CEAM008301

Operation & Maintenance Manual

KOMATSU®

PW400MH-6

WHEEL EXCAVATOR

SERIAL NUMBERS PW400MH-6 A84210 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	BEPB009400
OPERATION AND MAINTENANCE MANUAL	
Chassis and Engine	CEAM008300
SHOP MANUAL	
Chassis	CEBM005600
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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The amount of a replacement inhibitor is determined by the length of the service interval and the cooling system capacity. Refer to the DCA4 Unit Guide for the selection of the correct filter to replenish the SCA. If coolant is added between drain intervals, additional SCA will be required. Check the coolant DCA concentration level anytime make up coolant is added to the system. The SCA concentration must not fall below 0.13 units per liter or exceed 0.5 units per liter.

DCA4 UNIT GUIDE	
Fleetguard Part No.	**DCA4 Units**
DCA4 Coolant Filter	
WF-2070	2
WF-2071	4
WF-2072	6
WF-2073	8
WF-2074	12
WF-2075	15
WF-2076	23
WF-2077	0
DCA4 Liquid	
DCA60L	4
DCA80L	1760
DCA4 Powder	
DCA95	20

DCA4 Precharge and Service Filters		
System Capacity - Liters	**Precharge Filter - NOTE 1**	**Service Filter - NOTE 3**
19 to 26	WF-2072	WF-2070
30 to 38	WF-2073	WF-2071
42 to 57	WF-2074	WF-2071
61 to 76	WF-2075	WF-2071
80 to 114	WF-2076	WF-2072
118 to 190	NOTE 2	WF-2073

NOTE 1 After draining and replacing coolant, always precharge the cooling system to maintain the SCA concentration between 1.0 and 2.0 units per 3.8 L.

Remark

When performing service which requires draining the cooling system, discard the coolant. Reusing coolant can introduce contaminates or over concentrated chemicals, resulting in premature failure of cooling system components.

NOTE 2 To precharge cooling systems larger than 114 L do the following:

- Install appropriate service filter listed in the above table based on cooling system capacity.

Example:	360 L	Cooling system capacity
	-15 Units	(1) WF-2075 Filter
	80 Units	

- The answer represents the additional units required to precharge the cooling system. Four bottles of powder, part number DCA95, will provide a sufficient amount of SCA units (80) to precharge the example cooling system.
- Install the appropriate service filter at the next and subsequent maintenance intervals.

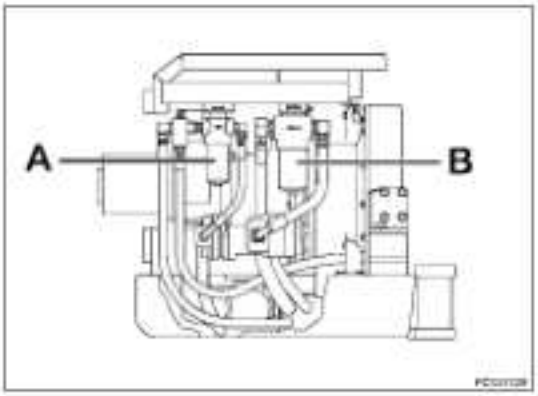
NOTE 3 Change the coolant filter at every engine oil and filter change interval to protect the cooling system.

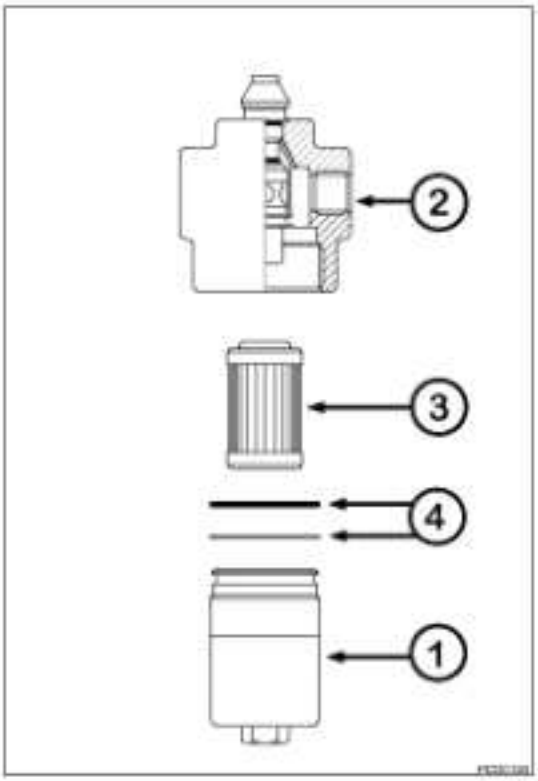
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REPLACE STEERING AND GENERATOR PUMP FILTERS

Replace the steering pump filter (**A**) and the generator pump filter (**B**) as follows;

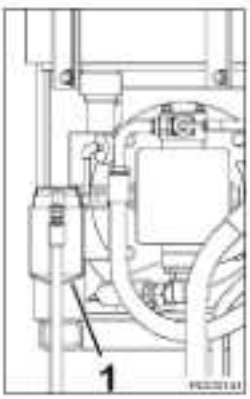
1. Position a drain container under the filter assembly to catch any access oil.
2. Using a wrench, loosen the element body (1) from the filter header (2), then remove.
3. Remove and properly discard the filter element (3) and o-ring and back up washer (4). Replace with new.
4. Insert new element onto the valve post in the header.
5. Install new o-ring and back up washer to the element body and thread body into header until tight.





REPLACE GENERATOR MOTOR CASE DRAIN FILTER

1. Remove and replace spin on filter element.



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1. Fuse
2. Outriggers On Switch
3. Pilot Shut Off
4. Axle Lock Toggle Switch
5. Relay
6. Axle Lock
7. Parking Brake Toggle Switch
8. Relay
9. Parking Brake
10. Diode
11. Accumulator Pressure Switch
12. Relay
13. Valve for One Outrigger Operation
14. Valve for All Outrigger Operation
15. In Out Toggle Switch
16. Relay
17. Momentary Switch
18. Diode
19. Front Left Outrigger Switch
20. Front Right Outrigger Toggle Switch
21. Rear Left Outrigger Toggle Switch
22. Rear Right Outrigger Toggle Switch
23. All Outriggers Toggle Switch
24. Relay
25. Slip Ring Connector
26. Outrigger On Lamp

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