WEAM003100

Operation & Maintenance Manual

PC27R-8

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC27R-8 - F30671 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.

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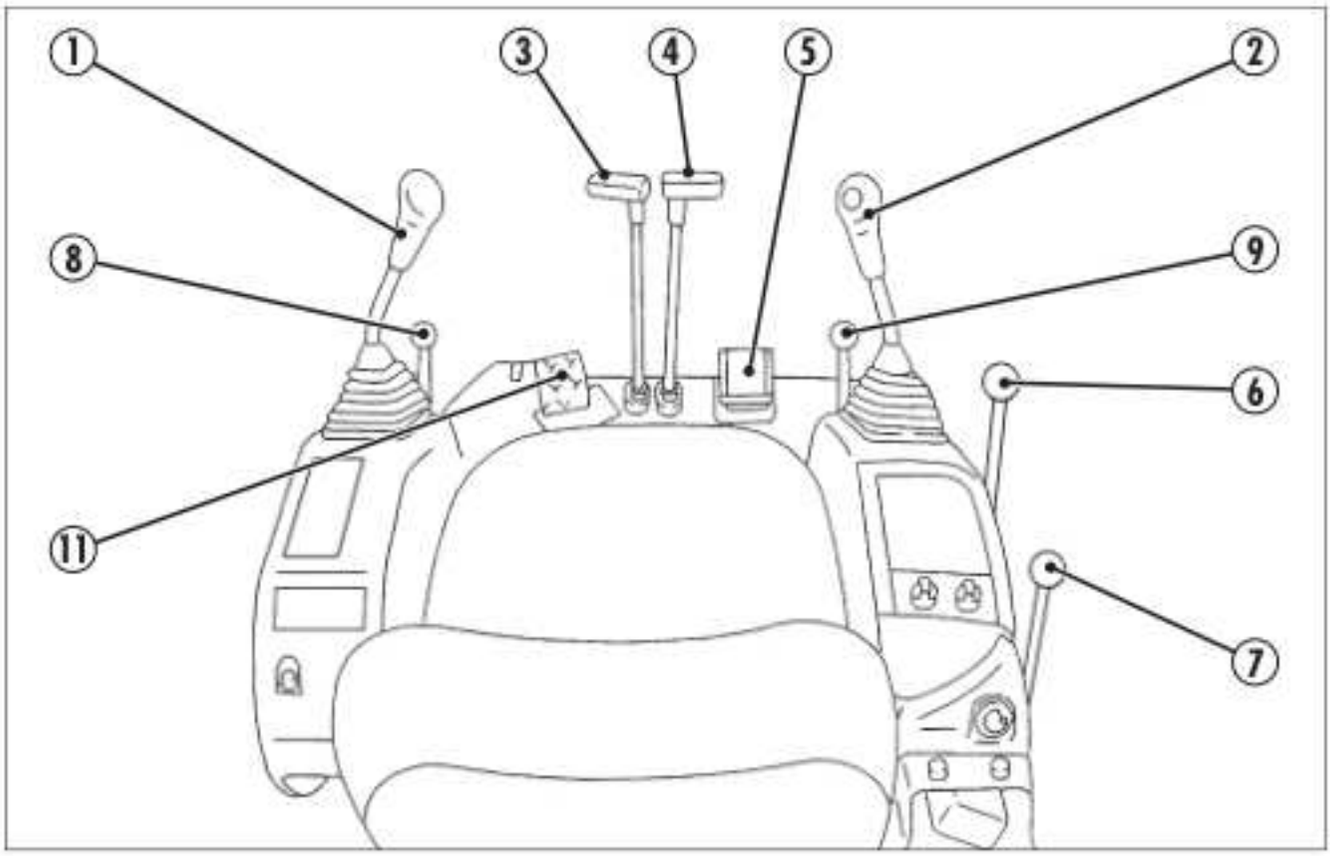
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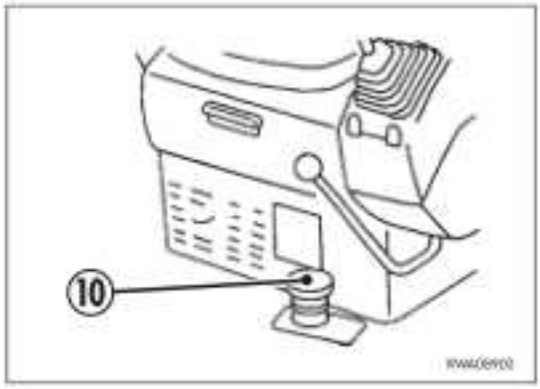
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3.3.2 MACHINE CONTROLS



1 - Left equipment control lever
2 - Right equipment control lever
3 - Left travel and steering control lever
4 - Right travel and steering control lever
5 - Boom swing control pedal
6 - Blade control lever
7 - Accelerator lever
8 - Left safety device control lever
9 - Right safety device control lever (only on machines with canopy)
10 - Speed increase push button
11 - Optional equipment control pedal
12 - Upper structure rotation locking lever





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4.7.5 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 "4.7.8 MAINTENANCE EVERY 1000 HOURS OF OPERATION" and "4.7.9 MAINTENANCE EVERY 2000 HOURS OF OPERATION".

