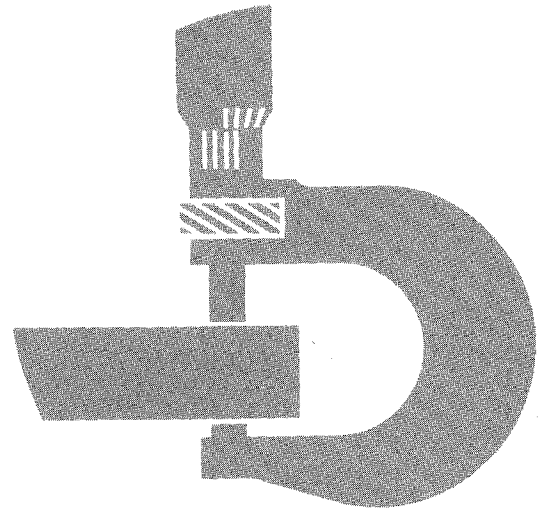


John Deere 493D Feller-Buncher



TECHNICAL PDF  **DOWNLOAD** 

TM-1415 (Jun-88)

LITHO IN U.S.A.

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 types 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 technicals manuals are written as stand-alone manuals covering multiple machine applications.

JOHN DEERE DEALERS

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

This is TM-1415, 493D Feller-Buncher.

The pages are dated (Jun-88). Listed below is a brief explanation.

This manual is to be used with:

TM-1390 490D Excavator Repair, and
TM-1389 490D Excavator Operation and Tests

Both Feller Buncher repair and operation/test information are in this manual.

493D FELLER-BUNCHER TECHNICAL MANUAL TM-1415 (JUN-88)

SECTION AND GROUP CONTENTS

NOTE: This manual covers 493D Feller-Buncher Repair/Operation and Test, use with TM-1389 490D Excavator Operation and Test and TM-1390 490D Excavator Repair.

SECTION I—GENERAL INFORMATION

- Group I—Safety Information
- Group II—General Specifications
- Group III—Torque Values
- Group IV—Fuels and Lubricants
- Group V—Inspection Procedures

SECTION 01—TRACKS

- Group 0130—Track System
 - Lower Track Roller, Track Sag

SECTION 05—ENGINE AUXILIARY SYSTEMS

- Group 0510—Cooling System
- Group 0520—Intake System

SECTION 16—ELECTRICAL

- Group 1674—Wiring Harness and Switches
 - Controller Switches

SECTION 18—OPERATOR'S STATION

- Group 1800—Removal and Installation
 - FOPS, Cab
- Group 1810—Operator Enclosure
 - FOPS

SECTION 33—EXCAVATOR

- Group 3340—Frames
 - Arm, Boom
- Group 3360—Hydraulic System
 - Main Control Valve, Forestry Package Control Valve, Reservoir, Oil Cooler Bypass Valve, Controllers and Valve, Solenoid Valves, Pressure Control Valve, Pilot Filter, Pilot Shut-Off Valve

SECTION 9005—OPERATIONAL CHECK-OUT PROCEDURE

- Group 10—Operational Checkout Procedure

SECTION 9015—ELECTRICAL SYSTEM

- Group 05—Theory of Operation
- Group 15—Diagnostic Information

SECTION 9020—POWER TRAIN

- Group 20—Adjustments

SECTION 9025—HYDRAULIC SYSTEM

- Group 05—Theory of Operation
- Group 15—Diagnostic Information
- Group 25—Tests

All information, illustrations and specifications contained in this technical 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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A JOHN DEERE ILLUSTRATION™ Manual





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