WEAM003200

Operation & Maintenance Manual

PC35R-8
PC45R-8

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC35R-8 - F20518 and up
PC45R-8 - F20666

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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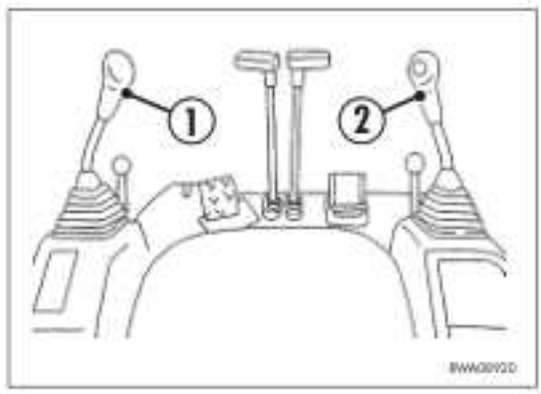
1-2 - EQUIPMENT CONTROL LEVERS

WARNING

- **Before carrying out any manoeuvre with these levers, the operator must be seated in the work position with fastened safety belt; before any manoeuvre he must perform the operations described in "3.13 USING THE WORK EQUIPMENT").**
- **Before leaving the operating position, lower the equipment to the ground and lock the safety device, then stop the engine.**

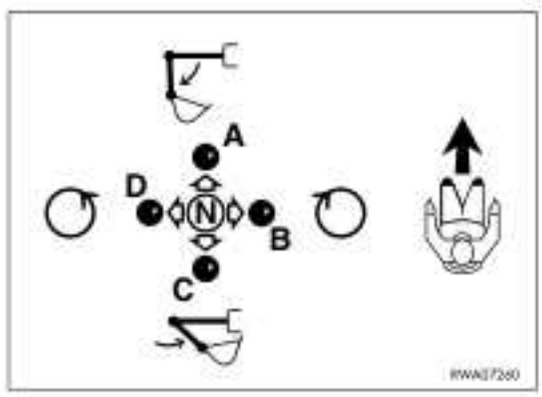
The control lever (1) is positioned on the operator's left and controls the arm and the upper structure rotation, while the control lever (2) is positioned at the operator's left and controls the boom and the bucket.

The following diagrams show the basic manoeuvres and the possible combined manoeuvres.



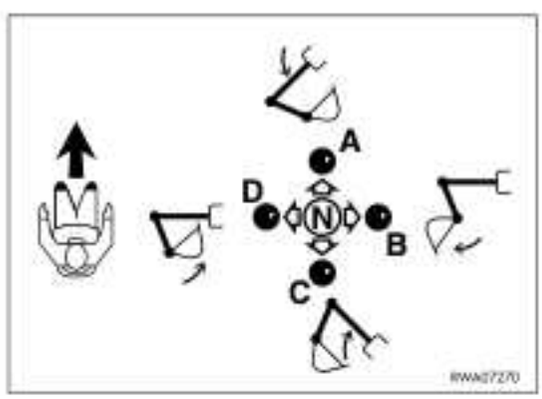
LEVER 1 (BASIC MANOEUVRES)

N - Neutral
A - Arm opening
B - Rotation to the right
C - Arm folding
D - Rotation to the left



LEVER 2 (BASIC MANOEUVRES)

N - Neutral
A - Boom lowering
B - Bucket opening
C - Boom raising
D - Bucket folding



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4.7.5 MAINTENANCE AFTER THE FIRST 250 HOURS OF OPERATION

(Operations to be carried out together with those prescribed at point "4.7.6 MAINTENANCE EVERY 250 HOURS OF OPERATION")

N.	PART	OPERATION	PAGE
a	Travel reduction gears	Change the oil	168
b	Engine valves	Check the clearance	172

4.7.6 MAINTENANCE EVERY 250 HOURS OF OPERATION

N.	PART	OPERATION	PAGE
a	Fan belt	Check the fan belt condition and its tension	160
b	Battery	Check the electrolyte level	161
c	Travel reduction gears	Check the levels (n. 2)	161
d	Engine oil	Change	162

4.7.7 MAINTENANCE EVERY 500 HOURS OF OPERATION

N.	PART	OPERATION	PAGE
a	Engine oil filter	Change	163
b	Fuel filter	Change	164
c	Fuel pump precleaner	Change	165
d	Radiators	Clean the outside	166
e	Hydraulic oil drainage filter	Change	167

