CEAM017803

Operation & Maintenance Manual

PC300LL-7E0

LOGGING EXCAVATOR

SERIAL NUMBERS PC300LL-7E0 A86001 and up

ENGINE 6D114E-3

April 2016

KOMATSU®

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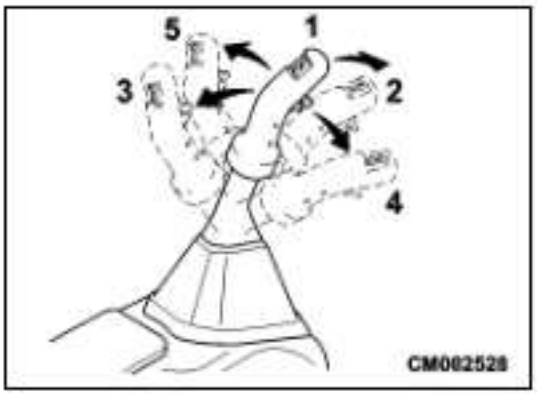
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WORK EQUIPMENT CONTROL LEVER

⚠ WARNING

If any lever is operated when in the deceleration range, the engine speed will suddenly increase, so be careful when operating the levers.

The left equipment control lever (Road Builder and Log Loader) is used to operate the arm and upper structure.



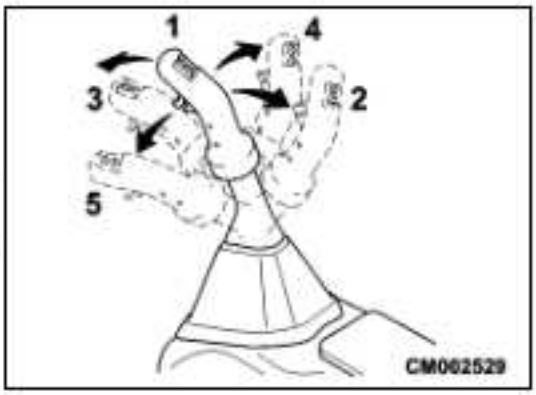
ARM OUT (2)

SWING LEFT (5) | NEUTRAL (1) | SWING RIGHT (4)

ARM IN (3)

When the lever is in the neutral (1) position, the upper structure and the arm will be retained in the position in which they stop.

The Road Builder right equipment control lever is used to operate the boom and bucket.



BOOM LOWER (3)

BUCKET CURL (5) | NEUTRAL (1) | BUCKET DUMP (4)

BOOM RAISE (2)

The Log Loader right equipment control lever is used to operate the boom and heel rack

BOOM LOWER (3)

HEEL RACK IN (5) | NEUTRAL (1) | HEEL RACK OUT (4)

BOOM RAISE (2)

When the lever is in the neutral (1) position, the boom and the bucket will be retained in the position in which they stop. For lever position 2, 3, 4 and 5, the engine speed changes as follows because of the auto deceleration mechanism.

- When the travel lever and work equipment control levers are at neutral, even if the fuel control dial is above the mid range position, the engine speed will drop to a mid range speed. If any of the levers are operated, the engine speed will rise to the speed set by the fuel control dial.
- If all control levers are set to neutral, the engine speed will drop by = 100 rpm, and after = four seconds, the engine speed will drop to the deceleration speed (= 1400 rpm)

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CLEAN AIR CONDITIONER FRESH/RECIRC FILTERS

⚠ WARNING

If compressed air is used, there is danger that dirt may fly and cause personal injury.

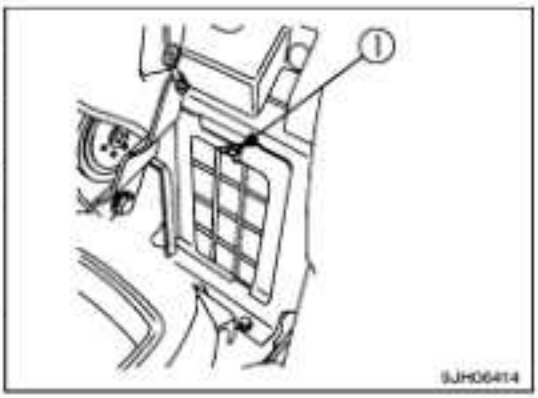
Always wear protective glasses, dust mask, and other protective equipment.

- As a guideline, the filters should be cleaned every 500 hours, but on dusty jobsites, clean the filtees more frequently.

Remark

If the filter becomes clogged, the air flow will be reduced, and there will be an abnormal noise from the air conditioner unit.

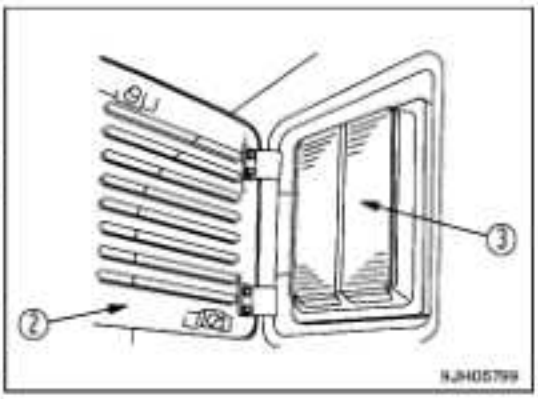
CLEANING RECYCLING AIR FILTER



1. Remove wing bolts (1) from the inspection window at the bottom rear left on the inside of the operator's cab, then take out the recirculated air filter.
2. Clean the filter with compressed air. If there is oil on the filter, or if the filter is extremely dirty, wash it in a neutral agent. After rinsing it in water, dry it thoroughly before using it again.

   Replace the filter with a new part every year. If the clogging of the filter cannot be removed by blowing with air or washing in water, replace the filter immediately.

