

**12PB/12PC/12SB
14PB/14PT/14PZ
14SB/14SC/14SX
14SE/14ST/14SZ
Walk-Behind Mowers
(S.N. GX—010001—)**

**John Deere Horicon Works
TM1471 (16JUL96)**

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 and service parts kits.

Section 10, Group 15—Specifications consist of all applicable specifications, near tolerances and specific torque values for various components on each individual engine.

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 type 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.

JOHN DEERE DEALERS

This is a complete revision for TM1471, 21-Inch Rear-Discharge Walk-Behind Rotary Mowers (S.N. 010,001-).

Discard old TM1471 dated 01 Oct 92 and replace it with this manual.

New information added to this manual includes:

1. Repair and diagnosis information for the new 14SX mower.
2. Repair information for Kawasaki (FC150V) 4-cycle engine.
3. This book has been divided into two parts; Repair Sections, Sections 10 through 80 (providing remove and install procedures), and Operation and Tests Sections, Sections 210 through 255 (providing theory

of operation, test and adjustment procedures, and diagnostic information).

4. Model designation is broken down as follows:

- 1 = Derived from 21-inch cutting width
- 2 = 2-Cycle Engine Design
- 4 = 4-Cycle Engine Design
- B = Blade Brake Clutch (BBC)
- C = Commercial Mower
- E = Electric Start
- P = Push Mower
- S = Self-Propelled Mower (2 or 5 speed transaxle)
- T = Tri-Cycler Mower
- Z = Zone Start (from Operator's station or ZONE) with flywheel band brake

5. The new 1995 K-Series and B-Series 4-Cycle Engines are classified as 5.5-HP engines.

Contents

SECTION 10—GENERAL INFORMATION

- Group 05—Safety
- Group 10—General Specifications
- Group 15—Repair Specifications
- Group 20—Fuels and Lubricants
- Group 25—Serial Number Locations

SECTION 20—ENGINE REPAIR—BRIGGS & STRATTON 2-CYCLE ENGINE (12PB/12PC/12SB)

- Group 05—Remove and Install B&S 2-Cycle Engine (12PB/12PC/12SB)
- Group 10—Engine Repair—B&S 2-Cycle Engine (12PB, 12PC and 12SB)
- Group 15—Recoil Start Repair—B&S 2-Cycle Engine (12PB, 12PC and 12SB)

SECTION 21—ENGINE REPAIR—BRIGGS & STRATTON 4-CYCLE ENGINE (14PZ/14SZ)

- Group 05—Remove and Install B&S 4-Cycle Engine (14PZ/14SZ)
- Group 10—Disassemble Engine—B&S 4-Cycle Engine (14PZ and 14SZ)
- Group 15—Recoil Start

SECTION 22—ENGINE REPAIR—KAWASAKI 4-CYC ENG (14PB/14PT/14SB/14SC/14SX/14SE/14ST)

- Group 05—Remove and Install Engine
- Group 10—Engine Repair—Kawasaki FC150V 4-Cycle Engine
- Group 15—Recoil Start and Electric Start Repair

SECTION 30—FUEL AND AIR—B&S 2-CYCLE ENGINE (12PB/12PC/12SB)

- Group 05—Air Cleaner Assembly
- Group 10—Carburetor Assembly—B&S 2-Cycle
- Group 15—Fuel Tank Assembly—B&S 2-Cycle
- Group 20—Exhaust System—B&S 2-Cycle

SECTION 31—FUEL AND AIR—BRIGGS & STRATTON 4-CYCLE ENGINE (14PZ/14SZ)

- Group 05—Air Cleaner Assembly—B&S 4-Cycle
- Group 10—Carburetor Assembly—B&S 4-Cycle
- Group 15—Fuel Tank—B&S 4-Cycle
- Group 20—Exhaust System—B&S 4-Cycle

SECTION 32—FUEL AND AIR—KAWASAKI 4-CYC ENG (14PB/14PT/14SB/14SC/14SX/14SE/14ST)

- Group 05—Air Cleaner/Breather/Carburetor—Kawasaki 4-Cycle
- Group 10—Fuel Tank Assembly—Kawasaki 4-Cycle
- Group 20—Exhaust System—Kawasaki 4-Cycle

SECTION 40—ELECTRICAL SYSTEM—BRIGGS & STRATTON 2-CYCLE (12PB/12PC/12SB)

- Group 05—Ignition Coil—B&S 2-Cycle
- Group 10—Safety Switch—B&S 2-Cycle

SECTION 41—ELECTRICAL SYSTEM—BRIGGS & STRATTON 4-CYCLE (14PZ/14SZ)

