

8110, 8210, 8310, and 8410 Tractors (Serial No. 10,001-)



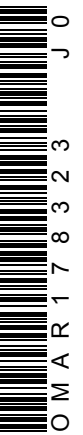
JOHN DEERE

OPERATORS MANUAL 8110, 8210, 8310, and 8410 Tractors (Serial No. 10,001-)

OMAR178323 Issue J0 English

John Deere Waterloo Works
OMAR178323 Issue J0
North American Edition

LITHO IN U.S.A.
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 and safety signs on your machine may also be available in other languages. (See your John Deere Dealer to order.)

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 given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction of forward travel.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Specification or Identification 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. 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.

CALIFORNIA PROPOSITION 65 WARNING

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

WARNING: Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. **Wash hands after handling.**

AG,RX15494,2605 -19-22AUG00-1/2

Introduction



RW27034 -UN-26AUG00

AG,RX15494,2605 -19-22AUG00-2/2

Quick Reference Specifications

CAPACITIES (Approximate):

Fuel Tank 511 L (135 gal)

Cooling System 34 L (9 gal)

Crankcase with Filter:

.. 8110 21.5 L (22.7 qt)

.. 8210 23.5 L (24.8 qt)

.. 8310 25 L (26.4 qt)

.. 8410 27 L (28.5 qt)

Transmission-Hydraulic System 140 L (148 qt)

MFWD:

.. Differential 13.6 L (14.2 qt)

.. Wheel Hubs 3.4 L (3.6 qt)

ROUTINE MAINTENANCE PARTS:

Filters:

Engine:

.. Oil Filter RE57394

.. Fuel Pre-Filter AR103220

.. Fuel Primary Filter RE65431

.. Fuel Secondary Filter AR86745

.. Air Primary Filter RE51629

.. Air Secondary Filter RE51630

Cab:

.. Cab Air Filter R119168

.. Cab Recirculation Air Filter RE70742

Transmission-Hydraulic Filter RE152658

Belts:

.. A/C Compressor R124785

.. Fan Drive R131213

Batteries TY6128

* See Specifications Section for Additional Capacities

Contents

	Page		Page
Safety	05-1	Break-In Period	
Safety Signs	10-1	Break-In	30-1
		Engine	30-1
Controls and Instruments		Operating the Engine	
Front Console	15-1	Engine Operation	35-1
Corner Post Display	15-2	Cold Weather Starting	35-3
Side Console	15-3	Auxiliary Heaters	35-5
Armrest Controls	15-4	Battery Booster or Charger	35-6
Vehicle Monitor	15-5	Operating the Tractor	
Changing Display Functions	15-8	Avoid Pesticides	40-1
Calibrating Tire Size	15-10	Transmission-Hydraulic System Warm-Up	40-2
Calibrating Radar	15-11	Seat Belts	40-3
Performance Monitor	15-12	Instructional Seat	40-3
		Transmission Operation	40-4
Lights		Transmission Shifting	40-5
Lights	20-1	Automatic Powershift (APS)	40-7
Turn Signals, Horn, and High/Low Beam	20-2	Transmission Service Codes	40-8
Delayed Egress Lighting	20-2	Transmission Disabled Mode	40-9
Hazard Lights	20-2	Mechanical Front-Wheel Drive	40-10
Beacon Light	20-3	Differential Lock	40-10
Extremity Warning Lights	20-4	Brakes	40-11
Seven-Terminal Outlet	20-4	Field Cruise	40-11
		Implement Management System	
Operator Station		Description	45-1
Seat	25-1	Display Codes	45-2
Armrest Control	25-2	Functions	45-3
Air Flow and Temperature	25-2	Operation	45-6
Windshield Wipers/Washer	25-5	Hitch	
Steering Wheel	25-6	Components	50-1
Radio	25-7	Controls	50-2
Cassette Player	25-10	Hitch Conversion	50-2
Compact Disc Player	25-11	Control Lever and Raise/Lower Switch	50-3
Clock	25-11	Height Limit	50-4
Field Office	25-12	Rate of Drop	50-4
GreenStar Connections	25-12	External Raise/Lower Switch	50-4
Accessory Electrical Outlets	25-13	Manual Lowering Feature	50-5
Auxiliary Power Strip	25-14	Load Depth Control	50-5
Mobile Radio and Antenna	25-15		
Monitor Mounts	25-17		
Steps and Handrails	25-18		

Continued on next page

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.

