TEN00362-01

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC1250 -8
PC1250LC -8
PC1250SP -8

SERIAL NUMBERS 30153 and up

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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CAP WITH LOCK ---- 3- 45
HOT AND COOL BOX ---- 3- 47
MAGAZINE BOX ---- 3- 47
ASHTRAY ---- 3- 47
FIRE EXTINGUISHER ---- 3- 47
AIR CONDITIONER CONTROLS ---- 3- 48
RADIO ---- 3- 62
AUXILIARY ELECTRIC POWER ---- 3- 67
FUSE ---- 3- 68
CIRCUIT BREAKER ---- 3- 69
CONTROLLER ---- 3- 71
TOOL BOX ---- 3- 71
GREASE PUMP ---- 3- 72
MACHINE OPERATIONS AND CONTROLS ---- 3- 75
BEFORE STARTING ENGINE ---- 3- 75
STARTING ENGINE ---- 3- 98
AFTER STARTING ENGINE ---- 3-101
STOPPING THE ENGINE ---- 3-111
MACHINE OPERATION ---- 3-112
STEERING THE MACHINE ---- 3-116
SWINGING ---- 3-118
WORK EQUIPMENT CONTROLS AND OPERATIONS ---- 3-119
WORKING MODE ---- 3-121
PROHIBITED OPERATIONS ---- 3-122
GENERAL OPERATION INFORMATION ---- 3-127
TRAVELING ON SLOPES ---- 3-129
ESCAPE FROM MUD ---- 3-131
RECOMMENDED APPLICATIONS ---- 3-132
BUCKET REPLACEMENT ---- 3-133
PARKING MACHINE ---- 3-135
MACHINE INSPECTION AFTER DAILY WORK ---- 3-136
LOCKING ---- 3-137
TRANSPORTATION ---- 3-138
TRANSPORTATION PROCEDURE ---- 3-138
PRECAUTIONS FOR TRANSPORTATION ---- 3-138
LIFTING MACHINE ---- 3-138
SHIPPING MACHINE INFORMATION ---- 3-140
TRANSPORTATION POSTURE ---- 3-141
COLD WEATHER OPERATION ---- 3-149
COLD WEATHER OPERATION INFORMATION ---- 3-149
AFTER DAILY WORK COMPLETION ---- 3-152
AFTER COLD WEATHER SEASON ---- 3-152
LONG TERM STORAGE ---- 3-153
BEFORE STORAGE ---- 3-153
DURING STORAGE ---- 3-153
AFTER STORAGE ---- 3-153
STARTING MACHINE AFTER LONG-TERM STORAGE ---- 3-154
TROUBLES AND ACTIONS ---- 3-155
RUNNING OUT OF FUEL ---- 3-155
PHENOMENA THAT ARE NOT FAILURES ---- 3-155

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TOWING THE MACHINE ---- 3-156
SEVERE JOB CONDITION ---- 3-156
DISCHARGED BATTERY ---- 3-157
OTHER TROUBLE ---- 3-161
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- 13
MAINTENANCE SCHEDULE ---- 4- 14
MAINTENANCE SCHEDULE CHART ---- 4- 14
MAINTENANCE PROCEDURE ---- 4- 16
INITIAL 100 HOURS MAINTENANCE (ONLY AFTER THE FIRST 100 HOURS) ---- 4- 16
INITIAL 500 HOURS MAINTENANCE (ONLY AFTER THE FIRST 500 HOURS) ---- 4- 16
WHEN REQUIRED ---- 4- 17
CHECK BEFORE STARTING ---- 4- 43
EVERY 10 HOURS MAINTENANCE ---- 4- 44
EVERY 100 HOURS MAINTENANCE ---- 4- 46
EVERY 250 HOURS MAINTENANCE ---- 4- 47
EVERY 500 HOURS MAINTENANCE ---- 4- 51
EVERY 1000 HOURS MAINTENANCE ---- 4- 63
EVERY 2000 HOURS MAINTENANCE ---- 4- 74
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
ATTACHMENT GUIDE ---- 6- 3
COMBINATIONS OF WORK EQUIPMENT ---- 6- 3
SELECTION OF TRACK SHOES ---- 6- 7
AUTO-GREASING SYSTEM ---- 6- 8
EXPLANATION OF COMPONENTS ---- 6- 8
OPERATION ---- 6- 13
TROUBLESHOOTING ---- 6- 17
MAINTENANCE ---- 6- 18

