TEN00189-07

Operation & Maintenance Manual

HYDRAULIC EXCAVATOR

PC138US -8
PC138USLC -8

SERIAL NUMBERS PC138US- 20001 and up
PC138USLC- 20001

ecot3

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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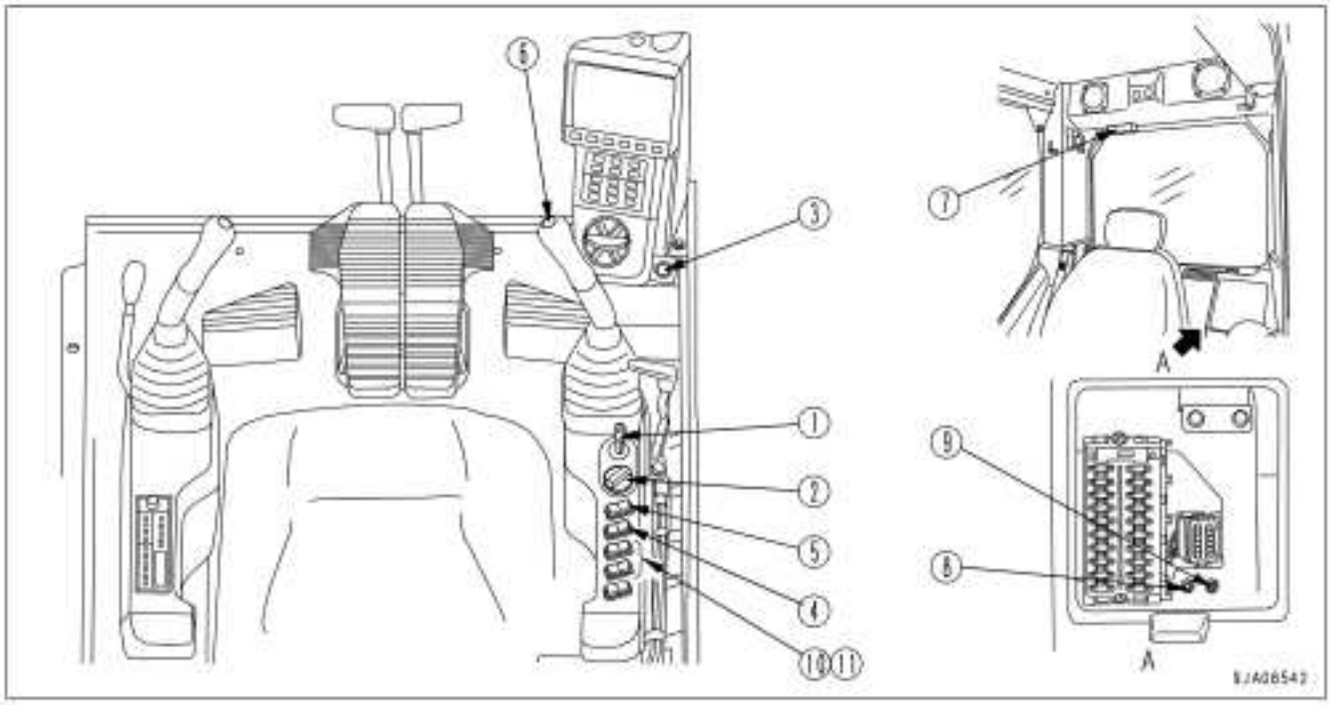
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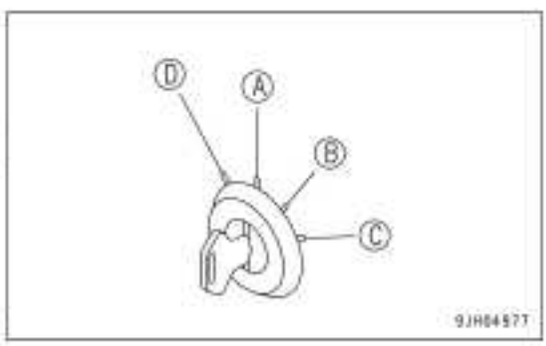
SWITCHES



(1) Starting switch
(2) Fuel control dial
(3) Cigarette lighter
(4) Swing lock switch
(5) Lamp switch
(6) Horn switch
(7) Room lamp switch
(8) Emergency pump drive switch
(9) Swing parking brake release switch
(10) Revolving warning lamp switch (if equipped)
(11) Roof glass wiper switch (if equipped)

Starting Switch

Starting switch (1) is used to start or stop the engine.



(A): OFF position
The key can be inserted or withdrawn. Switches for the electrical system (except room lamp), are all turned off and the engine is stopped.

(B): ON position
Electric current flows through the charging and lamp circuits. Keep starting switch key in the ON position while the engine is running.

(C): START position
This is the engine-start position. Keep the key at this position during cranking. Immediately after starting the engine, release the key. It will automatically return to the ON position (B).

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EVERY 1000 HOURS MAINTENANCE

Carry out the periodic maintenance work of every 100, 250 and 500 hours of operation at the same time.

