



# RX and SX Series Riding Mowers



JOHN DEERE

## TECHNICAL MANUAL

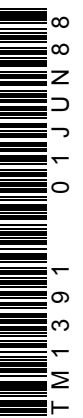
RX and SX Series  
Riding Mowers

TM1391 (01JUN88) English



TM1391 (01JUN88)

LITHO IN U.S.A.  
ENGLISH



# Introduction

## FOREWORD

This manual is written for an experienced technician. Essential tools required in performing certain service work are identified in this manual and are recommended for use.

Live with safety: Read the safety messages in the introduction of this manual and the cautions presented throughout the text of the manual.



**This is the safety-alert symbol. When you see this symbol on the machine or in this manual, be alert to the potential for personal injury.**

Technical manuals are divided in two parts: repair and diagnostics. Repair sections tell how to repair the components. Diagnostic sections help you identify the majority of routine failures quickly.

Information is organized in groups for the various components requiring service instruction. At the beginning of each group are summary listings of all applicable essential tools, service equipment and tools, other materials needed to do the job, service parts kits, specifications, wear tolerances, and torque values.

Binders, binder labels, and tab sets can be ordered by John Deere dealers direct from the John Deere Distribution Service Center.

This manual is part of a total product support program.

## FOS Manuals-reference

### Technical Manuals-machine service

### Component Manuals-component service

*Fundamentals of Service (FOS) Manuals* cover basic theory of operation, fundamentals of troubleshooting, general maintenance, and basic types of failures and their causes. FOS Manuals are for training new personnel and for reference by experienced technicians.

*Technical Manuals* are concise guides for specific machines. Technical manuals are on-the-job guides containing only the vital information needed for diagnosis, analysis, testing, and repair.

*Component Technical Manuals* are concise service guides for specific components. Component technical manuals are written as stand-alone manuals covering multiple machine applications.

# TO JOHN DEERE DEALERS

## FILING INSTRUCTIONS

TM-1391 (JULY 1988)

RX63, RX73, RX75, SX75, RX95, SX95 Riding Mowers

This is a complete revision of TM-1391. Please discard old TM-1391 dated February 1987.

For complete engine repair information use CTM-5. Engine tests and adjustments are covered in Section 220 of this manual.

Model RX63 has been added.

An abundance of diagnostic information has been added to the operation and test sections.



# Contents

## RX AND SX SERIES RIDING MOWERS TECHNICAL MANUAL TM—1391 (JUN-88)

### SECTION AND GROUP CONTENTS

#### SECTION 10—SAFETY AND SPECIFICATIONS

- Group 05—Safety
- Group 10—Repair Specifications

#### SECTION 20—ENGINE REPAIR

- Group 05—Engine Removal and Installation

#### SECTION 30—FUEL AND AIR SYSTEM REPAIR

- Group 05—Fuel Transfer System
- Group 10—Fuel and Air System

#### SECTION 50—POWER TRAIN REPAIR

- Group 05—Clutch Linkage and Belts
- Group 10—Variable Speed System
- Group 15—Transaxle
- Group 20—PTO Linkage

#### SECTION 60—STEERING AND BRAKE REPAIR

- Group 05—Steering System Repair
- Group 10—Brake Repair

#### SECTION 80—MISCELLANEOUS REPAIR

- Group 05—Mower Spindles
- Group 10—Mower Deck and Lift Linkage
- Group 15—Engine Shroud

#### SECTION 210—SPECIFICATIONS AND OPERATIONAL CHECKOUT

- Group 01—Specifications
- Group 05—Operational Checkout Procedure

#### SECTION 220—ENGINE/FUEL SYSTEM OPERATION AND TESTS

- Group 05—Engine System Checkout
- Group 10—Engine Tests and Adjustments

#### SECTION 240—ELECTRICAL SYSTEM OPERATION AND TESTS

- Group 05—Electrical System Checkout
- Group 10—Electrical System Diagnosis
- Group 15—Component Locations/Wiring Diagrams

#### SECTION 250—POWER TRAIN OPERATION AND TESTS

- Group 05—Power Train System Checkout
- Group 10—Power Train System Diagnosis

*All information, illustrations and specifications contained in this technical 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® 1988  
DEERE & COMPANY  
Moline, Illinois  
All rights reserved  
A John Deere ILLUSTRATION™ Manual

M22;0000G -A 010788



Thank you very much  
for your reading.  
Please click here  
to get more information.