TEN00760-01

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC170LC-11

SERIAL NUMBERS 35001 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 ... 2-5
GENERAL PRECAUTIONS COMMON TO OPERATION AND MAINTENANCE ... 2-13
PRECAUTIONS BEFORE STARTING OPERATION ... 2-13
PREPARATIONS FOR SAFE OPERATION ... 2-13
PRECAUTIONS TO PREVENT FIRE ... 2-15
PRECAUTIONS WHEN GETTING ON OR OFF MACHINE ... 2-17
DO NOT GET CAUGHT IN WORK EQUIPMENT ... 2-18
PRECAUTIONS RELATED TO PROTECTIVE STRUCTURES ... 2-19
PROTECTION AGAINST FALLING, FLYING OR INTRUDING OBJECTS ... 2-19
UNAUTHORIZED MODIFICATION ... 2-20
PRECAUTIONS RELATED TO ATTACHMENTS AND OPTIONS ... 2-20
PRECAUTIONS RELATED TO CAB GLASS ... 2-20
PRECAUTIONS WHEN RUNNING ENGINE INSIDE BUILDING ... 2-20
PRECAUTIONS FOR OPERATION ... 2-21
PRECAUTIONS FOR JOBSITE ... 2-21
START ENGINE ... 2-24
PRECAUTIONS FOR OPERATION ... 2-26
PRECAUTIONS FOR TRANSPORTATION ... 2-34
TOWING AND BEING TOWED ... 2-35
LIFTING OPERATION BY USING BUCKET WITH HOOK ... 2-36
PRECAUTIONS FOR MAINTENANCE ... 2-37
PRECAUTIONS BEFORE STARTING INSPECTION AND MAINTENANCE ... 2-37
PRECAUTIONS FOR CHECK AND MAINTENANCE ... 2-41
PRECAUTIONS FOR DEF ... 2-47
GENERAL CHARACTER AND PRECAUTIONS FOR HANDLING ... 2-47
PRECAUTIONS FOR ADDING ... 2-47
PRECAUTIONS FOR STORING ... 2-47
PRECAUTIONS FOR FIRE HAZARD AND LEAKAGE ... 2-47
OTHER PRECAUTIONS ... 2-47
OPERATION ... 3-1
GENERAL VIEW ... 3-2
MACHINE EQUIPMENT NAME ... 3-2
CAB EQUIPMENT NAMES ... 3-4
CONTROLS AND GAUGES NAMES ... 3-5
EXPLANATION OF COMPONENTS ... 3-8
EXPLANATION OF MACHINE MONITOR EQUIPMENT ... 3-8
SWITCHES ... 3-94
CONTROL LEVERS AND PEDALS ... 3-102
OTHER EQUIPMENT ... 3-107
MACHINE OPERATIONS AND CONTROLS ... 3-138