4.7.8 MAINTENANCE EVERY 1000 HOURS OF OPERATION

N.	PART	OPERATION	PAGE
a	Travel reduction gears	Change the oil	168

4.7.9 MAINTENANCE EVERY 2000 HOURS OF OPERATION

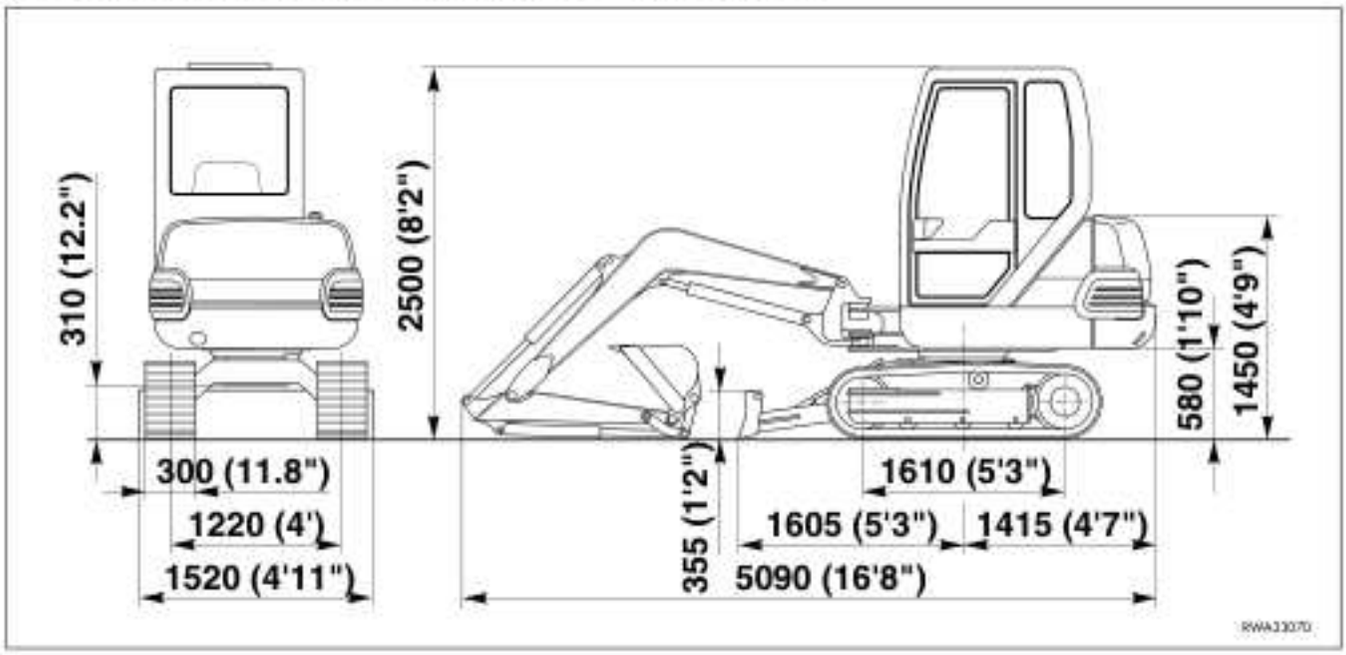
N.	PART	OPERATION	PAGE
a	Hydraulic oil and suction filter	Change the oil and clean the filter	169
b	Coolant	Change	172
c	Engine valves	Check the clearance	172
d	Alternator and starter	Check	172

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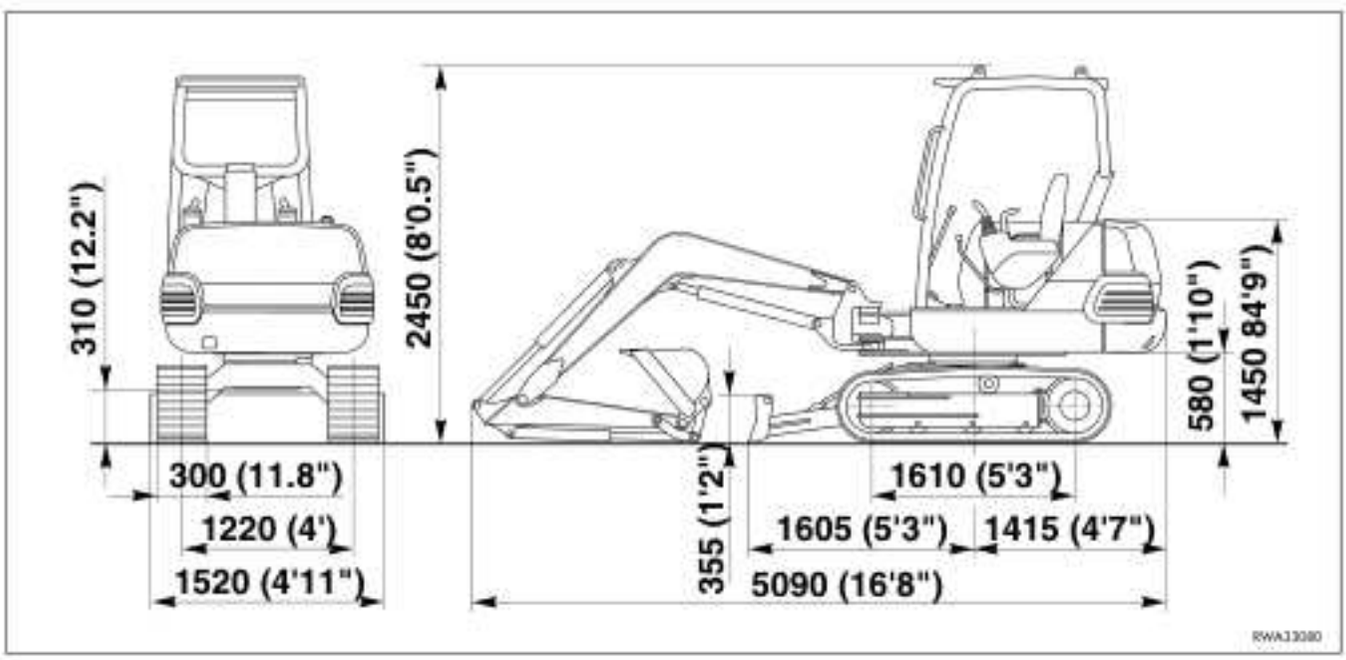
5.1 TECHNICAL DATA

5.1.1 STANDARD OVERALL DIMENSIONS (for PC35R only)

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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