

SHOP MANUAL

KOMATSU

HA 250

HA 270

CONTENTS

0.0 GENERAL INSTRUCTION

1.0 ENGINE

2.0 TRANSMISSION

- 2.1 STRUCTURE AND FUNCTION
- 2.2 TESTING AND ADJUSTING
- 2.3 DISASSEMBLY AND ASSEMBLY
- 2.4 MAINTENANCE STANDARD
- 2.5 TROUBLESHOOTING

3.0 DRIVELINE, BRAKES AND WHEELS

- 3.1 STRUCTURE AND FUNCTION
- 3.2 TESTING AND ADJUSTING
- 3.3 DISASSEMBLY AND ASSEMBLY
- 3.4 MAINTENANCE STANDARD
- 3.5 TROUBLESHOOTING

4.0 AIR SYSTEM

- 4.1 STRUCTURE AND FUNCTION
- 4.2 TESTING AND ADJUSTING
- 4.3 DISASSEMBLY AND ASSEMBLY
- 4.4 MAINTENANCE STANDARD
- 4.5 TROUBLESHOOTING

5.0 HYDRAULIC SYSTEM

- 5.1 STRUCTURE AND FUNCTION
- 5.2 TESTING AND ADJUSTING
- 5.3 DISASSEMBLY AND ASSEMBLY
- 5.4 MAINTENANCE STANDARD
- 5.5 TROUBLESHOOTING

6.0 ELECTRICAL SYSTEM

- 6.0 ELECTRICAL DIAGRAM
- 6.1 STRUCTURE AND FUNCTION

7.0 FRONT CHASSIS

- 7.1 STRUCTURE AND FUNCTION

8.0 REAR CHASSIS

- 8.1 STRUCTURE AND FUNCTION
- 8.2 TESTING AND ADJUSTING
- 8.3 DISASSEMBLY AND ASSEMBLY

9.0 ACCESSORIES

- 9.0.1 AIR CONDITION FILLING INSTRUCTION

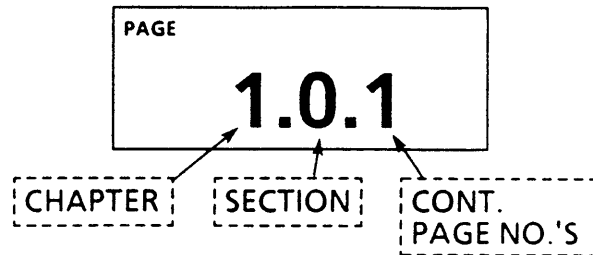
0.0. GENERAL INSTRUCTION

- 0.0. 2 FOREWORD
- 0.0. 3 TYPE OF SEALINGS, COMPOUNDS AND LUBRICANTS
- 0.0. 4 WEIGHTS AND MEASURES
- 0.0. 5 TORQUE LIMIT TABLE
- 0.0. 6 SAFETY IN SERVICE WORK SHOPS
- 0.0.26 PRECAUTION FOR DISASSEMBLY AND ASSEMBLY
- 0.0.30 GENERAL LOCATION
- 0.0.31 DRIVE LINE VIEW
- 0.0.32 MACHINE SPECIFICATION (HA270-1)
- 0.0.34 MACHINE SPECIFICATION (HA250-1)
- 0.0.36 MACHINE SPECIFICATION (HA270-3 & HA250-3)
- 0.0.38 PERFORMANCE CHART (HA270-3)
- 0.0.39 EXHAUST BRAKE CAPACITY DIAGRAM (HA270-3)
- 0.0.40 PERFORMANCE CHART (HA250-3)
- 0.0.41 EXHAUST BRAKE CAPACITY DIAGRAM (HA250-3)
- 0.0.42 FILLING CAPACITIES
- 0.0.43 OIL AND FLUID SPECIFICATION
- 0.0.44 TRANSMISSION OIL LIST

FOREWORD

The Shop Manual is prepared as an aid in quality repairs by giving the service man an understanding of the dump truck, and showing him the correct way of perform repairs and make judgements. Make sure that you understand the manual and use it at every available opportunity. The manual will also be a good help to office personel and other persons which are involved with the dump truck in one way or another.

HOW TO READ THE PAGE REFERENCE:



The manual is divided into following sections:

STRUCTURE AND FUNCTION (-.1.0):

This section explains how the components are build and how they works.

TESTING AND ADJUSTING (-.2.0):

This section explains checks to be made before and after performing repairs as well as adjustments to be done at the completion of the checks and repairs.

DISASSEMBLY AND ASSEMBLY (-.3.0):

This section describes how to remove, install, disassemble, repair and assemble components, and the work order. Special tools are listed at the end of each chapter. The special tools are an excellent aid in the work shop. By using special tools, the job will be easier to perform and in some cases a special tool is required to carry out the work. List of all special tools for the complete truck are listed in the "Special Tool Guide".

MAINTENANCE STANDARD (0.4.0):

This section gives the judgement standards when inspecting disassembled parts.

TROUBLE SHOOTING (-.5.0):

This section is an first aid when a fault is detected, before the practical searching starts. A skilled and trained mechanic together with the Shop Manual is the best trouble shooter when a repair instruction is needed.

This manual is originally produced by MOXY TRUCKS AS, 6440 Einesvågen, Norway and partially modified by KOMATSU, Tokyo, Japan.

THIS MANUAL MUST NOT BE REPRODUCED, TRANSLATEED OR MADE AVAILABLE TO A THIRD PARTY, FULLY OR PARTIALLY, WITHOUT OUR WRITTEN PERMISSION.

TYPES OF SEALING- / LOCKING COMPOUNDS AND LUBRICANTS.

- LOCTITE 242: Middle strength.
For locking of screws, bolts and nuts.
- LOCTITE 270: High strength.
For locking of screws bolts and nuts.
- LOCTITE 601: High strength.
For locking of bearings, bushings, etc.
- LOCTITE 638: Extra high strength.
For locking of bearings, bushings, etc.
- LOCTITE 574: Master gasket as floating gasket.
- LOCTITE 572: For sealing between cylinder liner and engine.
- MOLYCOTE 321R*: For greasing of thrust rings, bearing rings,
shafts and bushings before assembly.
- WÜRTH 210: For protection against corrosion on electrical wires
and components.

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$