TEN00746-06

Operation & Maintenance Manual

ARTICULATED
DUMP TRUCK

HM400-5

SERIAL NUMBERS 10238 and up

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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TABLE OF CONTENTS

FOREWORD ... 1-1
READ THIS MANUAL ... 1-2
SAFETY INFORMATION ... 1-3
INTRODUCTION ... 1-4
MAIN USE OF MACHINE ... 1-4
DIRECTIONS OF MACHINE ... 1-4
VISIBILITY FROM OPERATOR'S SEAT ... 1-4
ENGINE TECHNOLOGY TO CONFORM EXHAUST GAS EMISSION ... 1-5
PRODUCT INFORMATION ... 1-6
LOCATION OF PRODUCT IDENTIFICATION NUMBER (PIN)/MACHINE SERIAL NO. PLATE ... 1-6
LOCATION OF ENGINE NUMBER PLATE ... 1-6
SERVICE METER LOCATION ... 1-7
YOUR MACHINE SERIAL NUMBERS AND DISTRIBUTOR ... 1-7
SAFETY ... 2-1
SAFETY LABELS ... 2-2
LOCATION OF SAFETY LABELS ... 2-3
CONTENTS OF SAFETY LABELS ... 2-6
GENERAL PRECAUTIONS COMMON TO OPERATION AND MAINTENANCE ... 2-12
PRECAUTIONS BEFORE STARTING OPERATION ... 2-12
PREPARATIONS FOR SAFE OPERATION ... 2-12
PRECAUTIONS TO PREVENT FIRE ... 2-14
PRECAUTIONS WHEN GETTING ON OR OFF MACHINE ... 2-16
DO NOT GET CAUGHT IN WORK EQUIPMENT ... 2-18
PRECAUTIONS RELATED TO PROTECTIVE STRUCTURES ... 2-18
UNAUTHORIZED MODIFICATION ... 2-18
PRECAUTIONS RELATED TO ATTACHMENTS AND OPTIONS ... 2-18
PRECAUTIONS WHEN RUNNING ENGINE INSIDE BUILDING ... 2-19
PRECAUTIONS FOR OPERATION ... 2-20
PRECAUTIONS FOR JOBSITE ... 2-20
START ENGINE ... 2-23
PRECAUTIONS FOR OPERATION ... 2-26
TRANSPORTATION ... 2-30
TOWING AND BEING TOWED ... 2-31
PRECAUTIONS FOR MAINTENANCE ... 2-32
PRECAUTIONS BEFORE STARTING INSPECTION AND MAINTENANCE ... 2-32
PRECAUTIONS FOR CHECK AND MAINTENANCE ... 2-38
TIRES ... 2-43
PRECAUTIONS FOR DEF ... 2-44
GENERAL CHARACTER AND PRECAUTIONS FOR HANDLING ... 2-44
PRECAUTIONS FOR ADDING ... 2-44
PRECAUTIONS FOR STORING ... 2-44
PRECAUTIONS FOR FIRE HAZARD AND LEAKAGE ... 2-44
OTHER PRECAUTIONS ... 2-44
OPERATION ... 3-1
GENERAL VIEW ... 3-2
MACHINE EQUIPMENT NAME ... 3-2
CONTROLS AND GAUGES NAMES ... 3-3
OTHER EQUIPMENT NAME ... 3-7
EXPLANATION OF COMPONENTS ... 3-10
EXPLANATION OF MACHINE MONITOR EQUIPMENT ... 3-10
SWITCHES ... 3-108
CONTROL LEVERS AND PEDALS ... 3-120
OTHER EQUIPMENT ... 3-125
MACHINE OPERATIONS AND CONTROLS ... 3-170
CHECKS AND ADJUSTMENT BEFORE STARTING ENGINE ... 3-170
METHOD FOR STARTING ENGINE ... 3-204