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EVERY 1000 HOURS MAINTENANCE

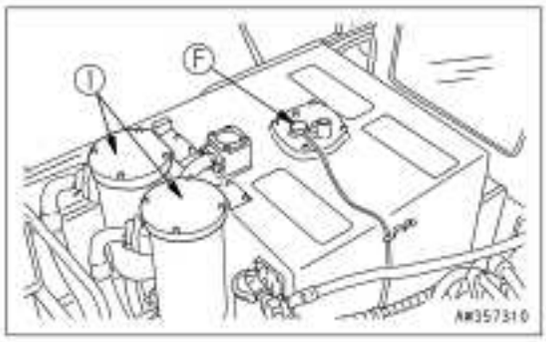
Maintenance for every 10, 100, 250, and 500 hours of service should be performed at the same time.

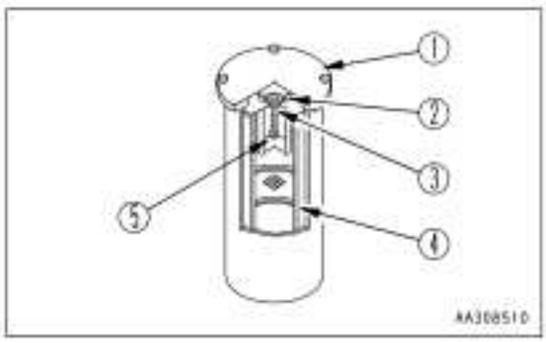
REPLACE HYDRAULIC OIL FILTER ELEMENT

⚠ WARNING

- **The parts and oil are at high temperature immediately after the engine is stopped, and may cause burns. Wait for the temperature to go down before starting the work.**
- **When removing the oil filler cap, turn it slowly to release the internal pressure, then remove it.**

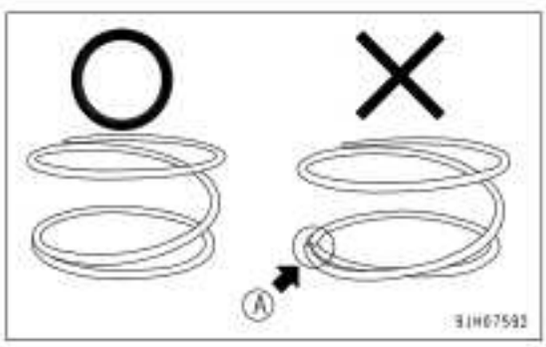
1. Remove the cap from oil filler (F) on top of the hydraulic tank, and release the internal pressure.
2. Loosen 4 bolts, then remove cover (1).
   When doing this, the cover may fly out under the force of spring (2), hold the cover down when removing the bolts.
3. After removing spring (2), valve (3) and strainer (5), take out element (4).
   - If there are metal particles or foreign material inside strainer (5), contact your Komatsu distributor.
4. Clean the removed parts in flushing oil.
5. Install the new element in the place where old element (4) was installed.





REMARK

When doing this, check that the seat surfaces (both ends) of spring (2) are horizontal.
Check that the seat surface of the spring is not raised as shown in diagram (A) on the right.

