

**316, 318 and 420
Lawn and Garden
Tractors**
(Serial No. 010001-)

John Deere Horicon Works
OMM79655 Issue J9
(This manual replaces OM-M79655 H9)
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 of forward travel.

WRITE PRODUCT IDENTIFICATION NUMBERS in the Specifications section. Accurately record all the numbers to help in tracing the machine should it be stolen. Your distributor 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 distributor.

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.



M35174
-UN-29AUG88

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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.

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A John Deere ILLUSTRATION™ Manual

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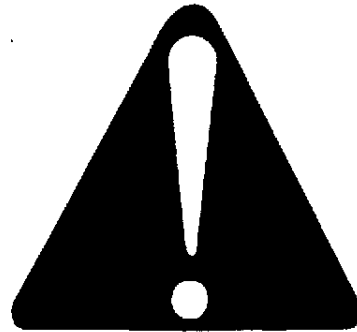
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Safety

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.

Follow recommended precautions and safe operating practices.



O53,ALERT -19-16JUN87

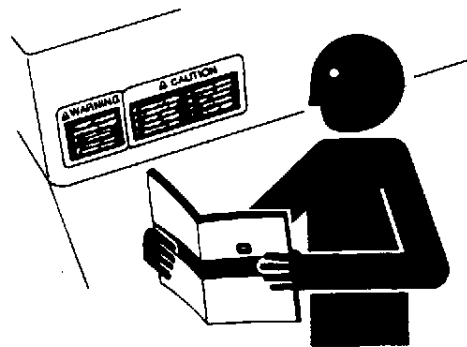
T81389 -UN-07DEC68

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

T5201 -UN-23AUG88

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

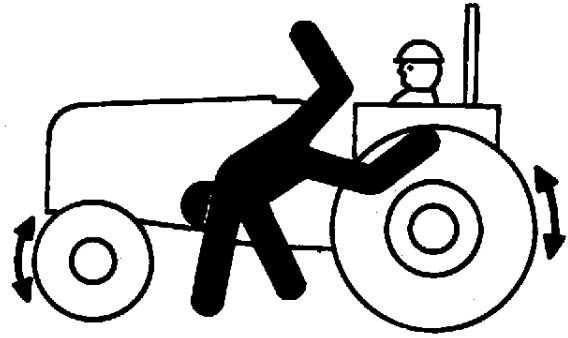
T5187 -19-30SEP88



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-23AUG68

PROTECT CHILDREN

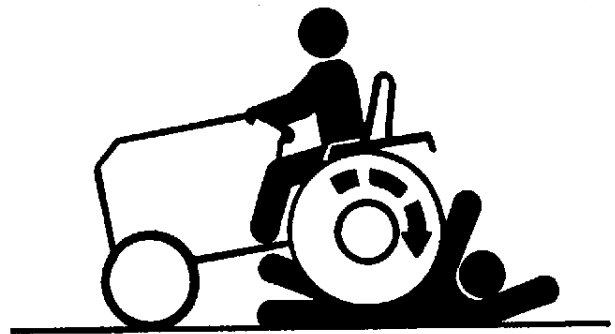
Keep children and others away when you operate machine.

BEFORE YOU BACK UP:

- Stop the 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,SAS,O -19-12APR89

IM41274
-UN-06SEP88



AVOID TIPPING

Do not drive where machine could slip or tip.

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

Slow down before you make a sharp turn.

Use care when pulling loads or using heavy equipment.

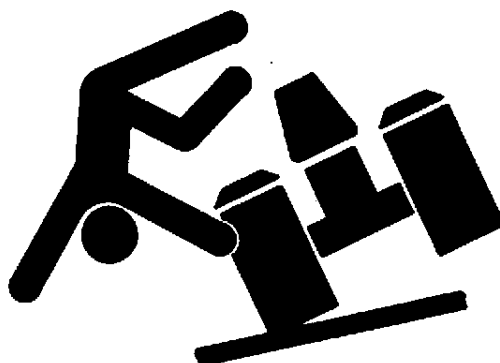
- Use only approved drawbar hitch points.
- Limit loads to those you can safely control.
- Use counterweights or wheel weights when suggested in this operator's manual.

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 the PTO.
- Back down slowly.



