

670D, 672D, 770D, 772D, 870D, and 872D Motor Grader Repair



REPAIR TECHNICAL MANUAL

Graders models 670D, 770D, 870D; HFWD models 672D, 772D, 872D

TM2256 30 JAN 15 (ENGLISH)

For complete service information also see:

670D, 672D, 770D, 772D, 870D, and 872D Motor Grader Diagnostic	TM2246
JDLINK (MTG) Technical Manual	TM114519
PowerTech 8.1 L Diesel Engines Base Engine	CTM86
Alternators and Starting Motors	CTM77
TeamMate II 1200, 1400, and 1600 Series Inboard Planetary Axles	CTM43
DF230 Series Transmission	
Super Caddy Oil Cleanup Procedure	
DF180 Series Powershift Transmission Repair	
PowerTech 8.1L Diesel Engines Level 9 Electronic Fuel System With Denso High Pressure Common Rail	CTM255
PowerTech 4.5 L & 6.8 L Diesel Engines, Level 11 Electronic Fuel System with Denso HPCR	CTM220
120 Series Hydraulic Cylinders	CTM114319
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
JDLINK/ZXLINK Machine Monitoring System	CTM10006



Table of contents

FOREWORD

TECHNICAL INFORMATION FEEDBACK FORM

Section 00 - GENERAL INFORMATION

Group 001 - Safety

Group 0003 - Torque Values

Section 01 - WHEELS

Group 0110 - Powered Wheels and Fasteners

Section 02 - AXLES AND SUSPENSION SYSTEMS

Group 0225 - Input Drive Shafts and U-Joints

Group 0230 - Non-Powered Wheel Axles

Group 0240 - Powered Wheel Axles

Group 0250 - Axle Shafts, Bearings, and Reduction Gears

Group 0260 - Hydraulic System

Section 03 - TRANSMISSION

Group 0300 - Removal and Installation

Group 0360 - Hydraulic System

Section 04 - ENGINE

Group 0400 - Removal and Installation

Section 05 - ENGINE AUXILIARY SYSTEM

Group 0510 - Cooling System

Group 0560 - External Fuel Supply Systems

Section 07 - TORSIONAL ISOLATOR

Group 0752 - Elements

Section 09 - STEERING SYSTEM

Group 0920 - Power Steering

Group 0960 - Hydraulic System

Section 10 - SERVICE BRAKES

Group 1011 - Active Elements

Group 1060 - Hydraulic System

Section 11 - PARK BRAKE

Group 1111 - Active Elements

Section 17 - FRAME, CHASSIS OR SUPPORTING STRUCTURE

Group 1740 - Frame Installation

Section 18 - OPERATOR'S STATION

Group 1800 - Removal and Installation

Group 1810 - Operator Enclosure

Group 1821 - Seat and Seat Belt

Group 1830 - Heating and Air Conditioning

Section 19 - SHEET METAL AND STYLING

Group 1921 - Grille and Grille Housing

Section 21 - MAIN HYDRAULIC SYSTEM

Group 2160 - Hydraulic System

Section 34 - GRADING DEVICE

Group 3415 - Controls Linkage

Group 3440 - Frames

Group 3450 - Circle Gearbox

Group 3460 - Hydraulic System

Section 42 - GROUND CONDITIONING TOOL

Group 4240 - Frames

Section 99 - DEALER FABRICATED TOOLS

Group 9900 - 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.

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