Operation & Maintenance Manual

UEAM006800

PC160LC-7E0

HYDRAULIC EXCAVATOR

SERIAL NUMBER PC160LC-7E0 - K45001 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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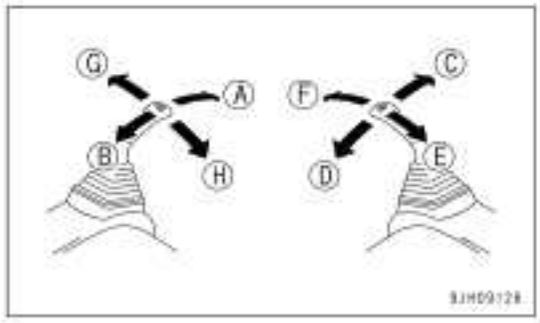
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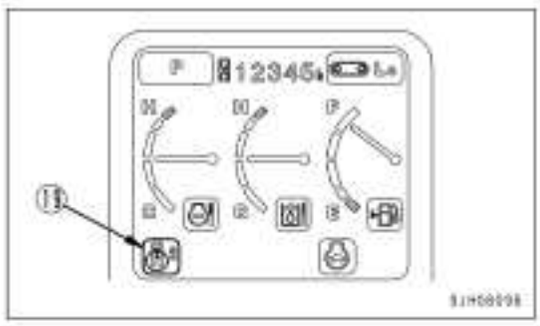
17. Before starting operations, repeat the following operations slowly 3 to 5 times to circulate warm oil through the control circuits.

- Boom operation RAISE (E) ⟷ LOWER (F)
- Arm operation IN (B) ⟷ OUT (A)
- Bucket operation CURL (D) ⟷ DUMP (C)

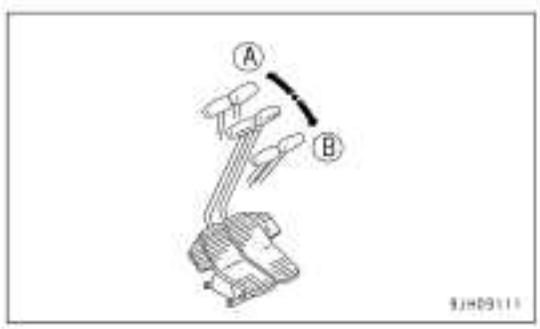


When carrying out swing operations, release swing lock switch (2), check that swing lock monitor (19) goes out, then operate the swing.

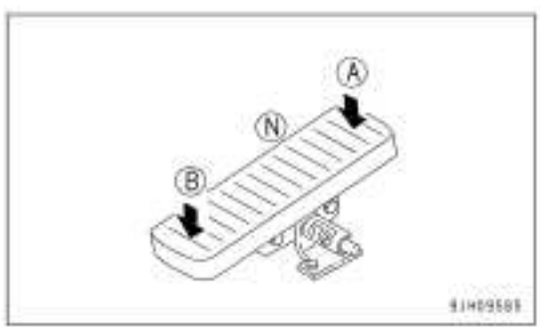
- Swing operation Left (G) ⟷ Right (H)



- Travel (Lo) operation FORWARD (A) ⟷ REVERSE (B)



- Attachment operation One way (A) ⟷ Other way (B



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MAINTENANCE PROCEDURE

INITIAL 250 HOURS MAINTENANCE (ONLY AFTER THE FIRST 250 HOURS)

Carry out the following maintenance only after the first 250 hours of operation on new machines.

- REPLACE FUEL PRE-FILTER CARTRIDGE

For details of the method of maintaining, see EVERY 500 HOURS MAINTENANCE.

INITIAL 500 HOURS MAINTENANCE (ONLY AFTER THE FIRST 500 HOURS)

Carry out the following maintenance only after the first 500 hours of operation on new machines.

- Replace fuel main filter cartridge

For details of the method of replacing or maintaining, see the section on EVERY 1000 HOURS SERVICE.

