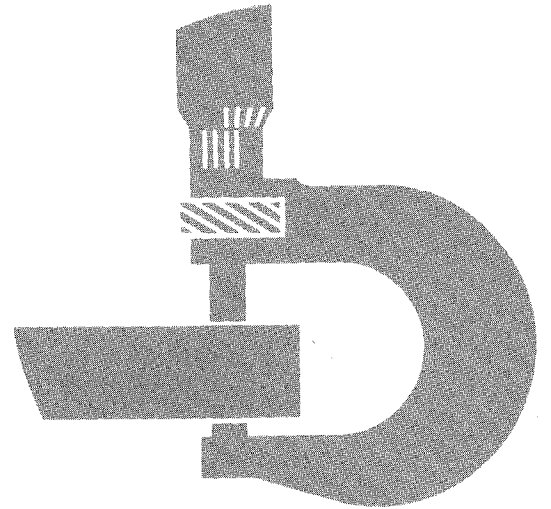


344E and 444E Loaders Repair



TECHNICAL PDF



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For complete service information

344E and 444E Loader Operation and Test	TM1421
Teammate Axles	CTM18
Teammate II Axles	CTM43
4276 Engine	CTM4
4045 Engine	CTM8
Alternators and Starting Motors	CTM77

John Deere Dubuque Works
TM1422 (02AUG94)

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 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.

JOHN DEERE DEALERS

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

This is a complete revision for TM-1422 (Dec-91) 344E and 444E Loader—Repair.

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

This manual was revised:

1. To update Groups 0200 and 0210.
 - 444E axle serial number break was added for TeamMate and TeamMate II axles.
 - 444E axle and differential repair procedures have been deleted from this manual. (CTM18 and CTM43 contain all the necessary information for complete repair of 444E TeamMate and TeamMate II differential and axle assemblies.)
 - Front and rear oscillating axle support procedures have been revised and moved to Group 0200.
2. To update Groups 0300 and 0360.
 - New procedure added for flushing the hydrostatic motor hoses and the hydrostatic oil cooler.
 - New art added, existing art revised, and text corrected in the HST Motor and HST Pump disassemble and assemble procedures.
 - The Starting Point Valve and Control Pressure Regulating Valve repair procedures have been revised to include an “initial setting” adjustment. New art and minor text changes has been added for later version.
3. To add new procedure for removing and installing the DB4 (retained shaft) injection pump in Group 0400.
4. To add new procedure for disassembling and assembling steering cylinder (Group 0960) for machines (S.N. 001192—).
5. To update Group 1060.
 - New art added and text revised to include repairing and charging brake accumulator for 444E machines (S.N. 001337—).
 - Brake bleed procedure for 344E has been revised.
6. To delete the alternator disassemble and assemble procedures on Group 1672. (CTM77 contains all necessary information for complete alternator repair.)
7. To revise and update the air conditioning procedures to include proper handling of R12 refrigerant and use of the R12 refrigerant recovery system.
8. To add new art for bucket and boom hydraulic cylinder repair procedure (Group 3160) for machines (S.N. 001192—).
9. To correct and update miscellaneous art and text throughout manual.



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for your reading.
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to get more information.