Operation & Maintenance Manual

TEN00096-01

[redacted]

GALEO PC160LC-7

HYDRAULIC EXCAVATOR

SERIAL NUMBERS 11001 and up

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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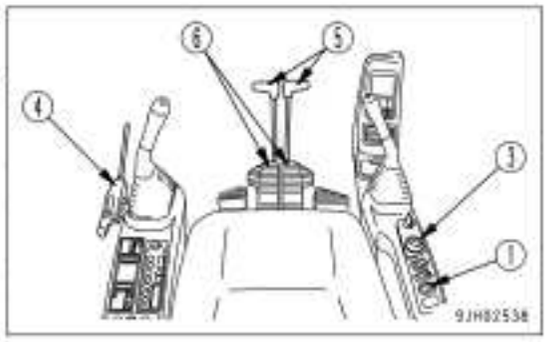
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MACHINE OPERATION

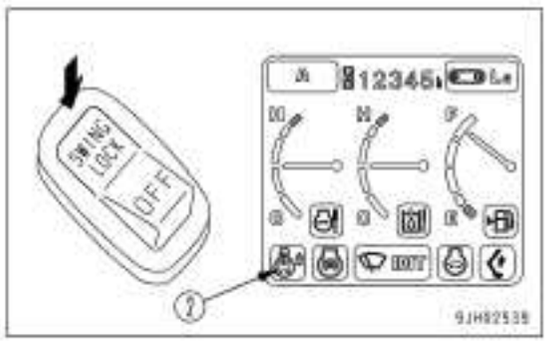
Preparations for Moving the Machine

⚠ WARNING

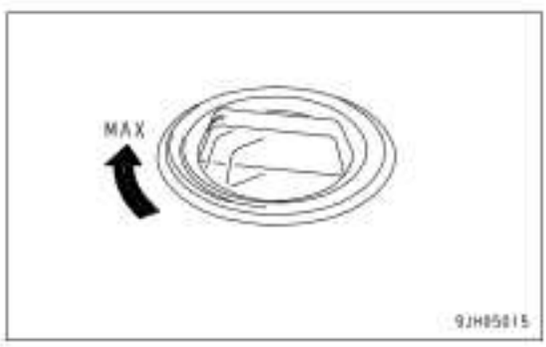
- Before operating the control lever, check the direction of the track frame. If the track frame is facing the rear (if the sprocket is at the front), the machine moves in the opposite direction from the operation of the travel lever (front and rear travel is reversed, left and right steering is reversed).
- Before starting the machine off, check that the area around the machine is safe, and sound the horn.
- Do not allow anyone to enter the area around the machine.
- Clear any obstacles from the travel path.
- There is a blind spot at the rear of the machine, so be particularly careful when traveling in reverse.
- If the control lever is operated when the auto deceleration is being actuated, the engine speed will suddenly rise, so be careful when operating.
- Before starting the machine off, check that the alarm sounds normally.



1. Set swing lock switch (1) to the ON (actuated) position and confirm that swing lock monitor lamp (2) lights up.



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



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MAINTENANCE PROCEDURE

INITIAL 250 HOURS MAINTENANCE (ONLY AFTER THE FIRST 250 HOURS)

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

- Replace fuel filter cartridge

Special tools are needed for the inspection and maintenance, so please contact your Komatsu distributor to have this work carried out.

For details of the method of replacing or maintaining, see the section on EVERY 500 HOURS SERVICE.

INITIAL 1000 HOURS MAINTENANCE (ONLY AFTER THE FIRST 1000 HOURS)

Carry out the following maintenance only after the first 1000 hours of operation on new machines.

- Check engine valve clearance, adjust

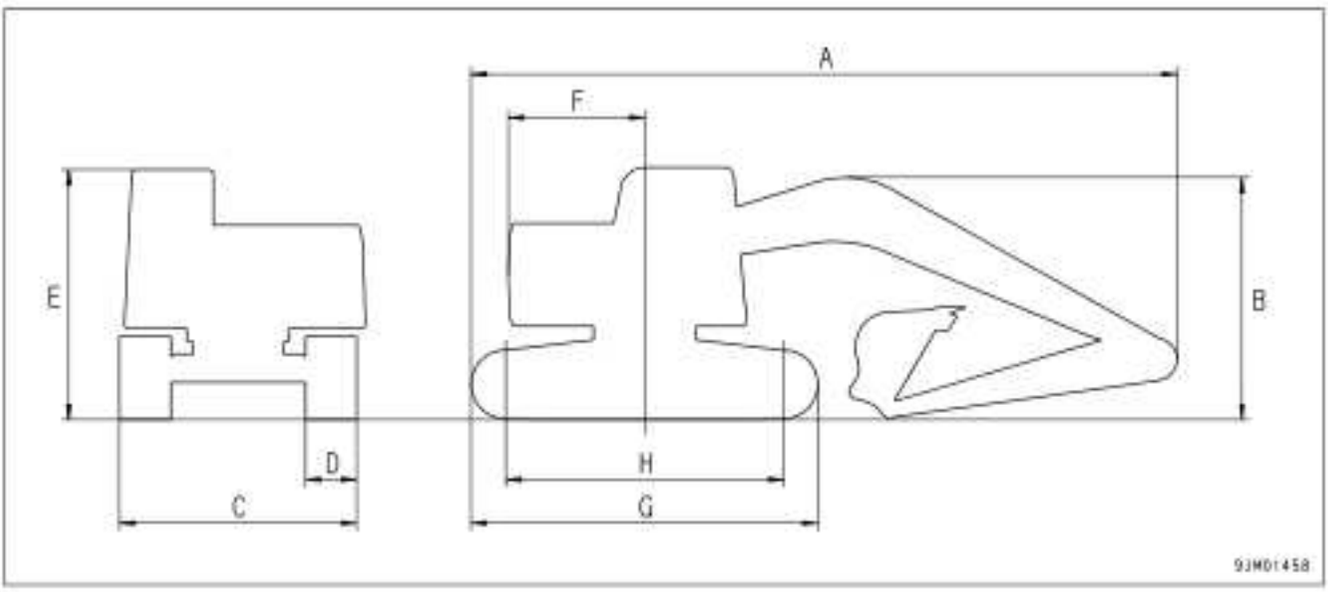
  Special tools are needed for inspection and maintenance, so contact your Komatsu distributor.

For details of the method of replacing or maintaining, see the section on EVERY 2000 HOURS SERVICE.

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SPECIFICATIONS

	Item	Unit	PC160LC-7
	Operating weight	kg (lb)	16,400 (36,162)
	Bucket capacity	m^3 (cu.yd)	0.6 (0.78)
	Name of engine	-	KOMATSU SAA4D102E diesel engine
	Engine horsepower	kW (HP)/rpm	82.40 (110)/2,200
A	Overall length	mm (ft in)	8,525 (27' 12")
B	Overall height	mm (ft in)	3,027 (9' 11")
C	Overall width	mm (ft in)	2,490 (8' 2")
D	Track width	mm (ft in)	500 (1' 8")
E	Height of cab	mm (ft in)	3,000 (9' 10")
F	Radius of upper structure	mm (ft in)	2,436 (7' 12")
G	Length of track	mm (ft in)	3,980 (13' 1")
H	Tumbler center distance	mm (ft in)	3,170 (10' 5")
	Min. ground clearance	mm (ft in)	440 (1' 5")
	Travel speed (Low/High)	km/h (MPH)	3.4/5.5 (2.1/5.5)
	Swing speed	rpm	12.0



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