

# **6076 Engines**

**Serial Number ( —499999)**

**Deere Power Systems Group  
CTM6 (17MAR97)**

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.

Use this component technical manual in conjunction with the machine technical manual. An application listing identifies product-model/component type-model relationship. See the machine technical manual for information on component removal and installation, and gaining access to the components.

This manual is divided in two parts: repair and diagnostics. Repair sections contain necessary instructions to repair the component. 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 torques.

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.

## MANUAL ORGANIZATION

Group 00—Introduction and Safety Information

Group 01—General Information

Group 02—Fuels, Lubricants and Coolant

Group 03—Engine Mounting

Group 04—Engine Rebuild Guide

Group 05—Cylinder Head and Valves

Group 10—Cylinder Block, Liners, Pistons and Rods

Group 15—Crankshaft, Main Bearings, and Flywheel

Group 16—Camshaft and Timing Gear Train

Group 20—Lubrication System

Group 25—Cooling System

Group 30—Air Intake and Exhaust System

Group 35—Fuel System

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