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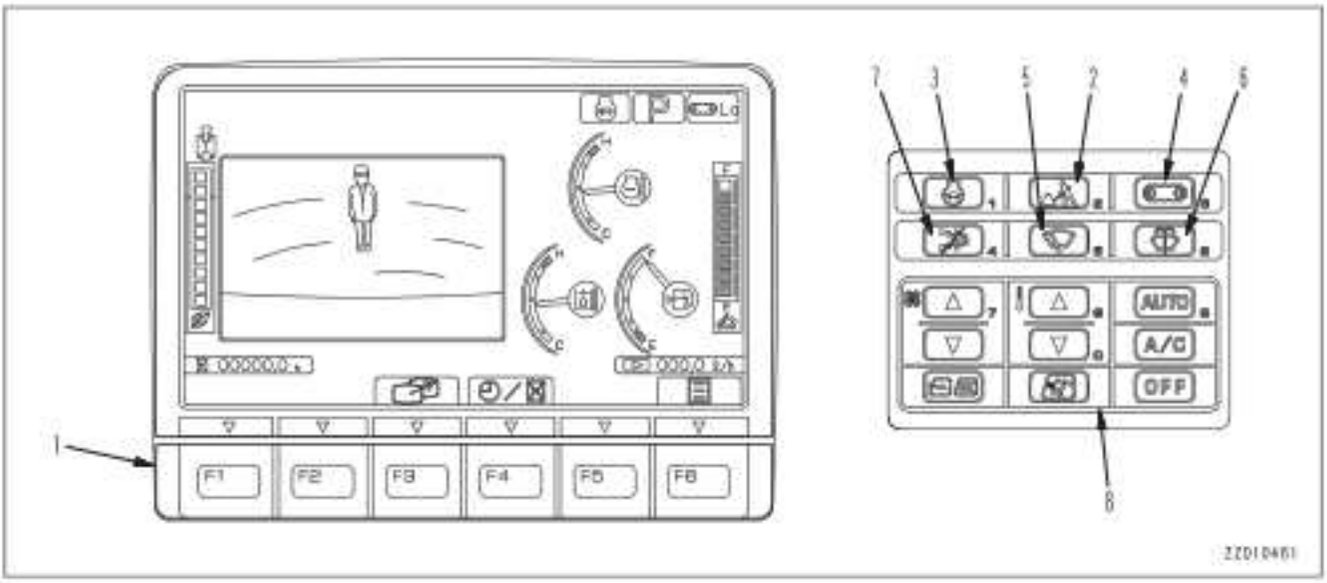
CHECKS AND ADJUSTMENT BEFORE STARTING ENGINE 3-138
METHOD FOR STARTING ENGINE 3-171
METHOD FOR OPERATIONS AND CHECKS AFTER STARTING ENGINE 3-175
METHOD FOR STOPPING ENGINE 3-186
METHOD FOR STARTING MACHINE (TRAVEL FORWARD AND REVERSE) AND STOPPING MACHINE 3-188
METHOD FOR STEERING MACHINE 3-192
METHOD FOR SWINGING MACHINE 3-194
METHOD FOR OPERATING WORK EQUIPMENT 3-195
HANDLE WORKING MODE 3-197
PROHIBITED OPERATIONS 3-199
PRECAUTIONS FOR OPERATION 3-204
PRECAUTIONS FOR WORKING ON SLOPE 3-206
METHOD FOR ESCAPING FROM MUD 3-208
RECOMMENDED APPLICATIONS 3-209
EFFECTIVE USE OF HYDRAULIC EXCAVATOR 3-211
METHOD FOR REPLACING AND INVERTING BUCKET 3-212
METHOD FOR PARKING MACHINE 3-215
METHOD FOR CHECKING AFTER FINISHING WORK 3-216
LOCK 3-217
HANDLE AIR CONDITIONER 3-228
EXPLANATION OF AIR CONDITIONER EQUIPMENT 3-229
METHOD FOR OPERATING AIR CONDITIONER 3-234
HANDLE RADIO 3-242
EXPLANATION OF RADIO EQUIPMENT 3-242
METHOD FOR CONTROLLING RADIO 3-245
STOW ANTENNA 3-247
TRANSPORTATION 3-248
PRECAUTIONS FOR TRANSPORTING MACHINE 3-248
SELECT TRANSPORTATION METHOD 3-248
LOADING AND UNLOADING WITH TRAILER 3-249
METHOD FOR LIFTING MACHINE 3-262
COLD WEATHER OPERATION 3-264
COLD WEATHER OPERATION INFORMATION 3-264
PRECAUTIONS AFTER DAILY WORK COMPLETION 3-266
AFTER COLD WEATHER SEASON 3-266
PRECAUTIONS FOR LONG-TERM STORAGE 3-267
PREPARATION FOR LONG-TERM STORAGE 3-267
MAINTENANCE DURING LONG-TERM STORAGE 3-267
STARTING MACHINE AFTER LONG-TERM STORAGE 3-268
TROUBLES AND ACTIONS 3-269
ACTIONS WHEN RUNNING OUT OF FUEL 3-269
PHENOMENA THAT ARE NOT FAILURES 3-269
PRECAUTIONS FOR TOWING MACHINE 3-270
PRECAUTIONS FOR SEVERE JOB CONDITION 3-271
PRECAUTIONS FOR DISCHARGED BATTERY 3-272
OTHER TROUBLE 3-277
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
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

