TEN00284-03

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC27MR-3
PC35MR-3

SERIAL NUMBERS PC27MR-20002 and up
PC35MR-15001

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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Lock Lever

WARNING

- **When leaving the operator's compartment, set the lock lever securely to the LOCK position. If the lock lever is not at the LOCK position and the control levers or control pedals 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 lock lever up, be careful not to touch the work equipment control lever.**
  When pushing the lock lever down, be careful not to touch the work equipment control lever.

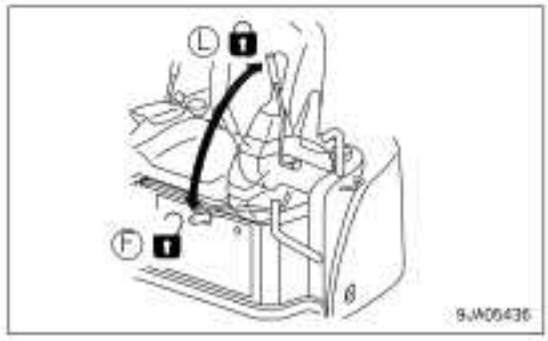
This lever (1) is a device to lock the operation of the work equipment, swing, travel, and attachment.
When the lever is pulled up, it is set to LOCK position (L).
This lock lever is a hydraulic lock type, so even when it is at LOCK position (L), the control levers and pedals move, but the work equipment and and the machine do not move.

REMARK

- If the lock lever is not at LOCK position (L), the engine will not start.
- Check that the lock lever is at LOCK position (L) before operating the starting switch.
- If the engine stops when the lock lever is at FREE position (F), operate the lock lever to LOCK position (L) before operating the starting switch.

(F): Free
(L): Lock

When the left lever is pulled up, the lever stand springs up and is locked.



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EVERY 500 HOURS MAINTENANCE

LUBRICATING

Lubricating Swing Components

⚠ WARNING

When lubricating the swing circle and the swing pinion, do not swing the upper structure while carrying out the lubricating.

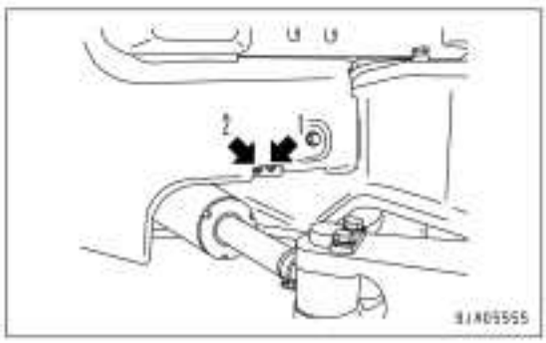
NOTICE

For the first 100 hours on new machines where the parts are settling in, carry out greasing every 10 hours.

- Prepare a grease pump

1. Using a grease pump, pump in grease through the grease fittings shown by arrows.
2. After greasing, wipe off any old grease that was pushed out.

(1) Swing pinion (1 place)
(2) Swing circle (1 place)



