TEN00604-01

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC138USLC-10

SERIAL NUMBERS 40001 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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CONTENTS (PC-0310-001-A-00-A)

FOREWORD 1-1
- BEFORE READING THIS MANUAL 1-2
- SAFETY INFORMATION 1-3
- INTRODUCTION 1-4
  - USE OF MACHINE 1-4
  - DIRECTIONS OF MACHINE 1-4
  - VISIBILITY FROM OPERATOR'S SEAT 1-4
- PRODUCT INFORMATION 1-5
  - PRODUCT IDENTIFICATION NUMBER (PIN)/MACHINE SERIAL NO. PLATE 1-5
  - EPA REGULATIONS, ENGINE NUMBER PLATE 1-5
  - SERVICE METER LOCATION 1-6
  - YOUR MACHINE SERIAL NUMBERS AND DISTRIBUTOR 1-6
- CONTENTS 1-7

SAFETY 2-1
- SAFETY 2-2
- SAFETY LABELS 2-4
  - LOCATION OF SAFETY LABELS 2-5
  - SAFETY LABELS 2-6
- GENERAL PRECAUTIONS COMMON TO OPERATION AND MAINTENANCE 2-14
  - PRECAUTIONS BEFORE STARTING OPERATION 2-14
  - PREPARATIONS FOR SAFE OPERATION 2-15
  - FIRE PREVENTION 2-17
  - PRECAUTIONS WHEN GETTING ON OR OFF MACHINE 2-19
  - DO NOT GET CAUGHT IN WORK EQUIPMENT 2-20
  - PRECAUTIONS RELATED TO PROTECTIVE STRUCTURES 2-21
  - PROTECTION AGAINST FALLING, FLYING, OR INTRUDING OBJECTS 2-22
  - UNAUTHORIZED MODIFICATION 2-22
  - PRECAUTIONS RELATED TO ATTACHMENTS AND OPTIONS 2-23
  - PRECAUTIONS RELATED TO CAB GLASS 2-23
  - PRECAUTIONS WHEN RUNNING ENGINE INSIDE BUILDING 2-23
- PRECAUTIONS FOR OPERATION 2-24
  - PRECAUTIONS FOR JOBSITE 2-24
  - STARTING ENGINE 2-27
  - OPERATION 2-30
  - TRANSPORTATION 2-37
  - TOWING 2-38
  - SAFETY RULES FOR LIFTING OPERATIONS 2-39
- PRECAUTIONS FOR MAINTENANCE 2-40
  - PRECAUTIONS BEFORE STARTING INSPECTION AND MAINTENANCE 2-40
  - PRECAUTIONS FOR INSPECTION AND MAINTENANCE 2-44

OPERATION 3-1
- GENERAL VIEW 3-2
  - GENERAL VIEW OF MACHINE 3-2
  - GENERAL VIEW OF CONTROLS AND GAUGES 3-4
- EXPLANATION OF COMPONENTS 3-6
  - MACHINE MONITOR 3-6
  - SWITCHES 3-75
  - CONTROL LEVERS AND PEDALS 3-81
  - CEILING WINDOW 3-84
  - OPEN AND CLOSE CAB FRONT WINDOW 3-85
  - SLIDE DOOR 3-90
  - EMERGENCY ESCAPE HAMMER 3-91
  - OPEN AND CLOSE ENGINE HOOD 3-92
  - PUMP ROOM DOOR, BATTERY ROOM DOOR 3-93
  - TOOL BOX FRONT DOOR 3-94
  - CAPS AND COVERS WITH LOCK 3-95
  - OPERATION AND MAINTENANCE MANUAL POCKET 3-97