For the inspection and adjustment, contact your Komatsu Dealer.

4.7.6 MAINTENANCE EVERY 250 HOURS OF OPERATION

4.7.6.a ADJUSTING THE FAN BELT TENSION

The fan belt can be reached by opening 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. 60N (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 nuts (1) and (2) that fasten the alternator (3) and, with a lever inserted between the motor block and frame, make the alternator slide.
Lock the nuts and check again.
Use a 13 mm spanner.

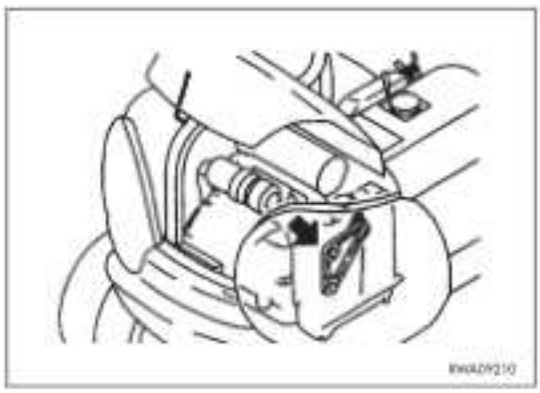
A - Fan pulley

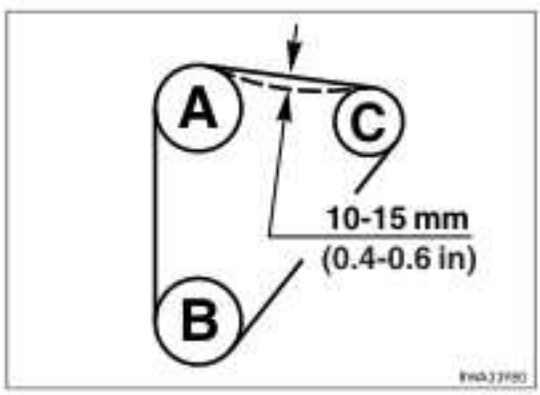
B - Driving shaft pulley

