CEAM008803

Operation & Maintenance Manual

KOMATSU®

PC300LC-7L
PC300HD-7L

SERIAL NUMBERS	PC300LC-7L A85001 and up PC300HD-7L A85001 and up
ENGINE	6D114E-2

March 2016

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OPERATION

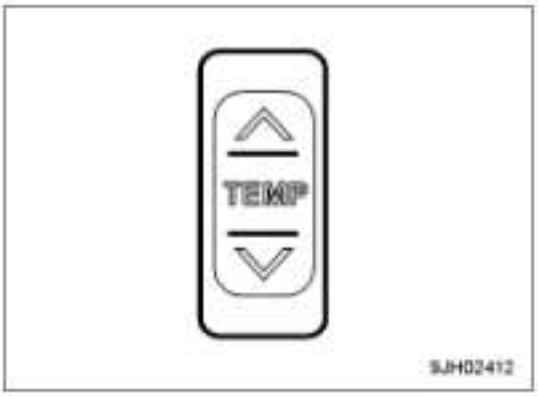
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3. Temperature Set Switch

This switch (3) is used to control the temperature inside the cab. The temperature can be set between 18°C and 32°C.

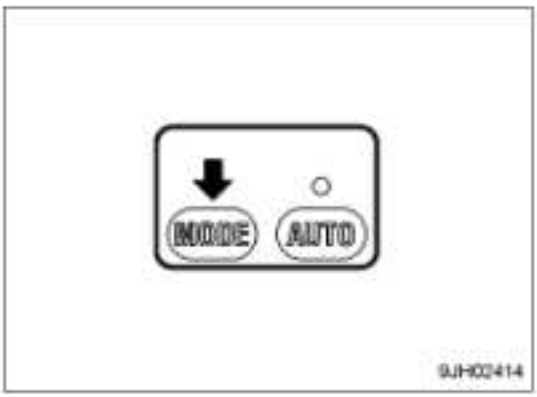
- Press the ∧ switch to raise the set temperature; press the ∨ switch to lower the set temperature.
- The temperature is generally set at 25°C. The temperature can be set in stages of 0.5°C.



4. Vent Selector Switch

This switch (4) is used to select the vents.

- When switch (4) is pressed, the display on monitor display (7) switches and air blows out from the vents displayed.
- If AUTO operation is selected, the vents are selected automatically.



A Rear vents (4 places)

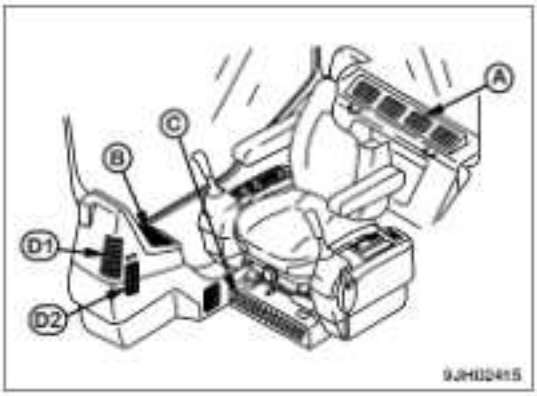
B Face vent (1 place)

C Foot vent (1 place)

D1 Front window vent (1 place)

D2 Front window vent (1 place)

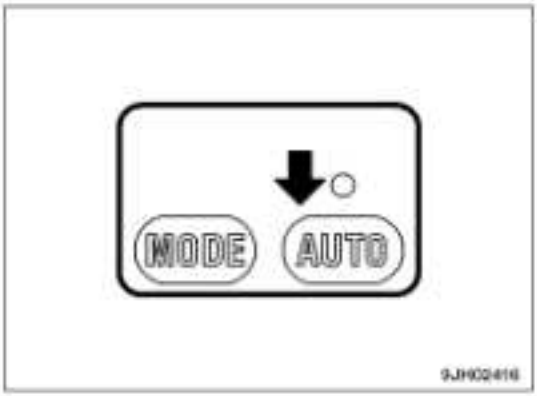
- Front window vent (D2) can be opened or closed by hand.