COPYRIGHT © 2000
DEERE & COMPANY
Moline, Illinois
All rights reserved
A John Deere ILLUSTRATION® Manual

Contents

	Page		Page
Position Control	50-5	MFWD Tread Settings	80-16
Float Position	50-6	Steering Stops	80-18
Draft Control	50-6	Fenders	80-20
Hitch Slip Command	50-7	Rear Wheel Adjustment	80-21
Sway Blocks	50-8	Adjust Rear Wheels	80-22
Quick Coupler	50-9	Rear Tread Ranges	80-23
Implement Level	50-11	Single Rear-Wheel Tread Settings	80-23
Lateral Float	50-12	Dual Wheels	80-24
Hitch Conversion	50-12	Hub Extensions	80-31
TouchSet Depth/Scraper Control		Transport	
TouchSet Scraper Control	55-1	Road Transportation	85-1
TouchSet Depth Control	55-1	Towing Loads	85-1
 		Towing Tractor	85-4
Hydraulics and Selective Control Valves		Freeing a Mired Machine	85-6
Hydraulic Hoses	60-1	Transporting on Carrier	85-7
SCV Operation	60-3	 	
Operator Presence Sensor	60-11	Fuels, Lubricants, and Coolant	
 		Diesel Fuel	90-1
Remote Hydraulic Connections		Fuel Tank	90-2
Hydraulic Component Identification	65-1	Engine Oil	90-3
Connecting Hydraulic Implements	65-2	Engine Coolant	90-5
Hydraulic Motor Return	65-3	Transmission and Hydraulic Oil	90-8
Power Beyond	65-5	MFWD Axle Housing Oil	90-9
Hydraulic Spray Pumps	65-8	MFWD Wheel Hub Oil	90-10
Implement Connections	65-9	Grease	90-10
 		Lubricants	90-11
Drawbar and PTO		 	
Drawbar	70-1	Maintenance and Service Intervals	
PTO	70-4	Service Intervals	95-1
 		Service Interval Charts	95-2
Performance Ballasting		Front Grille	95-3
Performance Guidelines	75-1	Side Shields	95-4
Ballasting for PTO Horsepower	75-2	Hood	95-5
Controlling Power Hop—MFWD Tractors	75-3	Batteries	95-6
Unballasted Tractor Weight Chart	75-4	High-Pressure Washer	95-7
Maximum Load	75-5	Compressed Air	95-7
Determining Ballast	75-6	 	
Wheel Slip	75-9	General Maintenance and Inspection	
Rear Wheel Weights	75-10	Tires	100-1
Quik-Tatch Weights	75-11	Neutral Start System	100-1
Ballast Worksheet	75-12	Transmission PARK Position	100-1
Implement Codes	75-13	Engine Air Filters	100-2
 		Cab Air Filters	100-4
Wheels, Tires, and Treads		Air Intake System	100-5
Wheel, Tire, and Tread Guidelines	80-1	Engine Compartment	100-5
Tire Inflation Pressures	80-2	Grille Screens, Radiator, and Condenser	100-6
Tire Combinations	80-8	Batteries	100-6
Wheel and Axle Bolts	80-8	Alternator Belt and Tensioner	100-8
Wheel Bolts		Fan Belt and Tensioner	100-9
Rear	80-10	Brakes	100-10
Front Tread Settings	80-11	 	
Front Axle Adjustment	80-13	Continued on next page	