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EXPLANATION OF LIFTING CAPACITY CHART

MONOBOOM (PC160LC- 7E0KA)

LEGEND

A : Reach from swing centre
B : Bucket hook height
OF : Lifting capacity (rating overfront)
OS : Lifting capacity (rating overside)

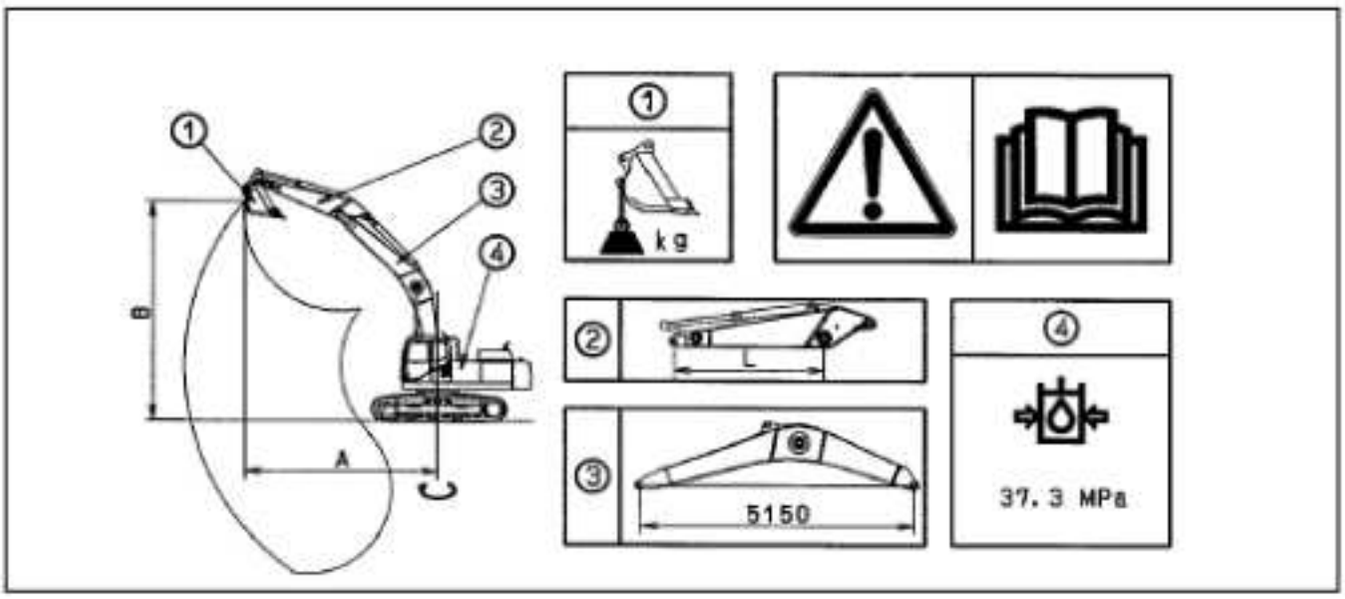
LEGEND

(1) Position of lifting point
(2) Arm length:
(3) Boom length
(4) Hydraulic pressure: 37.3 MPa

WORKING CONDITIONS:

- WITH BUCKET (0.9m^3 CECE).(680 kg)*
- IF OBJECT HANDLING IS PERFORMED WITH OTHER TOOL INSTALLED, THE WEIGHT DIFFERENCE OF THE TOOL SHALL BE DEDUCTED FROM THE VALUES OF THIS TABLE.
- WITH FULLY EXTENDED BUCKET CYLINDER.
- ON A COMPACT HORIZONTAL LEVEL GROUND.

PC160LC / PC180LC-7 WITH 600 mm WIDTH SHOE.
PC180NLC-7 WITH 500 mm WIDTH SHOE
Loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity (* load limited by hydraulic capacity rather than tipping)



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