5. Auto Switch

With this switch (5), the air flow, vents, and air source (RECIRCULATING FRESH) are automatically selected according to the set temperature. This switch also acts as the air conditioner main switch.

- When auto switch (5) is pressed, the lamp at the top of the auto switch lights up. Normally, press this switch, then use temperature control switch (3) to set the temperature, and run the air conditioner under automatic control.
- When the control is switched from automatic operation to manual operation, it is then possible to operate the switch to change the air flow, vents, and air source (RECIRCULATING FRESH). When the manual control is used, the lamp at the top of the auto switch goes out.



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EVERY 500 HOURS MAINTENANCE

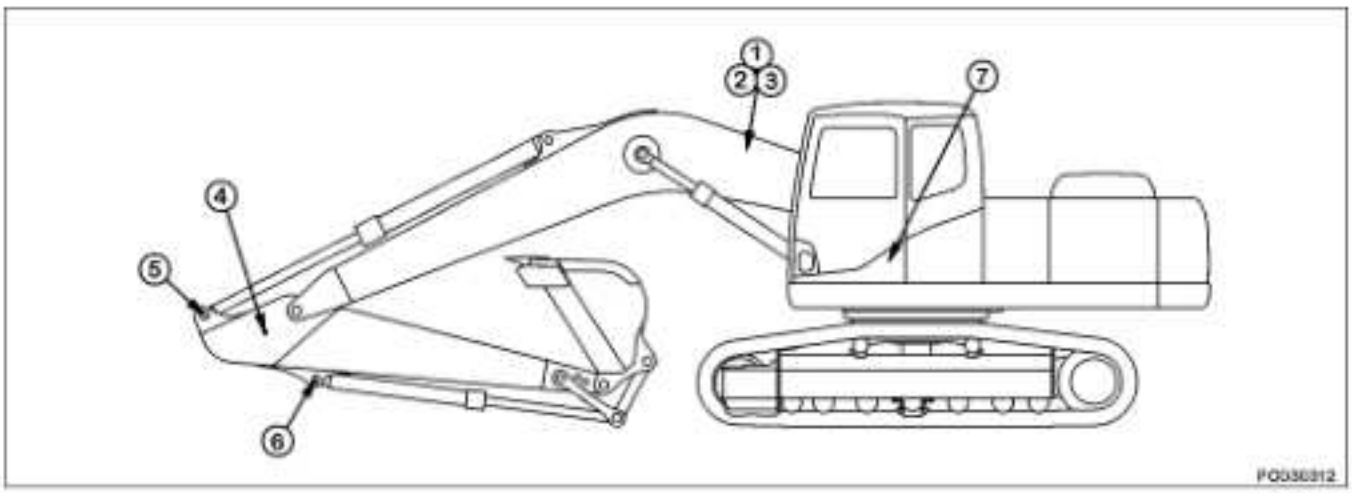
PREVIOUS MAINTENANCE

Carry out maintenance for every 250 hours service at this same time.