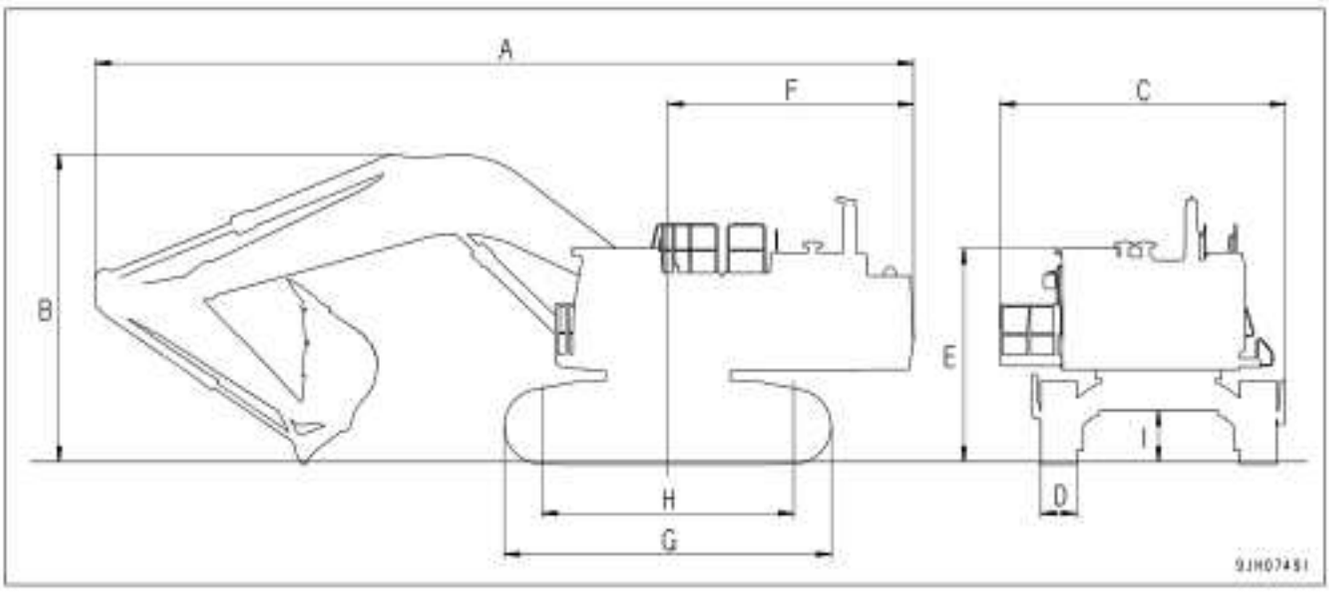


6. Set valve (3), strainer (5) and spring (2) on top of the element.
7. Set cover (1) in position, push it down by hand, and install the cover with the mounting bolts.
8. Install the cap of oil filler port (F).
9. To bleed the air, start the engine according to "STARTING ENGINE (PAGE 3-98)" and run the engine at low idle for 10 minutes.
10. Stop the engine.

