8560
8760, and
8960 Tractors
Operation and Tests

For complete service inform[illegible]lso see:

8560, 8760, and 8960 Tract[illegible]
Repair . . . . . [illegible]
6076 Engine
Serial Number (-499999) CTM6
Serial Number (500000-) CTM42
6101 Engine CTM20
Radial Piston Pumps CTM7
Engine Accessories CTM11
1600 Series Axles CTM18

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John Deere Waterloo Works
TM1434 (08MAR02)

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 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.

DX,TMIFC -19-04JUN90

NOTICE TO DEALERS

IMPORTANT: The changes listed below make your current TM obsolete. Discard TM1434 dated JUL-91. Please remove this page and route it through your service department.

The following revision/additions were made to this TM:

SECTION 220—A dynomometer test and viscous fan drive correction chart was added for tractors with and without PTO.

SECTION 240—An explanation of understanding voltage test readings in electrical and electronic circuits has been added to Group 05.

Harness routing information was revised to include the addition of hitch draft sensing circuits.

The axle/PTO lube pressure sensor is replaced by a hydraulic reservoir level sensor. A separate diagnostic procedure is added to cover the hydraulic reservoir level sensor circuit.

New temperature sensors are added in the coolant temperature and hydraulic oil temperature locations. Diagnostic procedures are revised to include the new temperature sensors.

The tractor schematic and harness wall charts have been revised to add the hitch draft sensing circuits

SECTION 270—Several revisions have been made to the hydraulic circuits. For this revision, Product Information Numbers (PIN) were used to distinguish between early and later model tractors. The major difference between these hydraulic systems is the full charge system and axle lube cooling system using a lube pump for each axle found in the early model tractors. The later model tractors have a return flow charge system and axle lube/cooling circuit using one pump.

Draft sensing is available and has been added to Groups 05A, 10A, 15A and 25A. A drawing of the harnesses with draft sensing has been added to Group 10A.

RX,1434,DEALER -19-23MAR92

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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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