TEN00182-03

Operation & Maintenance Manual

HYDRAULIC EXCAVATOR

PC300-8 PC300LC-8
PC350-8 PC350LC-8

SERIAL NUMBERS PC300-60001 and up
PC350-60001

ecot3

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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EMERGENCY ESCAPE HAMMER ---- 3- 85
DOOR LOCK ---- 3- 85
CAP WITH LOCK ---- 3- 86
DRINK BOX ---- 3- 88
MAGAZINE BOX ---- 3- 88
ASHTRAY ---- 3- 88
AIR CONDITIONER CONTROLS ---- 3- 89
RADIO ---- 3-102
AUXILIARY ELECTRIC POWER ---- 3-107
FUSE ---- 3-108
FUSIBLE LINK ---- 3-109
CONTROLLER ---- 3-109
TOOL BOX ---- 3-110
GREASE PUMP HOLDER ---- 3-110
FIRE EXTINGUISHER ---- 3-110
MACHINE OPERATIONS AND CONTROLS ---- 3-111
BEFORE STARTING ENGINE ---- 3-111
STARTING ENGINE ---- 3-131
AFTER STARTING ENGINE ---- 3-134
STOPPING THE ENGINE ---- 3-145
MACHINE OPERATION ---- 3-146
STEERING THE MACHINE ---- 3-150
SWINGING ---- 3-152
WORK EQUIPMENT CONTROLS AND OPERATIONS ---- 3-153
WORKING MODE ---- 3-155
PROHIBITED OPERATIONS ---- 3-157
GENERAL OPERATION INFORMATION ---- 3-162
TRAVELING ON SLOPES ---- 3-164
ESCAPE FROM MUD ---- 3-166
RECOMMENDED APPLICATIONS ---- 3-167
BUCKET REPLACEMENT AND INVERSION ---- 3-169
PARKING MACHINE ---- 3-173
MACHINE INSPECTION AFTER DAILY WORK ---- 3-174
LOCKING ---- 3-175
TRANSPORTATION ---- 3-176
TRANSPORTATION PROCEDURE ---- 3-176
LOADING AND UNLOADING WITH TRAILER ---- 3-177
LIFTING MACHINE ---- 3-186
TRANSPORTATION POSTURE ---- 3-188
COLD WEATHER OPERATION ---- 3-190
COLD WEATHER OPERATION INFORMATION ---- 3-190
AFTER DAILY WORK COMPLETION ---- 3-192
AFTER COLD WEATHER SEASON ---- 3-192
LONG TERM STORAGE ---- 3-193
BEFORE STORAGE ---- 3-193
DURING STORAGE ---- 3-193
AFTER STORAGE ---- 3-194
STARTING MACHINE AFTER LONG-TERM STORAGE ---- 3-194
TROUBLES AND ACTIONS ---- 3-195
RUNNING OUT OF FUEL ---- 3-195