Contents

	Page		Page
Air Conditioner	100-12	Central Control Unit (CCU)	130-2
Seat Belts	100-13	Engine Control Unit (ECU)	130-7
Loose Bolts	100-13	Hitch Control Unit (HCU)	130-10
Lubrication		Instrument Control Unit (ICU)	130-12
Engine Oil and Filter	105-1	Powershift Control Unit (PCU)	130-13
Transmission-Hydraulic Oil and Filter	105-2	Optional SCV Control Unit (SCo)	130-17
Clean Oil Reservoir	105-5	SCV Control Unit (SCU)	130-18
Transmission Filter Screen	105-5	SCV Setup Panel (SUP)	130-19
Hydraulic Oil Suction Screen	105-6	Storage	
Two-Wheel Drive Axle	105-7	Long-Term Storage	135-1
Front Wheel Bearings	105-7	Paint Finish Care	135-2
MFWD Axle and Wheel Hubs	105-8	Specifications	
Three-Point Hitch	105-11	General Specifications	140-1
Rockshaft	105-11	Overall Dimensions	140-3
Draft Link Support Bushing	105-11	Ground Speeds	140-4
Maintenance—Cooling System		Metric Bolt and Cap Screw Torque Values	140-5
Checking Coolant Level	110-1	Unified Inch Bolt and Cap Screw Torque Values	140-6
Testing Coolant	110-1	Limited Battery Warranty	140-7
Draining, Flushing, Refilling	110-2	Identification Numbers	
Maintenance—Fuel System		Identification Plates	145-1
Water Separator	115-1	Serial Number Plates	145-1
Fuel Filter	115-2	Lubrication and Maintenance Records	
Bleeding Fuel System	115-3	Service Records	
Fuel Tank Vent Filter	115-3	250 Hours	150-1
Fuel Tank Sump	115-3	750 Hours	150-1
Maintenance—Electrical System		1500 Hours	150-2
Fuses and Relays	120-1	2000 Hours	150-2
Front Lights	120-4	Annual	150-3
Aiming Head Lights	120-5	Two Years	150-3
Adjusting Front Lights	120-6	Glossary	
Front Lights	120-6	Glossary of Terms	155-1
Warning Lights	120-6	Crime Prevention Tips	
Rear Flood Lights	120-7	Help Prevent Crime	160-1
Tail Lights	120-7	Record Ag Identification Numbers	160-1
Troubleshooting		Keep Proof of Ownership	160-1
Engine	125-1	Park Indoors Out of Sight	160-1
Transmission	125-5	When Parking Outdoors	160-2
Hydraulic System	125-6	Reduce Vandalism	160-2
Brakes	125-7	Report Thefts Immediately	160-3
Hitch	125-8	John Deere Service Literature Available	SLIT-1
Selective Control Valves	125-10	John Deere Service Keeps You On The Job	IBC-1
Scraper Control	125-11		
Electrical System	125-12		
Operator Enclosure	125-14		
Tractor Operation	125-15		
Service Codes			
Armrest Control Unit (ACU)	130-1		

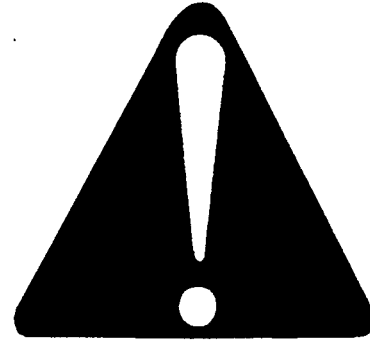
Contents

Safety

Recognize Safety Information

This is a 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 -19-29SEP98-1/1

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 -19-03MAR93-1/1

TS187 -19-30SEP88

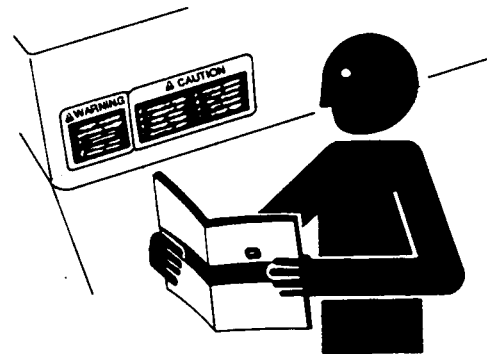
Follow Safety Instructions

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 -19-03MAR93-1/1

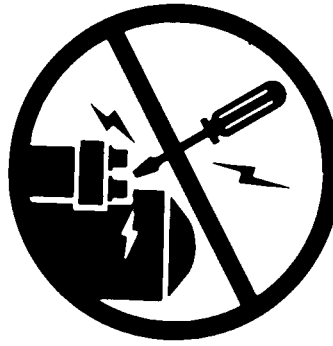
TS201 -UN-23AUG88

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.



TS177 -UN-11JAN89

DX,BYPAS1 -19-29SEP98-1/1

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.

Replace entire seat belt if mounting hardware, buckle, belt, or retractor show signs of damage.

Inspect seat belt and mounting hardware at least once a year. Look for signs of loose hardware or belt damage, such as cuts, fraying, extreme or unusual wear, discoloration, or abrasion. Replace only with replacement parts approved for your machine. See your John Deere Dealer.



TS205 -UN-23AUG88

DX,ROPS1 -19-07JUL99-1/1

Operating the Tractor Safely



TS213 -UN-23AUG88



TS276 -UN-23AUG88

Careless use of the tractor 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 roll-over
- Improper starting procedures
- Crushing and pinching during hitching
- Collisions with other motor vehicles
- Entanglement in PTO shafts
- Falling from tractor

Avoid accidents by taking the following precautions:

Put transmission in PARK before dismounting. Leaving transmission in gear with engine off will NOT prevent the tractor from moving.