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CUP HOLDER....3-97
ASHTRAY....3-98
HANDLING AIR CONDITIONER....3-99
HANDLING RADIO....3-111
AUXILIARY ELECTRIC POWER....3-116
FUSE....3-118
FUSIBLE LINK....3-119
TOOLBOX....3-120
GREASE PUMP HOLDER....3-120
FIRE EXTINGUISHER....3-120
BATTERY DISCONNECT SWITCH....3-121
SYSTEM OPERATING LAMP....3-122
HANDLING Komatsu Closed Crankcase Ventilation (KCCV)....3-123
HANDLING MACHINES EQUIPPED WITH KOMTRAX....3-124
MACHINE OPERATIONS AND CONTROLS....3-126
CHECKS AND ADJUSTMENT BEFORE STARTING ENGINE....3-126
STARTING ENGINE....3-146
OPERATIONS AND CHECKS AFTER STARTING ENGINE....3-151
STOPPING ENGINE....3-163
MACHINE OPERATION....3-164
STEERING MACHINE....3-168
SWINGING MACHINE....3-170
WORK EQUIPMENT CONTROLS AND OPERATIONS....3-171
WORKING MODE....3-173
PROHIBITED OPERATIONS....3-175
RULES FOR OPERATION....3-178
RULES FOR WORKING ON SLOPE....3-181
ESCAPE FROM MUD....3-183
RECOMMENDED APPLICATIONS....3-184
REPLACING AND INVERTING BUCKET....3-186
PARKING MACHINE....3-189
AFTER DAILY WORK COMPLETION....3-190
LOCK....3-191
HANDLING ROAD LINERS....3-192
TRANSPORTATION....3-194
TRANSPORTATION PROCEDURE....3-194
LOADING AND UNLOADING WITH TRAILER....3-195
LIFTING MACHINE....3-203
COLD WEATHER OPERATION....3-205
COLD WEATHER OPERATION INFORMATION....3-205
AFTER DAILY WORK COMPLETION....3-207
AFTER COLD WEATHER SEASON....3-207
LONG-TERM STORAGE....3-208
BEFORE STORAGE....3-208
DURING STORAGE....3-208
AFTER STORAGE....3-209
STARTING MACHINE AFTER LONG-TERM STORAGE....3-209
TROUBLES AND ACTIONS....3-210
RUNNING OUT OF FUEL....3-210
PHENOMENA THAT ARE NOT FAILURES....3-210
TOWING MACHINE....3-211
LIGHTWEIGHT TOWING HOLE....3-212
SEVERE JOB CONDITION....3-212
DISCHARGED BATTERY....3-213
OTHER TROUBLE....3-218
MAINTENANCE....4-1
RULES FOR MAINTENANCE....4-2
SERVICE METER READING....4-2

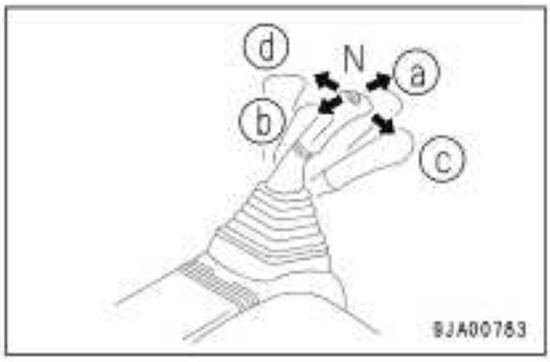
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KOMATSU GENUINE REPLACEMENT PARTS....4-2
KOMATSU GENUINE LUBRICANTS....4-2
ALWAYS USE CLEAN WASHER FLUID....4-2
FRESH AND CLEAN LUBRICANTS....4-2
CHECK DRAINED OIL AND USED FILTER....4-2
CAUTION FOR REFILLING OIL OR FUEL....4-2
WELDING INSTRUCTIONS....4-2
DO NOT DROP THINGS INSIDE MACHINE....4-2
DUSTY JOBSITES....4-3
AVOID MIXING OIL....4-3
LOCKING 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
HANDLING OIL, FUEL, COOLANT, AND PERFORMING OIL CLINIC....4-4
HANDLING ELECTRICAL COMPONENTS....4-7
STANDARD TIGHTENING TORQUE FOR BOLTS AND NUTS....4-8
TIGHTENING TORQUE LIST....4-8
MAINTENANCE SCHEDULE....4-9
MAINTENANCE SCHEDULE TABLE....4-9
MAINTENANCE INTERVAL FOR HYDRAULIC BREAKER....4-11
MAINTENANCE PROCEDURE....4-12
WHEN REQUIRED....4-12
CHECKS BEFORE STARTING....4-41
EVERY 100 HOURS MAINTENANCE....4-42
EVERY 250 HOURS MAINTENANCE....4-44
EVERY 500 HOURS MAINTENANCE....4-50
EVERY 1000 HOURS MAINTENANCE....4-58
EVERY 2000 HOURS MAINTENANCE....4-64
EVERY 4000 HOURS MAINTENANCE....4-73
EVERY 5000 HOURS MAINTENANCE....4-75
EVERY 8000 HOURS MAINTENANCE....4-77
SPECIFICATIONS....5-1
SPECIFICATIONS....5-2
ATTACHMENTS AND OPTIONS....6-1
GENERAL PRECAUTIONS....6-2
PRECAUTIONS FOR SAFETY....6-2
INSTALLING ATTACHMENTS....6-3
BUCKET WITH HOOK....6-4
HOOK CONDITION....6-4
PROHIBITED OPERATIONS....6-4
MACHINE READY FOR INSTALLATION OF ATTACHMENT....6-5
EXPLANATION OF COMPONENTS....6-5
HYDRAULIC CIRCUIT....6-8
REMOVAL AND INSTALLATION OF ATTACHMENT....6-10
OPERATION....6-14
LONG-TERM STORAGE....6-17
SPECIFICATIONS....6-17
ATTACHMENTS AND OPTIONS....6-18
ATTACHMENT COMBINATIONS....6-19
TRACK SHOES SELECTION....6-20
RECOMMENDED ATTACHMENT OPERATIONS....6-21
HYDRAULIC BREAKER....6-21
REPLACEMENT PARTS....7-1
SAFETY CRITICAL PARTS....7-2
SAFETY CRITICAL PARTS LIST....7-2

