TEN00118-07

Operation & Maintenance Manual

HYDRAULIC EXCAVATOR

PC600 -8
PC600LC-8

SERIAL NUMBERS 30001 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.

KOMATSU®

MidWestTech | Komatsu PC600-8, PC600LC-8 Hydraulic Excavator Operation & Maintenan... Order the manual at mid-west-tech.com >

EMERGENCY EXIT FROM OPERATOR'S CAB ---- 3- 49
DOOR LOCK ---- 3- 49
CAP WITH LOCK ---- 3- 50
HOT AND COOL BOX ---- 3- 51
MAGAZINE BOX ---- 3- 52
ASHTRAY ---- 3- 52
FIRE EXTINGUISHER ---- 3- 53
AIR CONDITIONER CONTROLS ---- 3- 54
RADIO ---- 3- 68
AUXILIARY ELECTRIC POWER ---- 3- 72
FUSE ---- 3- 73
CIRCUIT BREAKER ---- 3- 74
CONTROLLER ---- 3- 75
TOOL BOX ---- 3- 75
GREASE PUMP ---- 3- 76
MACHINE OPERATIONS AND CONTROLS ---- 3- 79
BEFORE STARTING ENGINE ---- 3- 79
STARTING ENGINE ---- 3- 98
AFTER STARTING ENGINE ---- 3-101
STOPPING THE ENGINE ---- 3-110
MACHINE OPERATION ---- 3-111
STEERING THE MACHINE ---- 3-115
SWINGING ---- 3-117
WORK EQUIPMENT CONTROLS AND OPERATIONS ---- 3-118
WORKING MODE ---- 3-120
PROHIBITED OPERATIONS ---- 3-121
GENERAL OPERATION INFORMATION ---- 3-126
TRAVELING ON SLOPES ---- 3-128
ESCAPE FROM MUD ---- 3-130
RECOMMENDED APPLICATIONS ---- 3-131
BUCKET REPLACEMENT ---- 3-132
PARKING MACHINE ---- 3-134
MACHINE INSPECTION AFTER DAILY WORK ---- 3-135
LOCKING ---- 3-136
TRANSPORTATION ---- 3-137
PRECAUTIONS FOR TRANSPORTATION ---- 3-137
LIFTING MACHINE ---- 3-137
SHIPPING MACHINE INFORMATION ---- 3-139
TRANSPORTATION POSTURE ---- 3-140
PROCEDURE FOR INCREASING OR REDUCING TRACK FRAME GAUGE ---- 3-145
COLD WEATHER OPERATION ---- 3-147
COLD WEATHER OPERATION INFORMATION ---- 3-147
AFTER DAILY WORK COMPLETION ---- 3-150
AFTER COLD WEATHER SEASON ---- 3-150
LONG TERM STORAGE ---- 3-151
BEFORE STORAGE ---- 3-151
DURING STORAGE ---- 3-151
AFTER STORAGE ---- 3-152
STARTING MACHINE AFTER LONG-TERM STORAGE ---- 3-152
TROUBLES AND ACTIONS ---- 3-153

