

# 300D, 310D, 315D Backhoe Loader Operation and Test

## TECHNICAL MANUAL TM1496 21SEP05 (ENGLISH)

For complete service information also see:

300D, 310D, 315D Backhoe Loaders Repair (Complete) . . . . .	TM1497
300D, 310D, 315D Backhoe Loaders Operation and Test (Complete) . . . . .	TM1496




# 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.

See DB1990 Service Publications Catalog to order a complete Technical Manual (TM) or a Technical Manual Section (TMS). A complete Operation and Test manual includes the following sections:

- TMS14969000  
Section 9000 General Information
- TMS14969005

Section 9005 Operational Checkout Procedure

Section 9010 Engine

- TMS14969015

Section 9015 Electrical System

- TMS14969020

Section 9020 Power Train

- TMS14969025

Section 9025 Hydraulics

- TMS14969031

Section 9031 Heating and Air Conditioning

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