

9950 Cotton Picker



TECHNICAL MANUAL

9950 Cotton Picker

TM1349 (01Mar89) English



TM1349 (01Mar89)

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 types of failures and their causes. FOS Manuals are for training new personnel and for reference by experienced technicians.

Technicals 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.

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Please remove this page and route through your service department.

This is a complete revision for TM-1349, 9950 Cotton Picker.

Binder and tabs from old manual may be saved and used with this manual.

New pages are dated (Mar-89). Listed below is a brief explanation of "WHAT" was changed and "WHY" it was changed.

This manual was revised:

- 1. To show how to install the new lid parts required on 305 mm (12 in.) extensions.
- 2. To show replacement procedures and bleeding procedures for one filter fuel system.
- 3. To remove alternator repair information for both Motorola and Nippondenso. Refer to CTM-11 for repair and diagnostic information.
- 4. To show new repair information on hydrostatic drive and transmission because of addition of operator presence system.
- 5. To show new removal/installation and repair procedure for final drive axle.
- 6. To remove repair, operation and test information on 22.6 cm³ (1.38 cu. in.) hydraulic pump. Refer to CTM-7 for repair and diagnostic information.
- 7. To revise main control valve repair information because of addition of an orifice to port "F".
- 8. To revise basket lift cylinder repair information because of removal of an orifice plate from rear cylinder and revised orifice diameter in front cylinder.
- 9. To include repair information for new height sensing control valve.
- 10. To include repair information for new full length sleeved picker bars.
- 11. To revise the cotton fan repair information. The fan shaft has been revised. The inlet cap screw torque has been increased, and rotor-to-inlet running clearance changed. The water pump drive sheave mounting to fan shaft has been revised.
- 12. To revise the operational checks to include the operator presence and by-pass system diagnostic procedures.
- 13. To provide test procedure for operator presence interlock module, adjustment procedure for picking unit engaged switch and a wiring diagram for the operator presence system.
- 14. To provide a new complete hydraulic and J.I.C. diagrams for machines above Serial No. 4001.

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Thank you very much for your reading.

Please click here to get more information.