CEAM012301

Operation & Maintenance Manual

PC300LL-7L

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC300LL-7L A85001 and up

ENGINE 6D114E-2

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KOMATSU®

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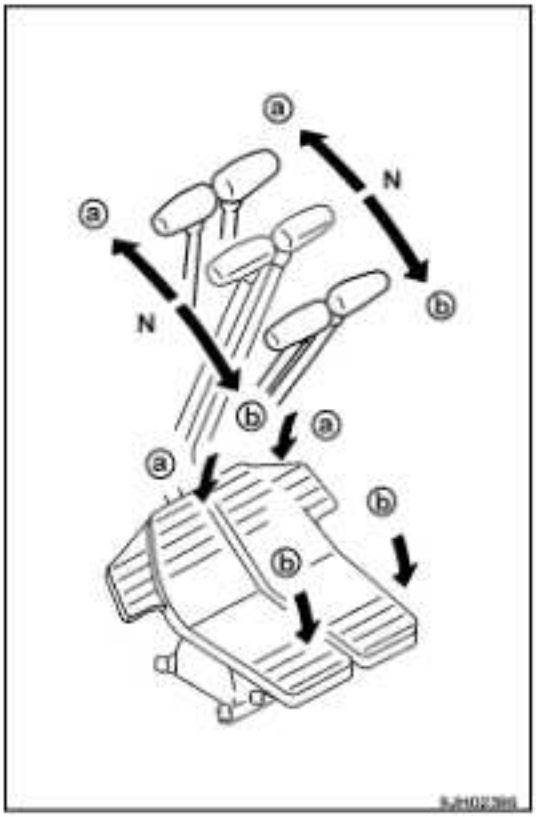
TRAVEL LEVERS

WARNING

Do not put your foot on the pedal unless the machine is traveling. If you leave your foot on the pedal and press it by mistake, the machine will move suddenly, and this may lead to a serious accident.

With the track frame facing to the rear, the machine will move in the reverse direction by forward traveling and in the forward direction by reverse traveling. When the travel lever is used, check to see if the track frame is facing forward or backward.

If the sprocket is located to the rear, the track frame is facing forward. Be extremely careful when using the pedal for operations and travel.



This lever (2) is used to switch the direction of travel of the machine.

a. FORWARD..... The lever is pushed forward
(The pedal is angled forward)

b. REVERSE.....The lever is pulled back
(The pedal is angled back)

N. Neutral..... The machine stops

( ): This indicates operation of the pedal.

Remark

Machines equipped with travel alarm. If the lever is shifted to the advance or reverse position from the neutral position, the alarm sounds to warn that the machine is starting to advance.

The travel lever can use the auto deceleration mechanism to change the engine speed as follows.

When the travel lever and work equipment control levers are at the neutral position, even if the fuel control dial is above mid range speed, the engine speed will go down to a mid range speed. If one of these levers is operated, the engine speed will rise to the speed set by the fuel control dial.

If all the control levers are at the neutral position, the engine speed goes down approximately 100 rpm, then after approximately 4 seconds, the engine speed goes down to the deceleration speed (approximately 1400 rpm).

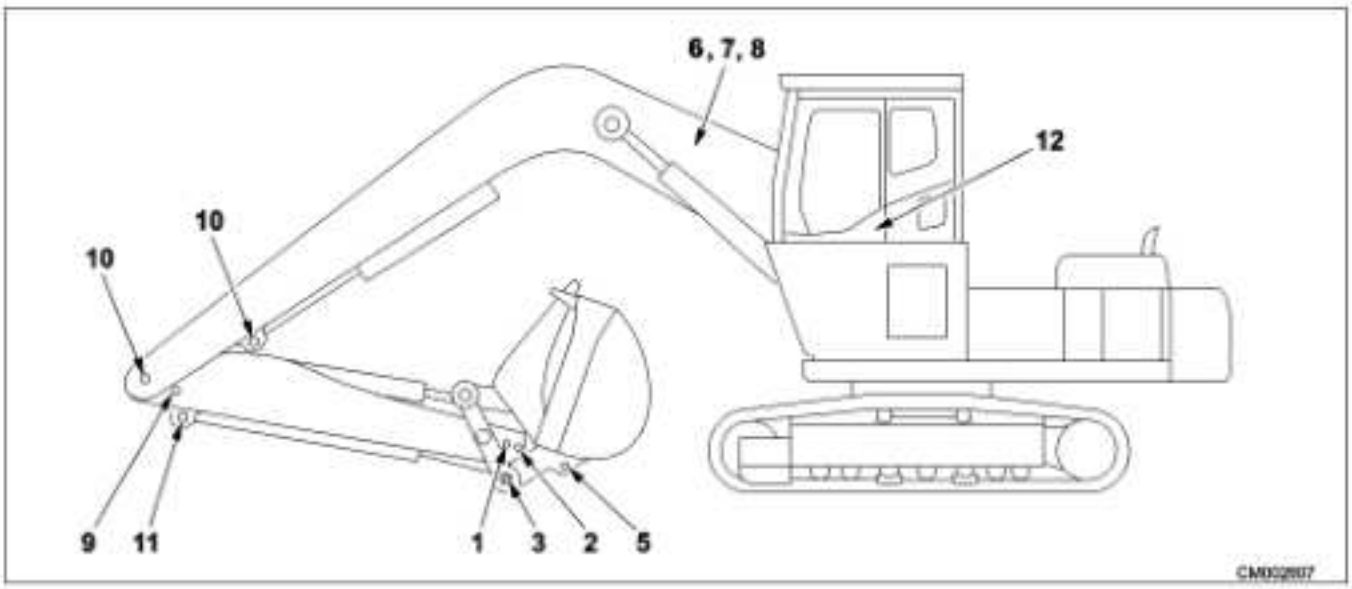
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MAINTENANCE PROCEDURE