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METHOD FOR OPERATIONS AND CHECKS AFTER STARTING ENGINE 3-208
METHOD FOR STOPPING ENGINE 3-210
METHOD FOR CHECKING AFTER STOPPING ENGINE 3-210
START MACHINE (TRAVEL FORWARD AND REVERSE) AND STOP MACHINE 3-211
METHOD FOR SHIFTING GEARS 3-216
METHOD FOR TRAVELING DOWNHILL 3-218
METHOD FOR TURNING MACHINE 3-224
OPERATE WITH INTER-AXLE DIFFERENTIAL LOCK 3-225
HANDLE AUTOMATIC RETARDER, ACCELERATOR CONTROL (ARAC) 3-226
OPERATION OF ARAC SYSTEM 3-227
HANDLE KOMATSU TRACTION CONTROL SYSTEM (KTCS) 3-228
OPERATION OF KTCS SYSTEM 3-230
OPERATION IF TROUBLES ON SYSTEM OCCUR 3-230
OPERATION IF TIRES ARE STUCK IN GROUND 3-230
METHOD FOR LOADING 3-231
METHOD FOR DUMPING 3-233
METHOD FOR OPERATING CAB TILT 3-235
PRECAUTIONS FOR OPERATION 3-242
METHOD FOR PARKING MACHINE 3-243
METHOD FOR CHECKING AFTER FINISHING WORK 3-244
LOCK 3-244
HANDLE TIRE 3-254
HANDLE AIR CONDITIONER 3-255
EXPLANATION OF AIR CONDITIONER EQUIPMENT 3-256
METHOD FOR OPERATING AIR CONDITIONER 3-263
HANDLE RADIO 3-270
EXPLANATION OF RADIO EQUIPMENT 3-270
METHOD FOR CONTROLLING RADIO 3-273
DUMP BODY HEATING SPECIFICATIONS 3-276
DETERMINE AND MAINTAIN TRAVEL ROAD 3-277
TRANSPORTATION 3-278
PRECAUTIONS FOR TRANSPORTATION 3-278
PRECAUTIONS FOR TRANSPORTING MACHINE 3-278
SELECT TRANSPORTATION METHOD 3-278
METHOD FOR SECURING MACHINE 3-279
PRECAUTIONS FOR LIFTING MACHINE 3-280
COLD WEATHER OPERATION 3-284
COLD WEATHER OPERATION INFORMATION 3-284
PRECAUTIONS AFTER DAILY WORK COMPLETION IN COLD WEATHER 3-286
AFTER COLD WEATHER SEASON 3-286
PRECAUTIONS FOR LONG-TERM STORAGE 3-287
PREPARATION FOR LONG-TERM STORAGE 3-287
MAINTENANCE DURING LONG-TERM STORAGE 3-287
STARTING MACHINE AFTER LONG-TERM STORAGE 3-288
PREPARATION BEFORE TRAVELING AFTER LONG-TERM STORAGE 3-288
TROUBLES AND ACTIONS 3-289
ACTIONS WHEN RUNNING OUT OF FUEL 3-289
ACTIONS IF TRANSMISSION HAS TROUBLE 3-290
METHOD FOR LOWERING DUMP BODY IN EMERGENCY 3-290
PRECAUTIONS FOR TOWING MACHINE 3-291
PRECAUTIONS FOR DISCHARGED BATTERY 3-294
OTHER TROUBLE 3-299
MAINTENANCE 4-1
PRECAUTIONS FOR MAINTENANCE 4-2
CHECK SERVICE METER READING 4-2
KOMATSU GENUINE REPLACEMENT PARTS 4-2
KOMATSU GENUINE LUBRICANTS 4-2
ALWAYS USE CLEAN WASHER FLUID 4-2

