Operation & Maintenance Manual

SEAM046000T

GALEO

PC300,300LC-7
PC350,350LC-7

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC300,300LC-40001 and up
PC350,350LC-20001

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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CONTENTS

FOREWORD

FOREWORD 1-2

SAFETY INFORMATION 1-5

INTRODUCTION 1-7
DIRECTIONS OF MACHINE 1-7

PRODUCT INFORMATION 1-8
MACHINE SERIAL NUMBER PLATE AND ITS LOCATION 1-8
ENGINE SERIAL NUMBER PLATE AND ITS LOCATION 1-8
SERVICE METER LOCATION 1-9
YOUR MACHINE SERIAL NUMBERS AND DISTRIBUTOR 1-9

CONTENTS 1-10

SAFETY

SAFETY INFORMATION 2-2

POSITION FOR ATTACHING SAFETY LABELS 2-4
POSITION FOR ATTACHING SAFETY LABELS 2-4
SAFETY LABELS 2-5

SAFETY INFORMATION 2-10

SAFETY MACHINE OPERATION 2-19
STARTING ENGINE 2-19
OPERATION 2-21
TRANSPORTATION 2-27
BATTERY 2-28
TOWING 2-30
LIFTING OBJECTS WITH BUCKET 2-31

SAFETY MAINTENANCE INFORMATION 2-32

OPERATION

GENERAL VIEW 3-2
GENERAL VIEW OF MACHINE 3-2
GENERAL VIEW CONTROLS AND GAUGES 3-3

EXPLANATION OF COMPONENTS 3-4
MACHINE MONITOR 3-4

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BASIC CHECK ITEMS ... 3-5
SWITCHES ... 3-17
CONTROL LEVERS, PEDALS ... 3-23
CEILING WINDOW ... 3-26
FRONT WINDOW ... 3-27
EMERGENCY EXIT FROM OPERATOR'S CAB ... 3-32
DOOR LOCK ... 3-32
CAP, COVER WITH LOCK ... 3-33
HOT AND COOL BOX ... 3-34
MAGAZINE BOX ... 3-34
ASHTRAY ... 3-34
HANDLING AIR CONDITIONER ... 3-35
CAR RADIO ... 3-49
FUSE ... 3-55
FUSIBLELINK ... 3-56
CONTROLLER (COMPUTER) ... 3-57
TOOLBOX ... 3-57
GREASE GUN HOLDER ... 3-57
HANDLING ACCUMULATOR ... 3-58

MACHINE OPERATIONS AND CONTROLS ... 3-59
BEFORE STARTING ENGINE ... 3-59
STARTING ENGINE ... 3-72
AFTER STARTING ENGINE ... 3-76
IN COLD AREAS (AUTOMATIC WARMING-UP OPERATION) ... 3-79
STOPPING THE ENGINE ... 3-82
CHECK AFTER SHUT OFF ENGINE ... 3-82
MACHINE OPERATION ... 3-83
STEERING THE MACHINE ... 3-87
SWINGING ... 3-89
WORK EQUIPMENT CONTROLS AND OPERATIONS ... 3-90
OPERATING WORKING MODE ... 3-92
PROHIBITED OPERATIONS ... 3-93
GENERAL OPERATION INFORMATION ... 3-95
TRAVELING ON SLOPES ... 3-96
ESCAPE FROM MUD ... 3-98
RECOMMENDED APPLICATIONS ... 3-99
REPLACEMENT AND INVERSION OF BUCKET ... 3-101
PARKING MACHINE ... 3-105
CHECK AFTER FINISHING WORK ... 3-106
LOCKING ... 3-107

TRANSPORTATION ... 3-108
TRANSPORTATION PROCEDURE ... 3-108
LOADING AND UNLOADING WITH TRAILER ... 3-109
LIFTING MACHINE ... 3-116

COLD WEATHER OPERATION ... 3-118

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COLD WEATHER OPERATION INFORMATION 3-118
AFTER DAILY WORK COMPLETION 3-120
AFTER COLD WEATHER SEASON 3-121

LONG TERM STORAGE 3-122
BEFORE STORAGE 3-122
DURING STORAGE 3-122
AFTER STORAGE 3-123

TROUBLESHOOTING 3-124
AFTER RUNNING OUT OF FUEL 3-124
PHENOMENA THAT ARE NOT FAILURES 3-124
TOWING THE MACHINE 3-125
LIGHTWEIGHT TOWING HOOK 3-125
PRECAUTIONS ON PARTICULAR JOBSITES 3-126
DISCHARGED BATTERY 3-127
OTHER TROUBLE 3-131

MAINTENANCE

MAINTENANCE INFORMATION 4-2

LUBRICANTS, COOLANT AND FILTERS 4-5
HANDLING OIL, FUEL, COOLANT, AND PERFORMING OIL CLINIC 4-5
ELECTRIC SYSTEM MAINTENANCE 4-8
HANDLING HYDRAULIC SYSTEM 4-8