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WORK EQUIPMENT CONTROL LEVER (PC-PK11-043-K-00-A)

Left work equipment control lever (3) is used to operate the arm and upper structure.
Arm control
(a): Arm OUT
(b): Arm IN
Swing control
(c): Right swing
(d): Left swing
N (NEUTRAL):
The upper structure and arm are held in position and do not move.



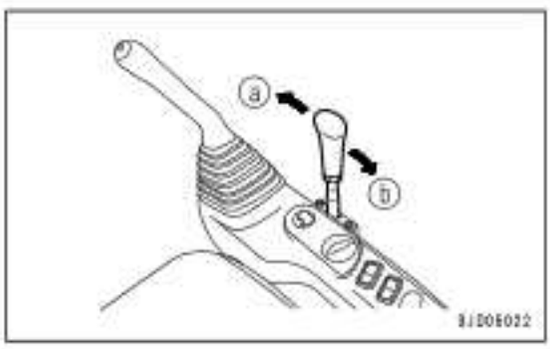
Right work equipment control lever (4) is used to operate the boom and bucket.
Boom control
(a): Boom RAISE
(b): Boom LOWER
Bucket control
(c): Bucket DUMP
(d): Bucket CURL
N (NEUTRAL):
The boom and bucket are held in position and do not move.



BLADE CONTROL LEVER (PC138-LTK0-001-K-00-A)

(Only machines with blade specification)

This lever (5) is used to control the blade.
(a): LOWER
(b): RAISE



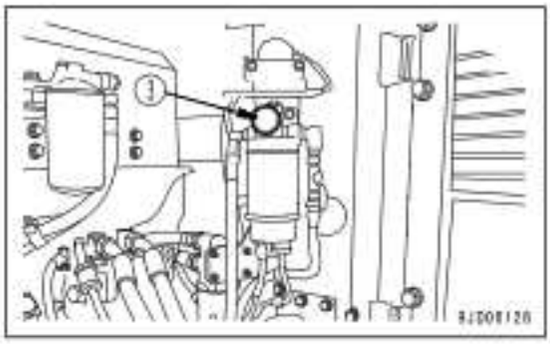
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If the filter cartridge is tightened too far, the packing will be damaged and this will lead to leakage of fuel. If the filter cartridge is tightened too loose, fuel will also leak from the packing, so always tighten to the specified angle.

7. Turn valve (1) on the side of the fuel prefilter to OPEN position (O).
8. After completing the replacement of filter cartridge (2), bleed the air.

Bleed the air as follows:

9. Fill the fuel tank with fuel (to the level where the float is at the highest position).
10. Loosen the knob of feed pump (3), pull it out, then pump it in and out until the movement becomes heavy.



REMARK

- It is not necessary to remove the plugs at the fuel prefilter head and at the fuel main filter head.
- When the engine runs out of fuel, use the same procedure to operate feed pump (3) and bleed the air.

11. Push in the knob of feed pump (3) and tighten it.
12. After replacing the filter cartridge, start the engine and run it at low idle for 10 minutes.
    Check the filter seal surface for fuel leakage. If there is any leakage of fuel, check the tightening condition of the filter cartridge. If there is still fuel leakage, repeat steps 2 to 5 to remove the filter cartridge, and if any damage or pinched foreign material on the packing surface is found, replace it with a new cartridge and repeat steps 6 to 12 to install it.

CHECK ALL TIGHTENING POINTS OF ENGINE AIR INTAKE PIPE CLAMPS *(ALL-A980-286-K-00-A)*

Ask your Komatsu distributor to check the tightening of the clamps between the air cleaner and turbocharger and aftercooler and engine.