Be sure everyone is clear of tractor and attached equipment before starting engine.

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.

Never go near an operating PTO or an operating implement.

Always fasten your seat belt in a ROPS equipped tractor.

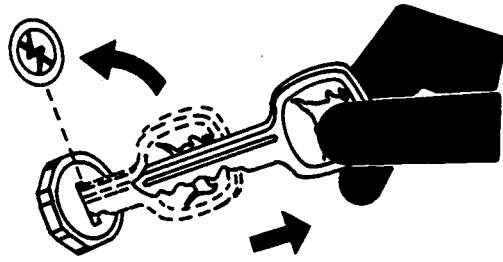
AG,RX15494,2607 -19-27OCT99-1/1

Stopping and Parking Tractor

Tractor roll-over, 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 public roads
- Pull over to side of road before stopping
- Slow down before braking
- Pump brakes when stopping on slippery surfaces
- Be careful when towing and stopping heavy loads
- Shift to PARK or apply parking brake
- Lower all equipment when leaving tractor
- Remove key



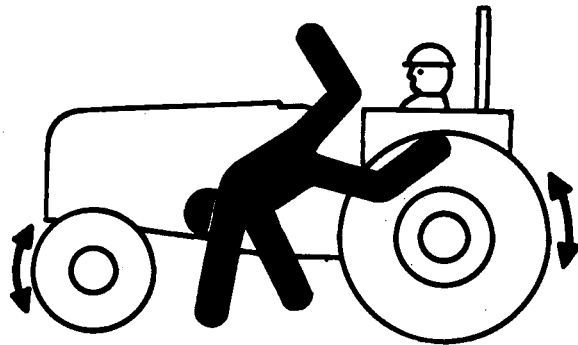
TS230 -UN-24MAY89

AG,RX15494,2608 -19-27OCT99-1/1

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.



TS290 -UN-23AUG88

DX,RIDER -19-03MAR93-1/1

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.



TS202 -UN-23AUG88

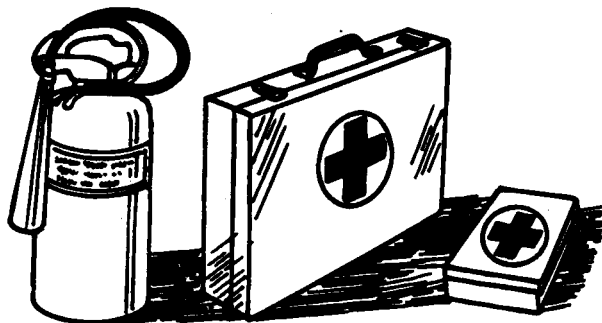
DX,FIRE1 -19-03MAR93-1/1

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.



TS291 -UN-23AUG88

DX,FIRE2 -19-03MAR93-1/1

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.



TS1356 -UN-18MAR92

DX,FIRE3 -19-16APR92-1/1

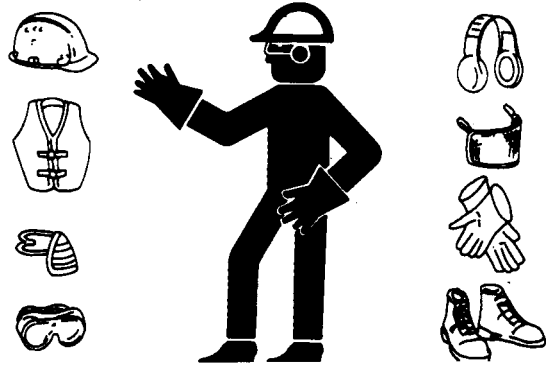
Wear Protective Clothing

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.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.



TS206 -UN-23AUG88

DX,WEAR -19-10SEP90-1/1

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.



TS207 -UN-23AUG88

DX,NOISE -19-03MAR93-1/1

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.)



TS1132 -UN-26NOV90

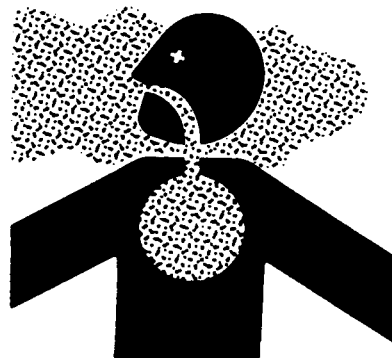
DX,MSDS,NA -19-03MAR93-1/1

Avoid Contact with Pesticides

This enclosed cab does not protect against inhaling harmful pesticides. If pesticide use instructions require respiratory protection, wear an appropriate respirator inside the cab.

