

320
Lawn and Garden
Tractor
Serial No. (130001 -)

John Deere Horicon Works
OMM114668 Issue H1

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.

TIRE WARRANTY—John Deere warranty applies for tires available through the John Deere parts system.

For tires not available through the John Deere parts system, the tire manufacturer's warranty applicable to your machine may not apply outside the U.S. (See your John Deere dealer for specific information.)



-UN-19JUN91

M74673

MX,IFC,114668 -19-02AUG91

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

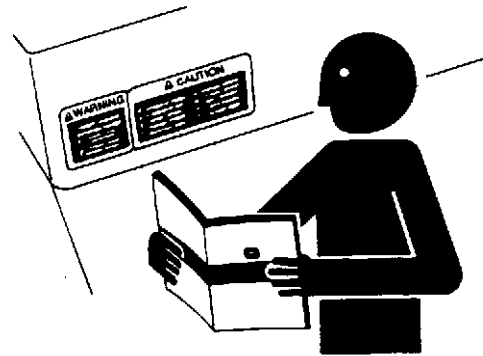
FOLLOW SAFETY INSTRUCTIONS

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

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Hello dear friend!

Thank you very much for reading.

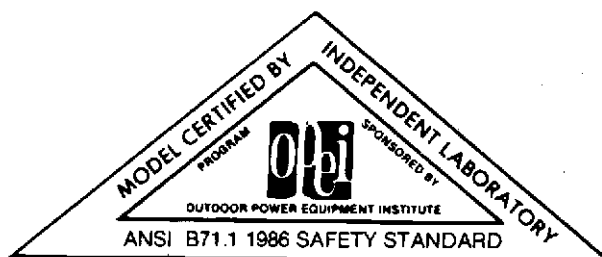
Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>

OPEI CERTIFICATION

This OPEI Label on your mower indicates that this model has been certified by an independent laboratory for compliance with American National Standard B-71.1-1986, "Safety Specifications" for Power Lawn Mowers, Lawn and Garden Tractors, and Lawn Tractors.



DX,CERT1 -19-04JUN90

TS288 -19-07OCT88

PROTECT CHILDREN

Keep children and others away when you operate machine.

BEFORE YOU BACK UP:

- STOP PTO.
- Look behind tractor for children.

Do not let children operate tractor.

Never carry children. Do not let children ride on tractor, mower, or any attachment.



MX,SAHD,A -19-02AUG91

IM41274 -JUN-06SEP88

P

AVOID TIPPING

Do not drive where machine could slip or tip.

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

Slow down before you make a sharp turn.

Mow UP and DOWN—not ACROSS on slopes.

Use care when pulling loads or using heavy equipment:

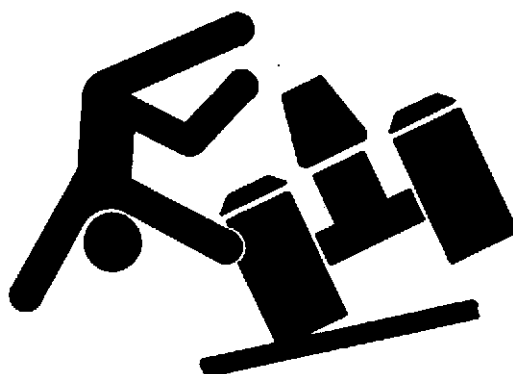
- Use only approved drawbar hitch points.
- Limit loads to those you can safely control.
- Use counterweights or wheel weights when suggested in this operator's manual.

Reduce speed and exercise extreme caution on slopes and in sharp turns to prevent tipping or loss of control. Be especially cautious when changing direction on slopes.

Do not STOP or START suddenly when going uphill or downhill.

If machine STOPS going up hill:

- STOP PTO.
- Back down slowly.



