WEAM000402

Operation & Maintenance Manual

PC110R-1

HYDRAULIC EXCAVATOR

SERIAL NUMBER

PC110R-1 2265010001 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.

KOMATSU Utility

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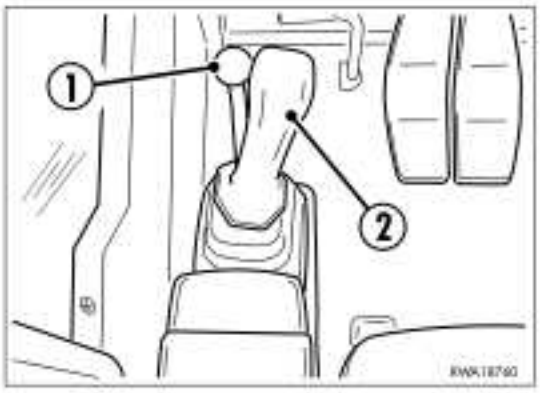
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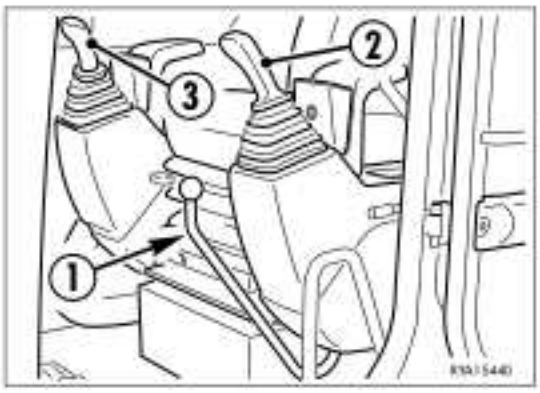
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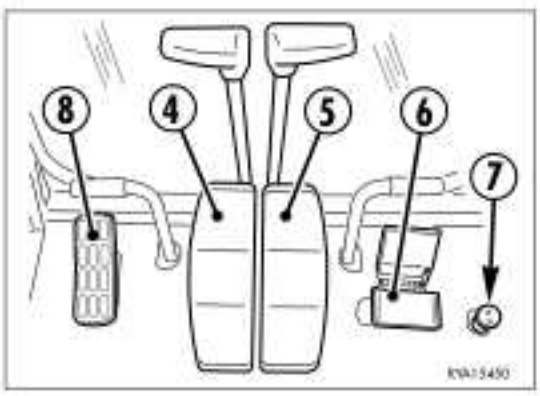
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3.2.3 CAB INSIDE GENERAL VIEW

1 - Safety lever
2 - Arm - rotation control
3 - Lifting - bucket control
4 - Left track control pedal
5 - Right track control pedal
6 - Boom swing control pedal
7 - Hydraulic hammer control
8 - Optional equipment control pedal







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4.7.8 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".

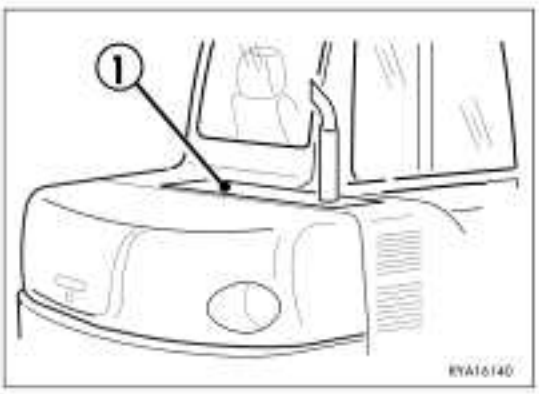
- CHANGE THE OIL IN THE TRAVEL REDUCTION GEARS
- CHANGE THE OIL IN THE SWING REDUCTION GEAR
- CHANGE THE HYDRAULIC OIL DRAIN FILTER
- CHECK AND ADJUST THE ENGINE VALVE CLEARANCE

For details on the various maintenance operations, see the sections "4.7.11 MAINTENANCE EVERY 500 HOURS" and "4.7.13 MAINTENANCE EVERY 2000 HOURS".
For the inspection and adjustment, contact your Komatsu Utility Dealer.

