

450J, 550J, 650J Crawler Dozer(S.N. 141667–159986) Repair

REPAIR TECHNICAL MANUAL

Dozer models 450J, 550J, 650J

TM10294 10 MAR 16 (ENGLISH)

For complete service information also see:

450J, 550J, 650J Crawler Dozer Diagnostic	TM10292
Alternators and Starting Motors	CTM77
PowerTech 4.5L & 6.8L Diesel Engines Level 12 Electronic Fuel System With Stanadyne DE10 Pump	CTM331
Super Caddy Oil Cleanup Procedure	CTM310
4000S Winches	CTM166
120 Series Hydraulic Cylinders	CTM10000
PowerTech 4.5L & 6.8L Diesel Engine Tier 1/Stage I, Tier 2/Stage II, Tier 3/Stage IIIA, Tier 3/Stage IIA Tier 3/Stage III, (Base Engine)	CTM10001
JDLINK/ZXLINK Machine Monitoring System	CTM10006
Ultrasonic Undercarriage Measurement Gauge	CTM10001

PDF



DOWNLOAD



John Deere Construction and Forestry

Table of contents

FOREWORD

TECHNICAL INFORMATION FEEDBACK FORM

Section 00 - GENERAL INFORMATION

Group 01 - Safety

Group 03 - Torque Values

Section 01 - TRACKS

Group 0130 - Track System

Section 02 - AXLES AND SUSPENSION SYSTEMS

Group 0201 - Drive Axle Housing and Support

Group 0250 - Axle Shaft, Bearings, and Reduction Gear

Section 03 - TRANSMISSION

Group 0300 - Removal and Installation

Group 0315 - Controls Linkage

Group 0360 - Hydrostatic System

Section 04 - ENGINE

Group 0400 - Removal and Installation

Section 05 - ENGINE AUXILIARY SYSTEMS

Group 0505 - Cold Weather Starting Aids

Group 0510 - Radiator and Fan Shroud

Group 0515 - Engine Speed Control

Group 0520 - Intake System

Group 0530 - External Exhaust System

Group 0540 - Mounting Frame

Group 0560 - External Fuel Supply System

Section 07 - DAMPENER DRIVE

Group 0752 - Elements

Section 11 - PARK BRAKE

Group 1100 - Removal and Installation

Group 1115 - Control Linkage

Group 1160 - Hydraulic System

Section 15 - EQUIPMENT ATTACHING

Group 1540 - Ripper

Section 18 - OPERATOR'S STATION

Group 1800 - Removal and Installation

Group 1810 - Operator's Enclosure

Group 1821 - Seat and Seat Belt

Group 1830 - Heating and Air Conditioning

Section 19 - SHEET METAL AND STYLING

Group 1910 - Hood and Engine Enclosure

Group 1921 - Grille and Grille Housing

Section 21 - MAIN HYDRAULIC SYSTEM

Group 2160 - Hydraulic System

Section 32 - BULLDOZER

Group 3201 - Blades

Group 3215 - Control Linkage

Group 3240 - Frames

Group 3260 - Hydraulic System

Section 9900 - DEALER FABRICATED TOOLS

Group 0999 - Dealer Fabricated Tools

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.



CAUTION:

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.



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