WEAM003102

Operation & Maintenance Manual

KOMATSU®

PC27R-8

DELUXE

HYDRAULIC EXCAVATOR

SERIAL NUMBERS **PC27R-8 F31103** and up

April 2002

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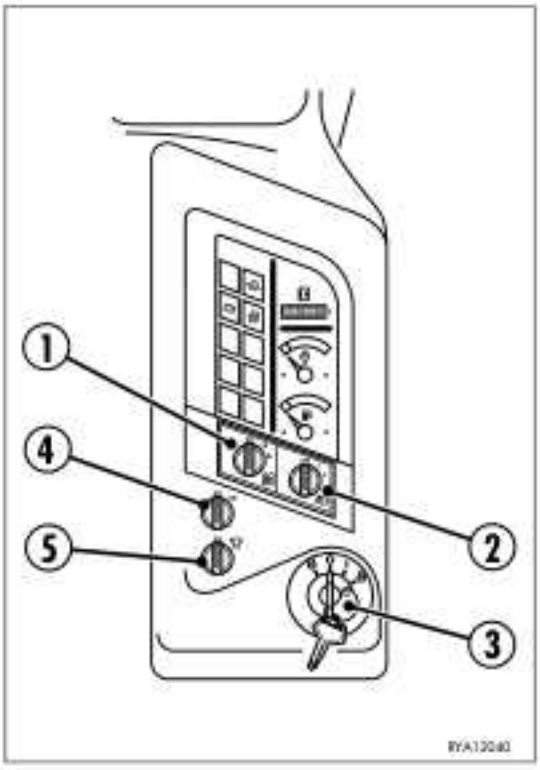
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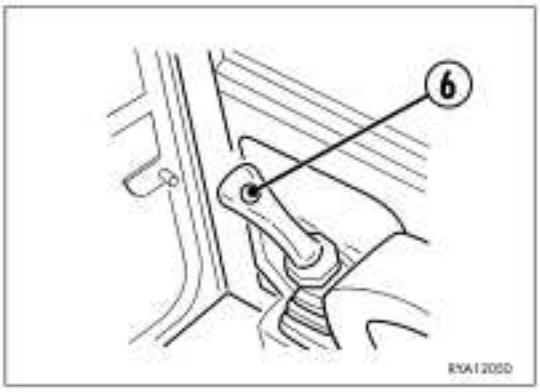
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3.3.3 SWITCHES AND PUSH BUTTONS

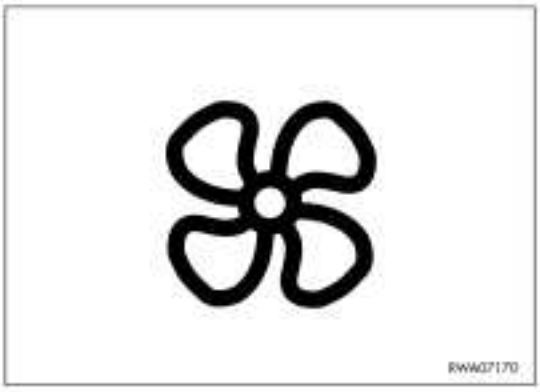
1 - Fan switch
(with cab only)
2 - Working light and instrument light switch
3 - Ignition switch
4 - Boom overload alarm switch
(if installed)
5 - Revolving light switch
(if installed)
6 - Horn





1 - FAN SWITCH (with cab only)

This is a two-speed switch that operates the fan motor. If operated after the opening of the tap installed in the engine compartment, it ensures the circulation of warm air and serves as heating switch. (See "3.5.5 VENTILATION AND HEATING").



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4.7.5 MAINTENANCE EVERY 100 HOURS OF OPERATION

4.7.5.a LUBRICATING THE JOINTS AND THE BALL-BEARING RING

IMPORTANT

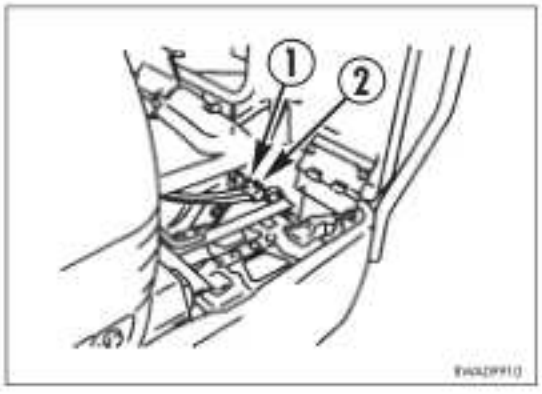
- **Clean the grease nozzles before applying the greasing pump.**
- **After lubrication, remove any excess grease.**
- **If the machine is used in difficult conditions, perform this maintenance operation more frequently.**

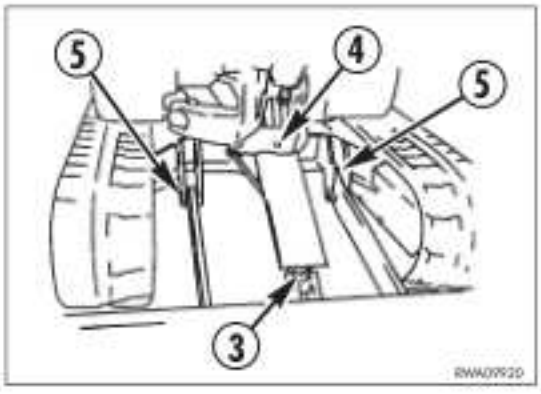
These maintenace operations must be carried out with the equipment completely extended and resting on the ground. For the lubrication, use a syringe and the prescribed grease.
(See "4.3 FUEL, COOLANT AND LUBRICANTS").

IMPORTANT

- **As a general rule, it is important to consider that each cylinder is provided with two greasers positioned on the coupling eyelets and that each pin serving as fulcrum for a movement is provided with at least one greaser.**
- **When injecting grease to lubricate the rotation pinion and the ball-bearing ring, rotate the upper structure slowly and grease every 90°.**

BALL-BEARING RING AND BLADE LUBRICATION POINTS





1 - Ball-bearing ring	(1 point)
2 - Ball-bearing ring pinion	(1 point)
3 - Blade cylinder base pin	(1 point)
4 - Blade cylinder head pin	(1 point)
5 - Blade fulcrum pin	(2 points)

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6.1.3 CHARACTERISTICS OF THE OPTIONAL EQUIPMENT

(Specific weight of the handled material = 1.8 t/cu.m.)

EQUIPMENT	MAX. WEIGHT kg (lb)	MAX. DIMENSIONS		MAX. SAE CAPACITY cu. m (cu. yd.)	MAX. OPERATING PRESSURE bar (psi)	MAX. FLOW RATE l/min. (gpm)
		Width mm (inch)	Height mm (inch)			
Bucket	70 (154)	550 (21.6)	— (—)	0.085 (0.11)	— (—)	— (—)
Ditch-cleaning bucket	40 (88)	1300 (51.1)	— (—)	0.050 (0.06)	— (—)	— (—)
Ditch-digging bucket	55 (121)	950 (37.4)	— (—)	0.075 (0.09)	— (—)	— (—)
Clamshell bucket	100 (220)	410 (16.1)	1000 (39.3)	0.040 (0.05)	210 (3045)	24 (6.3)
Hydraulic hammer	150 (330)	— (—)	950 (37.4)	— (—)	140 (2030)	30 (7.9)
Drill	125 (275)	300 ✻ (11.8)	2000 ● (78.7)	— (—)	210 (3045)	30 (7.9)

✻ Measure referred to the tool diameter

● Measure referred to the tool length

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