TEN00731-01

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC138USLC-11

SERIAL NUMBERS 50001 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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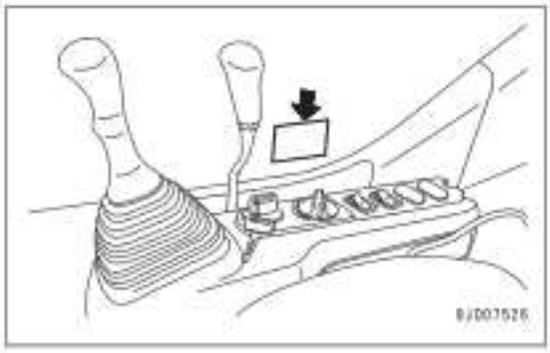
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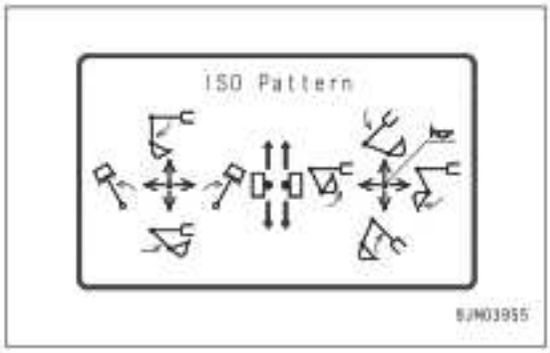
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WORK EQUIPMENT CONTROL LEVER

⚠ WARNING

- **The control pattern is set to the standard control method (ISO pattern).**
- **If it is necessary to change the control pattern, ask your Komatsu distributor.**
- **The operations in the control patterns other than the ISO pattern are explained in "Attachments and options". Be sure to read and understand them before starting the operation.**
- **When changing the control pattern, replace the control pattern plate with one matching to the operation of the machine as well.**
  The control pattern plate is stuck to the right side of the operator's seat.





The left work equipment control lever is used to operate the arm and upper structure.

Swing control

(a): Swing RIGHT

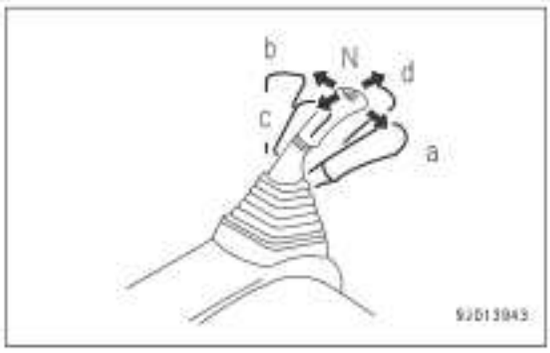
(b): Swing LEFT

Arm control

(c): Arm IN

(d): Arm OUT

N (NEUTRAL)



The upper structure and arm are held in position and do not move.

The R.H. work equipment control lever is used to operate the boom and bucket.

Boom control

(e): Boom RAISE

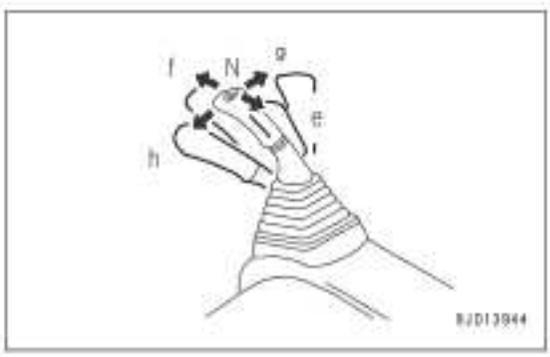
(f): Boom LOWER

Bucket control

(g): Bucket DUMP

(h): Bucket CURL

N (NEUTRAL)

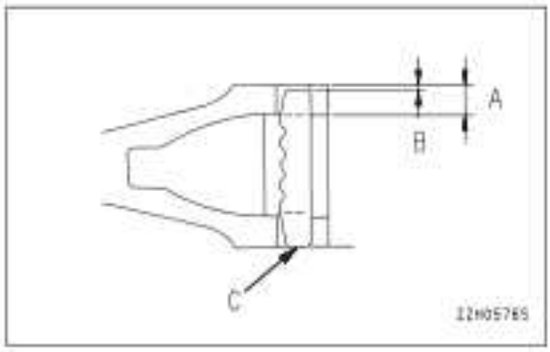


The boom and bucket are held in position and do not move.