WEAR PARTS LIST 4-10

USE OF FUEL, COOLANT AND LUBRICANTS ACCORDING TO AMBIENT TEMPERATURE 4-11
PROPER SELECTION OF FUEL, COOLANT AND LUBRICANTS 4-11

TIGHTENING TORQUE SPECIFICATIONS 4-15
TIGHTENING TORQUE LIST 4-15

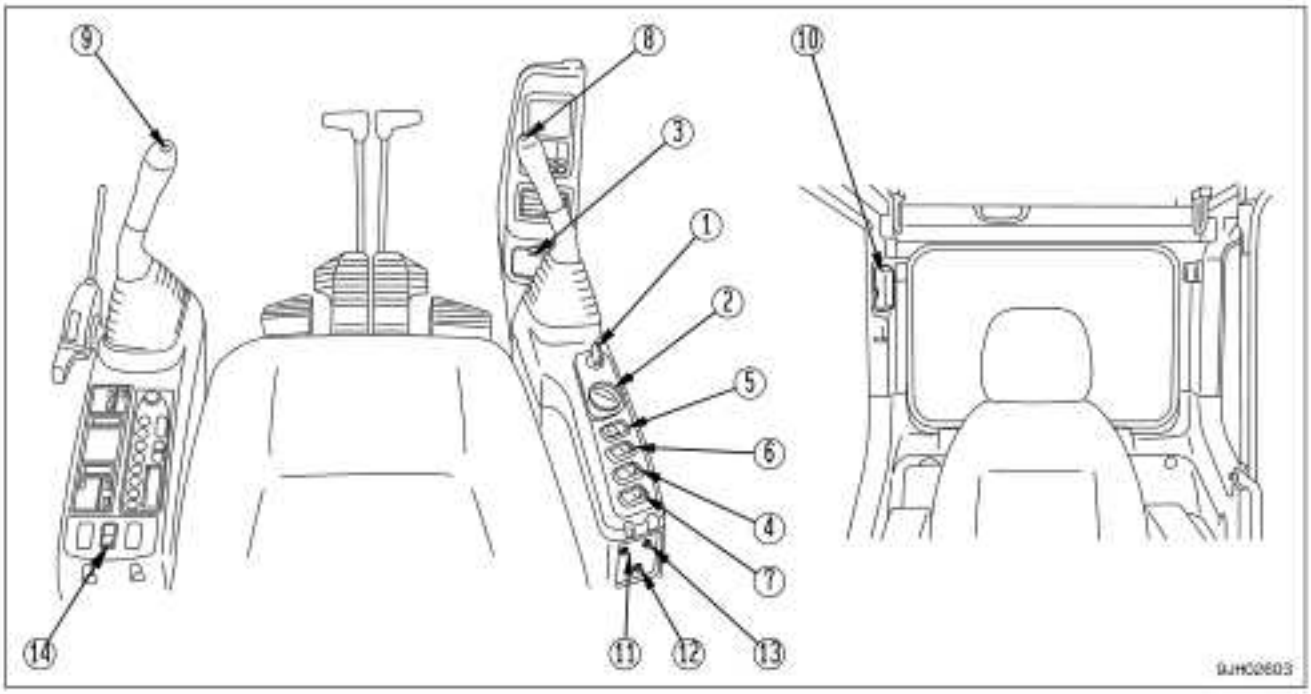
PERIODIC REPLACEMENT OF SAFETY CRITICAL PARTS 4-16
SAFETY CRITICAL PARTS 4-17

MAINTENANCE SCHEDULE 4-18
MAINTENANCE SCHEDULE CHART 4-18
MAINTENANCE INTERVAL FOR HYDRAULIC BREAKER 4-21

MAINTENANCE PROCEDURE 4-22
INITIAL 250 HOURS MAINTENANCE (ONLY AFTER THE FIRST 250 HOURS) 4-22
INITIAL 1000 HOURS MAINTENANCE (ONLY AFTER THE FIRST 1000 HOURS) 4-22
WHEN REQUIRED 4-23
CHECK BEFORE STARTING 4-49
EVERY 50 HOURS MAINTENANCE 4-50
EVERY 100 HOURS MAINTENANCE 4-51

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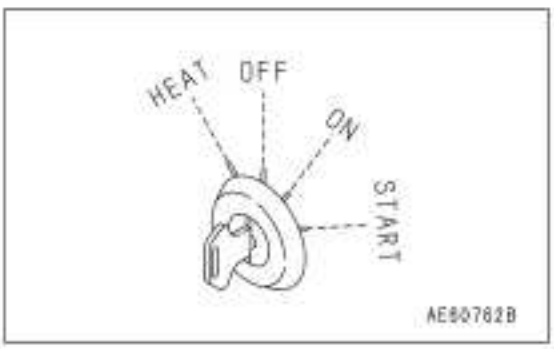
SWITCHES



(1) Starting switch
(2) Fuel control dial
(3) Cigarette lighter
(4) Swing lock switch
(5) Lamp switch
(6) Alarm buzzer stop switch
(7) Machine push-up switch
(8) Horn switch
(9) Knob switch
(10) Room lamp switch
(11) Emergency pump drive switch
(12) Emergency fuel solenoid drive switch
(13) Swing brake cancel switch
(14) Rotating lamp switch (if equipped)

STARTING SWITCH

This switch (1) is used to start or stop the engine.



