

790D, 790D-LC, and 892D-LC Excavator Repair

REPAIR TECHNICAL MANUAL

790D, 790DLC, 892DLC

TM1396 21FEB05 (ENGLISH)

For complete service information also see:

790D, 790D-LC and 892D-LC Excavator
Diagnostic TM1395

Alternators and Starting Motors CTM77

Series 400, 6076 Diesel Engines CTM42

PowerTech 4.5L & 6.8L Diesel Engines
Tier 1/Stage I, Tier 2/Stage II, Tier
3/Stage IIIA, Tier 3/Stage IIA Tier 3/Stage
III, (Base Engine) CTM104

JDG10274 Ultrasonic Undercarr
Measurement Gauge



John Deere Construction and Forestry

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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.

CAUSYM: 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.

IMPORTANT:

Please remove this page and route through your service department.

This is a revision for TM-1396, 790D, 790D-LC, and 892D-LC Excavators-Operations and Test.

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

This manual was revised:

[1] - Update Section I with latest safety and specifications.

[2] - Update track pitch wear specifications and track shoe torque.

[3] - Update gearbox oil capacity.

[4] - Added information to turbocharger removal and installation.

[5] - Added windowpane and molding removal and right upper window removal and installation.

[6] - Added new swing motor at serial number break.

[7] - Miscellaneous changes.

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for your reading.
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