M41275 -JUN-06SEP88

MX,SAHD,B -19-02AUG91

PARK TRACTOR SAFELY

1. Move shift lever to N (NEUTRAL) position.

2. Disengage PTO's.

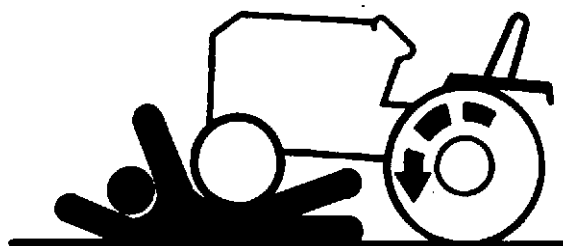
3. Lower equipment to ground.

4. Engage park brake.

5. STOP engine.

6. Remove key.

7. Before you leave operator's seat, wait for engine and attachment parts to STOP.



M41273 -JUN-06SEP88

MX,SAHD,C -19-02AUG91

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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.



MX,SAHD,DD -19-02AUG91

M71334 -JUN-02JUL91

HANDLE FUEL SAFELY—AVOID FIRES

Handle fuel with care, it is highly flammable.

DO NOT refuel machine:

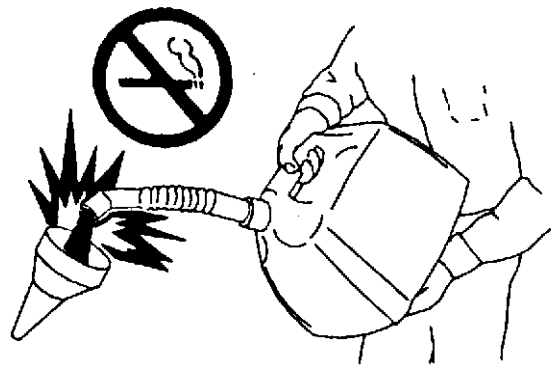
- While you smoke.
- When machine is near open flame or sparks.
- When engine is running. STOP engine.

Fill fuel tank outdoors.

Help prevent fires:

- Clean oil, grease and dirt from machine.
- Clean up spilled fuel immediately.

Do not store machine with fuel in tank in a building where fumes may reach an open flame or spark.



MX,FIRE,5 -19-31JUL91

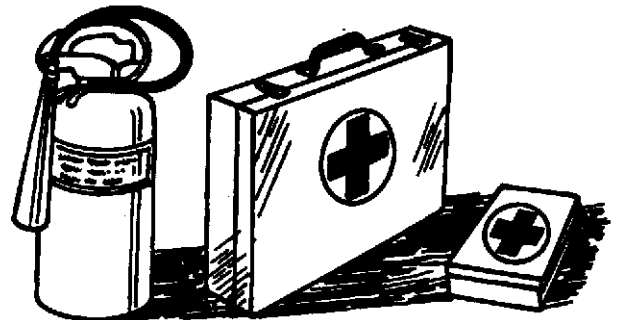
M73115 -JUN-09MAR90

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 -JUN-23AUG88

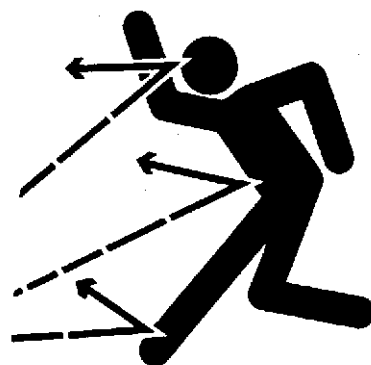
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CHECK GROUND CONDITIONS

Clear mowing area of objects that might be thrown. Keep people and pets out of mowing area.

Study mowing area. Set up safe mowing pattern. Do not mow under conditions where traction or stability is doubtful.

First, test drive area with PTO OFF and mower lowered. Slow down when you travel over rough ground.



MX,SAHO,E -19-01AUG91

M41423 -UN-30AUG88

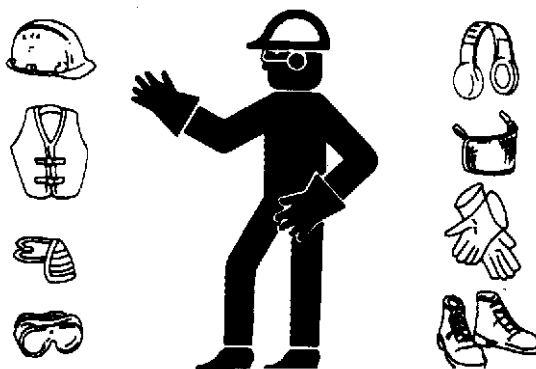
WEAR PROTECTIVE CLOTHING

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.



