

848G / 660D GRAPPLE SKIDDER

(Serial No. WC848GX001029 --)
(Serial No. WC660DG001259 --)
(Serial No. WC660DC001259 --)

TECHNICAL MANUAL
848G / 660D GRAPPLE SKIDDER
TMF435521 25FEB03 (ENGLISH)

For complete service information also see:

POWERTECH® 8.1L Diesel Engines CTM86
Alternators and Starting Motors CTM77

**Worldwide Construction
And Forestry Division**
LITHO IN U.S.A.

Introduction


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.



 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.



The Service Manual is intended to provide technical information, component specifications, troubleshooting and removal, disassembly and reassembly procedures for most of the major components of the felling head. Use this manual in conjunction with the applicable Operator Manual and the applicable Carrier Service Manuals.



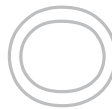
When practical, the Service Manual lists likely causes of malfunctions, offers test procedures to verify causes and then illustrates the steps for the adjustment or repair procedure(s).

Troubleshooting must always be a multi-step process. Use the following steps:

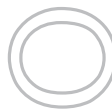
1. Know the operation of the attachment.
2. Ask the operator about symptoms and when they occur.
3. Operate the attachment yourself if practical.
4. List all possible causes.
5. Inspect for obvious causes.
6. Carry out diagnostic procedures like pressure and leakage testing to pinpoint the cause.



Component specifications provide performance and mode of operation information that can be very useful in troubleshooting.



Disassembly and reassembly procedures are given for many major components. When possible, clearance and torques are given. If a manufacturer's service manual is available, it should be given priority.



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0010 How To Use This Book

1. Serial Numbers

This Manual covers the full range of 848G and 660D Skidder serial numbers: See front cover for serial number details.

2. Component Numbers

The manual is divided into Chapters. Chapter 1, for example, details the engine system and includes the engine mounting, cooling system, coupling, exhaust and air intake systems. Each chapter starts with a Table of Contents giving details and page references.

Each Chapter is further divided into smaller sections. Each section is identified with a unique number that relates to the warranty system. For example, all parts used in the engine air intake system are found under section 1700.

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