CLEANING FRESH AIR FILTER



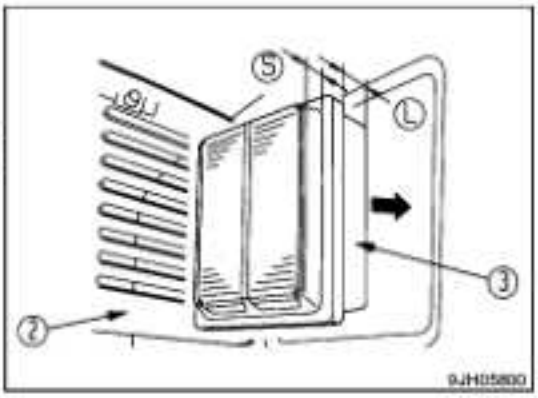
1. Use the ignition switch key to open cover (2) at the rear left of the operator's cab, then open cover (2) by hand and remove filter (3) inside the cover.
2. Clean the filter with compressed air. If there is oil on the filter, or if the filter is extremely dirty, wash it in a neutral agent. After rinsing it in water, dry it thoroughly before using it again.

   Replace the filter with a new part every year. If the clogging of the filter cannot be removed by blowing with air or washing in water, replace the filter immediately.
3. After cleaning, return filter (3) to its original position and close the cover. Use the ignition switch key to lock the cover. Do not forget to remove the ignition switch key.

Remark

*The **FRESH** filter must be installed facing in the correct direction.*

When installing, insert the long (L) end of filter (3) into the filter case first. If the short (S) end is installed first, cover (2) will not close.



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PC300LL-7E0 Road Builder

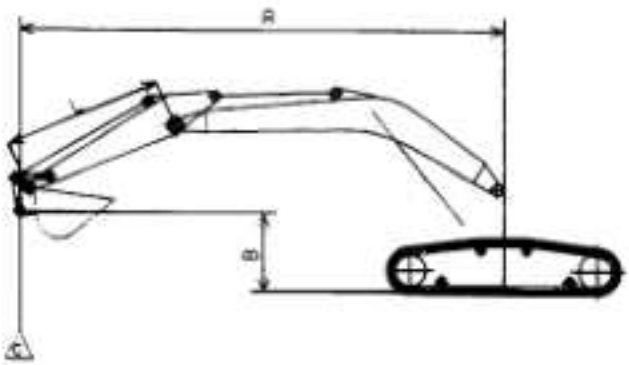
Arm: 3185 mm

Shoe: 700 mm Double Grouser

Bucket with thumb: 1.4 m^3 (1.83 yd^3)

(SAE heaped) Weight: 997 kg (2198 lb)

LIFTING CAPACITY



L : 3187mm
A :REACH FROM SWING CENTER
B :BUCKET HOOK HEIGHT
C :LIFTING CAPACITY
CF: RATING OVER FRONT
CS: RATING OVER SIDE
● :RATING AT MAXIMUM REACH

UNIT:LB(KG)

A / B	MAX	● MAX		30Ft(9.1)		25Ft(7.6)		20Ft(6.1)		15Ft(4.6)		10Ft(3.0)	
		CF	CS	CF	CS	CF	CS	CF	CS	CF	CS	CF	CS
25Ft (7.6)	26Ft (8.0)	*10550 (4750)	*10550 (4750)			*13750 (6250)	*13750 (6250)						
20Ft (6.1)	29Ft (8.8)	*10450 (4750)	*10450 (4750)			*15000 (6800)	*15000 (6800)						
15Ft (4.6)	31Ft (9.3)	*10850 (4900)	*10850 (4900)	*13400 (6050)	*13400 (6050)	*16250 (7350)	*16250 (7350)	*19250 (8750)	*19250 (8750)				
10Ft (3.0)	31Ft (9.6)	*11700 (5300)	*11700 (5300)	*15050 (6800)	14200 (6450)	*17750 (8050)	*17750 (8050)	*22200 (10050)	*22200 (10050)	*20900 (14000)	*20900 (14000)		
5Ft (1.5)	31Ft (9.6)	*13050 (5900)	12900 (5850)	*15550 (7050)	13900 (6300)	*19000 (8600)	18600 (8400)	*24650 (11150)	*24650 (11150)	*34950 (15850)	*34950 (15850)		
0Ft (0.0)	31Ft (9.3)	*15150 (6850)	13300 (6050)	*15500 (7050)	13700 (6200)	*19650 (8900)	18150 (8200)	*25650 (11600)	25450 (11500)	*35850 (16250)	*35850 (16250)	*19600 (8900)	*19600 (8900)
-5Ft (-1.5)	29Ft (8.8)	*15450 (7000)	14550 (6600)			*19100 (8650)	17960 (8100)	*25150 (11400)	25100 (11400)	*34250 (15600)	*34250 (15600)	*31550 (14300)	*31550 (14300)
-10Ft (-3.0)	26Ft (7.9)	*15600 (7050)	*15600 (7050)			*16700 (7550)	*16700 (7550)	*22650 (10250)	*22650 (10250)	*30350 (13750)	*30350 (13750)	*41350 (18750)	*41350 (18750)
-15Ft (-4.6)	22Ft (6.6)	*14900 (6750)	*14900 (6750)					*17050 (7700)	*17050 (7700)	*23350 (10600)	*23350 (10600)	*30600 (13850)	*30600 (13850)
-20Ft (-6.1)													

*LOAD IS LIMITED BY HYDRAULIC CAPACITY RATHER THAN TIPPING. RATINGS ARE BASED ON ISO STANDARD NO.10567
RATED LOADS DO NOT EXCEED 87% OF HYDRAULIC LIFT CAPACITY OR 75% OF TIPPING LOAD.

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● Continued on next page.

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