DX,WEAR -19-10SEP90

TS206 -UN-23AUG88

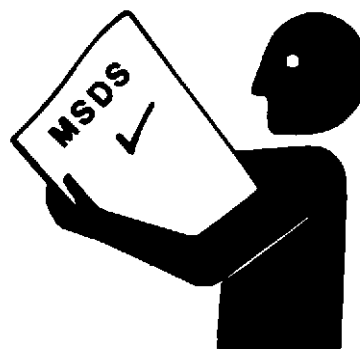
HANDLE CHEMICAL PRODUCTS SAFELY

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.)



DX,MSDS,NA -19-15MAR91

TS1132 -UN-26NOV90

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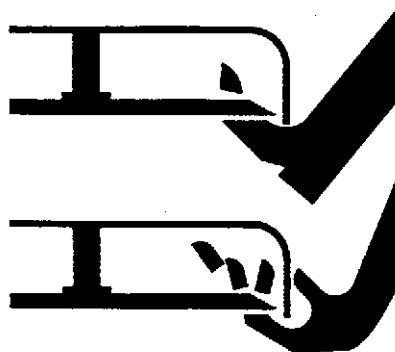
AVOID INJURY FROM CONTACTING BLADES

Before you dismount to unplug or adjust mower:

- Put shift lever in N (NEUTRAL) position.
- STOP engine.
- LOCK park brake.
- Pull PTO lever fully rearward.
- Remove key.
- Wait for mower blades to STOP.

Keep hands, feet and clothing away from mower deck when engine is running.

STOP mower blades when you are not using mower.



MX,SAHO,F -19-01AUG91

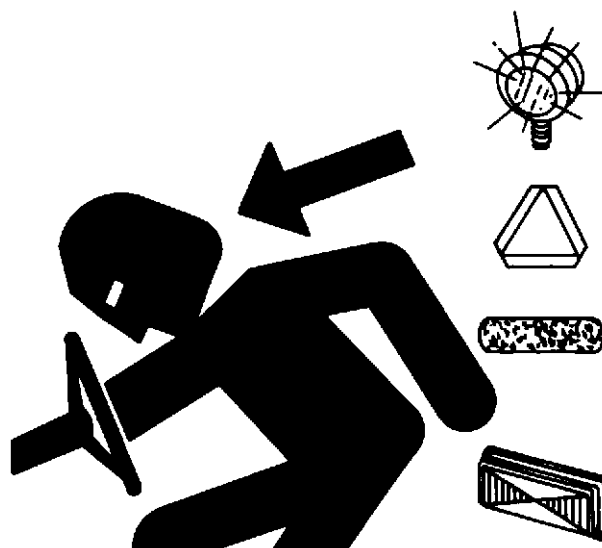
M41421 -JUN-30AUG88

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 -JUN-12APR90

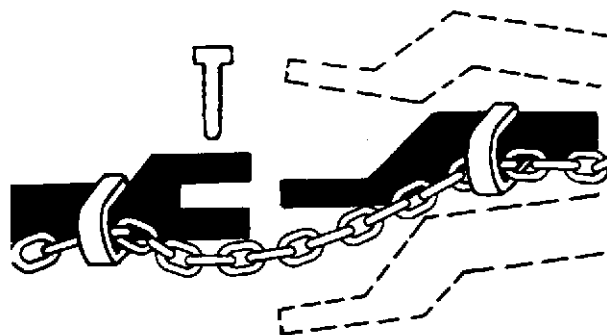
P

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 -JUN-23AUG88

DX,CHAIN -19-04JUN90

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 the 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.

MX,SAHD,EE -19-02AUG91

P

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.



