Operation & Maintenance Manual

UEAM002401

PC160LC-7KA

HYDRAULIC EXCAVATOR

SERIAL NUMBER PC160LC-7KA - K40001 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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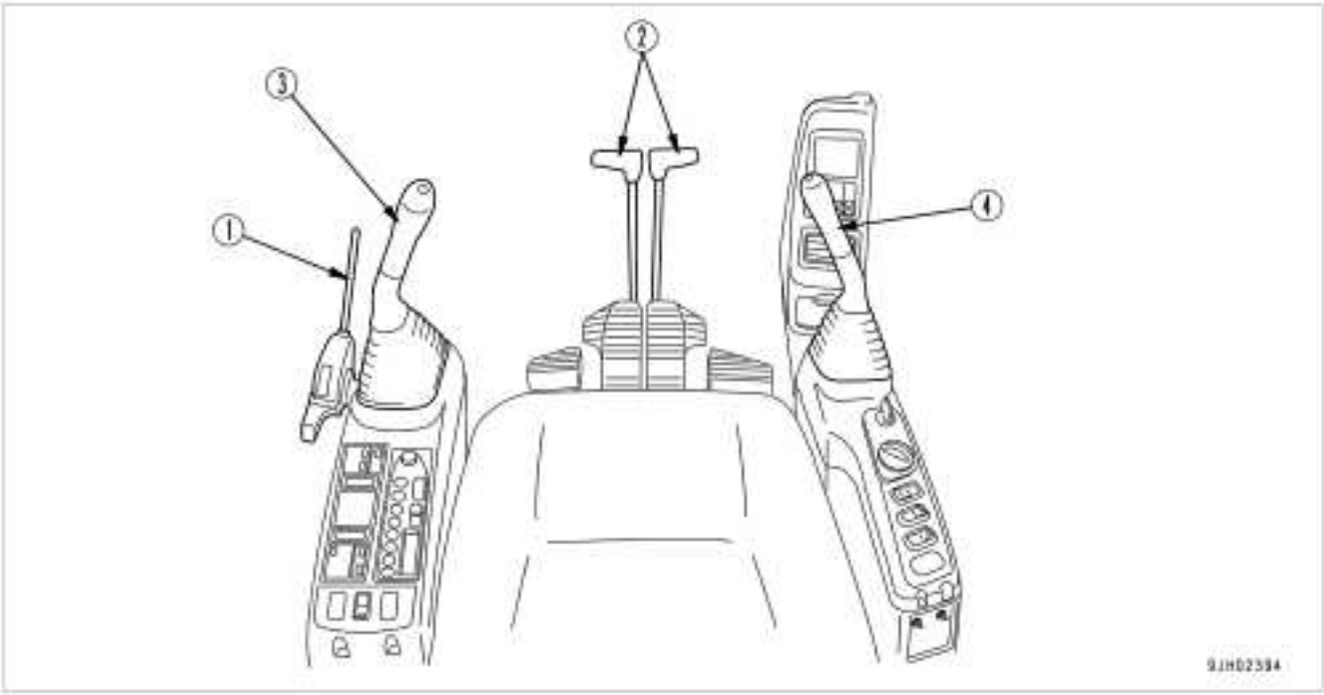
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CONTROL LEVERS AND PEDALS

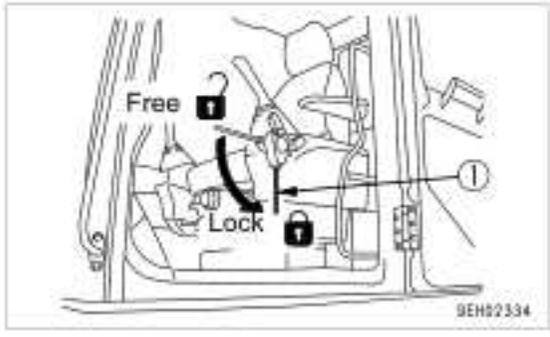


(1) Safety lock lever	(3) Left work equipment control lever (with auto-deceleration device)
(2) Travel levers (Machines with pedal)	(4) Right work equipment control lever (with auto-deceleration device)

Safety Lock Lever

⚠ WARNING

- **When leaving the operator's compartment, set the safety lock lever securely to the LOCK position. If the safety lock lever is not at the LOCK position and the control levers are touched by mistake, it may lead to serious personal injury.**
- **Check that the condition of the lever is as shown in the diagram.**
- **When pulling the safety lock lever up, be careful not to touch the work equipment control lever.**
- **When pushing the safety lock lever down, be careful not to touch the work equipment control lever.**



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Locking the Inspection Covers

If inspection or maintenance has to be carried out with the inspection cover open, lock it securely in position with the lock bar. If inspection or maintenance is carried out with the inspection cover not locked in position, there is a hazard that it may be suddenly blown shut by the wind and cause injury to the worker.

Hydraulic System - Air Bleeding

When hydraulic equipment has been repaired or replaced, or the hydraulic piping has been removed and installed again, the air must be bled from the circuit. For details, see "BLEEDING AIR FROM HYDRAULIC SYSTEM (4-36)".

Hydraulic Hose Installation

- When removing parts at locations where there are O-rings or gasket seals, clean the mounting surface, and replace with new parts.
  When doing this, be careful not to forget to assemble the O-rings and gaskets.
- When installing the hoses, do not twist them or bend them into loops with a small radius.
  This will cause damage to the hose and markedly reduce its service life.

