WEAM003202

Operation & Maintenance Manual

KOMATSU®

PC35R-8

PC45R-8

DELUXE

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC35R-8 F20932 and up
PC45R-8 F21251 and up

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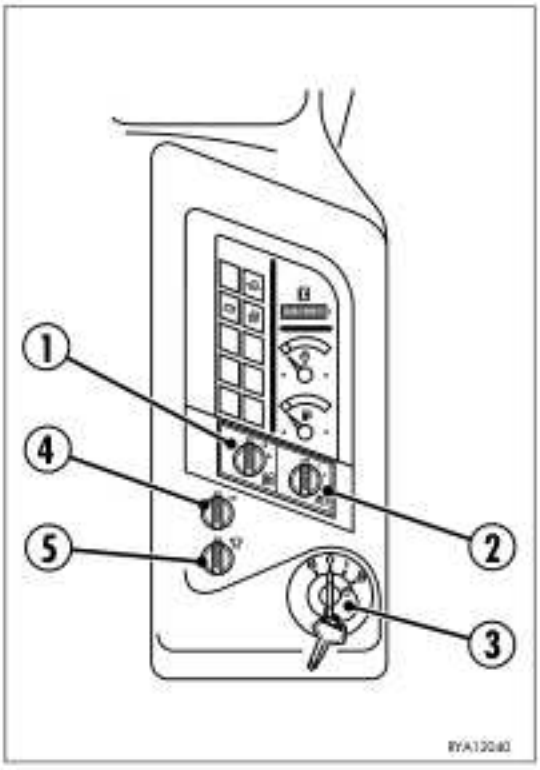
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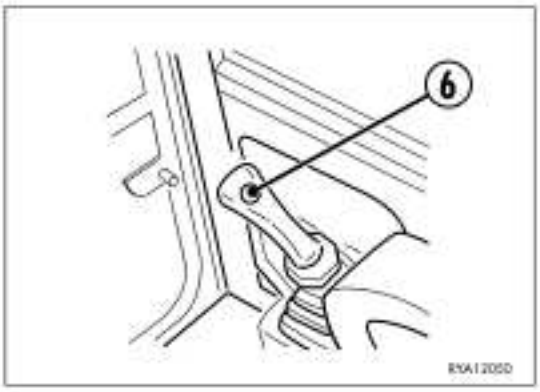
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3.3.3 SWITCHES AND PUSH BUTTONS

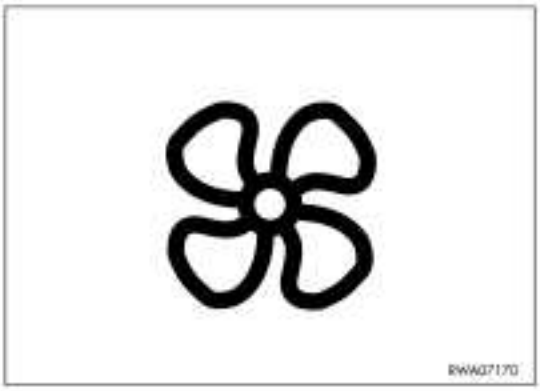
1 - Fan switch
(with cab only)
2 - Working light and instrument light switch
3 - Ignition switch
4 - Boom overload alarm switch
(if installed)
5 - Revolving light switch
(if installed)
6 - Horn





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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4.7.6 MAINTENANCE AFTER THE FIRST 250 HOURS OF OPERATION

These maintenance operations must be carried out after the first 250 hours of operation, together with those to be carried out "EVERY 250 HOURS".

- CHANGE THE OIL IN THE TRAVEL REDUCTION GEARS
- CHECK AND ADJUST THE ENGINE VALVE CLEARANCE

For further details on the various maintenance operations, see the sections "4.7.10 MAINTENANCE EVERY 1000 HOURS OF OPERATION" and "4.7.11 MAINTENANCE EVERY 2000 HOURS OF OPERATION".

For the inspection and adjustment, contact your Komatsu Dealer.

4.7.7 MAINTENANCE EVERY 250 HOURS OF OPERATION

4.7.7.a ADJUSTING THE FAN BELT TENSION

To reach the fan belt, remove the inspection cover (1) (use a 17 mm spanner) and open the engine hood (see "3.5.1 ENGINE HOOD").
The check is manual: press the belt with your thumb on the indicated point with a force equal to approx. 60 N (13.5 lb); the resulting deflection must be approximately 10-15 mm (0.4 to 0.6 in).
If the deflection exceeds this value, loosen the screw (2) and the nut (3) that fasten the alternator (4) and, with a lever inserted between the motor block and frame, make the alternator slide.
Lock the screw and the nut and check again.
Use 12 mm and 13 mm spanners.

