CEAM008001

Operation & Maintenance Manual

KOMATSU®

PC400LC-6LM

PC400HD-6LM

HYDRAULIC EXCAVATOR

SERIAL NUMBERS	PC400LC-6LM	A85001 and up
	PC400HD-6LM	A85001 and up
ENGINE	6D125E-2	

April 2016

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PRODUCT PUBLICATIONS INFORMATION

Various product Parts and Service Publications are available to all **KOMATSU** construction equipment owners, including operation and maintenance manuals, parts books and shop manuals.

Special publications, such as service tool, air conditioning and turbocharger shop manuals are also available as well as selected Operation & Service Manuals in foreign languages.

The Publications listed below are available for this particular machine(s).

DESCRIPTION	FORM NUMBER
PARTS BOOK	
Chassis and Engine	BEPB009100
OPERATION AND MAINTENANCE MANUAL:	
Chassis and Engine	CEAM008000
SHOP MANUAL:	
Chassis	CEBM005300
Engine	SEBM006402
SAFETY MANUAL:	
Excavator	HE92-2

Parts and Service Publications can only be acquired by authorized KOMATSU distributors using the Komatsu America International Company Parts Inventory Processing System (PIPS).

If the PIPS system is not available at the distributor location, then the following Requisition for Technical Service Publications and Service Forms can be used. Form KDC91E is shown on the reverse side of this page.

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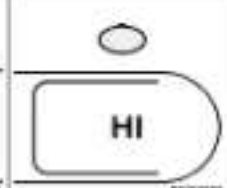
Temperature Control Switch (3)

This switch is used to adjust the temperature steplessly between low and high.

Use	Cooling	Heating
Switch		
		
	The more lights in the blue range illuminate, the lower the temperature becomes; the more lights in the red range illuminates, the higher the temperature becomes. The range is divided into seven levels, with each range divided steplessly.	

Wind Flow Selector Switch (4)

The wind flow can be adjusted to 3 levels.

Use	Low flow	Medium flow	High flow
Switch			

Air Conditioner Switch (5)

This is used to switch the air conditioner on/off.

Off Switch (6)

This switch is use to stop the fan.

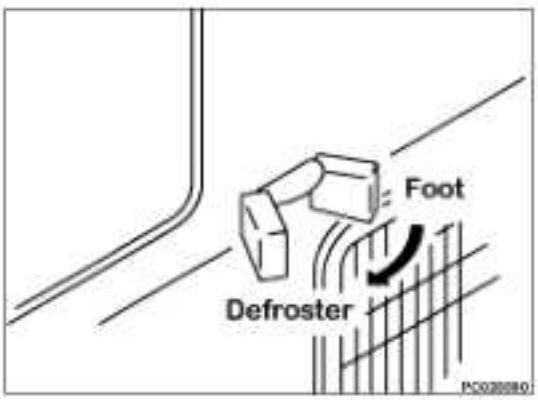
Defroster Selector Lever (7)

This is used to clear the mist from the front glass in cold or rainy conditions.

Selector lever forward. . . . . Defroster

Selector lever back . . . . . Foot

The defroster can be used when the vent selector panel is at the position.



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ENGINE OIL SPECIFICATIONS

NORMAL OPERATION

Oil performance recommendations are as follows:

- The use of a quality engine lubricating oil combined with appropriate oil and filter change intervals are critical factors in maintaining engine performance and durability.
- Komatsu Engine Oil or multi viscosity engine oil meeting API performance classification CF-4, CG-4, CF-4/SG or CG-4/SH or MIL-L-2104D or E is recommended.

NOTE
Classification CD, CE, CD/SF or CE/SF oils may be used in areas where CF-4, CG-4, CF-4/SG or CG-4/SH oil is not yet available. If API classification CC or CC/CD is used, reduce the engine oil change interval by half.