- Group 05—Ignition Coil—B&S 4-Cycle
- Group 10—Safety Switch—B&S 4-Cycle

SECTION 42—ELECTRICAL SYSTEM—KAWASAKI 4-CYC (14PB/14PT/14SB/14SC/14SX/14SE/14ST)

- Group 05—Battery—Kawasaki 4-Cycle
- Group 10—Key Switch—Kawasaki 4-Cycle
- Group 15—Ignition/Charging Repair—Kawasaki 4-Cycle

SECTION 50—POWER TRAIN—BBC MOWERS (12PB/12SB/14PB/14SB/14SE)

- Group 05—Blade Brake Clutch (BBC)
- Group 10—Drive Belt

Continued on next page

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Group 15—Blade Brake Clutch (BBC) Control Cable, Lever and Bail

SECTION 51—

**POWER TRAIN—ZONE START
(12PC/14PT/14PZ/14SC/14SX/14ST/14SZ)**

- Group 05—Flywheel Brake Assembly
- Group 10—Drive Belt
- Group 15—Flywheel Brake Control Cable and Bail

**SECTION 52—POWER TRAIN—KANSAKI
2-SPEED TRANSAXLE (14ST/14SZ)**

- Group 05—Remove and Install Transaxle
- Group 10—Disassemble and Assemble Transaxle
- Group 15—Shift Cable and Lever Assembly
- Group 20—Clutch Cable and Bail Assembly

**SECTION 53—POWER TRAIN—KANSAKI
5-SPEED TRANSAXLE
(12SB/14SB/14SC/14SX/14SE)**

- Group 05—Remove and Install Transaxle
- Group 10—Disassemble and Assemble Transaxle
- Group 15—Shift Cable and Lever Assembly
- Group 20—Clutch Cable and Bail Assembly

SECTION 80—MISCELLANEOUS REPAIR

- Group 05—Wheels
- Group 10—Wheel Height Adjusters
- Group 15—Throttle Cable and Control Lever
- Group 20—Handlebars
- Group 25—Recoil Start Bracket
- Group 30—Mower Deck Wear Plates
- Group 35—Mower Deck Discharge Cover
- Group 40—Mower Deck Discharge Chute
- Group 45—Mower Deck Emblem

**SECTION 210—TEST AND ADJUSTMENT
SPECIFICATIONS/OPERATIONAL
CHECKOUT PROCEDURE**

- Group 05—Test and Adjustment Specifications
- Group 10—Operational Checkout Procedure

**SECTION 220—ENGINE OPERATION TESTS AND
ADJUSTMENTS—BRIGGS &
STRATTON 2-CYCLE**

- Group 05—Component Location
- Group 15—Diagnosis, Tests and Adjustments

**SECTION 222—ENGINE OPERATION TESTS AND
ADJUSTMENTS—BRIGGS &
STRATTON 4-CYCLE**

- Group 05—Component Location
- Group 10—Theory of Operation

Group 15—Diagnosis, Tests and Adjustments

**SECTION 225—ENGINE OPERATION TESTS AND
ADJUSTMENTS—KAWASAKI**

- Group 05—Component Location
- Group 10—Theory of Operation
- Group 15—Diagnosis, Tests and Adjustments

**SECTION 230—FUEL/AIR OPERATION TESTS
AND ADJUSTMENTS—BRIGGS &
STRATTON 2-CYCLE**

- Group 10—Theory of Operation
- Group 15—Diagnosis, Tests and Adjustments

**SECTION 232—FUEL/AIR OPERATION TESTS
AND ADJUSTMENTS—BRIGGS &
STRATTON 4-CYCLE**

- Group 10—Theory of Operation
- Group 15—Diagnosis, Tests and Adjustments

**SECTION 235—FUEL/AIR OPERATION TESTS
AND
ADJUSTMENTS—KAWASAKI**

- Group 10—Theory of Operation
- Group 15—Diagnosis, Tests and Adjustments

**SECTION 240—ELECTRICAL OPERATION TESTS
AND ADJUSTMENTS—BRIGGS &
STRATTON 2-CYCLE**

- Group 05—Component Location
- Group 10—Theory of Operation
- Group 15—Diagnosis, Tests and Adjustments
- Group 20—Wiring Schematics

**SECTION 242—ELECTRICAL OPERATION TESTS
AND ADJUSTMENTS—BRIGGS &
STRATTON 4-CYCLE**

- Group 05—Component Location
- Group 10—Theory of Operation
- Group 15—Diagnosis, Tests and Adjustments
- Group 20—Wiring Schematics

**SECTION 245—ELECTRICAL OPERATION TESTS
AND
ADJUSTMENTS—KAWASAKI
ENGINE**

- Group 05—Component Location
- Group 10—Theory of Operation
- Group 15—Diagnosis, Tests and Adjustments
- Group 20—Wiring Schematics

Continued on next page

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