DX,SERV -19-04JUN90

T5218 -UN-23AUG88

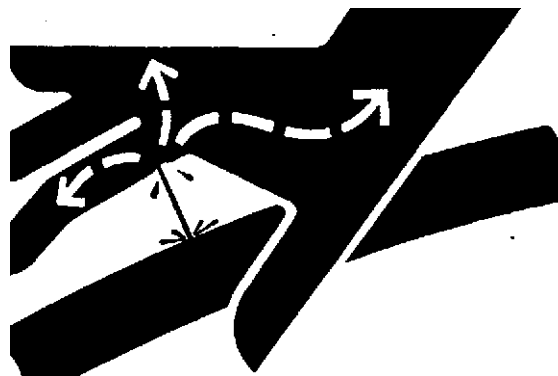
AVOID HIGH-PRESSURE FLUIDS

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.



DX,FLUID,NA -19-11JUN90

X9811 -UN-23AUG88

P

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.



DX,RCAP -19-04JUN90

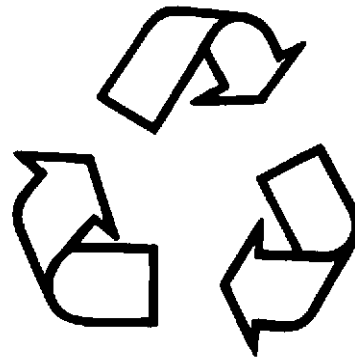
TS281 -JUN-23AUG88

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.

Inquire on the proper way to recycle or dispose of waste from your local environmental or recycling center, or from your John Deere dealer. Do not pour waste onto the ground, down a drain, or into any water source.

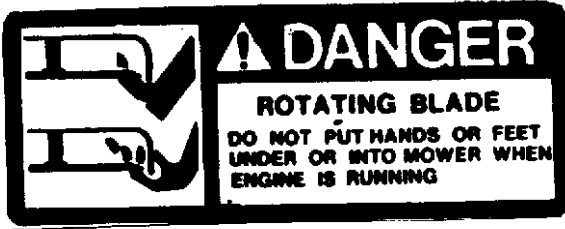


DX,DRAIN -19-15MAR91

TS1133 -JUN-26NOV/90

Safety Signs

READ SAFETY SIGNS



-19-18SEP90

M38614



-UN-01JUL91

M74637

MX,SAHD,D

-19-02AUG91



-19-18SEP90

M38613



-UN-01JUL91

M74638

MX,SAHD,H

-19-02AUG91

Safety Signs



M41143 -19-16MAR89



M74635 -UN-19JUN91

MX,SAHD,E -19-02AUG91



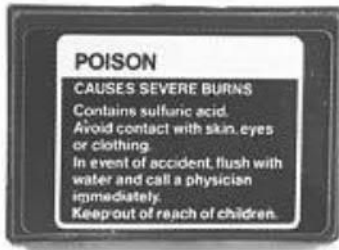
M61252 -19-11JAN89



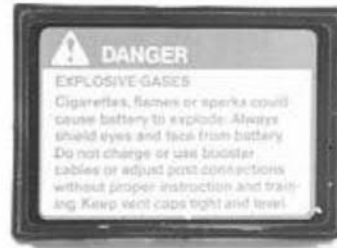
M74636 -UN-19JUN91

MX,SAHD,G -19-02AUG91

Safety Signs



M74674 -19-26JUN91



M74677 -19-26JUN91



MX,SAHD,G1 -19-02AUG91



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first, and then click the above link

to download the complete manual.

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Controls

CONSOLE CONTROLS

- A—Throttle (Choke Lever)
- B—Light Switch
- C—PTO Switch
- D—Ignition Key Switch
- E—Park Brake Lever
- F—Brake Pedal
- G—Mower Depth Control
- H—Tilt Steering Wheel Lever



M74642 -JUN-19JUN91

MX,CTHD,A -19-02AUG91

LIFT LEVER, TRANSMISSION SHIFT LEVER, AND SEAT ADJUSTING LEVER

- A—Lift Lever
- B—Transmission Shift Lever
- C—Seat Adjusting Lever



M74643 -JUN-19JUN91

MX,CTHD,B -19-02AUG91

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