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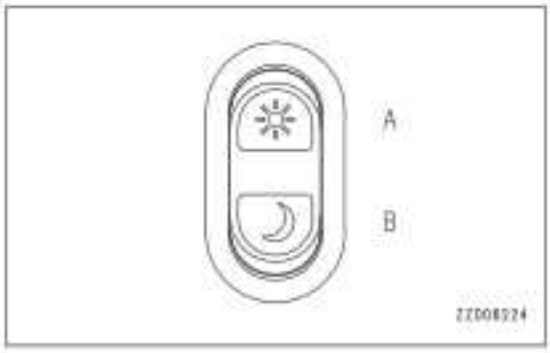
FRESH AND CLEAN LUBRICANTS 4-2
CHECK DRAINED OIL AND USED FILTER 4-2
PRECAUTIONS FOR REFILLING OIL OR FUEL 4-2
PRECAUTIONS FOR ADDING DEF 4-2
PRECAUTIONS FOR WELDING 4-2
DO NOT DROP THINGS INSIDE MACHINE 4-2
PRECAUTIONS FOR KDPF 4-2
PRECAUTIONS FOR SCR ASSEMBLY 4-3
DUSTY JOBSITES 4-3
AVOID MIXING OIL 4-3
LOCK INSPECTION COVERS 4-3
BLEED AIR FROM HYDRAULIC CIRCUIT 4-3
PRECAUTIONS WHEN INSTALLING HYDRAULIC HOSES 4-3
CHECKS AFTER INSPECTION AND MAINTENANCE 4-3
FUEL AND LUBRICANTS TO MATCH THE AMBIENT TEMPERATURE 4-3
OUTLINE OF MAINTENANCE 4-4
HANDLE OIL, FUEL, COOLANT, AND PERFORMING OIL CLINIC 4-5
HANDLE ELECTRICAL COMPONENTS 4-10
STANDARD TIGHTENING TORQUE FOR BOLTS AND NUTS 4-11
MAINTENANCE SCHEDULE 4-13
MAINTENANCE SCHEDULE TABLE 4-13
MAINTENANCE INTERVAL WHEN DIESEL FUEL MIXED WITH BIO-FUEL IS USED 4-15
MAINTENANCE PROCEDURE 4-16
INITIAL 250 HOURS MAINTENANCE (ONLY AFTER THE FIRST 250 HOURS) 4-16
WHEN REQUIRED 4-17
CHECKS BEFORE STARTING 4-43
EVERY 50 HOURS MAINTENANCE 4-44
EVERY 250 HOURS MAINTENANCE 4-45
EVERY 500 HOURS MAINTENANCE 4-60
EVERY 1000 HOURS MAINTENANCE 4-71
EVERY 2000 HOURS MAINTENANCE 4-88
EVERY 4000 HOURS MAINTENANCE 4-102
EVERY 4500 HOURS MAINTENANCE 4-106
EVERY 6000 HOURS MAINTENANCE 4-107
EVERY 8000 HOURS MAINTENANCE 4-109
EVERY 9000 HOURS MAINTENANCE 4-110
SPECIFICATIONS 5-1
SPECIFICATIONS 5-2
ATTACHMENTS AND OPTIONS 6-1
HANDLE CAB POWER TILT 6-2
HANDLING PAYLOAD METER 6-6
OUTLINE OF SYSTEM 6-6
NORMAL OPERATION DISPLAY 6-8
EXTERNAL DISPLAY LAMP 6-9
DETAILS OF DATA STORED IN MEMORY OF PAYLOAD METER 6-10
METHOD FOR DOWNLOADING DATA FROM CONNECTOR FOR DOWNLOAD 6-10
DISPLAY TOTAL PAYLOAD AND NUMBER OF CYCLES 6-13
DISPLAY FUEL CONSUMPTION RECORD 6-15
SETTING MACHINE ID AND OPEN ID 6-17
METHOD FOR PERFORMING CALIBRATION 6-19
REPLACEMENT PARTS 7-1
PERIODIC REPLACEMENT OF DEFINED LIFE PARTS 7-2
DEFINED LIFE PARTS LIST 7-2
CONSUMABLE PARTS 7-3
CONSUMABLE PARTS LIST 7-3
RECOMMENDED FUEL, COOLANT, AND LUBRICANT 7-4
LUBRICATION CHART 7-5

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MONITOR BRIGHTNESS SELECTOR SWITCH

The monitor brightness selector switch is used to select the brightness (luminosity) of the machine monitor and rear view monitor while lamp switch is turned ON.

When operating the machine with the headlamp lighting up during the day, if this switch is set to Day mode, monitor screen does not loose the brightness.



(A) Day position

The monitor screen is set to the day mode.

(B) Night position

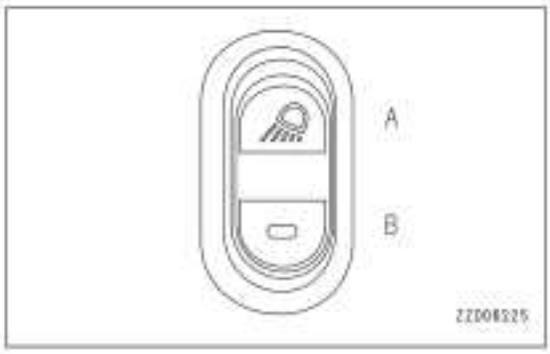
The monitor screen is set to the night mode.

REMARK

When the lamp switch is turned to OFF position, operating this switch does not change the brightness.

WORKING LAMP SWITCH

The working lamp switch is used to turn the working lamp ON or OFF.



Position (A)

Working lamp lights up.

Position (B)

Working lamp goes out.

SWITCH FOR MIRROR WITH HEATED WIRE

(if equipped)

Heated mirror switch is used to turn the heater for side view mirrors ON or OFF.



Position (A)

Wire heater ON

Position (B)

Wire heater OFF

REMARK

The wire heater does not automatically turn OFF when it becomes hot, so when it is not needed, turn the switch manually to OFF position.

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STORE OIL AND FUEL

- Keep oil and fuel indoors to prevent any water, dirt, or other impurities from getting in.
- When keeping drum cans for a long period, lay the drums so that the filler ports of the drums are located in the lower part of the side to prevent moisture from being sucked in. If drums have to be stored outside, cover them with a waterproof sheet or take other measures to protect them.
- To prevent any change in quality during long-term storage, be sure to use in the order of first in - first out (use the oldest oil or fuel first).