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PHENOMENA THAT ARE NOT FAILURES ---- 3-196
TOWING THE MACHINE ---- 3-197
LIGHTWEIGHT TOWING HOLE ---- 3-198
SEVERE JOB CONDITION ---- 3-198
DISCHARGED BATTERY ---- 3-199
OTHER TROUBLE ---- 3-203
MAINTENANCE ---- 4- 1
MAINTENANCE INFORMATION ---- 4- 2
OUTLINE OF SERVICE ---- 4- 4
HANDLING OIL, FUEL, COOLANT, AND PERFORMING OIL CLINIC ---- 4- 4
ELECTRIC SYSTEM MAINTENANCE ---- 4- 7
WEAR PARTS ---- 4- 8
WEAR PARTS LIST ---- 4- 8
RECOMMENDED FUEL, COOLANT, AND LUBRICANT ---- 4- 9
RECOMMENDED BRANDS, RECOMMENDED QUALITY FOR PRODUCTS OTHER THAN KOMATSU GENUINE OIL ---- 4- 11
TIGHTENING TORQUE SPECIFICATIONS ---- 4- 12
TIGHTENING TORQUE LIST ---- 4- 12
SAFETY CRITICAL PARTS ---- 4- 13
SAFETY CRITICAL PARTS LIST ---- 4- 14
MAINTENANCE SCHEDULE ---- 4- 15
MAINTENANCE SCHEDULE CHART ---- 4- 15
MAINTENANCE INTERVAL FOR HYDRAULIC BREAKER ---- 4- 17
MAINTENANCE PROCEDURE ---- 4- 18
INITIAL 1000 HOURS MAINTENANCE (ONLY AFTER THE FIRST 1000 HOURS) ---- 4- 18
WHEN REQUIRED ---- 4- 19
CHECK BEFORE STARTING ---- 4- 47
EVERY 50 HOURS MAINTENANCE ---- 4- 48
EVERY 250 HOURS MAINTENANCE ---- 4- 49
EVERY 500 HOURS MAINTENANCE ---- 4- 52
EVERY 1000 HOURS MAINTENANCE ---- 4- 67
EVERY 2000 HOURS MAINTENANCE ---- 4- 73
EVERY 4000 HOURS MAINTENANCE ---- 4- 80
EVERY 5000 HOURS MAINTENANCE ---- 4- 83
EVERY 8000 HOURS MAINTENANCE ---- 4- 85
SPECIFICATIONS ---- 5- 1
SPECIFICATIONS ---- 5- 2
ATTACHMENTS AND OPTIONS ---- 6- 1
GENERAL PRECAUTIONS FOR SAFETY ---- 6- 2
PRECAUTIONS WHEN SELECTING ---- 6- 2
READ THE INSTRUCTION MANUAL THOROUGHLY ---- 6- 2
PRECAUTIONS WHEN REMOVING OR INSTALLING ---- 6- 2
PRECAUTIONS WHEN USING ---- 6- 2
BUCKET WITH HOOK ---- 6- 3
HOOK CONDITION ---- 6- 3
PROHIBITED OPERATIONS ---- 6- 3
MACHINE READY FOR ATTACHMENT ---- 6- 4
LOCATIONS ---- 6- 4
HYDRAULIC CIRCUIT ---- 6- 8
ATTACHMENT REMOVAL AND INSTALLATION ---- 6- 13

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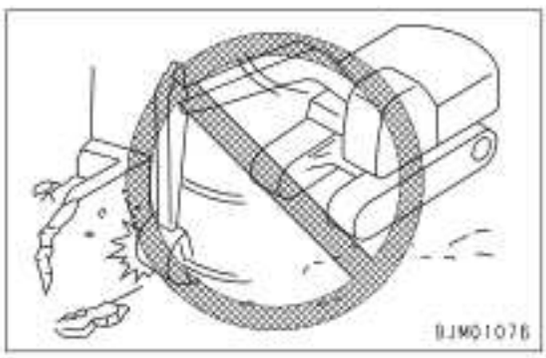
PROHIBITED OPERATIONS

⚠ WARNING

- **If it is necessary to operate the work equipment control lever when the machine is traveling, stop the machine, then operate the control lever.**
- **If any lever is operated when the auto-deceleration is being actuated, the engine speed will suddenly increase, so be careful when operating.**

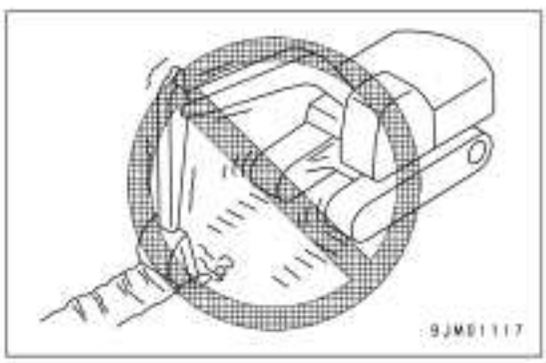
Operations Using Swing Force

Do not use the swing force to compact soil or break objects. This is not only dangerous, but will also drastically reduce the life of the machine.



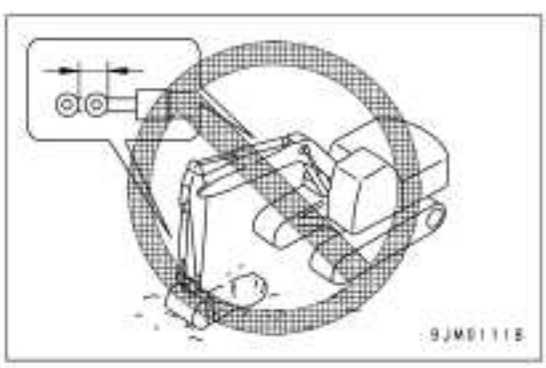
Operations Using Travel Force

Do not dig the bucket into the ground and use the travel force to carry out excavation. This will damage the machine or work equipment.