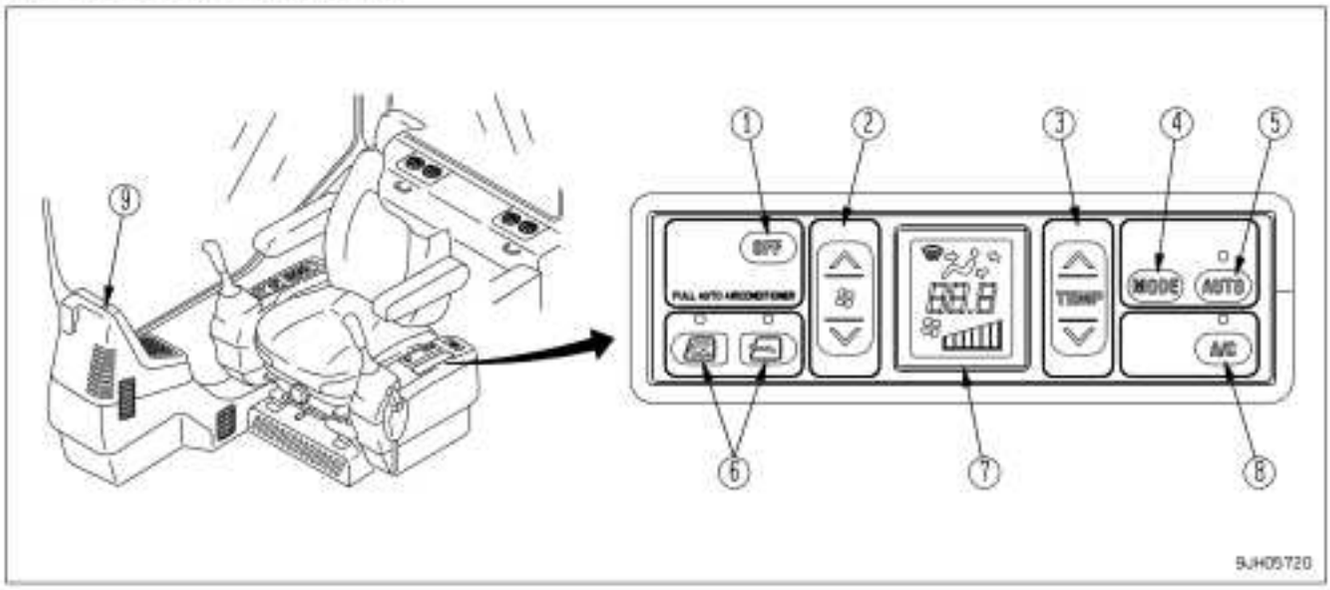
MidWestTech | Komatsu PC600-8, PC600LC-8 Hydraulic Excavator Operation & Mainte... Order the manual at mid-west-tech.com >

RUNNING OUT OF FUEL ---- 3-153
PHENOMENA THAT ARE NOT FAILURES ---- 3-154
TOWING THE MACHINE ---- 3-155
SEVERE JOB CONDITION ---- 3-155
DISCHARGED BATTERY ---- 3-156
OTHER TROUBLE ---- 3-160
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 100 HOURS MAINTENANCE (ONLY AFTER THE FIRST 100 HOURS) ---- 4- 18
INITIAL 500 HOURS MAINTENANCE (ONLY AFTER THE FIRST 500 HOURS) ---- 4- 18
WHEN REQUIRED ---- 4- 19
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- 53
EVERY 1000 HOURS MAINTENANCE ---- 4- 63
EVERY 2000 HOURS MAINTENANCE ---- 4- 75
EVERY 4000 HOURS MAINTENANCE ---- 4- 81
EVERY 5000 HOURS MAINTENANCE ---- 4- 84
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
TRACK SHOES SELECTION ---- 6- 5
HANDLING COUNTERWEIGHT REMOVER ---- 6- 6
HANDLING MACHINES EQUIPPED WITH KOMTRAX ---- 6- 15

MidWestTech | Komatsu PC600-8, PC600LC-8 Hydraulic Excavator Operation & Mainte... Order the manual at mid-west-tech.com >

AIR CONDITIONER CONTROLS

Air Conditioner Control Panel



(1) OFF switch
(2) Fan switch
(3) Temperature control switch
(4) Vent selector switch
(5) Auto switch
(6) FRESH/RECIRC selector switch
(7) Display monitor
(8) Air conditioner switch
(9) Sunlight sensor

OFF Switch

Switch (1) is used to stop the fan and air conditioner.

- When OFF switch (1) is pressed, the set temperature and air flow display on display monitor (7), the lamps above auto switch (5), and air conditioner (8) go out, and operation stops.



REMARK

When switch (1) is turned to the OFF position, the lamp above FRESH/RECIRC selector switch (6) does not go out, but this is not a problem.

MidWestTech | Komatsu PC600-8, PC600LC-8 Hydraulic Excavator Operation & Mainte... Order the manual at mid-west-tech.com >

MAINTENANCE PROCEDURE

INITIAL 100 HOURS MAINTENANCE (ONLY AFTER THE FIRST 100 HOURS)

Perform the following maintenance only after the first 100 hours.

- Clean strainer of PTO lubricating oil filter

For details of the method of maintaining, see EVERY 500 HOURS MAINTENANCE.

INITIAL 500 HOURS MAINTENANCE (ONLY AFTER THE FIRST 500 HOURS)

Carry out the following maintenance only after the first 500 hours of operation on new machines.