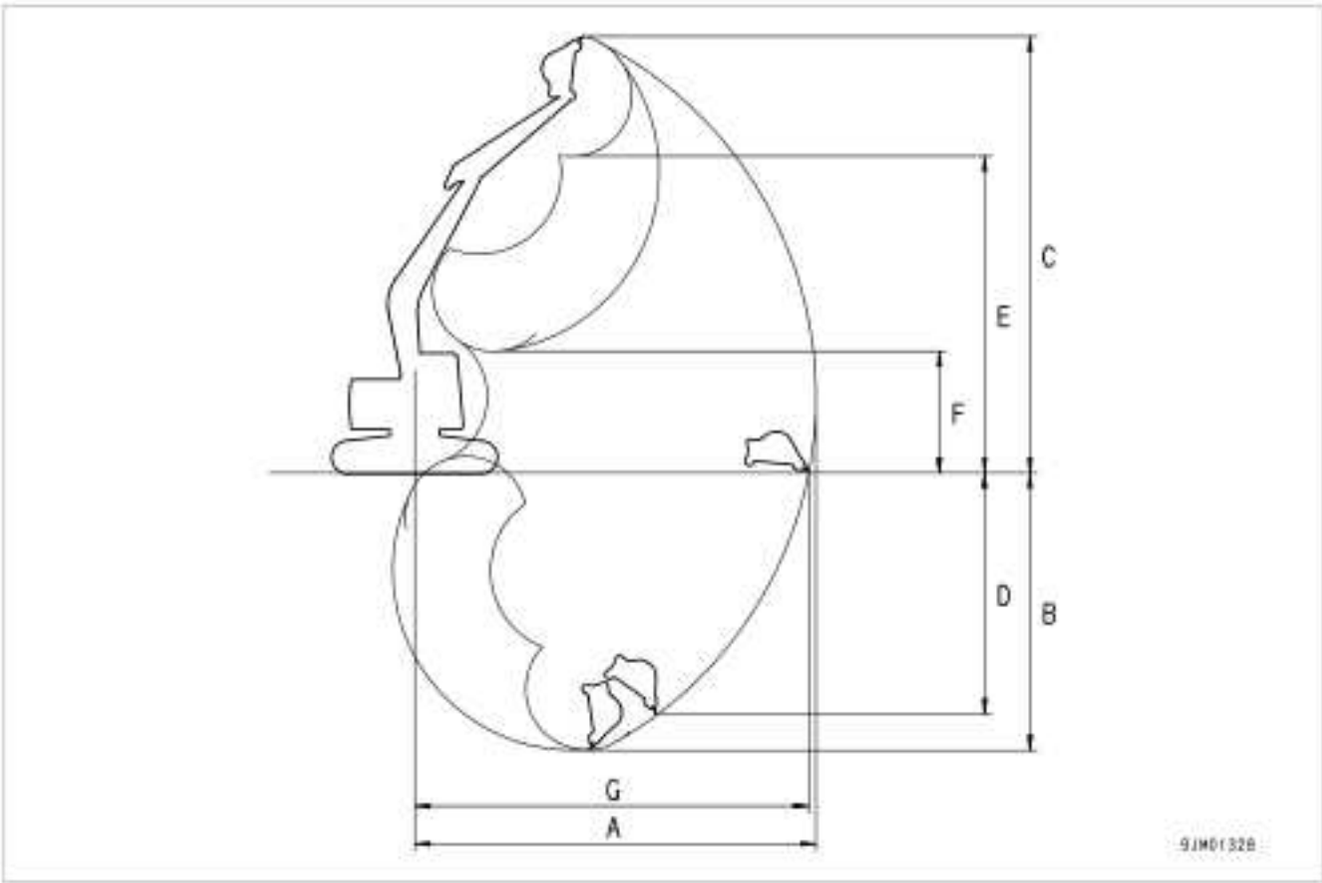
Checks After Inspection and Maintenance Works

If you forget carrying out the checks after inspection and maintenance, unexpected problems may occur, and this may lead to serious injury or property damage. Always do as follows.

- Checks after operation (with engine stopped)
  - Have any inspection and maintenance points been not forgotten?
  - Have all inspection and maintenance items been carried out correctly?
  - Have any tools or parts been not dropped inside the machine? It is particularly dangerous if parts are dropped inside the machine and get caught in the lever linkage mechanism.
  - Is there any leakage of water or oil? Have all the bolts been tightened?
- Checks when operating engine
  - For details of the checks when operating the engine, see "TWO WORKERS FOR MAINTENANCE WHEN ENGINE IS RUNNING (2-31)" and pay careful attention to safety.
  - Are the inspection and maintenance items working properly?
  - Is there any leakage of fuel or oil when the engine speed is raised?

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	Working ranges mm (ft)	PC160LC-7
A	Max. digging reach	8,960 (29.4)
B	Max. digging depth	5,960 (20.0)
C	Max. digging height	9,180 (30.1)
D	Max. vertical wall depth	5,690 (19.0)
E	Max. dumping height	6,370 (21.0)
F	Min. dumping height	2,400 (8.0)
G	Max. reach at ground level	8,800 (29.0)



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