OFF position
The key can be inserted or withdrawn. The switches for the electric system except the room lamp, are all turned off and the engine is stopped.

ON position
Electric current flows in the charging and lamp circuits. Keep the starting switch key at the ON position while the engine is running.

START position
This is the engine-start position. Keep the key at this position during cranking. Immediately after starting the engine, release the key. It will automatically return to the ON position.

HEAT (preheat) position
When starting the engine in winter, set the key to this position. Whenthe key is set to the HEAT position, the pre-heating monitor lightsup. Keep the key at this position until the monitor lamp flashes.Immediately after the pre-heating monitor flashes, release the key.The key automatically returns to the OFF position. Then, start the engine by turning the key to the START position.

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MAINTENANCE PROCEDURE

INITIAL 250 HOURS MAINTENANCE (ONLY AFTER THE FIRST 250 HOURS)

Carry out the following maintenance only after the first 250 hours of operation on new machines.

- Replace fuel filter cartridge

  Special tools are needed for inspection and maintenance, so contact your Komatsu distributor.

For details of the method of replacing or maintaining, see the section on EVERY 500 HOURS and 2000 HOURS SERVICE.

INITIAL 1000 HOURS MAINTENANCE (ONLY AFTER THE FIRST 1000 HOURS)

Carry out the following maintenance only after the first 1000 hours of operation on new machines.

- Check engine valve clearance,adjust

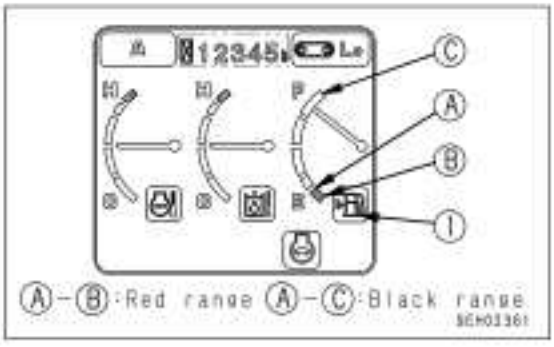
  Special tools are needed for inspection and maintenance, so contact your Komatsu distributor.

For details of the method of replacing or maintaining, see the section on EVERY 2000 HOURS SERVICE.

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FUEL GAUGE

This meter (9) displays the level of the fuel in the fuel tank.



During operations, the indicator should be in the black range.

If the indicator enters red range (A) during operations, there is less than 100 liters (26.42 US gal) of fuel remaining in the tank, so check and add fuel.

REMARK

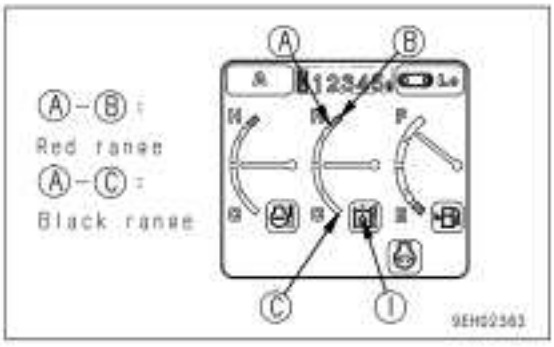
If the indicator enters red range (B), there is less than 41 liters (10.83 US gal) of fuel remaining.

When the indicator is in the red range (A) to (B), fuel level monitor (1) lights up red.

The correct fuel may not be displayed for a short time when the starting switch is turned ON, but this is not an abnormality.

HYDRAULIC OIL TEMPERATURE GAUGE

This meter (10) displays the hydraulic oil temperature.



During operations, the indicator should be in the black range.

If the indicator enters red range (A) during operations, the hydraulic oil temperature as gone above 102°C (215.6°F). Stop the engine or run it at low idling and wait for the hydraulic oil temperature to go down.

REMARK

When the indicator is in the red range (A) to (B), the hydraulic oil temperature is as follows.

Red range position (A) : More than 102°C (215.6°F)
Red range position (B) : More than 105°C (221°F)

When the indicator is in the red range (A) to (B), hydraulic oil temperature monitor (1) lights up red.

If the indicator is at position (C) when the engine is started, the hydraulic oil temperature is more than 25°C (77°F), and hydraulic oil temperature monitor (1) lights up white. In this case, carry out the warming-up operation. For details, see "WARMING-UP OPERATION (PAGE 7-36)".

SERVICE METER

This monitor (11) displays the total time that the machine has been operated.



Use the time display to set the maintenance interval. When the starting switch is ON, the service meter advances even if the machine is not moving.

The service meter advances by 1 for every hour of operation, regardless of the engine speed.

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