

F510 and F525 Residential Front Mowers



John Deere Horicon Works
TM1475 (23OCT95)

LITHO IN U.S.A.
ENGLISH

**F510 and F525 Residential
Front Mowers**

TM1475 (23OCT95)



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 operation and tests. Repair sections tell how to repair the components. Operation and tests 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.

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

Fundamental service information is available from other sources covering basic theory of operation, fundamentals of troubleshooting, general maintenance, and basic type of failures and their causes.

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This is a complete revision for TM1475—F510 and F525 Residential Front Mowers.

Discard TM1475 dated (01MAY92) and replace with this manual.

New information added to this manual includes:

1. Updated engine repair procedures and specifications.
2. New engine adjustment procedures.
3. New electrical wiring harness diagrams.
4. New electrical schematics and diagnostic diagrams.
5. Updated electrical tests.
6. New mower deck repair procedures.
7. New lift linkage repair procedures.
8. New snowthrower repair information.
9. New snowthrower diagnostic information.
10. New snowthrower adjustment procedures.
11. New Power Flow™ repair information.
12. New Power Flow™ diagnostic information.



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