4.7.9 MAINTENANCE EVERY 250 HOURS OF OPERATION

4.7.9.a ADJUSTING THE FAN BELT TENSION

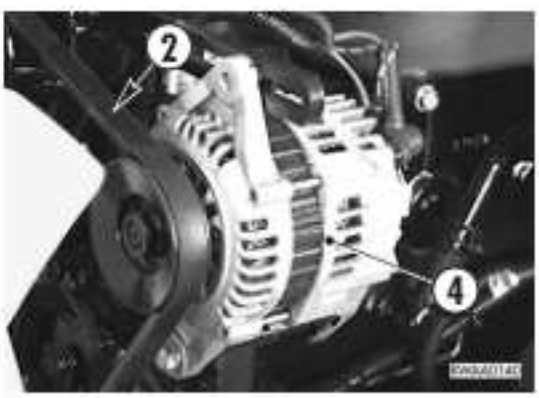
The fan belt can be reached from the upper side of the fixed cover, after removing the panel (1).
Use 13 and 17 mm spanners.
The check is manual: press the belt (2) with your thumb on the indicated point with a force equal to approx. 10 kg; the resulting deflection must be approximately 10-15 mm.
If the deflection exceeds this value, loosen the screw (3) that fastens the alternator (4) and, with a lever inserted between the engine block and casing, make the alternator slide.
Lock the screw (3) and check again.
Use a 12 mm spanner.