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SPECIFICATIONS

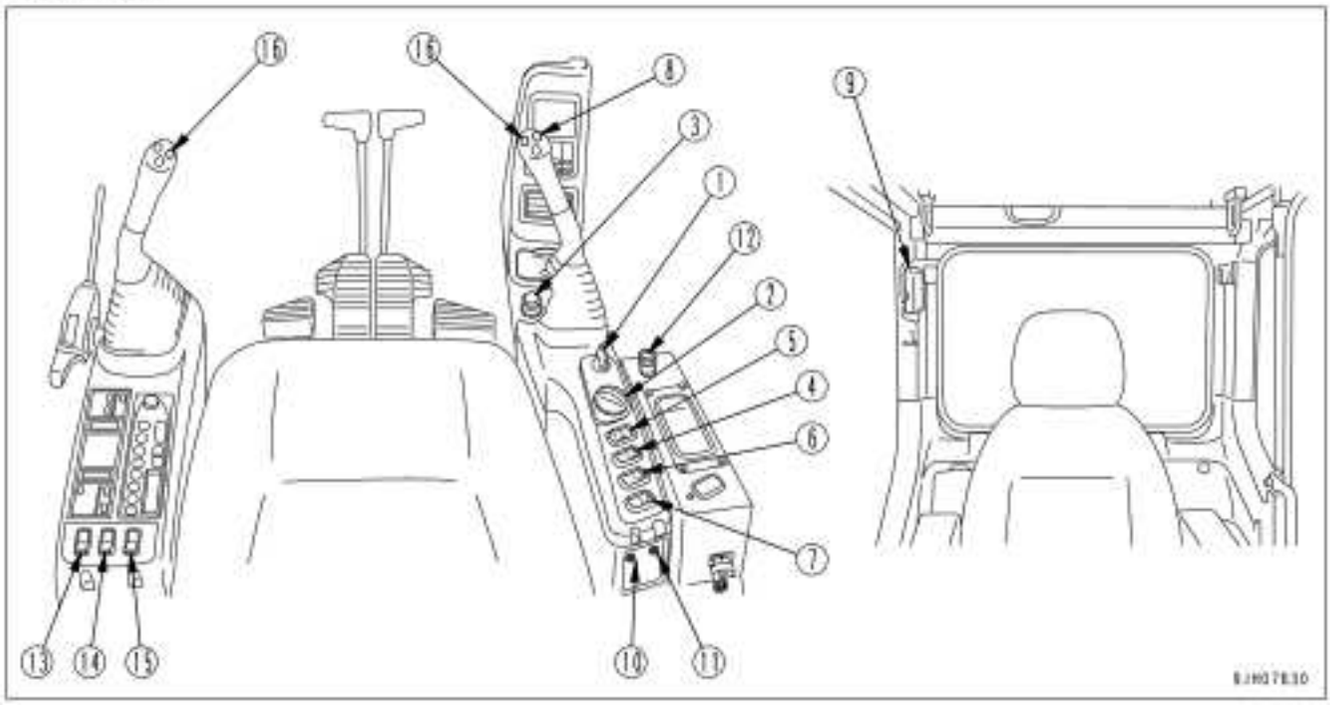
	Item	Unit	PC1250-8	PC1250SP-8	PC1250LC-8
	Operating weight	kg (lb)	115,750 (255,229)	116,650 (257,213)	122,850 (270,884)
	Bucket capacity	m^3 (cu.yd)	5.2 (6.8)	6.7 (8.8)	5.2 (6.8)
	Name of engine	-	KOMATSU SAA6D170E-5 diesel engine		
	Engine horsepower	kW (HP) /rpm	515 (690)/1,800		
A	Overall length	mm (ft in)	16,020 (52' 7")	14,790 (48' 6")	16,020 (52' 7")
B	Overall height	mm (ft in)	6,040 (19' 10")	6,265 (20' 7")	6,040 (19' 10")
C	Overall width	mm (ft in)	5,355 (17' 7")	5,355 (17' 7")	5,355 (17' 7")
D	Track width	mm (ft in)	700 (2' 4")	700 (2' 4")	700 (2' 4")
E	Height of cab	mm (ft in)	4,120 (13' 6")	4,120 (13' 6")	4,120 (13' 6")
F	Radius of upper structure	mm (ft in)	4,870 (15' 12")	4,870 (15' 12")	4,870 (15' 12")
G	Length of track	mm (ft in)	6,425 (21' 1")	6,425 (21' 1")	7,400 (24' 3")
H	Tumbler center distance	mm (ft in)	4,995 (16' 5")	4,995 (16' 5")	5,970 (19' 7")
I	Min. ground clearance	mm (ft in)	990 (3' 3")	990 (3' 3")	990 (3' 3")
	Travel speed (Lo/Hi)	km/h (MPH)	2.1/3.2 (1.3/2.0)		
	Swing speed	rpm	5.8		



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EXPLANATION OF COMPONENTS

SWITCHES



(1) Starting switch
(2) Fuel control dial
(3) Cigarette lighter
(4) Swing lock switch
(5) Lamp switch
(6) Machine push-up switch
(7) Boom shockless control switch
(8) Horn switch
(9) Room lamp switch
(10) Emergency pump drive switch
(11) Swing parking brake release switch
(12) Step light switch
(13) Lower wiper switch (machines equipped with fixed front window cab)
(14) Revolving warning lamp switch (if equipped)
(15) Large capacity airflow air conditioner blower switch (if equipped)
(16) Bottom dump switch

For the loading specification machine, explanation is given only of the different switches.

Starting Switch

Fuel Control Dial
(with Auto-deceleration System)

Cigarette Lighter

Swing Lock Switch

Lamp Switch

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