

# 640G-III, 648G-III and 460D Skidder (SN. from 604614) Diagnostic



JOHN HARE



COLLECTION

## OPERATION AND TEST MANUAL

**Cable models 640G-III, 460D ; Grapple models 648G-III (SN. 604614-)**

**TM1084 30 JUN 15 (ENGLISH)**

**For complete service information also see:**

JLink (MTG) Technical Manual	TM114519
640G-III,648G-III, 460D, 460DG Skidder (SN. from 604614) Repair	TM1086
Alternators and Starting Motors	CTM77
TMIV1200 - 1400 Series Inboard Planetary Axles	CTM442
TeamMate II 1200, 1400,and 1600 Series Inboard Planetary Axles	CTM43
60 and 6000 Winches	
Super Caddy Oil Cleanup Procedure	
DF180 Series Powershift Transmission Repair	
40 and 4000 Winches	CTM25

PDF



DOWNLOAD



## Table of contents

### **FOREWORD**

### **TECHNICAL INFORMATION FEEDBACK FORM**

#### **Section 9000 - GENERAL INFORMATION**

Group 01 - Safety Information

#### **Section 9005 - OPERATIONAL CHECKOUT**

Group 10 - Operational Checks

#### **Section 9010 - ENGINE**

Group 05 - Theory of Operation

Group 15 - Diagnostic Information

Group 20 - Adjustments

Group 25 - Tests

#### **Section 9015 - ELECTRICAL SYSTEM**

Group 05 - System Information

Group 10 - System Diagrams

Group 15 - Sub-System Diagnostics

Group 20 - References

#### **Section 9020 - POWER TRAIN**

Group 05 - Theory of Operation

Group 15 - Diagnostic Information

Group 20 - Adjustments

Group 25 - Tests

#### **Section 9025 - HYDRAULIC SYSTEM**

Group 05 - Theory of Operation

Group 15 - Diagnostic Information

Group 20 - Adjustments

Group 25 - Tests

#### **Section 9030 - WINCH**

Group 05 - Theory

Group 15 - Diagnostic Information

Group 20 - Adjustments

Group 25 - Tests

#### **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.