

**270**  
**Rotary Disk Mower**  
(Identification No. 840001- )

**John Deere Ottumwa Works**  
**OME87628 Issue G5**  
(This manual replaces OME82777 L2)

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 the implement will travel when going forward.

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



270 Rotary Disk Mower

E36723  
-UN-23FEB92

## DELIVERY CHECKLIST

The following checklist is a reminder of very important information which should be conveyed directly to the customer when delivering the machine.

- |  |   |
|--|---|
| <input type="checkbox"/> Advise customer that the life expectancy of this or any other machine depends on regular lubrication as described in the operator's manual. | <input type="checkbox"/> Inform customer about John Deere warranty.   |
| <input type="checkbox"/> Advise customer to drain and refill the cutterbar after the first 10 hours of operation.  | <input type="checkbox"/> Inform customer about John Deere parts and service.  |
| <input type="checkbox"/> Give operator's manual to the customer and explain fully all operating adjustments and lubrication.   | <input type="checkbox"/> Inform customer on safety precautions to be taken when using the mower.                                    |
| <input type="checkbox"/> Advise customer to check the torque of disk nuts and knife bolts after the first 10 hours if operation.                                     | <input type="checkbox"/> Tell customer to record the serial number of the mower in the space provided in the Specification section. |
|  | <input type="checkbox"/> Advise customer of optional attachments.   |
|  | <input type="checkbox"/> Advise customer on storing machine correctly.  |

\_\_\_\_\_  
(Signature of Set-Up Technician)

\_\_\_\_\_  
(Signature)

**<https://www.ebooklibonline.com>**

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>**

## AFTER-SALE CHECKLIST

The following items should be checked sometime during the first season of operation.

- |   |  |
|---|--|
| <input type="checkbox"/> Inspect the entire machine and check for loose or missing bolts.             | <input type="checkbox"/> Check for broken or damaged parts.  |
| <input type="checkbox"/> Make sure all shields are in place and fastened.                             | <input type="checkbox"/> If possible, run the mower to make sure that it is functioning properly.  |
| <input type="checkbox"/> Check drive belt for proper tension. Make sure belts are adjusted correctly. | <input type="checkbox"/> Review the entire operator's manual together with your customer and stress the importance of proper and regular lubrication, as well as safety precautions. |
| <input type="checkbox"/> Check tightness of disks and knives.   |  |
| <input type="checkbox"/> Check operating adjustments.   |  |

\_\_\_\_\_  
(Date Delivered)

\_\_\_\_\_  
(Signautre)

*270 Rotary Disk Mower Checklists*

# Contents

	Page		Page
<b>Safety</b> .....	1	<b>Service</b>	
<b>Safety Signs</b> .....	9	Practice Safe Maintenance .....	32
<b>Attaching and Detaching</b>		Inspecting Knives .....	32
Attaching Mower to Tractor .....	12	Knife Bolts	
Attaching PTO Driveline .....	13	Checking .....	33
Attaching Hydraulic Lift Hose .....	13	Replacing .....	33
Raising the Cutterbar .....	14	Checking Knife Nuts .....	33
Detaching Mower .....	15	Replacing Cutterbar Knives .....	34
<b>Transporting</b> .....	16	Toolbox .....	35
<b>Operating the Mower</b>		Rotating Disks .....	35
Tractor Requirements .....	18	Adjusting Drive Belts .....	36
Using Implement Codes .....	18	Adjusting Crop Divider .....	36
Lowering Cutterbar for Operation .....	19	<b>Storage</b> .....	37
Adjusting Cutting Height .....	20	<b>Assembly</b> .....	38
Adjusting Swath Stick .....	20	<b>Specifications</b>	
Operating Procedures .....	21	Mower Specifications .....	52
Adjusting Mower for Adverse Field		Record Product Identification Number .....	52
Conditions .....	22	Bolt and Cap Screw Torque Value Charts	
Breakaway Latch .....	23	Metric .....	53
Adjusting Outer Shoe Spring Assist .....	23	Inch .....	54
<b>Attachments</b> .....	25	<b>Crime Prevention Tips</b> .....	55
<b>Lubrication and Maintenance</b>		<b>Index</b>	
Observe Lubrication Symbols .....	26		
Perform Lubrication and Maintenance .....	26		
Cutterbar Drive Gear Case Lubricant .....	27		
Grease .....	27		
Gear Case .....	28		
Cutterbar .....	29		
PTO Driveline .....	30		
Every 50 Hours .....	30		
As Required .....	30		
<b>Troubleshooting</b> .....	31		

*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.*

OME87628 G5-19-14JUL95

COPYRIGHT© 1995  
DEERE & COMPANY  
Moline, Illinois  
All rights reserved  
A John Deere ILLUSTRATION® Manual  
Previous Editions  
Copyright 1992, 1989 Deere & Company

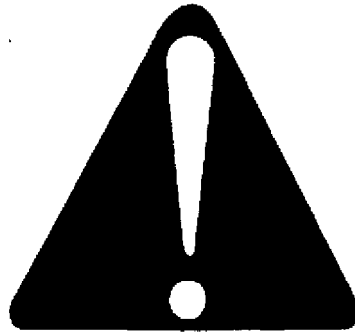
*Contents*

# 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 -19-03MAR93

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.

