CEAM032002

Operation & Maintenance Manual

PC290LL-11

LOG LOADER
ROAD BUILDER
PROCESSOR

SERIAL NUMBERS PC290LL-11 A29501 and up

ENGINE 6D107E-3

March 2018

KOMATSU®

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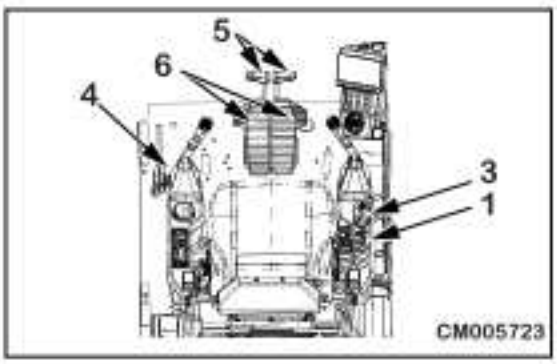
MOVING AND STEERING MACHINE

The machine travel levers and pedals control movement of the machine: forward, backward, when stopping, and steering.

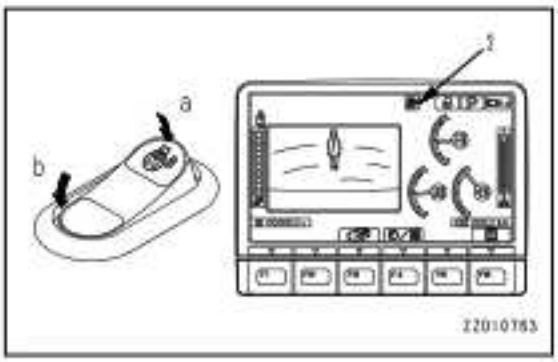
⚠ WARNING

- **Before operating the travel levers or pedals, check the direction of the track frame. If the track frame is facing the rear (sprocket facing front, underneath the cab), the machine moves in the opposite direction of the travel levers or pedals operations (Front and rear travel are reversed, left and right steering are reversed.).**
- **Check that there are no persons or obstacles in the surrounding area, then sound the horn and start the operation.**
- **Do not allow anyone to enter the area around the machine.**
- **Clear any obstacles from the travel path.**
- **There is a blind spot behind the machine, so be particularly careful when traveling in reverse.**
- **If travel levers, work equipment levers, or pedals are operated when auto deceleration is being actuated, the engine speed will suddenly increase, so be careful when operating.**
- **When traveling, check that the alarm sounds normally.**

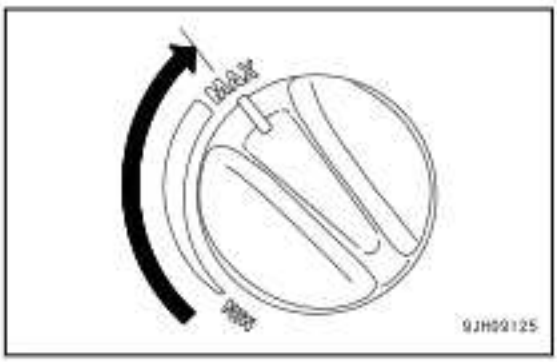
When preparing to move the machine, make sure of the following:



1. Set swing lock switch (1) to the ON (actuated) position. Check that swing lock lamp (2) lights up.
   - (a): ON
   - (b): OFF



2. Turn fuel control dial (3) towards the full speed (MAX) position to increase the engine speed.



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MAINTENANCE FOR FIRST 500 HOURS

Refer to the following list for the initial maintenance intervals on new machines.

Lubrication For First 50 Hours

Grease new machines every 10 hours for the first 50 hours. Then grease the new machine at 250 hours and 500 hours. Finally, carry out the greasing every 500 hours or every six months, whichever comes sooner.

For lubrication locations, see *Maintenance Every 100 Hours* on page 4-48.

Maintenance After First 250 Hours

Carry out the following maintenance only after the first 250 hours of operation on new machines.

- Lubrication
- Replace Fuel Pre-filter Cartridge

For details of this maintenance, see *Maintenance Every 500 Hours* on page 4-55.

Maintenance After First 500 Hours

Carry out the following maintenance only after the first 500 hours of operation on new machines.

- Replace fuel main filter cartridge

For details of this maintenance, see *Maintenance Every 1000 Hours* on page 4-68.

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SPECIFICATIONS: PC290LL-11

	Item	Unit	PC290LL-11		
			Road Builder (See Note 1)	Log Loader (See Note 2)	Processor (See Note 3)
	Operating weight	kg (lb)	37380 (82409)	39630 (87370)	37000 (81571)
	Engine		SAA6D107E-3 diesel engine		
	Rated Horsepower SAE J1995 (gross)	kW (HP)/min^{-1}(rpm)	159 (213) / 2050 (2050)		
	ISO 9249/SAE J1349		147 (197) / 2050 (2050)		
	Max digging force (power max) SAE	kgf (lbf)	17600 (39463)		
	Max digging force (power max) ISO	kgf (lbf)	19800 (44533)		
	Swing speed	rpm	9.4		
	Swing max slope angle	deg	--		
	Travel speed Lo/M/Hi	km/h	2.5/3.6/4.8		
	Gradeability	deg	--		
	Ground pressure	kg/cm^2 (psi)	0.61 (8.7)	0.67 (9.5)	0.65 (9.2) w/ Head
					0.61 (8.7) w/o Head
	Bucket capacity (SAE heaped)	m^3 (cu yd)	1.63 (2.13)	--	--
	Min. swing radius of work equipment	mm (ft, in)	3014 (9' 11")		
	Height of work equipment at Min. swing radius	mm (ft, in)	0 (0' 0")	14138 (46' 5")	0 (0' 0")
A	Overall length	mm (ft, in)	10220 (33' 7")	14763 (48' 6")	12745 (41' 10")
B	Length on ground (transport)	mm (ft, in)	5651 (18' 0")	14324 (47' 0")	5257 (17' 3")
C	Overall height (to top of boom)	mm (ft, in)	3342 (11' 0")	2889 (9' 6")	3266 (10' 9")
D	Overall width (high and wide) track frame (without removable step)	mm (ft, in)	3532 (11' 7")		
	Overall width (high and narrow) track frame	mm (ft, in)	0 (0' 0")		
E	Overall height (to top of cab)	mm (ft, in)	3948 (12' 11")	5005 (16' 5")	3948 (13' 0")
E[1]	Overall height for transport (Grouser height included)	mm (ft, in)	3998 (13' 2")	3452 (11' 4")	3998 (13' 2")
	Light guard removed (Grouser height included)	mm (ft, in)	3907 (12' 10")	0 (0' 0")	3907 (12' 10")
F	Ground clearance (Revo Frame)	mm (ft, in)	1365 (4' 6")		

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