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.



TS220 -UN-23AUG88



TS272 -UN-23AUG88

DX,CABS -19-03MAR93-1/1

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.



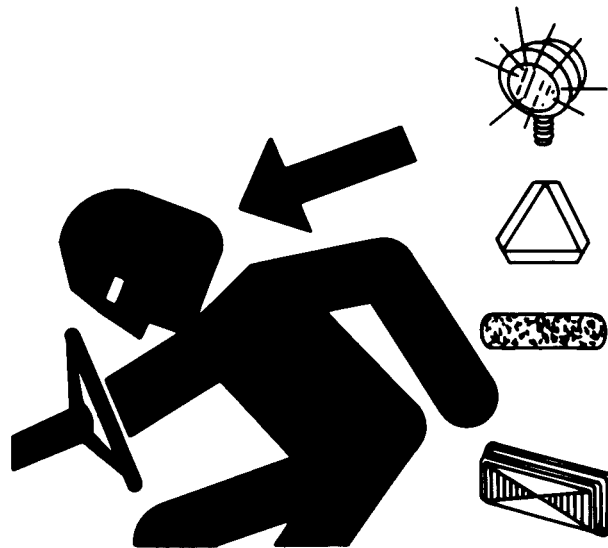
TS1644 -UN-22AUG95

DX,PTO -19-12SEP95-1/1

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 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, clean, 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.



TS951 -UN-12APR90

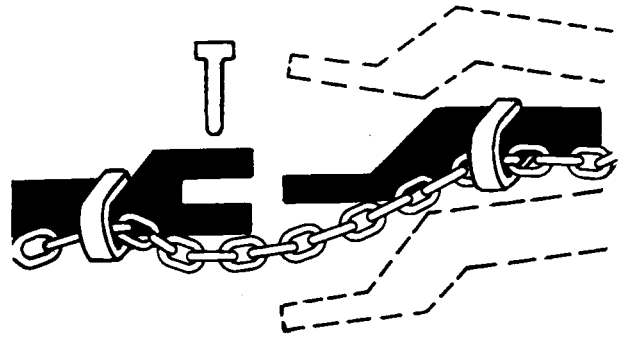
DX,FLASH -19-07JUL99-1/1

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

DX,CHAIN -19-03MAR93-1/1

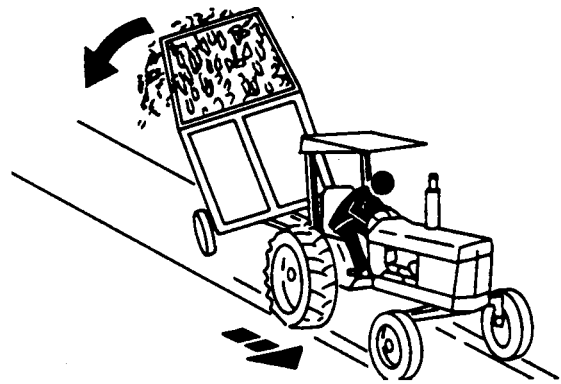
Tow Loads Safely

Stopping distance increases with speed and weight of towed loads, and on slopes. Towed loads with or without brakes that are too heavy for the tractor or are towed too fast can cause loss of control. Consider the total weight of the equipment and its load.

Observe these recommended maximum road speeds, or local speed limits which may be lower:

- If towed equipment does not have brakes, do not travel more than 32 km/h (20 mph) and do not tow loads more than 1.5 times the tractor weight.
- If towed equipment has brakes, do not travel more than 40 km/h (25 mph) and do not tow loads more than 4.5 times the tractor weight.

Ensure the load does not exceed the recommended weight ratio. Add ballast to recommended maximum for tractor, lighten the load, or get a heavier towing unit. The tractor must be heavy and powerful enough with adequate braking power for the towed load. Use additional caution when towing loads under adverse surface conditions, when turning, and on inclines.



TS216 -UN-23AUG88

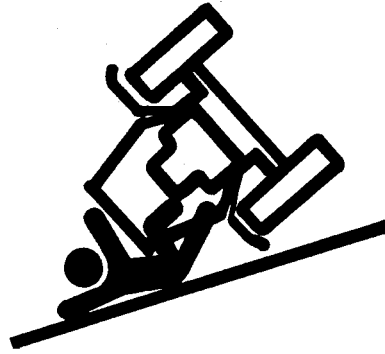
DX,TOW -19-02OCT95-1/1

Use Caution on Hillsides

Avoid holes, ditches, and obstructions which may cause tractor roll-over, especially on hillsides. Avoid sharp turns on hills.