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DO NOT DROP THINGS INSIDE MACHINE 4-2
BURN PREVENTION 4-2
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
CLOSE ENGINE HOOD SECURELY 4-3
OUTLINE OF MAINTENANCE 4-4
HANDLE OIL, FUEL, COOLANT, AND PERFORMING OIL CLINIC 4-4
HANDLE ELECTRICAL COMPONENTS 4-9
STANDARD TIGHTENING TORQUE FOR BOLTS AND NUTS 4-10
MAINTENANCE SCHEDULE 4-12
MAINTENANCE SCHEDULE TABLE 4-12
MAINTENANCE INTERVAL FOR HYDRAULIC BREAKER 4-14
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 4-16
CHECKS BEFORE STARTING 4-43
EVERY 100 HOURS MAINTENANCE 4-44
EVERY 250 HOURS MAINTENANCE 4-45
EVERY 500 HOURS MAINTENANCE 4-49
EVERY 1000 HOURS MAINTENANCE 4-61
EVERY 2000 HOURS MAINTENANCE 4-70
EVERY 4000 HOURS MAINTENANCE 4-82
EVERY 4500 HOURS MAINTENANCE 4-86
EVERY 5000 HOURS MAINTENANCE 4-87
EVERY 8000 HOURS MAINTENANCE 4-89
EVERY 9000 HOURS MAINTENANCE 4-90
SPECIFICATIONS 5-1
SPECIFICATIONS 5-2
SPECIFICATIONS: PC170LC-11 5-2
ATTACHMENTS AND OPTIONS 6-1
PRECAUTIONS FOR USING ATTACHMENT AND OPTIONS 6-2
PRECAUTIONS WHEN SELECTING 6-2
READ THE OPERATION AND MAINTENANCE MANUAL THOROUGHLY 6-2
PRECAUTIONS WHEN REMOVING AND INSTALLING 6-2
PRECAUTIONS FOR USING 6-3
HANDLE BUCKET WITH HOOK 6-3
PRECAUTIONS FOR OPERATION 6-3
HANDLE MACHINE READY FOR INSTALLATION OF ATTACHMENT 6-4
EXPLANATION OF COMPONENTS ON MACHINE EQUIPPED WITH ATTACHMENT 6-4
METHOD FOR CHANGE-OVER AND CONNECT HYDRAULIC CIRCUIT FOR MACHINE READY FOR INSTALLATION OF ATTACHMENT 6-8
METHOD FOR REMOVING AND INSTALLING ATTACHMENT 6-11
METHOD FOR OPERATING ATTACHMENT 6-17
LONG-TERM STORAGE 6-20
MAINTENANCE OF ADDITIONAL FILTER FOR BREAKER 6-21
SPECIFICATIONS 6-25
ATTACHMENTS AND OPTIONS 6-26
TRACK SHOES SELECTION 6-26
RECOMMENDED ATTACHMENT OPERATIONS 6-27
HYDRAULIC BREAKER 6-27
KomVision 6-32
PRECAUTIONS WHEN USING KomVision 6-32

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MONITOR SWITCHES



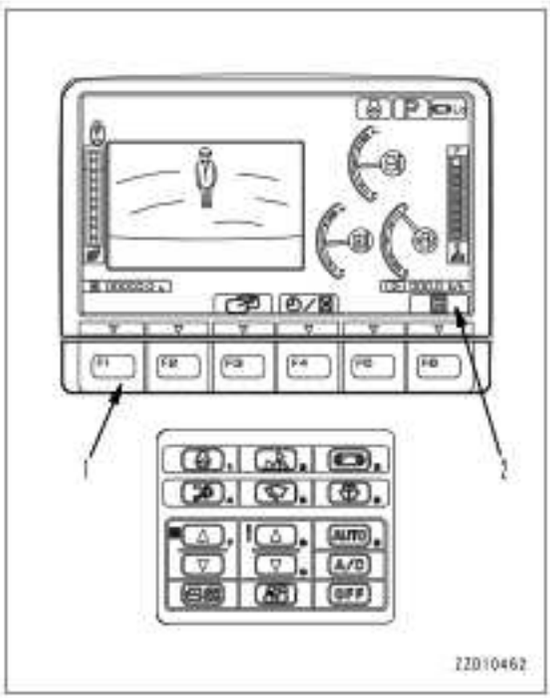
(1) Function switch
(2) Working mode selector switch
(3) Auto-deceleration switch
(4) Travel speed selector switch
(5) Wiper switch
(6) Window washer switch
(7) Buzzer cancel switch
(8) Air conditioner switch

FUNCTION SWITCHES AND GUIDANCE ICONS

- There are 6 function switches (1) (F1 to F6) at the bottom of the monitor display. The function of each switch differs according to the content of each screen.
- On each screen, you can confirm the function of switches (1) by guidance icons (2) displayed on top of the switch.
- While guidance icon (2) is not displayed, function switch (1) does not function even if it is pressed.
- Even if guidance icon (2) is pressed, it does not function. Press function switch (1) directly under guidance icon (2) to operate the function.