M41275 -UN-06SEP88

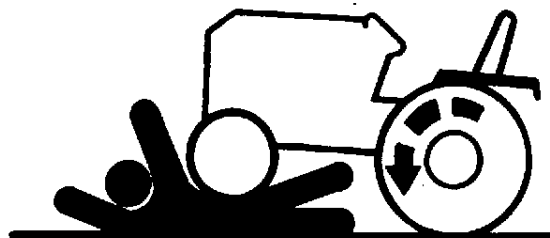
MX,SAS,B -19-12APR89

PARK TRACTOR SAFELY

To park tractor safely:

1. Move shift lever in "N" (Neutral) position.
2. Disengage PTO'S.
3. Lower equipment to the ground.
4. Engage park brake.
5. Stop the engine.
6. Remove key.

Before you leave the operator's seat, wait for engine and attachment parts to stop moving.



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MX,SAS,B1 -19-12APR89

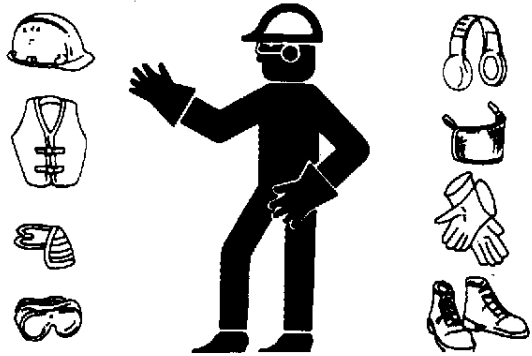


WEAR PROTECTIVE CLOTHING

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.



O53,WEAR -19-23APR87

TS206
-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.



O53,FIRE1 -19-23APR87

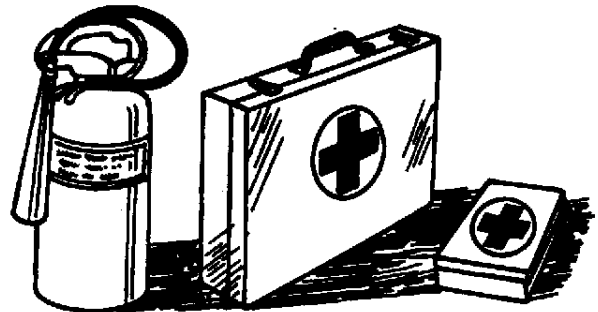
TS202
-UN-23AUG88

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



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.



O53_SERV -19-21DEC87

-UN-23AUG88

TS218



MOUNT TIRES SAFELY

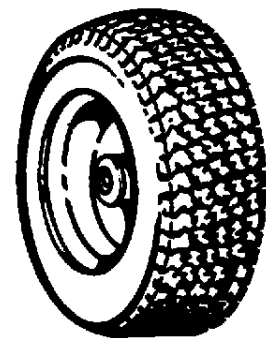
Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your John Deere dealer or a qualified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

When sealing tire beads on rims, never exceed 35 psi (240 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 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.



M34163 -UN-25AUG88



M34164 -UN-25AUG88

MX,SAR,R -19-12APR89

READ SAFETY SIGNS CAREFULLY

Danger signs identify the most serious hazards.

Keep safety signs in good condition.

Replace missing or damaged safety signs.

Signs are attached to machine near specific hazard areas.

Pedestal Safety Sign (420 Tractor)



M41032 -19-14MAR89

MX,SAK,A -19-12APR89



Caution signs call attention to safety messages in this manual.



Fuel Fill Safety Sign

MX,SAK,B -19-12APR89

M41031 -19-17APR89



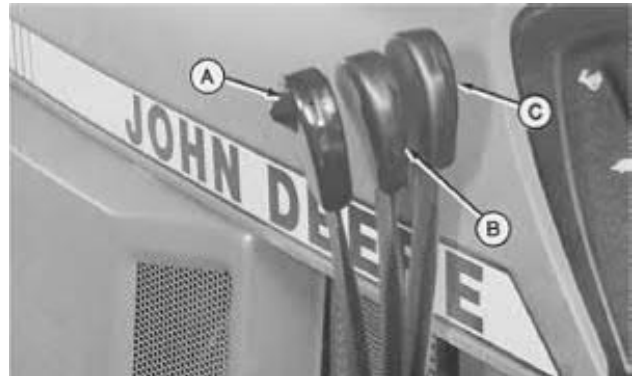
MX,SAAJ,N1 -19-12APR89

M61252 -19-11JAN89

Controls

HYDRAULIC CONTROL LEVERS

- A—Outer Hydraulic Lever—Controls Front LH Hydraulic Outlets
- B—Center Hydraulic Lever—Controls Rockshaft
- C—Inner Hydraulic Lever—Controls Front RH Hydraulic Outlets

