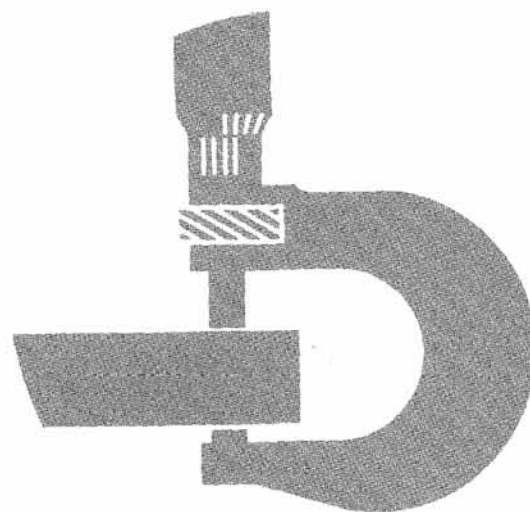


495D Excavator Operation and Tests



For complete service information also see:

495D Excavator	
Repair.	TM1457
4276 Engine	CTM4
4045 Engine	CTM8
Engine Accessories	CTM11

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.

Dealer Presentation Sheet

JOHN DEERE DEALERS

IMPORTANT: Please remove this page and route through your service department.

This is a complete revision TM1456, 495D Excavator.

Listed below is a brief explanation of "WHAT" was changed and "WHY" it was changed.

This manual was revised:

1. To update Section I with added safety information and new specifications.
2. To update Park Brake Lining Adjustment.
3. To update Travel Motor Displacement Control Valve Test and Adjustment.
4. To update Hydraulic Pump Regulator (Engine Pulldown).
5. To update Hydraulic Wallchart.
6. Miscellaneous art and specification changes.

Dealer Presentation Sheet

Contents

SECTION I—GENERAL INFORMATION

- Group I —Safety
- Group II —General Specifications
- Group III —Torque Values
- Group IV —Fuels and Lubricants

SECTION 9005—OPERATIONAL CHECKOUT PROCEDURE

- Group 10—Operational Checkout Procedure

SECTION 9010—ENGINE

- Group 05—Theory of Operation
- Group 10—System Operational Checks
- Group 15—Diagnostic Information
- Group 20—Adjustments
- Group 25—Tests

SECTION 9015—ELECTRICAL SYSTEM

- Group 00—Electrical System Operation and Test

SECTION 9020—POWER TRAIN

- Group 05—Theory of Operation
- Group 10—System Operational Checks
- Group 15—Diagnostic Information
- Group 20—Adjustments
- Group 25—Tests

SECTION 9025—HYDRAULIC SYSTEM

- Group 05—Theory Of Operation
- Group 10—System Operational Checks
- Group 15—Diagnostic Information
- Group 20—Adjustments
- Group 25—Tests

SECTION 9030—AIR SYSTEM

- Group 05—Theory of Operation
- Group 10—System Operational Checks
- Group 15—Diagnostic Information
- Group 25—Tests

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.

TM1456-19-04SEP90

COPYRIGHT© 2001
DEERE & COMPANY
Moline, Illinois
All rights reserved
A John Deere ILLUSTRATION™ Manual
Previous Editions
Copyright© 1990, 1988 Deere & Company



Thank you very much
for your reading.
Please click here
to get more information.