Prohibited to Extend Hydraulic Cylinder to End of Stroke

If the work equipment is used with the cylinder rod operated to its stroke end, and given impact by some external force, the hydraulic cylinders will be damaged, causing personal injury. Avoid operations with the hydraulic cylinder fully retracted or fully extended.



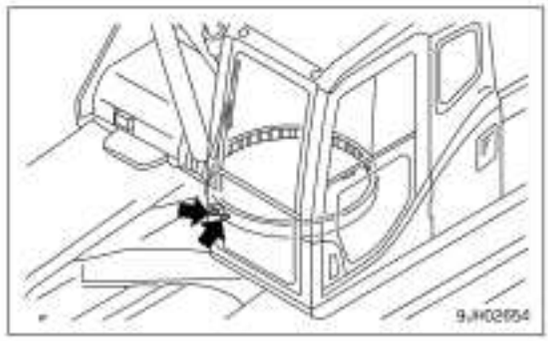
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EVERY 250 HOURS MAINTENANCE

Maintenance for every 50 hours service should be carried out at the same time.

LUBRICATE SWING CIRCLE

1. Lower the work equipment to the ground.
2. Using a grease pump, pump in grease through the grease fittings shown by arrows. (2 places)
3. After greasing, wipe off any old grease that was pushed out.



CHECK LEVEL OF BATTERY ELECTROLYTE

Carry out this procedure before operating the machine.

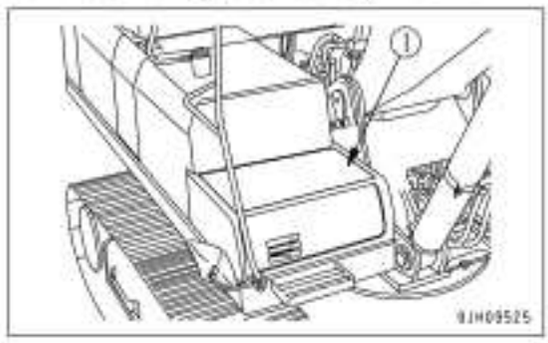
⚠ WARNING

- **Do not use the battery if the battery electrolyte level is below the LOWER LEVEL line. This will accelerate deterioration of the inside of the battery and reduce the service life of the battery. In addition, it may cause an explosion.**
- **The battery generates flammable gas and there is danger of explosion, do not bring fire or sparks near the battery.**
- **Battery electrolyte is dangerous. If it gets in your eyes or on your skin, wash it off with a large amount of water and consult a doctor.**

NOTICE

- **When adding distilled water to the battery, do not allow the battery electrolyte to go above the UPPER LEVEL line. If the electrolyte level is too high, it may leak and cause damage to the paint surface or corrode other parts.**
- **When adding distilled water in cold weather, add it before starting operations in the morning to prevent the electrolyte from freezing.**

Inspect the battery electrolyte level at least once a month and follow the basic safety procedures given below.
Open cover (1) at the front right side of the machine. The battery is inside.

