WEAM002801

Operation & Maintenance Manual

KOMATSU®

PC75R-2

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC75R-2 –22E5200763 and up

July 2001

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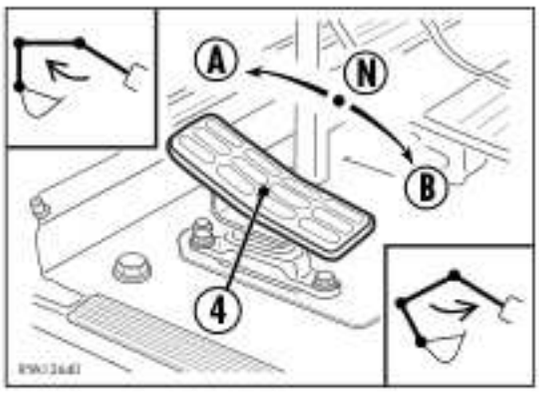
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4 - TWO-PIECE BOOM CONTROL PEDAL (IF PROVIDED)



This pedal controls the opening and folding of the two-piece boom according to the movements indicated.

N - Neutral

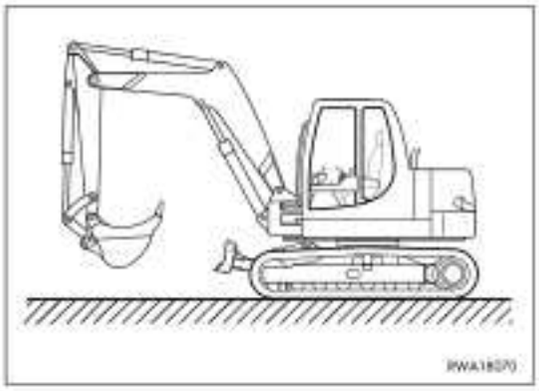
A - Boom opening

B - Boom folding

IMPORTANT

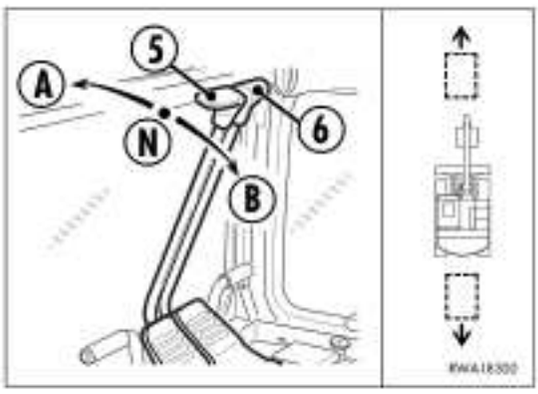
- **All movements are locked by shifting the safety device lever to the lock position (see pos. 1).**
- **This pedal can be used also to control the hydraulic pliers and its utilization is enabled through the switch positioned on the dashboard (see «3.3.3 pos.10 HYDRAULIC PLIERS USE ENABLING SWITCH»).**
  This position is indicated by the coming on of the LED.

5-6 - TRAVEL AND STEERING 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 moving, make sure that the upper structure is directed towards the blade and that all the safety devices are engaged; if the upper structure is turned by 180°, the controls are inverted.**
  (See "3.6.5 HOW TO MOVE THE MACHINE").
- **Failure to comply with these rules may cause serious accidents.**



The levers (5) and (6) serve to operate the left and right travel motors, respectively, and control the forward and the reverse gear according to the movements indicated.

N - Neutral

A - Forward gear

B - Reverse gear

IMPORTANT

- **All movements are locked by shifting the safety device lever to the lock position (see pos. 1).**

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2 - Remove the screws (2) that hold the filter cover (3), remove the cartridge (4) and the filter casing (5).
Use a 13 mm spanner.

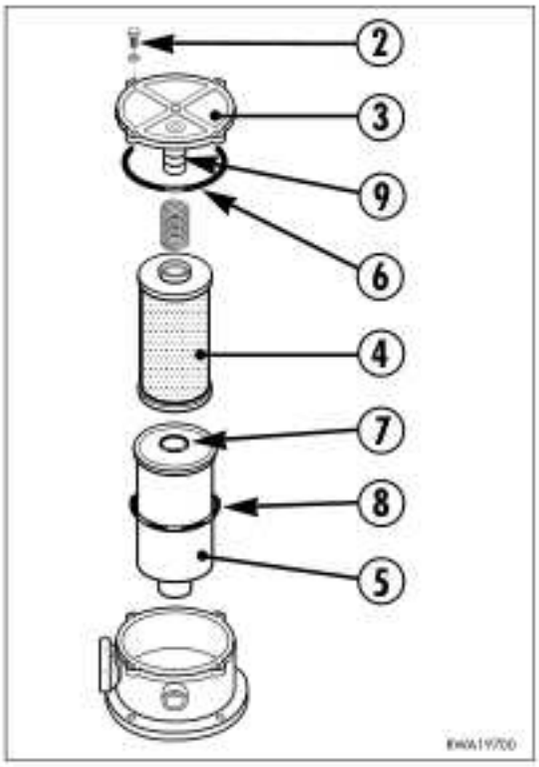
3 - Carefully clean the filter casing (5), making sure that the filter gasket (7) and the container gasket (8) are in perfect conditions.

4 - Clean the magnetic rings (9) installed on the cover to attract metal particles.

5 - Change the cartridge (4).

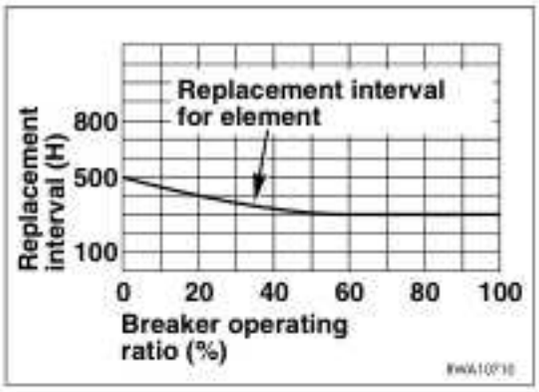
6 - Reassemble all the components proceeding in the reverse order and making sure that the gasket (6) of the cover (3) is sound and correctly positioned in the cover seat.

7 - Close the side cover.



IMPORTANT

- **The hydraulic oil used in machines provided with demolition hammer deteriorates sooner than the oil used in machines that carry out only normal digging operations.
On new machines the filter must be changed after the first 100-150 hours of operation, while the successive changes must be carried out according to the intervals indicated on table beside.**
- **If the machine contains synthetic biodegradable oil type HEES, the filter must be changed after the first 50 hours of operation.**



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5.1.3 LIFTING CAPACITIES

WARNING

- **Carry out lifting operations only with the machine positioned on firm and level ground.**
- **Before lifting the load, make sure that the overload alarm device has been connected (see "3.3.3 pos. 8 BOOM OVERLOAD ALARM SWITCH").**

5.1.3.1 LIFTING CAPACITY TABLE

A - Arm length L=2100 mm (82.6 in)



B - Monoboom length L=3000 mm (118.1 in)



C - Operating hydraulic pressure (27 MPa / 270 bar) (3916 psi)



D - Standard bucket length and mass L=800 (31.5 in) / kg 200 (441 lb)



E - Lifting capacity



F - Standard shoes L=450 mm (17.7 in)

G - Raised blade



H - Lowered blade



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