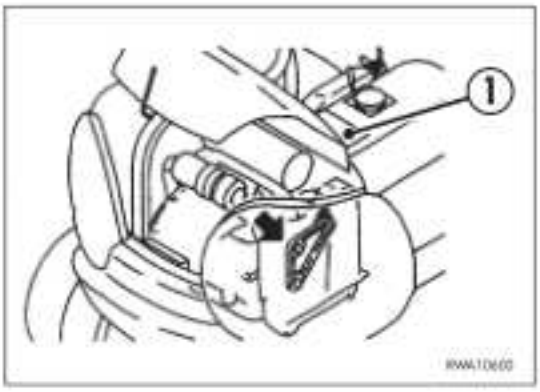
A - Fan pulley

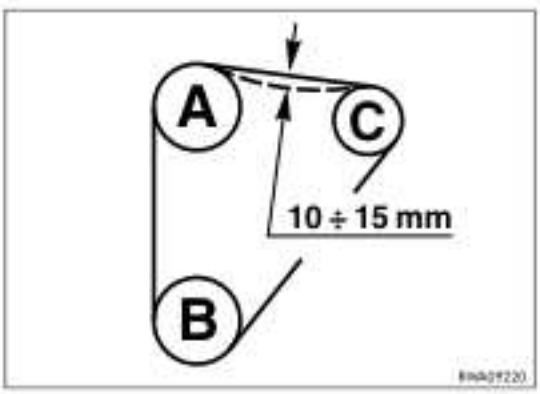
B - Driving shaft pulley

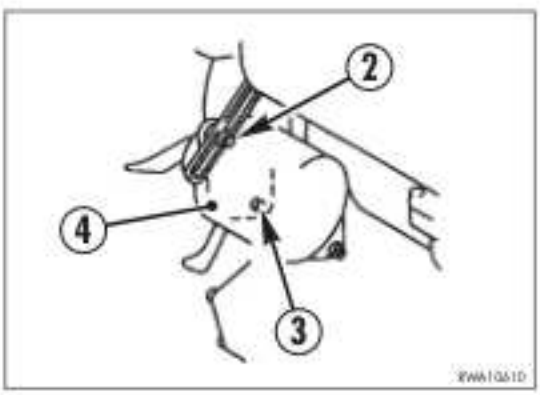
C - Alternator pulley

IMPORTANT

- **If the belt is worn, change it and check the tension again after a few hours of operation.**







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6.1.3 CHARACTERISTICS OF THE OPTIONAL EQUIPMENT

(FOR MODEL PC35R ONLY)

(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	90 (198)	750 (29.5)	— (—)	0.120 (0.15)	— (—)	— (—)
Ditch-cleaning bucket	50 (110)	1400 (55.1)	— (—)	0.075 (0.09)	— (—)	— (—)
Ditch-digging bucket	80 (176)	1000 (39.3)	— (—)	0.100 (0.13)	— (—)	— (—)
Clamshell bucket	150 (330)	500 (19.6)	1200 (47.2)	0.050 (0.06)	210 (3045)	35 (507)
Hydraulic hammer	200 (441)	— (—)	1000 (39.3)	— (—)	140 (2030)	50 (725)
Drill	130 (286)	300✻ (11.8)	2200● (86.6)	— (—)	210 (3045)	60 (870)

✻ Measure referred to the tool diameter

● Measure referred to the tool length

(FOR MODEL PC45R ONLY)

(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	110 (242)	800 (31.5)	— (—)	0.175 (0.22)	— (—)	— (—)
Ditch-cleaning bucket	60 (132)	1500 (59)	— (—)	0.100 (0.13)	— (—)	— (—)
Ditch-digging bucket	100 (220)	1000 (39.3)	— (—)	0.125 (0.16)	— (—)	— (—)
Clamshell bucket	200 (441)	600 (23.6)	1300 (51.1)	0.060 (0.07)	210 (3045)	40 (580)
Hydraulic hammer	200 (441)	— (—)	1000 (39.3)	— (—)	140 (2030)	70 (1015)
Drill	200 (441)	350 ✻ (13.7)	2200 ● (86.6)	— (—)	210 (3045)	60 (870)

✻ Measure referred to the tool diameter

● Measure referred to the tool length

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