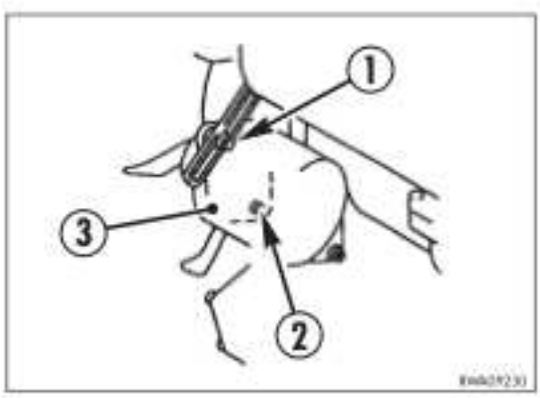
C - Alternator pulley

IMPORTANT

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





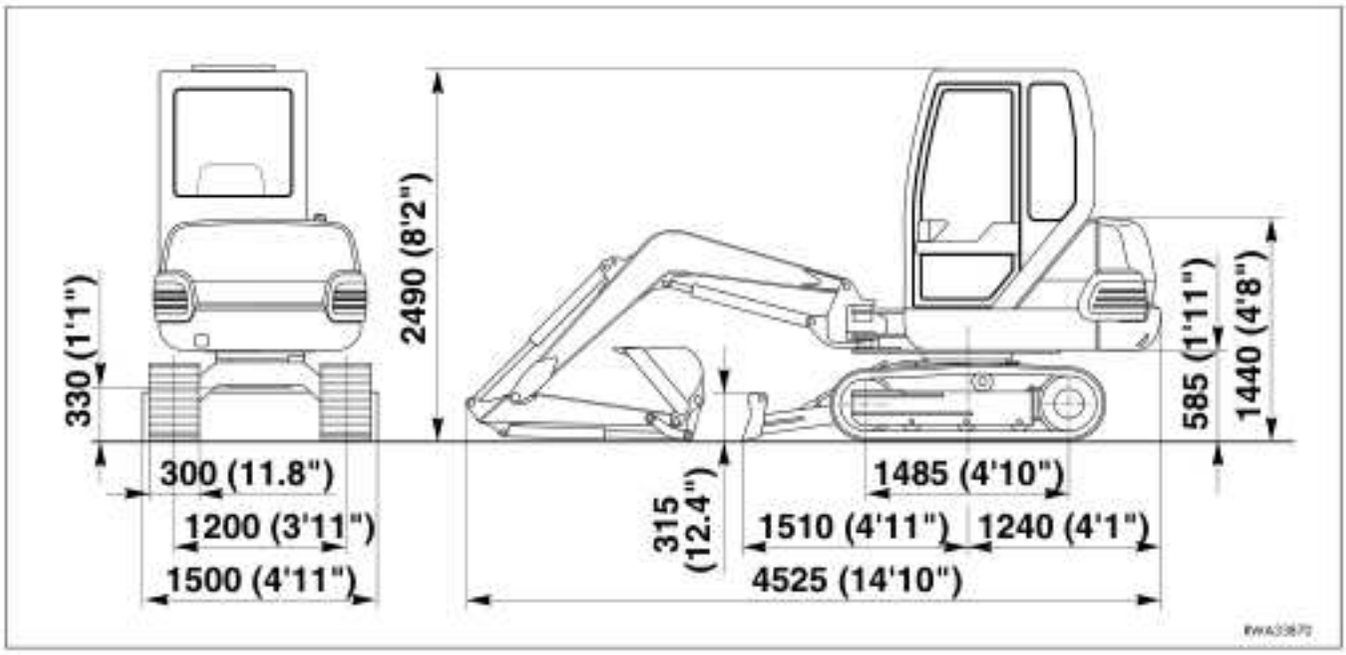


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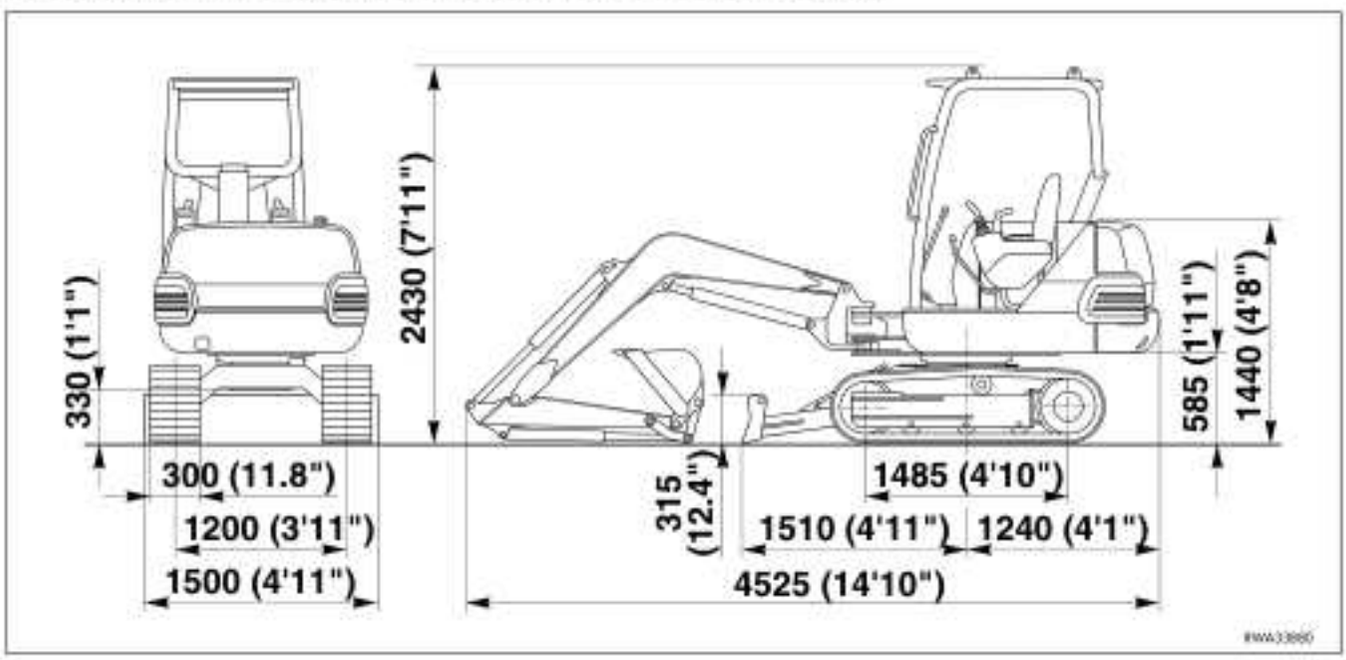
5.1 TECHNICAL DATA

5.1.1 STANDARD OVERALL DIMENSIONS

MACHINE WITH CAB AND STANDARD DIGGING ARM



MACHINE WITH CANOPY AND STANDARD DIGGING ARM



IMPORTANT

- **If the machine is equipped with steel shoes instead of rubber shoes, the overall dimensions indicated in the drawing remain unchanged.**

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