Never drive near the edge of a gully or steep embankment.

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



RW13093 -UN-07DEC88

AG,RX15494,2609 -19-27OCT99-1/1

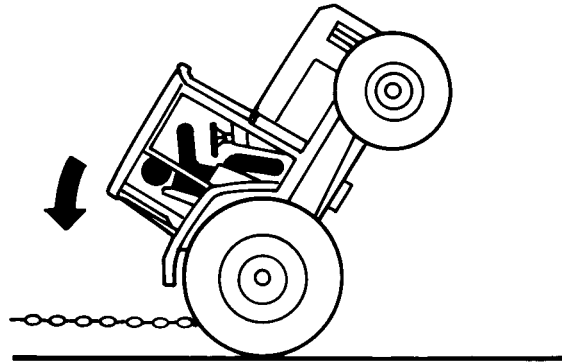
Freeing a Mired Machine

Attempting to free a mired machine can involve safety hazards such as the mired tractor tipping rearward, the towing tractor overturning, and the tow chain or tow bar (a cable is not recommended) failing and recoiling from its stretched condition.

Back your tractor out if it gets mired down in mud. Unhitch any towed implements. Dig mud from behind the rear wheels. Place boards behind the wheels to provide a solid base and try to back out slowly. If necessary, dig mud from the front of all wheels and drive slowly ahead.

If necessary to tow with another unit, use a tow bar or long chain (a cable is not recommended). Inspect the chain for flaws. Make sure all parts of towing devices are of adequate size and strong enough to handle the load.

Always hitch to the rear drawbar of the towing unit. Do not hitch to the front pushbar attachment point. Before moving, clear the area of people. Apply power smoothly to take up the slack: a sudden pull could snap any towing device causing it to whip or recoil dangerously.



TS1645 -UN-15SEP95



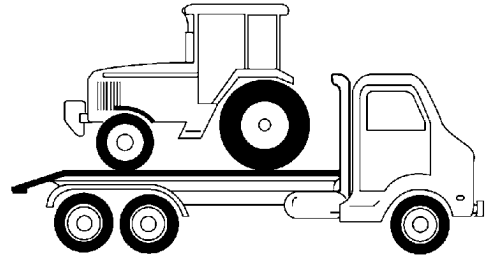
TS263 -UN-23AUG88

DX,MIREM -19-07JUL99-1/1

Transport Tractor Safely

Transport a disabled tractor on a flatbed carrier. Securely chain tractor to carrier.

If towing a tractor, never tow faster than 16 km/h (10 mph) with front or rear wheels raised or faster than 8 km/h (5 mph) with all wheels on the ground. Have an operator steer and brake tractor.



RW26779 -UN-12JAN00

AG,RX15494,2610 -19-27OCT99-1/1

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.



TS281 -UN-23AUG88

DX,RCAP -19-04JUN90-1/1

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.

On self-propelled equipment, disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.

On towed implements, disconnect wiring harnesses from tractor before servicing electrical system components or welding on machine.



TS218 -JUN-23AUG88

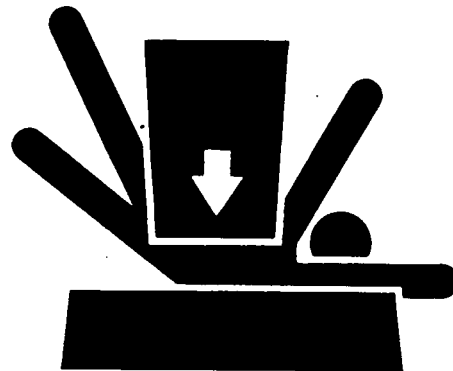
DX,SERV -19-17FEB99-1/1

Support Machine Properly

Always lower the attachment or implement to the ground before you work on the machine. If you must work on a lifted machine or attachment, securely support the machine or attachment. If left in a raised position, hydraulically supported devices can settle or leak down.

Do not support the machine on cinder blocks, hollow tiles, or props that may crumble under continuous load. Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.

When implements or attachments are used with a tractor, always follow safety precautions listed in the implement operator's manual.



TS229 -JUN-23AUG88

DX,LOWER -19-17FEB99-1/1

Remove Paint Before Welding or Heating

Avoid potentially toxic fumes and dust.

Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.

Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

Remove paint before welding or heating:

- If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
- If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.