CHECK FAN BELT TENSION AND REPLACE FAN BELT *(ALL-B430-92E-K-00-A)*

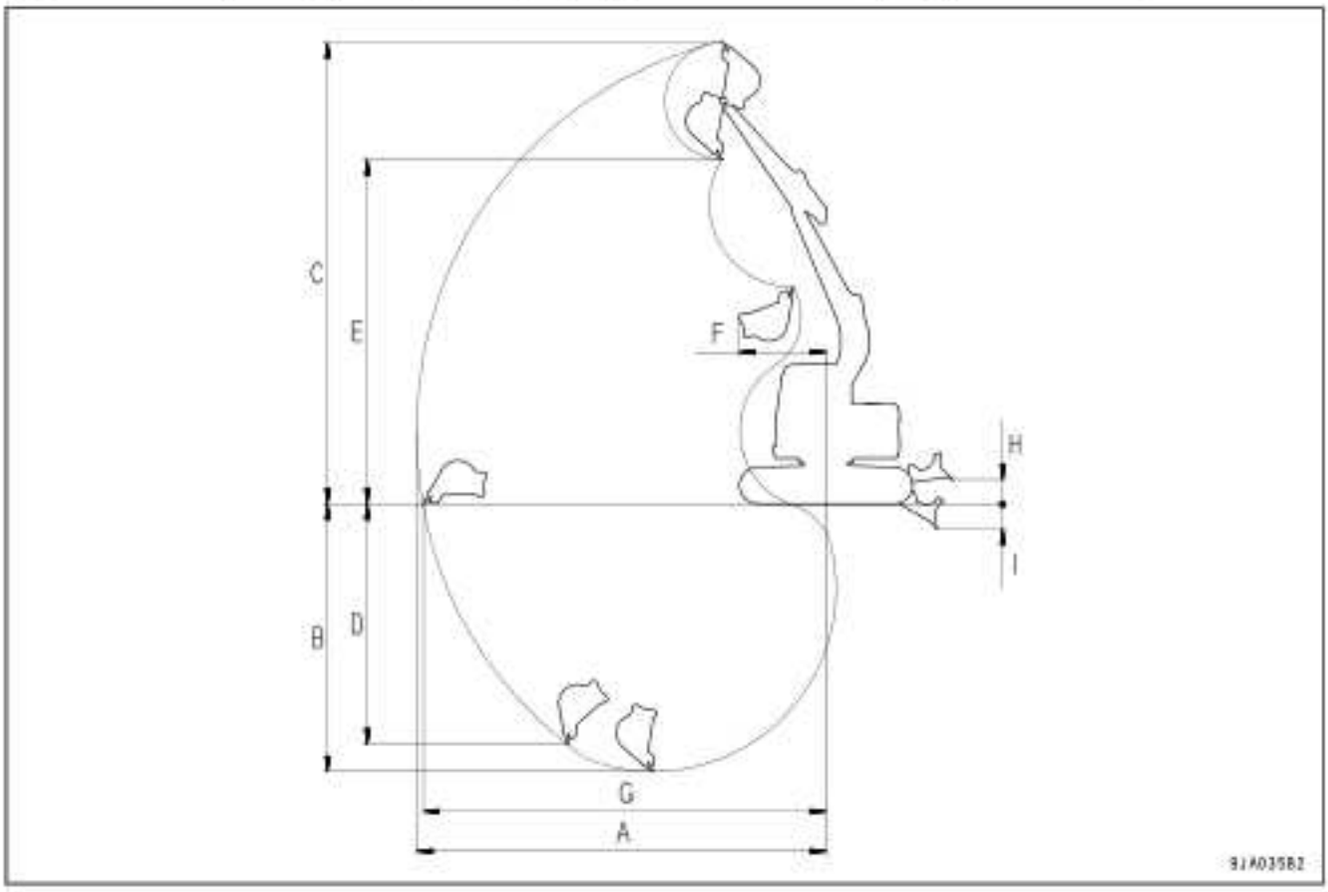
Special tools are required for inspection and replacement of the fan belt. Contact your Komatsu distributor.

REMARK

As the auto fan belt tensioner is installed, no belt tension adjustment is required.

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	Working ranges	Unit	PC138USLC-10
A	Max. digging reach	mm {ft in}	8,300 {27' 3"}
B	Max. digging depth	mm {ft in}	5,480 {18' 0"}
C	Max. digging height	mm {ft in}	9,340 {30' 8"}
D	Max. vertical wall digging depth	mm {ft in}	4,900 {16' 1"}
E	Max. dumping height	mm {ft in}	6,840 {22' 5"}
F	Min. swing radius of work equipment	mm {ft in}	1,980 {(6' 6"}
G	Max. digging reach at ground level	mm {ft in}	8,180 {26' 10"}
H	Max. blade lift above ground	mm {ft in}	470 {1' 7"}
I	Max. blade drop below ground	mm {ft in}	490 {1' 7"}



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