- A sulfated ash limit of 1.0 to 1.5 mass percent is suggested for optimum valve and piston deposit and oil consumption control. The sulfated ash must not exceed 1.85 mass percent. The sulfated ash limit of 1.85 mass percent has been placed on all engine lubricating oils recommended for use in the engine. Higher ash oils can cause valve and/or piston damage and lead to excessive oil consumption.
- The API service symbol displays the following information. The upper half of the symbol displays the appropriate oil categories; the lower half may contain words to describe oil energy conserving features. The center section identifies the SAE oil viscosity grade.

Oil viscosity recommendations are as follows:

- The use of a multi grade lubricating oil has been found to improve oil consumption control and improve engine cranking in cold temperatures while maintaining lubrication at high operating temperatures. While SAE 15W-40 multi viscosity oil is recommended for most operating climates, refer to the previous table for oil viscosity recommendations for extreme climates.

NOTE
Limited use of low viscosity oils, such as SAE 10W-30 may be used for easier starting and providing sufficient oil flow at ambient temperatures below -5°C. However, continuous use of low viscosity oils can decrease engine life due to wear.

- Special break in lubricating oils are not recommended for a new or rebuilt engine. Use the same type of oil during the break in as specified for normal operation.
- Additional information regarding lubricating oil availability throughout the world is available in the EMA. Lubricating Oils Data Book for Automotive and Industrial Engines. The data book may be ordered from the Engine Manufacturers Association, One Illinois Center, 111 East Wacker Drive, Chicago, Il U.S.A. 60601. The telephone number is (312) 644-6610.

ARCTIC OPERATION

If an engine is operated in ambient temperatures consistently below -23°C and there are no provisions to keep the engine warm when it is not in operation, use a synthetic engine oil API performance classification CF-4, CG-4, CF-4/SG or CG-4/SH with adequate low temperature properties such as SAE 5W-20 or 5W-30. The oil supplier must be responsible for meeting the performance service specifications.

NOTE
The use of a synthetic base oil does not justify extended oil change intervals. Extended oil change intervals can decrease engine life due to factors such as; corrosion, deposits and wear.

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PC400HD-6KE

				Operating Weight	Ground Pressure
WEIGHTS	• Operating weight		600 mm shoes	43850 kg	0.79 kg/cm²
			700 mm shoes	44300 kg	0.68 kg/cm²
			800 mm shoes	44760 kg	0.60 kg/cm²
			Maximum weight		
				Width	Weight
PERFORMANCE	• Bucket	HD Cast	0.96 m³ capacity	762 mm	1175 kg
		STD Plate	1.25 m³ capacity	914 mm	1235 kg
		HD Plate	1.25 m³ capacity	914 mm	1498 kg
		HD Cast	1.15 m³ capacity	838 mm	1267 kg
		STD Plate	1.50 m³ capacity	1067 mm	1368 kg
		HD Plate	1.50 m³ capacity	1067 mm	1671 kg
		HD Cast	1.33 m³ capacity	991 mm	1348 kg
		STD Plate	1.82 m³ capacity	1219 mm	1456 kg
		HD Plate	1.82 m³ capacity	1219 mm	1766 kg
		HD Cast	1.62 m³ capacity	1143 mm	1511 kg
		STD Plate	2.10 m³ capacity	1372 mm	1606 kg
		HD Plate	2.10 m³ capacity	1372 mm	1932 kg
		STD Plate	2.29 m³ capacity	1524 mm	1691 kg
		HD Plate	2.29 m³ capacity	1524 mm	2048 kg
	• Travel speed		Low speed	3.2 km/h	
			Middle speed	4.5 km/h	
			High speed	5.5 km/h	
	• Swing speed			9.3 rpm	
SHOES	• Triple grouser shoes			600 mm	
				700 mm	Standard
				800 mm	
ENGINE	• Model			Komatsu SAA6D125E-2	
	• Flywheel horsepower			228 kW @ 2050 rpm	
	• Starting motor			24V 11kW	
	• Alternator			24V 50A	
	• Battery			12V 150 Ah x 2	

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