TS220 -UN-23AUG88

DX,PAINT -19-03MAR93-1/1

Avoid Heating Near Pressurized Fluid Lines

Flammable spray can be generated by heating near pressurized fluid lines, resulting in severe burns to yourself and bystanders. Do not heat by welding, soldering, or using a torch near pressurized fluid lines or other flammable materials. Pressurized lines can be accidentally cut when heat goes beyond the immediate flame area.



TS953 -UN-15MAY90

DX,TORCH -19-03MAR93-1/1

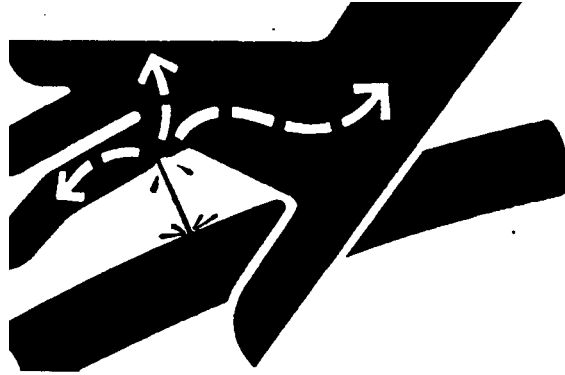
Avoid High-Pressure Fluids

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.



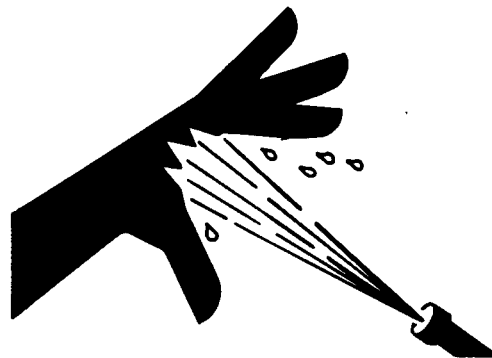
X9811 -UN-23AUG88

DX,FLUID -19-03MAR93-1/1

Protect Against High Pressure Spray

Spray from high pressure nozzles can penetrate the skin and cause serious injury. Keep spray from contacting hands or body.

If an accident occurs, see a doctor immediately. Any high pressure spray 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.



TS1343 -UN-18MAR92

DX,SPRAY -19-16APR92-1/1

Handling Batteries Safely



CAUTION: 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.



CAUTION: 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.

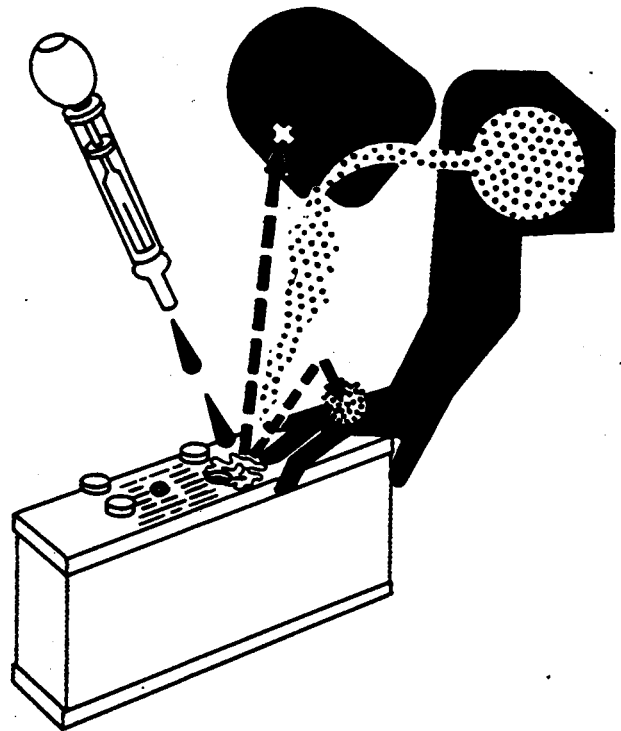
If you spill acid on yourself:

1. Flush your skin with water.
2. Apply baking soda or lime to help neutralize the acid.
3. Flush your eyes with water for 15—30 minutes. Get medical attention immediately.

If acid is swallowed:

1. Do not induce vomiting.
2. Drink large amounts of water or milk, but do not exceed 2 L (2 quarts).
3. Get medical attention immediately.