A - Fan pulley

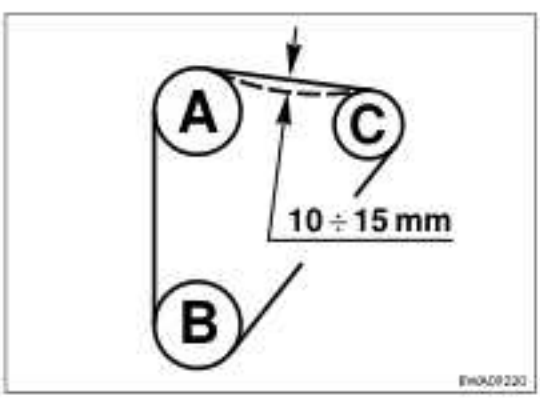
B - Driving shaft pulley

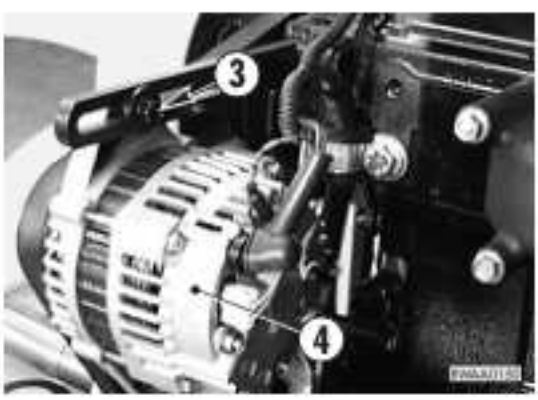
C - Alternator pulley



IMPORTANT

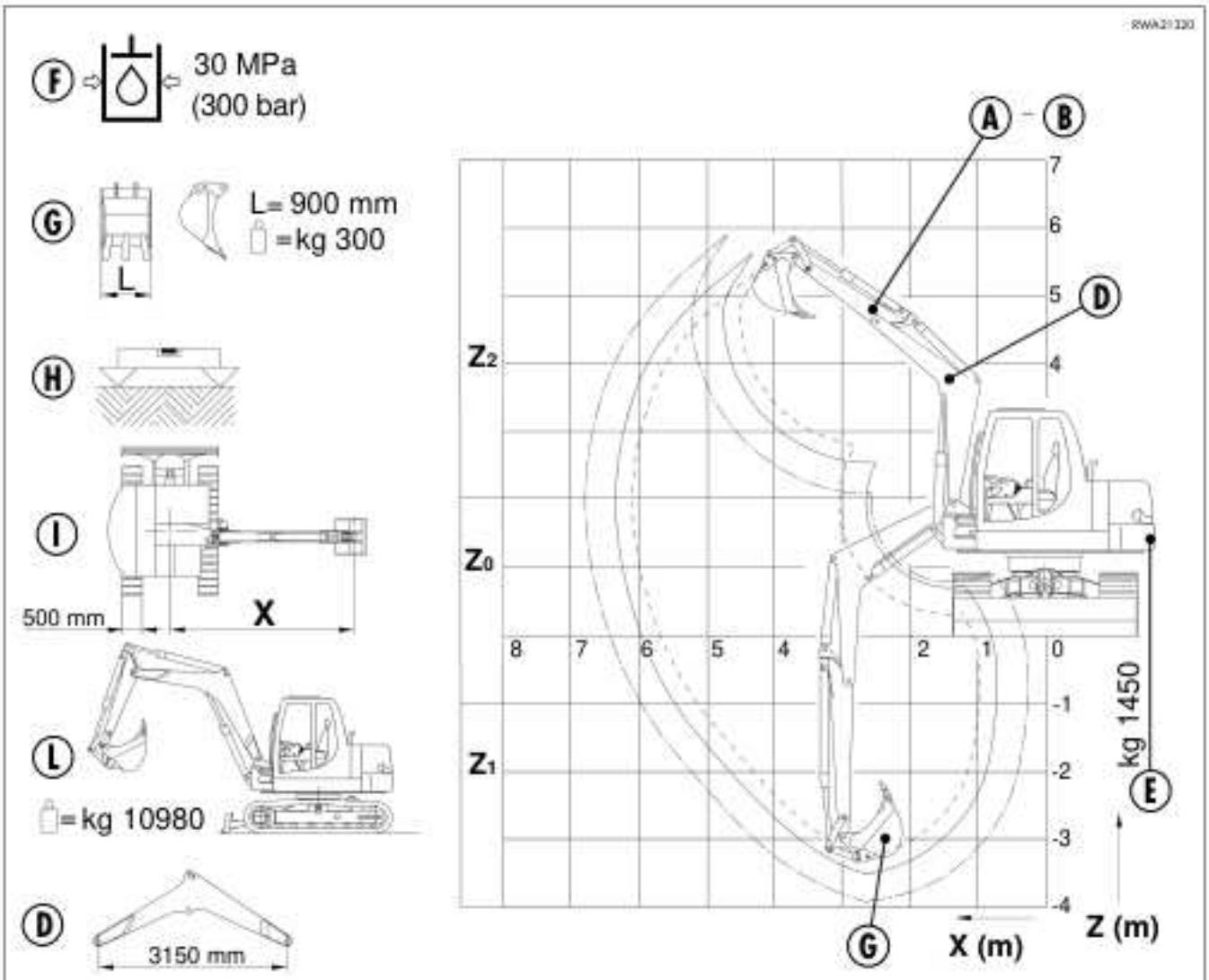
- **If the belt is worn, change it and check the tension again after a few hours of operation.**





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5.1.3.2 LIFTING CAPACITY WITH MONOBOOM



		P				P			
	X	MAX	6 m	4,5 m	3 m	MAX	6 m	4,5 m	3 m
		P(kg)	P(kg)	P(kg)	P(kg)	P(kg)	P(kg)	P(kg)	P(kg)
A (1850 mm)	Z2	1150	—	2300	3800	1150	—	2300	3800
	Z0	1100	1250	2100	3600	1100	1250	2100	3600
	Z1	1050	—	2200	3700	1050	—	2200	3700
B (2000 mm)	Z2	900	1000	2000	3500	900	1000	2000	3500
	Z0	800	900	1800	3800	800	900	1800	3800
	Z1	900	—	1850	3750	900	—	1850	3750
C (2300 mm)	Z2	800	900	1800	3300	800	900	1800	3300
	Z0	700	850	1650	3600	700	850	1650	3600
	Z1	800	900	1700	3500	800	900	1700	3500

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