

640H and 648H Skidder (SN. from 630436) Diagnostic



JOHN HARE



COLLECTION

OPERATION AND TEST MANUAL

Cable models 6410H; Grapple models 648H (SN. 630436-)

TM11795 30 JUN 15 (ENGLISH)

For complete service information also see:

640H and 648H Skidder (SN. 630436-) Repair	TM11811
JDLink (MTG) Technical Manual	TM114519
Alternators and Starting Motors	CTM77
TMIV1200 - 1400 Series Inboard Planetary Axles	CTM442
60 and 6000 Winches	CTM41
PowerTech 4045, 6068 Diesel Engine	
Denso High Pressure Common Rail (H)	
Super Caddy Oil Cleanup Procedure	
DF180 Series Powershift Transmission Repair Ma.	CTM308
40 and 4000 Winches	CTM25
120 Series Hydraulic Cylinders	CTM114319
125 Series Hydraulic Cylinders	CTM109319
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



John Deere Construction and Forestry
Printed by Belgreen



Table of contents

FOREWORD

TECHNICAL INFORMATION FEEDBACK FORM

Section 9000 - GENERAL INFORMATION

Group 01 - Safety

Section 9001 - DIAGNOSTIC TROUBLE CODES (DTC)

Group 10 - Engine Control Unit (ECU) Diagnostic Trouble Codes

Group 20 - Transmission Control Unit (TCU) Diagnostic Trouble Codes

Group 30 - Standard Display Monitor (SDM) Diagnostic Trouble Codes

Group 40 - Flex Load Controller (FLC) Diagnostic Trouble Codes

Group 50 - Sealed Switch Module (SSM) Diagnostic Trouble Codes

Group 60 - Bump Shift Controller (BSC) Diagnostic Trouble Codes

Section 9005 - OPERATIONAL CHECKOUT PROCEDURE

Group 10 - Operational Checkout Procedure

Section 9010 - ENGINE

Group 05 - Theory of Operation

Group 15 - Diagnostic Information

Group 25 - Tests

Section 9015 - ELECTRICAL SYSTEM

Group 05 - System Information

Group 10 - System Diagrams

Group 15 - Sub System Diagnostics

Group 16 - Monitor Operation

Group 20 - References

Section 9020 - POWER TRAIN

Group 05 - Theory of Operation

Group 15 - Diagnostic Information

Group 20 - Adjustments

Group 25 - Test

Section 9025 - HYDRAULIC SYSTEM

Group 05 - Theory of Operation

Group 15 - Diagnostic Information

Group 20 - Adjustments

Group 25 - Test

Section 9030 - WINCH

Group 05 - Theory of Operation

Group 15 - Diagnostic Information

Group 20 - Adjustments

Group 25 - Test

Section 9031 - HEATING AND AIR CONDITIONING

Group 05 - Theory of Operation

Group 15 - Diagnostic Information

Group 25 - Tests

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.