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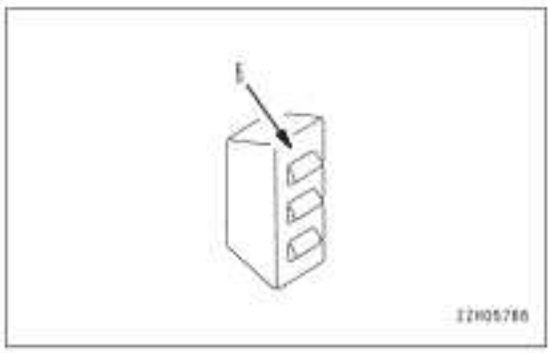
- Lock pin (2) is too short.

  Dimension (B) is 1/3 or more of dimension (A) when lock pin (2) is aligned with bottom face (C).



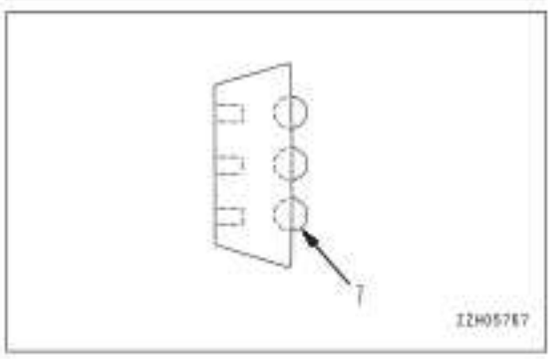
- The steel ball is about to come off.

  Rubber (6) of the rubber pin lock is broken.



- The steel ball sinks.

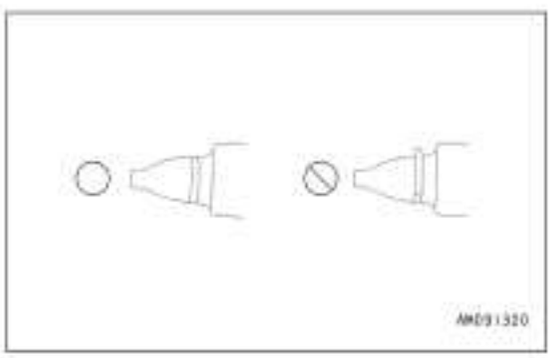
  The rubber of the rubber pin lock is deteriorated and steel ball (7) sinks into it when you press it.



5. Remove the soil stuck to adapter (4) by using a knife.
6. Use your hand or a hammer to push rubber pin lock (3) into the hole of adapter (4).

   When doing this, be careful that rubber pin lock (3) does not fly out from the adapter surface.
7. Clean the inside of tooth (1), then install it to adapter (4).

   If there is mud affixed to it or if there are protrusions, the tooth (1) will not enter adapter (4) properly, and there will not be proper contact at the mating portion.

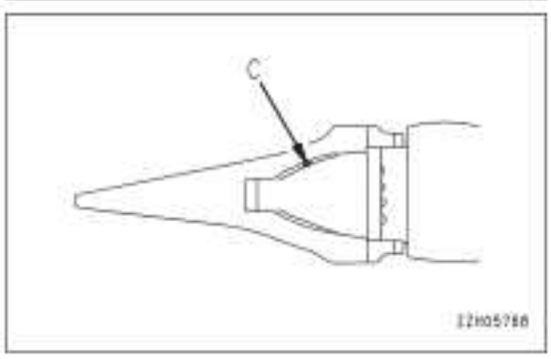


8. Fit tooth (1) to adapter (4), and check that when tooth (1) is pressed strongly, the rear face of the hole for the pin of tooth (1) is at the same level as the rear face of the hole for the pin of adapter (4).

   If the rear face of the pin hole of tooth (1) protrudes in front of the rear face of the pin hole of adapter (4), do not drive the pin in.

   There is sticking matter (C) which prevents tooth (1) from fitting into adapter (4) perfectly.

   Find out remove the sticking matter and fit tooth (1) into adapter (4) sufficiently, and then drive lock pin (2).



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EVERY 4500 HOURS MAINTENANCE

Maintenance for every 100, 250 and 500 hours should be performed at the same time.

REPLACE KCCV HOSE

Ask your Komatsu distributor for replacement of the KCCV hose.

METHOD FOR CLEANING DEF TANK

Ask your Komatsu distributor for cleaning of the DEF tank.

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