- Change oil in swing machinery case
- Change oil in PTO case
- Change oil in final drive case

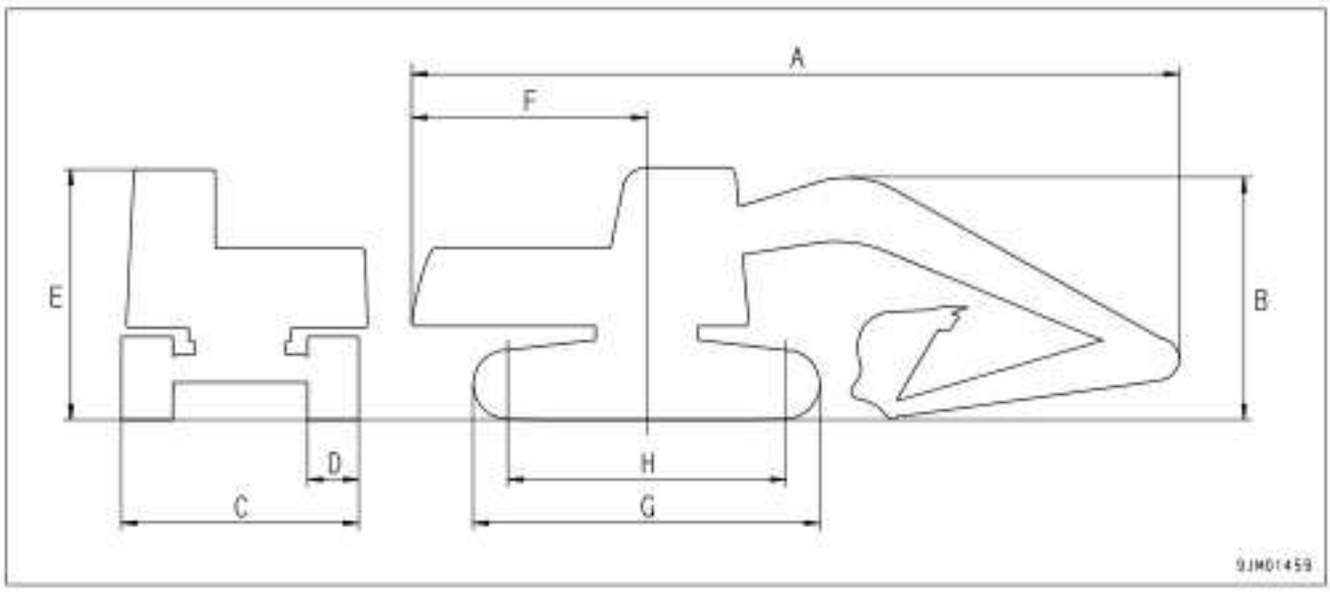
Special tools are needed for inspection and maintenance, so contact your Komatsu distributor.

For details of the method of replacing or maintaining, see EVERY 1000 HOURS and EVERY 2000 HOURS SERVICE.

MidWestTech | Komatsu PC600-8, PC600LC-8 Hydraulic Excavator Operation & Mainte... Order the manual at mid-west-tech.com >

SPECIFICATIONS

	Item	Unit	PC600-8	PC600LC-8
	Operating weight (including one person)	kg (lb)	56,600 (124,803)	57,600 (127,008)
	Bucket capacity	m^3 (cu.yd)	2.7 (3.5)	2.7 (3.5)
	Name of engine	-	KOMATSU SAA6D140E-5 deisel engine	
	Rated horsepower of engine	kW (HP)/rpm	323 (439)/1,800	323 (439)/1,800
A	Overall length	mm (ft in)	12,910 (42'4")	12,910 (42'4")
B	Overall height	mm (ft in)	4,300 (14'1")	4,300 (14'1")
C	Overall width	mm (ft in)	3,900 (12'10")	3,900 (12'10")
D	Track shoe width	mm (ft in)	600 (1'12")	600 (1'12")
E	Height of cab	mm (ft in)	3,290 (10'10")	3,290 (10'10")
F	tail swing radius	mm (ft in)	3,675 (12'1")	3,675 (12'1")
G	Overall length of track	mm (ft in)	5,340 (17'6")	5,690 (18'8")
H	Tumbler center distance	mm (ft in)	4,250 (13'11")	4,600 (15'1")
	Min. ground clearance	mm (ft in)	780 (2'7")	780 (2'7")
	Traveling speed (low/high)	km/h (MPH)	3.0/4.9 (1.9/3.0)	3.0/4.9 (1.9/3.0)
	Swing speed	rpm	8.3	8.3



MidWestTech | Komatsu PC600-8, PC600LC-8 Hydraulic Excavator Operation & Mainte... Order the manual at mid-west-tech.com >