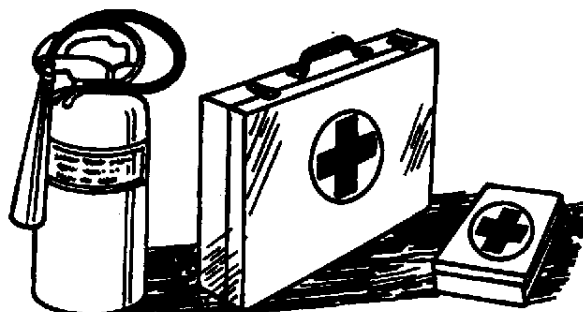
TS202 -UN-23AUG88

## 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 -19-04JUN90

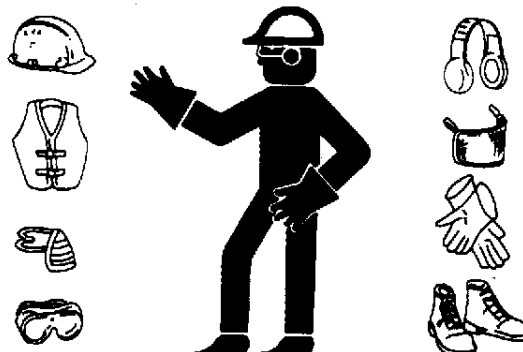
TS291 -UN-23AUG88

## WEAR PROTECTIVE CLOTHING

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

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,WEAR -19-04JUN90

TS206 -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.



DX,PTO -19-04JUN90

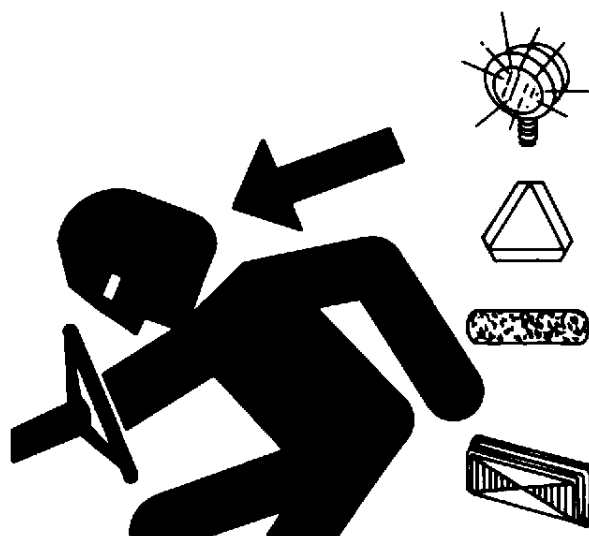
TS198 -UN-23AUG88

## USE SAFETY LIGHTS AND DEVICES

Slow moving tractors, self-propelled equipment and towed implements or attachments can create a hazard when driven on public roads. They are difficult to see, especially at night. Avoid personal injury or death resulting from collision with a vehicle.

Flashing warning lights and turn signals are recommended whenever driving on public roads. To increase visibility, use the lights and devices provided with your machine. For some equipment, install extra flashing warning lights.

Keep safety items in good condition. Replace missing or damaged items. An implement safety lighting kit is available from your John Deere dealer.



DX,FLASH -19-04JUN90

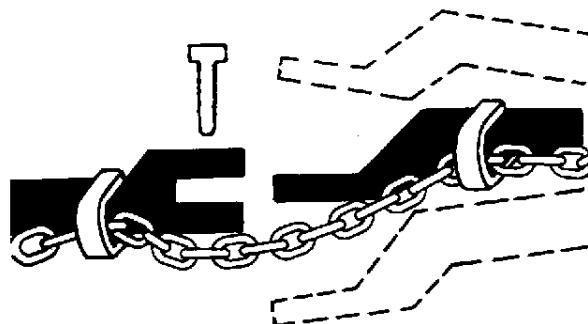
TS951 -UN-12APR90

## 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.



DX,CHAIN -19-04JUN90

TS217 -UN-23AUG88

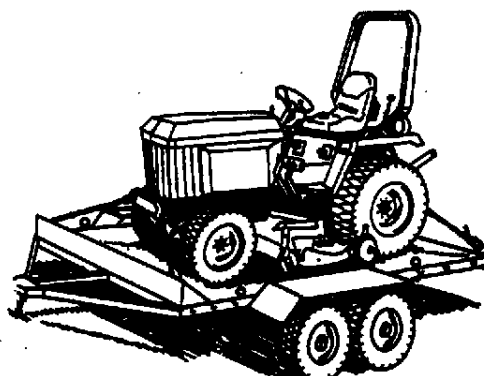
## TRANSPORT TRACTOR SAFELY

Use a heavy duty trailer to transport tractor.

Do not pull tractor behind any other vehicle.

Be sure trailer has all necessary lights and signs required by local, state, provincial, or federal laws.

Fasten tractor to trailer with straps, chains, or cables.



MX,SAY,C1 -19-17JUL90

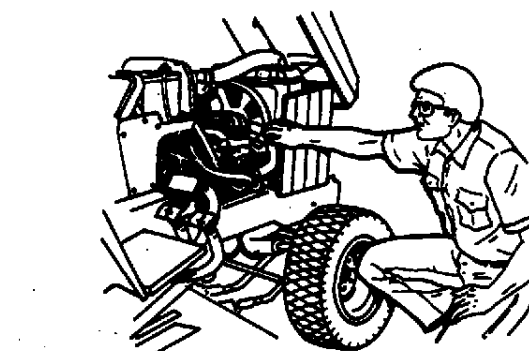
M39682 -UN-09SEP88

## SERVICE ENGINE SAFELY

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

Never run engine unless park brake is engaged.

Prevent clothing, jewelry, or long hair from getting caught in fan blades, drive belts, or any other moving engine parts.



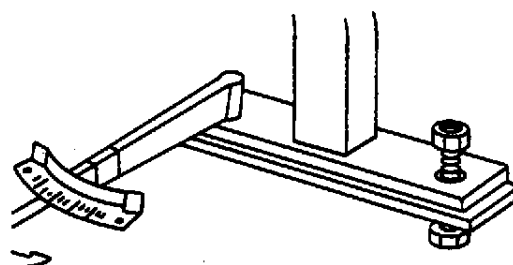
MX,SAY,D -19-25MAY90

M39683 -UN-09SEP88

## 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.



DX,ROPS3 -19-04JUN90

TS212 -UN-23AUG88

**Thank you very much  
for your reading.**

**Please click here and go  
back to the website.**

**Then, you can  
download the complete  
manual instantly.**

**No waiting.**