When the monitor display shows the standard screen, the types of guidance icons and functions of function switches are as follows:

For the details of each function, see the detailed explanation of each item.



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EVERY 500 HOURS MAINTENANCE

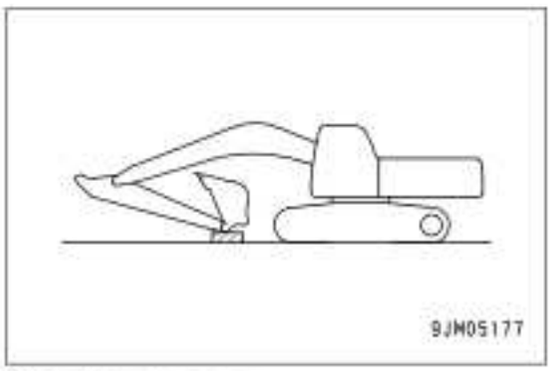
Maintenance for every 100 and 250 hours should be performed at the same time.

METHOD FOR LUBRICATING

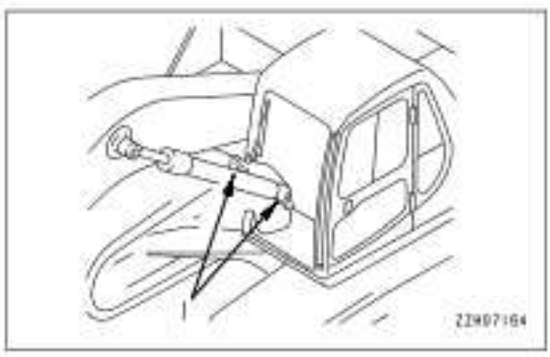
NOTICE

- **If any unusual noise is generated from any greasing point, perform the greasing regardless of the greasing interval.**
- **Perform the greasing every 10 hours for the first 50 hours of operation on a new machine. Also, perform the greasing at 250 hours and 500 hours of operation on a new machine.**
- **After the machine is subjected to digging work in the water, be sure to grease the wet pins.**
- **When performing the heavy-duty operations, such as hydraulic breaker operations, perform the greasing every 100 hours.**

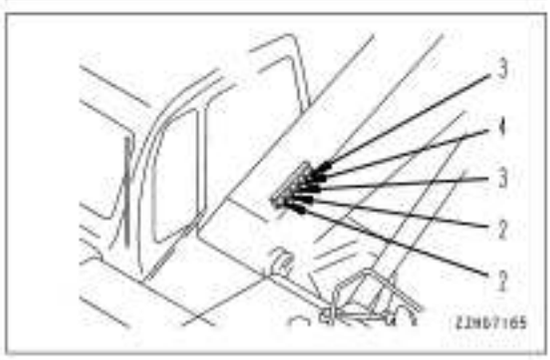
1. Set the work equipment on the level and firm ground in the maintenance posture as shown in the figure, then lower it to the ground and stop the engine.



2. By using a grease pump, pump in grease through the grease fitting shown by arrow.
   (1) Boom cylinder foot pin (2 places)



   (2) Boom foot pin (2 places)
   (3) Boom cylinder rod end (2 places)
   (4) Arm cylinder foot pin (1 place)



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SPECIFICATIONS

Hydraulic specifications

- Max. flow at merge: 160x2 ℓ/min
- Safety valve relief set pressure of service valve: 29.9 MPa {305 kg/cm^2, 4340 PSI} (other than B mode)
- Safety valve cracking pressure of service valve: 24.5 MPa {250 kg/cm^2, 3560 PSI} (other than B mode)
- Safety valve relief set pressure of service valve: 20.6 MPa {210 kg/cm^2, 2990 PSI} (B mode)
- Safety valve cracking pressure of service valve: 15.2 MPa {155 kg/cm^2, 2200 PSI} (B mode)

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