WARNING: Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. **Wash hands after handling.**



TS204 -UN-23AUG88

TS203 -UN-23AUG88

Dispose of Waste Properly

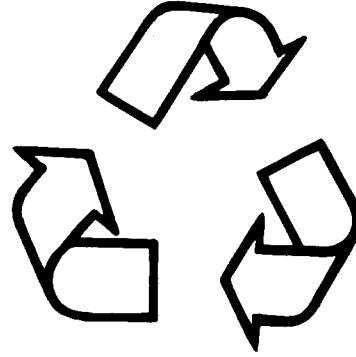
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

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 -JUN-26NOV90

DX,DRAIN -19-03MAR93-1/1

Safety Signs

Replace Damaged or Missing Safety Signs

IMPORTANT: Install new safety signs if old signs are damaged, lost or can not be read. Install a new safety sign when replacing any new part that previously had a safety sign.

Keep safety signs clean and in good condition. Replacement signs are available. See your John Deere Dealer.

AG,RX15494,2611 -19-27OCT99-1/1

Prevent Machine Runaway



RW26649 -UN-23OCT99



RW26983 -19-14JUN00

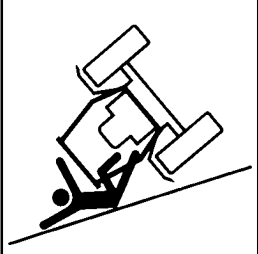
AG,RX15494,2612 -19-27OCT99-1/1

Use Seat Belt—Do Not Modify ROPS




RW26418 -JUN-29JUL99

⚠ WARNING



AVOID CRUSHING:
• Do not jump if machine tips.



USE SEAT BELT

- Pull belt fully from retractors and adjust for best protection.

To maintain unimpaired operator protection and manufacturer's ROPS certification:

- Damaged ROPS structures must be replaced, not repaired or revised.
- Any alteration to the ROPS must be approved by the manufacturer.

RW26064 -19-13APR99

AG,RX15494,2613 -19-27OCT99-1/1

Use Instructional Seat Correctly



RW27038 -UN-18AUG00

⚠ CAUTION

This Instructional seat has been provided only for training operators or diagnosing machine problems.

Keep all other riders off the tractor and equipment.

Always wear your seat belt.

RW27039 -19-21AUG00

AG,RX15494,3868 -19-19AUG00-1/1

Operate Tractor Safely



RW26418 -JUN-29JUL99

CAUTION

1. Read Operator's Manual before operating this tractor.
2. Keep all shields in place.
3. Hitch towed loads only to drawbar to avoid rearward upset.
4. Make certain everyone is clear of machine before starting engine or operation.
5. Keep all riders off tractor and equipment.
6. Keep hands, feet and clothing away from power-driven parts.
7. Reduce speed when turning or operating around hazards on rough ground or steep slopes.
8. Use flashing warning lights on highway unless prohibited by law.
9. Stop engine, lower implement to ground and shift to "PARK" or set handbrake securely before dismounting.
10. Wait for all movement to stop before servicing machinery.
11. Remove key if leaving tractor unattended.

RW26079 -19-12MAY99

AG,RX15494,2614 -19-27OCT99-1/1

Fasten Implement Securely



FW55203 -UN-01AUG94

⚠ CAUTION

Improper attachment can allow implement to be pulled over the tractor wheel and onto the operator station.
Read and follow all instructions in operator's manual before using hitch.
Use control levers to fully engage both locking lugs over lower implement pins.
Secure draft link attaching pins by tightening retainer bolts to 115 Nm (85.0 ft lb) torque.

FW55095 -19-07JUL93

AG,RX15494,2615 -19-27OCT99-1/1

Stay Clear of PTO



RW55206 -UN-28JUN94

! WARNING

TO AVOID BODILY INJURY:

1. Keep PTO master shield and all power drive system safety shields in place.
2. When operating PTO driven implements, install drawbar in the down position if offset, and use the following drawbar instructions.

PTO Shaft	PTO Shaft End to Hitch Pin Hole
540 rpm - 6 spline	14.00 in. (356 mm)
1000 rpm - 21 spline	16.00 in. (407 mm)
* 1000 rpm - 20 spline	20.00 in. (508 mm)
	* 1.75 in. (44.5 mm) dia. shaft

RW10960 -19-16DEC89

AG,RX15494,2616 -19-27OCT99-1/1

Avoid Explosive Gases



RW26315 -UN-21JUN99

! WARNING

Avoid injury from explosive gases. Always disconnect ground cable at chassis before servicing electrical system.

R125472 PRINTED IN U.S.A.

RW55220 -19-21JUL94

AG,RX15494,2617 -19-27OCT99-1/1

This as a preview PDF file from best-manuals.com



Download full PDF manual at best-manuals.com