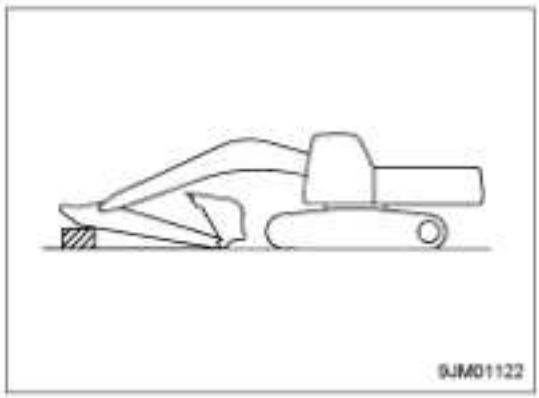
LUBRICATION

Remark

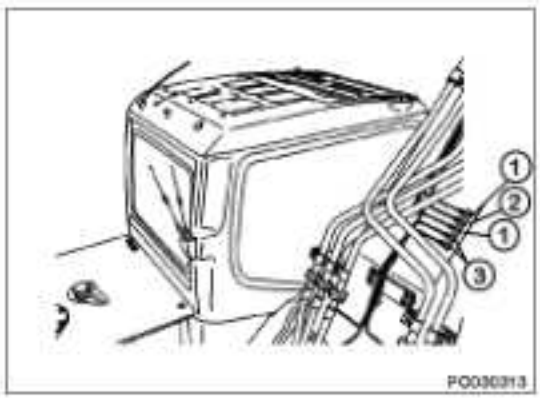
For the first 50 hours of new machine operation, grease points 1 to 7 every 10 hours. Grease these points at 500 hours of new machine operation. After this, grease them every 500 hours or every six months. After carrying out digging work in water, grease the pins that were under water. When carrying out heavy duty operations, such as hydraulic breaker operations, carry out the greasing every 100 hours



1. Set the work equipment in the greasing posture and stop the engine
2. Use a grease pump to pump grease in through the grease fittings shown.
3. After greasing, wipe off any old grease that was pushed out.



1. Boom cylinder rod end ..... 2 points
2. Arm cylinder foot pin ..... 1 point
3. Boom foot pin ..... 2 points



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PC300LC-7L: Power Plus Specification
STD Arm & 850 mm

Shoe: 850 mm
Arm: 3185 mm
Bucket: 1.43 m³ - (1.83 yd³) (SAE heaped)
Weight: 1015 kg

Ratings are based on SAE Standard No. J1097.

Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

	A	3 m - 10 ft		4.5 m - 15 ft		6 m - 20 ft		7.5 m - 25 ft		9 m - 30 ft		Maximum	
B		Straight	90°	Straight	90°	Straight	90°	Straight	90°	Straight	90°	Straight	90°
7.5 m	kg							* 6,700	* 6,700			* 5,300	* 5,300
25 ft	lb							14,800	14,800			11,750	11,750
6 m	kg							* 7350	6,700			* 5,250	5,050
20 ft	lb							16,250	14,800			11,600	11,200
4.5 m	kg					* 9,200	*9,200	* 7,950	6,500	6,950	4,700	* 5,400	4,450
15 ft	lb					20,300	20,300	17,450	14,300	15,300	10,350	11,900	9,800
3 m	kg			* 14,300	13,550	* 10,600	8,800	* 8,600	6,200	7,300	4,550	* 5,700	4,100
10 ft	lb			31,550	29,900	23,350	19,400	19,000	13,650	16,100	10,050	12,600	9,050
1.5 m	kg			* 16,550	12,600	* 11,750	8,250	*9,250	5,900	7,150	4,400	*6,250	3,950
5 ft	lb			36,550	27,850	26,000	18,200	20,450	13,000	15,750	9,700	13,800	8,750
0 m	kg	* 8,100	* 8,100	* 17,250	12,100	12,400	7,900	9,300	5,650	7,000	4,300	6,600	4,000
0 ft	lb	17,900	17,900	38,000	26,700	27,400	17,400	20,500	12,500	15,450	9,450	14,550	8,850
-1.5 m	kg	* 13,350	* 13,350	* 16,700	11,950	12,350	7,700	9,150	5,550			7,050	4,300
-5 ft	lb	29,450	29,450	36,800	26,350	27,250	17,050	20,200	12,250			15,600	9,500
-3 m	kg	* 19,550	*19,550	* 15,150	12,050	11,450	7,700	*8,750	5,550			*7,650	4,950
-10 ft	lb	43,100	43,100	33,400	26,550	25,250	17,050	19,300	12,300			16,900	10,950
-4.5 m	kg	* 16,150	*16,150	* 12,350	12,350	9,350	7,900					* 7,500	6,350
-15 ft	lb	35,600	35,600	27,250	27,200	20,650	17,450					16,500	14,050
-6 m	kg			* 7,150	* 7,150							* 6,250	* 6,250
-20 ft	lb			15,850	15,850							13,750	13,750

***Load is limited by hydraulic capacity rather than tipping.**

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