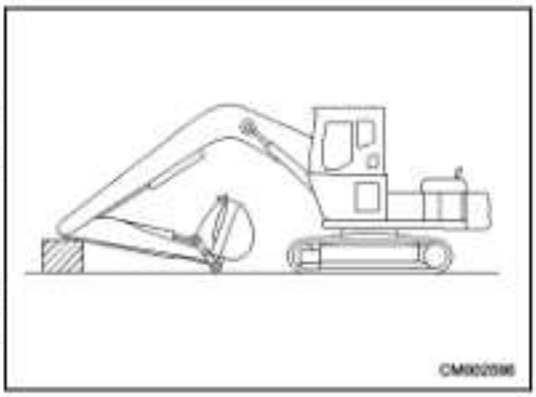
INITIAL 10 HOURS MAINTENANCE

Carry out the following maintenance only after the first 10 hours of operation on new machines up to the first 50 hour new machine interval.

★ Items 1 through 5 are to be performed at every 250 hour interval and items 6 through 12 are to be performed at every 500 hour interval.



LUBRICATION ROAD BUILDER MACHINE



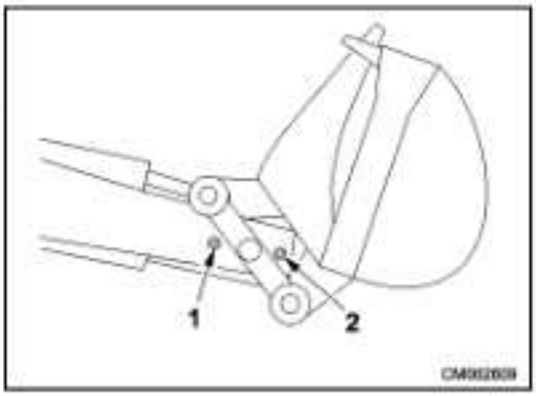
Remark

Log Loader machine grease fittings on the work equipment will vary between suppliers. Komatsu America does not supply the work equipment, contact the supplier of the work equipment for lubrication points and requirements.

Remark

When operating the machine for the first 50 hours, perform the greasing every 10 hours. After digging in water, always grease the pins that were under water. When doing heavy duty operations, like hydraulic breaker operations, grease every 100 hours.

1. Set the work equipment in the greasing posture. Lower the work equipment to the ground and stop the engine.



2. Using a grease pump, pump the grease through the grease fittings indicated by the arrows.
   1. Arm link coupling pin..... 1 point
   2. Arm bucket coupling pin (2)..... 1 point

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	Item	Unit	PC300LLC-7L Road Builder* w/3185 mm Arm	PC300LL-7L Log Loader**
	Operating weight	kg	45115	37461
	Bucket capacity	m³	0.88 to 2.00	
	Diesel engine	---	KOMATSU SAA6D114E-2	
	Engine horsepower	kW @ rpm	180 @ 1900	
A	Overall length	mm	11140	5945
B	Length on ground - transport	mm	5930	5002
C	Overall height	mm	4043	4881
D	Overall [crawler] width	mm	3632	3632
E	Height of cab:	mm	---	---
	15 in. Riser		4043	(4043)
	48 in. Riser		(4881)	4881
	48 in. Riser-Tilted Transport Position		(3697)	3697
	60 in. Riser		(5186)	(5186)
	60 in. Riser-Tilted Transport Position		(3700)	(3700)
F	Ground clearance, counterweight	mm	1493	1493
G	Ground clearance, minimum	mm	762	762
H	Tail swing radius	mm	3450	3450
J	Track length on ground	mm	3996	3996
K	Length of track	mm	5002	5002
L	Track gauge	mm	2932	2932
M	Shoe width	mm	700	700
N	Grouser height	mm	46	37
P	Engine hood height	mm	2923	2923
Q	Upper structure width	mm	3513	3513
R	Swing center to tail end	mm	3405	3405
	Travel speed Low	km/h	2.4	2.4
	Medium		3.7	3.7
	High		4.6	4.6
	Swing speed	rpm	7.5	7.5

* **Road Builder** includes high-wide track frame, 700 mm double grouser shoe, heavy counterweight, battery box guard, cab riser (15 inch), thumb on bucket.

** **Log Loader** includes high-wide track frame, 700 mm triple grouser shoe, heavy counterweight, battery box guard, cab riser (48 inch0, without work equipment.

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