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

TS187 -19-30SEP88

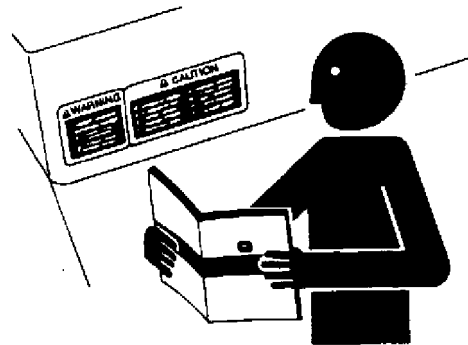
## FOLLOW SAFETY INSTRUCTIONS

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.



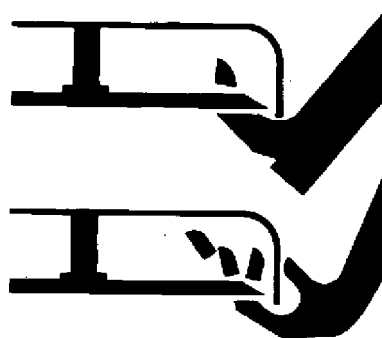
DX,READ -19-03MAR93

TS201 -UN-23AUG88



## OPERATE MOWER SAFELY

1. Inspect machine before each use. Before each use, check tightness of all nuts and bolts, particularly those securing the disks and knives.
2. Keep all shields and plastic cover in place.
3. Stop the tractor engine and wait until all moving parts have stopped before leaving operator's position to adjust, lubricate, clean or unclog machine.
4. Do not lean against, sit or stand on the cutterbar plastic cover or its supporting framework.
5. Make certain everyone is clear of machine before starting engine or beginning operation.
6. Do not operate mower with cutterbar raised to vertical position.



EX,270RDMA,A -19-02DEC92

TS273 -UN-23AUG88

## AVOID INJURY FROM THROWN OBJECTS

Extreme care must be exercised to avoid injury from thrown objects. Do not, under any circumstances, operate mower when other people are in the vicinity. Stones and other objects can be thrown great distances by the rotating cutting blades.

The cutterbar cover is very important to reduce the potential for thrown objects. Always keep this cover down when operating the mower. Replace the cover, using genuine John Deere parts or their equivalent, if it should become worn or damaged.

For additional operator protection from thrown objects, it is recommended that the 270 Rotary Disk Mower be used with tractors having an operator enclosure.



EX,OM80053,SA2 -19-13NOV89

TS265 -UN-23AUG88



**Suggest:**

**For more complete manuals. Please go to the home page.**

**<https://www.ebooklibonline.com>**

**If the above button click is invalid. Please download this document first, and then click the above link to download the complete manual.**

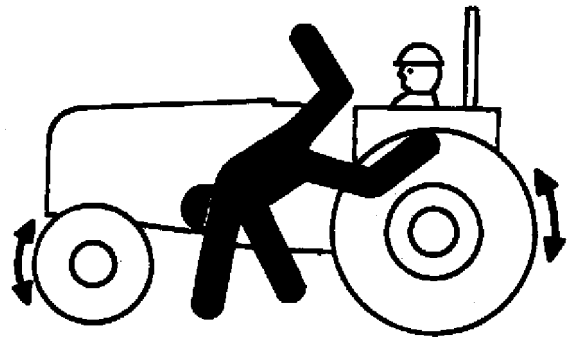
**Thank you so much for reading**



## 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 -19-03MAR93

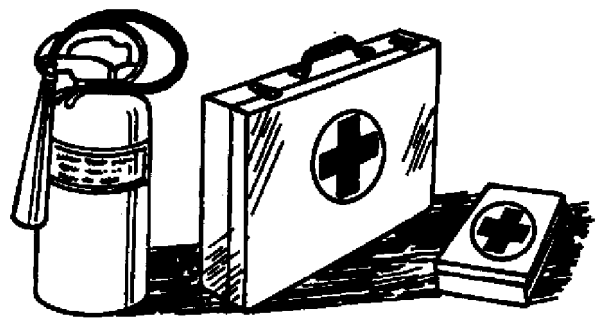
TS290 -UN-23AUG88

## 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 -19-03MAR93

TS291 -UN-23AUG88

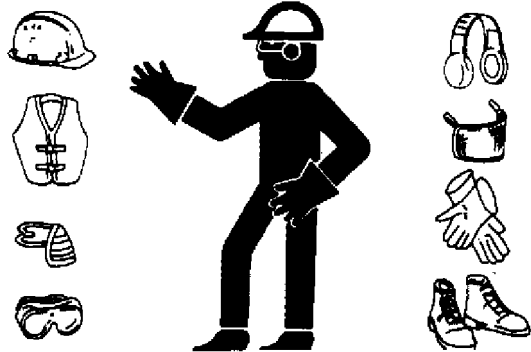
## WEAR PROTECTIVE CLOTHING

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.

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 -19-03MAR93

TS1132 -UN-26NOV90

## 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 -19-03MAR93

TS198 -UN-23AUG88

**<https://www.ebooklibonline.com>**

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>**