Operation & Maintenance Manual

TEN00038-03

GALEO

PC400,400LC-7
PC450,450LC-7

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC400,400LC-50288 and up
PC450,450LC-20235

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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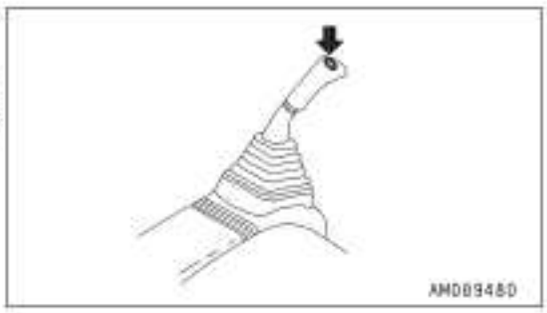
Horn Switch

When the switch (8) at the tip of the right work equipment control lever is pressed, the horn will sound.



One-Touch Power Max. Switch

This switch (9) on the left work equipment control lever is used to actuate the power max and slow down functions.
Press once (single click) and keep the switch pressed. The one-touch power max. function is actuated for a maximum of 8.5 seconds at A and E mode.

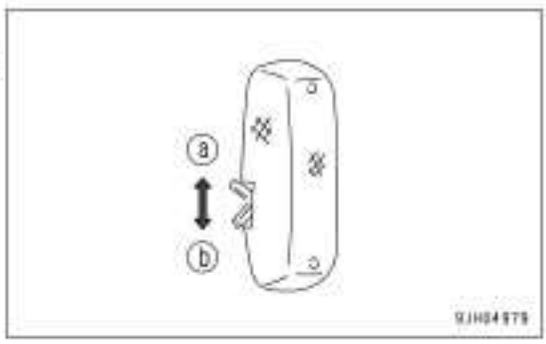


Room Lamp Switch

NOTICE

It is possible to turn on the interior cab room lamp even when starting switch is in the OFF position, do not forget to turn it off.

This switch (10) is used to light up the room lamp.
(a) ON position: Lights up
(b) OFF position: Goes out
It will also light up even when the starting switch is off.



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		Engine oil pan	Swing machinery case	Final drive case (Each)	Damper case	Hydraulic oil system	Cooling system	Fuel tank
Specified capacity	Liter	42	20	12	1.07	472	36	650
	US gal	11.10	5.28	3.17	0.28	124.70	9.51	171.73
Refill capacity	Liter	38	20	12	1.07	248	36	-
	US gal	10.04	5.28	3.17	0.28	65.2	9.51	-

REMARK

- When fuel sulphur content is less than 0.5%, change oil in the oil pan according to the periodic maintenance hours described in this manual.
  Change oil according to the following table if fuel sulfur content is above 0.5%.

- When starting the engine with an atmospheric temperature of lower than 0°C (32°F), be sure to use engine oil of SAE10W, SAE10W-30 and SAE15W-40, even though the atmospheric temperature goes up to 10°C (50° F) more or less during the day.

- Use API classification CD as engine oil and if API classification CC, reduce the engine oil change interval to half.

- There is no problem if single grade oil is mixed with multigrade oil (SAE10W-30, 15W-40), but be sure to add single grade oil that matches the temperature range in the table.

- We recommend Komatsu genuine oil which has been specifically formulated and approved for use in engine and hydraulic work equipment applications.

Specified capacity: Total amount of oil including oil for components and oil in piping.

Refill capacity: Amount of oil needed to refill system during normal inspection and maintenance.

ASTM: American Society of Testing and Material
SAE: Society of Automotive Engineers
API: American Petroleum Institute

Fuel sulfur content	Engine oil change interval
0.5 to 1.0%	1/2 of regular interval
Above 1.0%	1/4 of regular interval

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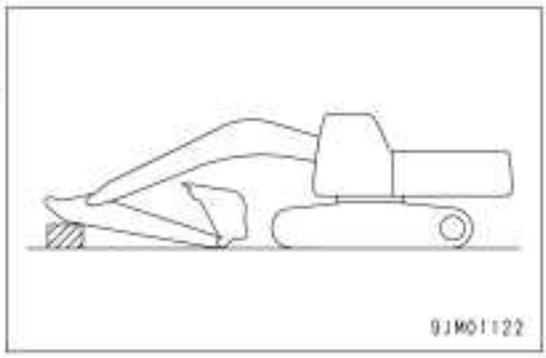
EVERY 50 HOURS MAINTENANCE

LUBRICATING

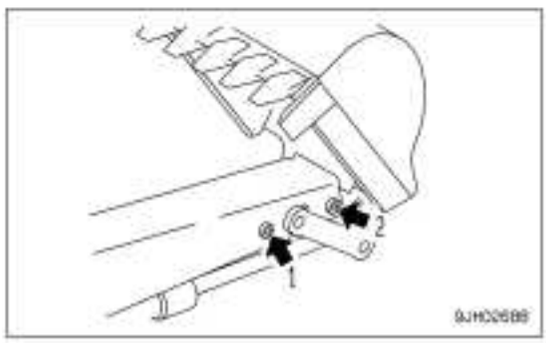
NOTICE

- **If any abnormal noise is generated from any greasing point, carry out greasing regardless of the greasing interval.**
- **Carry out greasing every 10 hours for the first 50 hours on a new machine.**
- **After the machine was subjected to jobs in the water, be sure to grease the wet pins.**

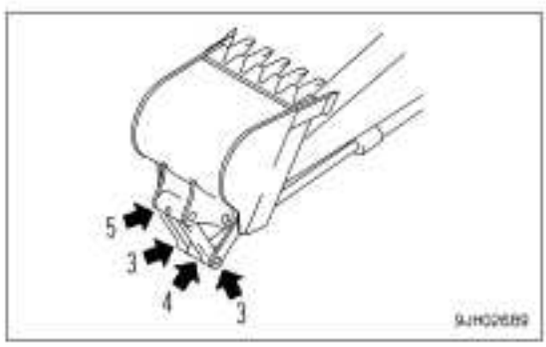
1. Set the machine to the greasing posture shown on the right, lower the work equipment to the ground, then stop the engine.
2. Using a grease pump, pump in grease through the grease fittings shown by arrows.
3. After greasing, wipe off any old grease that was pushed out.



(1) Arm-Link coupling pin (1 place)
(2) Arm-Bucket coupling pin (1 place)



(3) Link coupling pin (2 places)
(4) Bucket cylinder rod pin (1 place)
(5) Bucket-Link coupling pin (1 place)



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