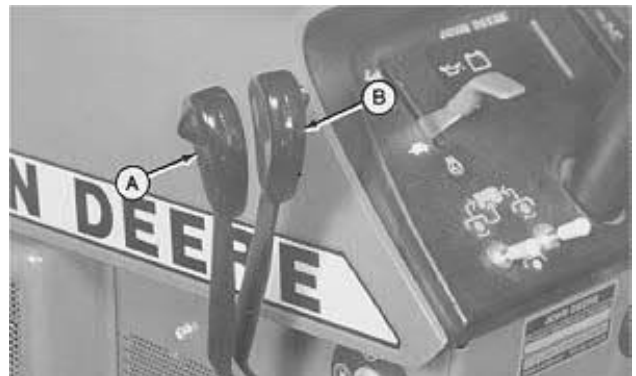


420 Tractor

M32324 -UN-25AUG88

MX,CTK,A -19-12APR89

- A—Outer Hydraulic Lever—Rockshaft & Front LH Hydraulic Outlets
- B—Inner Hydraulic Lever—Controls Front RH Hydraulic Outlets



318 Tractor

M32422 -UN-25AUG88

MX,CTK,A1 -19-12APR89

Controls

A—Hydraulic Control Lever—Rockshaft and Front Hydraulic Outlets



316 Tractor

MX,CTK,A2 -19-12APR89

UPPER AND LOWER DASH CONTROLS

A—Throttle Lever
B—Front Power Take-Off (PTO) Switch
C—Choke
D—Light Switch
E—Key Switch
F—Park Lock Lever



MX,CTK,B -19-12APR89

HYDROSTATIC CONTROL LEVER

A—Hydrostatic Control Lever



MX,CTK,C -19-12APR89



Suggest:

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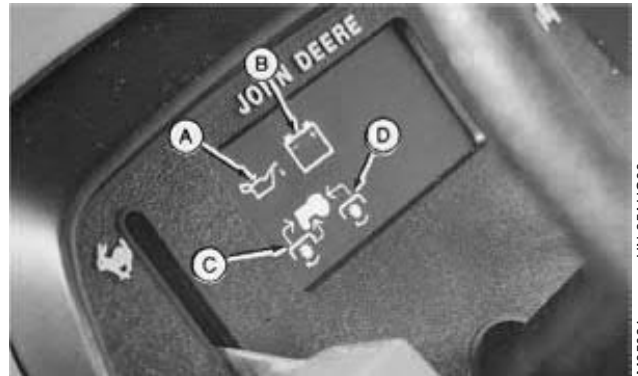
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INDICATOR LIGHTS

- A—Oil Pressure
- B—Battery
- C—Front PTO
- D—Rear PTO (if Equipped)

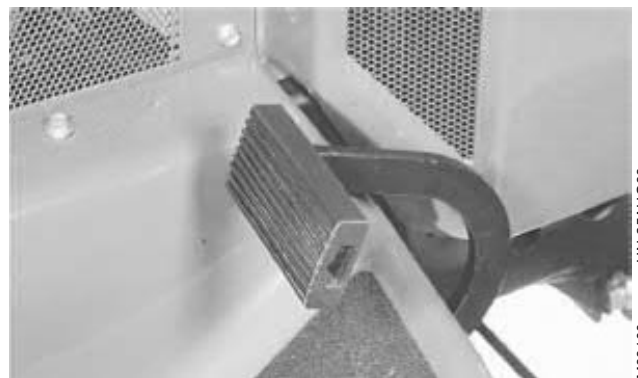


MX,CTK,C1 -19-12APR89

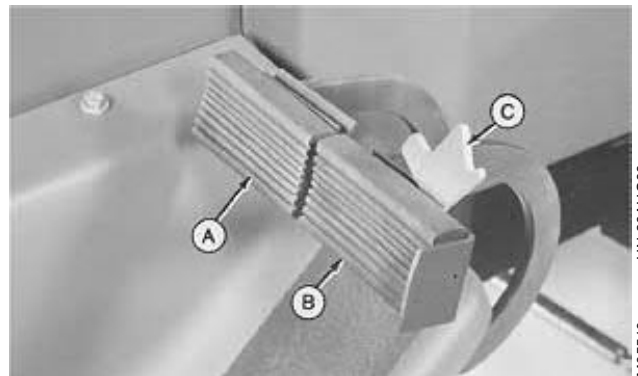
M35024 -UN-25AUG88

BRAKE PEDALS

- A—Left Turn Brake Pedal
- B—Right Turn Brake Pedal
- C—Brake Strap



316 Tractor



318 and 420 Tractors

MX,CTK,D -19-12APR89

M33100 -UN-25AUG88

M35519 -UN-26AUG88

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