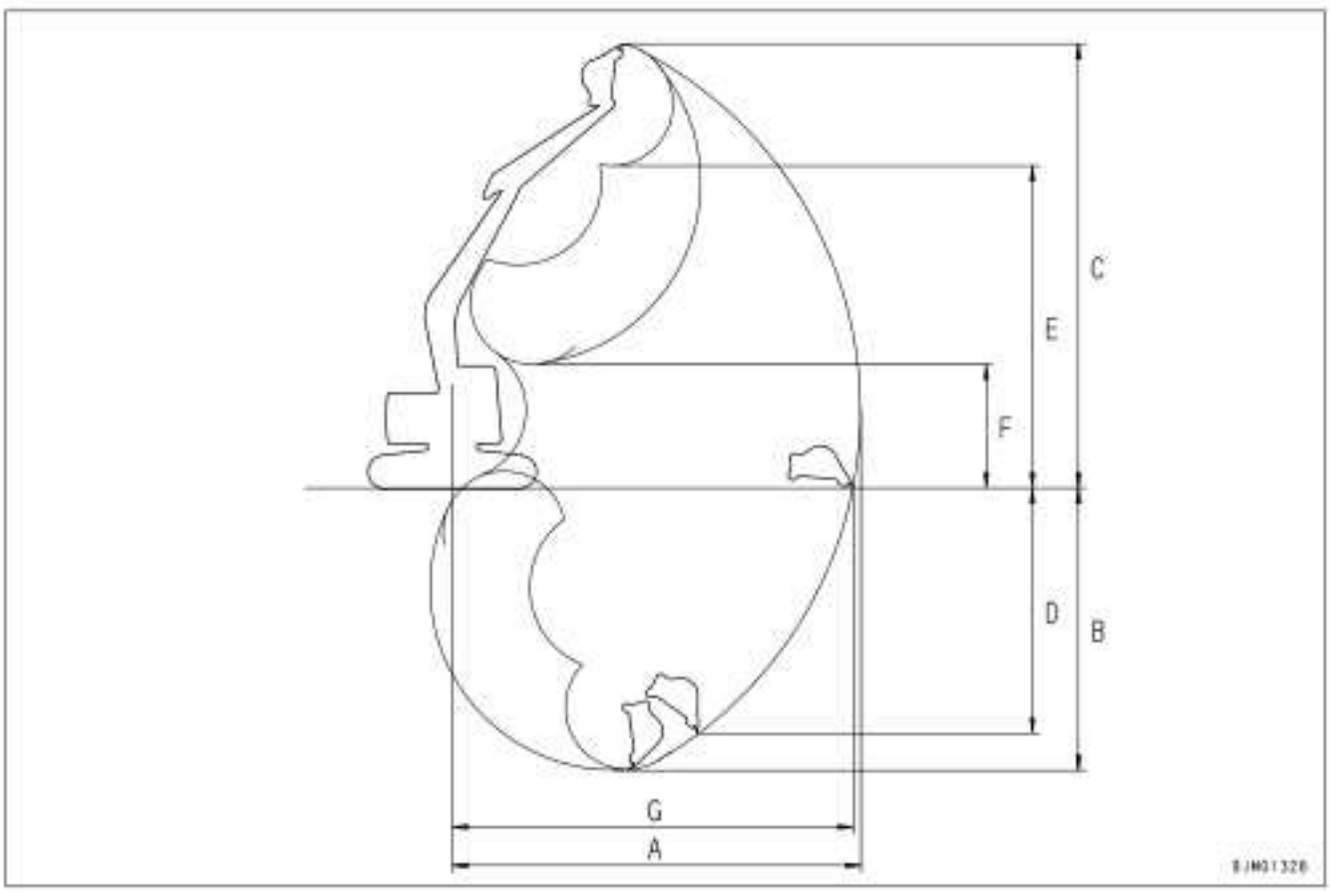


When Checking Electrolyte Level from Side of Battery

If it is possible to check the electrolyte level from the side of the battery, check as follows.

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	Working ranges	Unit	PC300-8	PC300LC-8	PC350-8	PC350LC-8
A	Max. digging reach	mm (ft in)	11,100 (36' 5")	11,100 (36' 5")	11,100 (36' 5")	11,100 (36' 5")
B	Max. digging depth	mm (ft in)	7,380 (24' 3")	7,380 (24' 3")	7,380 (24' 3")	7,380 (24' 3")
C	Max. digging height	mm (ft in)	10,100 (33' 2")	10,100 (33' 2")	10,100 (33' 2")	10,100 (33' 2")
D	Max. vertical wall digging depth	mm (ft in)	6,400 (20' 12")	6,400 (20' 12")	6,400 (20' 12")	6,400 (20' 12")
E	Max. dumping height	mm (ft in)	7,050 (23' 2")	7,050 (23' 2")	7,050 (23' 2")	7,050 (23' 2")
F	Min. dumping height	mm (ft in)	2,640 (8' 8")	2,640 (8' 8")	2,640 (8' 8")	2,640 (8' 8")
G	Max. digging reached at ground level	mm (ft in)	10,920 (35' 10")	10,920 (35' 10")	10,920 (35' 10")	10,920 (35' 10")



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