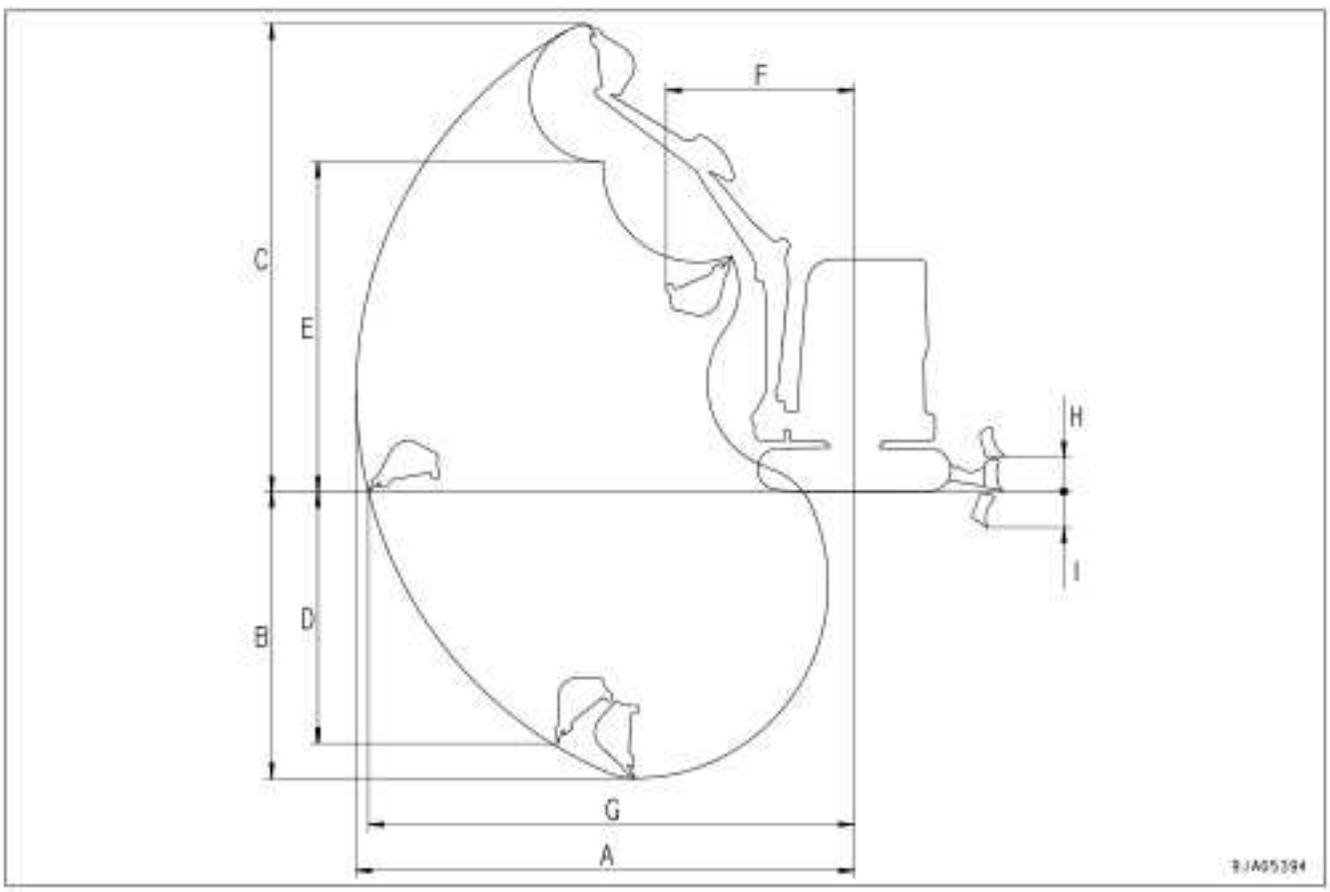
When lubricating the swing circle and swing pinion, turn the chassis little by little to change the position while carrying out the lubrication.

REMARK

Greasing the boom swing cylinder foot pin is an item of servicing that is to be carried out on an ad-hoc basis. (See"LUBRICATING (PAGE 4-41)")

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	Working ranges	Unit	PC27MR-3	PC35MR-3
A	Max. digging reach	mm (ft in)	4,930 (16'2")	5,640 (18'6")
B	Max. digging depth	mm (ft in)	2,840 (9'4")	3,450 (11'4")
C	Max. digging height	mm (ft in)	4,690 (15'5")	5,320 (17'5")
D	Max. vertical wall depth	mm (ft in)	2,370 (7'9")	3,030 (9'11")
E	Max. dumping height	mm (ft in)	3,390 (11'1")	3,830 (12'7")
F	Minimum swing radius of work equipment	mm (ft in)	2,030 (6'8")	2,140 (7'0")
	Minimum swing radius of work equipment (at boom swing)	mm (ft in)	1,700 (5'7")	1,710 (5'7")
G	Max. reach at ground level	mm (ft in)	4,840 (15'11")	5,520 (18'11")
H	Max. blade lifting height	mm (ft in)	360 (14.2")	360 (14.2")
I	Max. blade lowering depth	mm (ft in)	315 (12.4")	390 (15.4")



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