STORE DEF

- Completely seal up its container for storage. Only open containers in a well-ventilated area.
- When storing DEF, avoid direct sunlight. Always use the original container. Make sure that transfer equipment and tank must meet DEF compatible material specification. If DEF is stored in an iron or aluminum container, toxic gas may develop and a chemical reaction may corrode the container.
- The relationship between the upper limit of storage temperature and the storage period of DEF is shown in the table.

Temperature of storage area	Storage period
Max.10 °C {50 °F}	Up to 36 months
Max.25 °C {77 °F}	Up to 18 months
Max.30 °C {86 °F}	Up to 12 months
Max.35 °C {95 °F}	Up to 6 months

*: Do not store DEF in the temperature of 35 °C {95 °F} or above.

FILTER

- Filters are extremely important safety parts. They prevent impurities in the oil, fuel, and air circuits from entering important equipment and causing problems. Replace all filters periodically. For details, see Operation and Maintenance Manual.
  However, when working in severe conditions, replace the filters at shorter intervals according to the oil and fuel (sulfur content) being used.
- Never try to clean and use again the filters (cartridge type). Always replace them with new filters.
- When replacing oil filters, check if any metal particles are attached to the old filters.
  If any metal particles are found, consult your Komatsu distributor.
- Do not open packages of spare filters until just before they are to be used.
- Komatsu recommends using Komatsu genuine filters.

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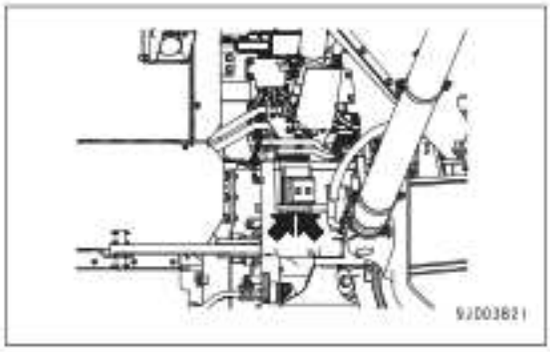
EVERY 50 HOURS MAINTENANCE

METHOD FOR LUBRICATING

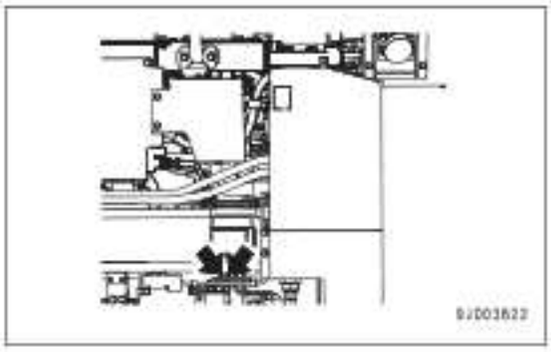
1. Stop the engine.
2. By using a grease pump, pump in grease through the grease fitting.
3. Check visually that the greasing has been performed properly.
4. After greasing, wipe off any old grease that is pushed out.

Perform the greasing work every day when operating the machine in the places where the grease flows out easily, such as when traveling through mud or water.

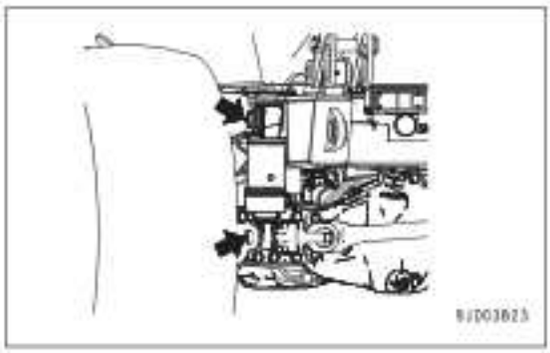
Front suspension (left) (2 places)



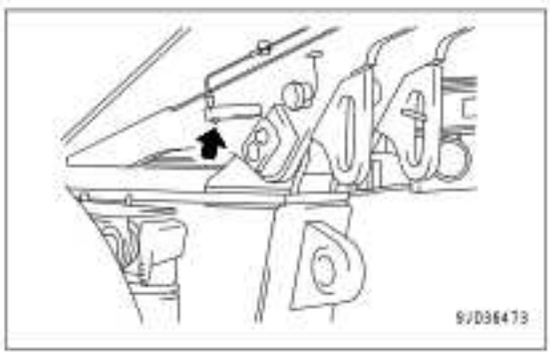
Front suspension (right) (2 places)



Rear suspension (right and left) (2 places each)



Tail gate hinge pin (right and left) (1 place each)
(if equipped)



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