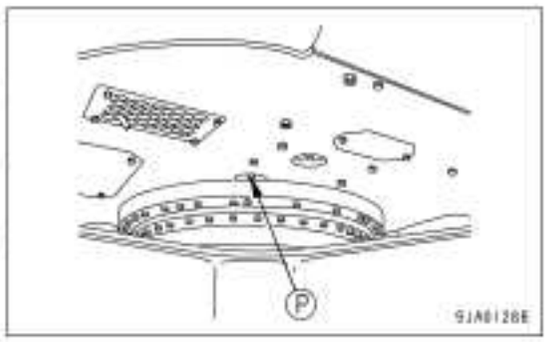
CHANGE OIL IN SWING MACHINERY CASE

⚠ WARNING

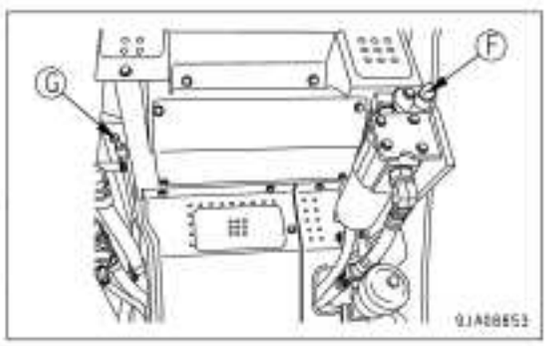
The parts and oil are at high temperature after the engine is stopped, and may cause serious burns. Wait for the temperature to go down before starting the operation.

- Refill capacity: 2.5 liters (0.66 US gal)

1. Swing the upper structure so that drain plug (P) is between the left and right tracks.
2. Set an oil container under drain valve (P) at the bottom of the machine.
3. Remove drain plug (P) at the bottom of the machine, drain the oil, then tighten the drain plug again.
   Tightening torque for drain plug: 44.1 to 93.1 Nm (4.5 to 9.5 kgm, 32.5 to 68.7 lbft)



4. Remove dipstick (G) and the cap of oil filler (F), then add the specified amount of oil from oil filler (F).
5. Wipe off the oil on the dipstick with a cloth.
6. Fully insert dipstick (G) into filler pipe, then remove it.
7. The oil level should be between the H and L marks on oil level gauge (G). If the oil level is below the L mark, add oil through oil filler port (F).
8. If the oil is above the H mark, drain the excess oil from drain plug (P), then check the oil level again.

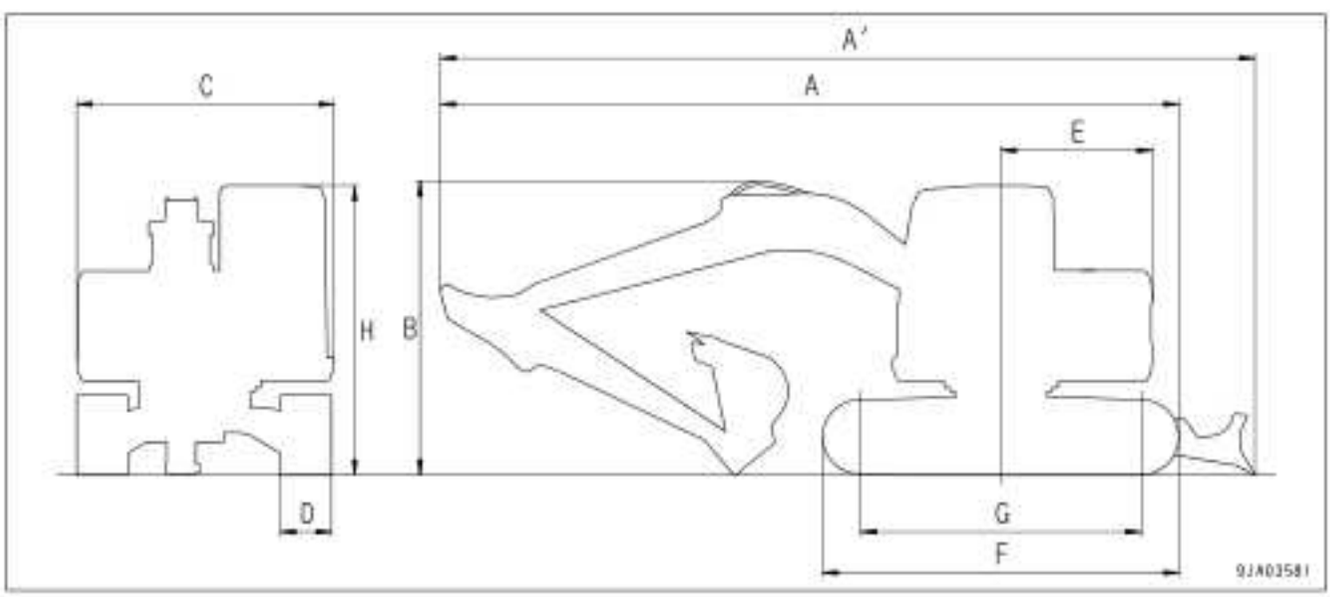


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SPECIFICATIONS

PC138US-8

	Item	Unit	Standard specification	Blade specification
	Machine weight	kg (lb)	13,400 (29,547)	14,050 (30,980)
	Bucket capacity	m^3 (cu.yd)	0.50 (0.65)	
	Name of engine	-	Komatsu SAA4D95LE-5 diesel engine	
	Engine horsepower	kW (HP)/rpm	68.4 (91.7)/2,200	
A	Overall length (Standard specification)	mm (ft in)	7,260 (23' 10")	-
A'	Overall length (Blade specification)	mm (ft in)	-	7,970 (26' 2")
B	Overall height	mm (ft in)	2,850 (9' 4")	
C	Overall width	mm (ft in)	2,490 (8' 2")	
D	Track width	mm (ft in)	500 (1' 8")	
E	Tail swing radius	mm (ft in)	1,480 (4' 10")	
F	Length of track	mm (ft in)	3,610 (11' 10")	
G	Tumbler canter distance	mm (ft in)	2,880 (9' 5")	
H	Cab height	mm (ft in)	2,815 (9' 3")	
	Min. ground clearance	mm (ft in)	395 (1' 4")	
	Travel speed (Low/High)	km/h (MPH)	2.9/5.1 (1.8/3.2)	
	Continuous swing speed	rpm	11.0	



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