TEN00292-03

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC18MR-3

SERIAL NUMBERS 20001 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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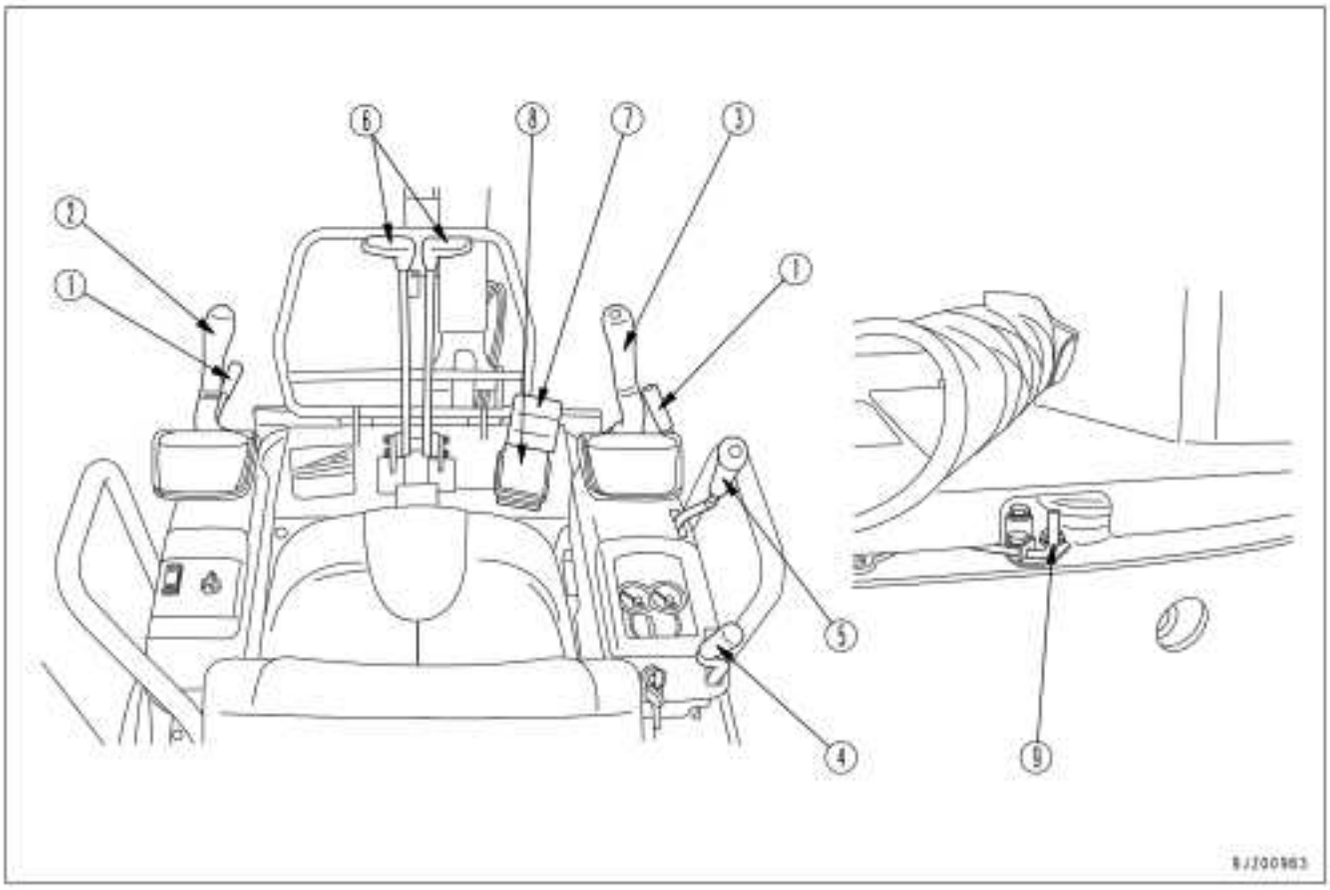
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CONTROL LEVERS AND PEDALS



(1) Lock lever
(2) Left work equipment control lever
(3) Right work equipment control lever
(4) Fuel control lever
(5) Blade/Variable gauge control lever
(6) Travel levers
(7) Swing lock cover
(8) Boom swing control pedal
(9) Floor lock cancel lever

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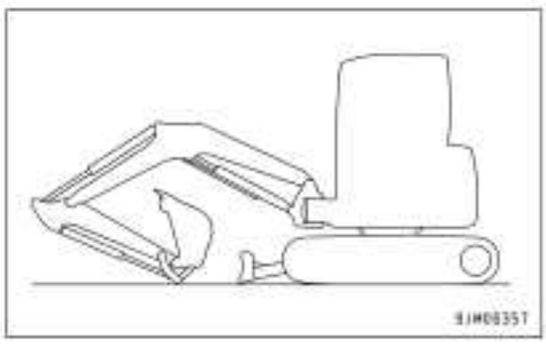
Lubricating Work Equipment

NOTICE

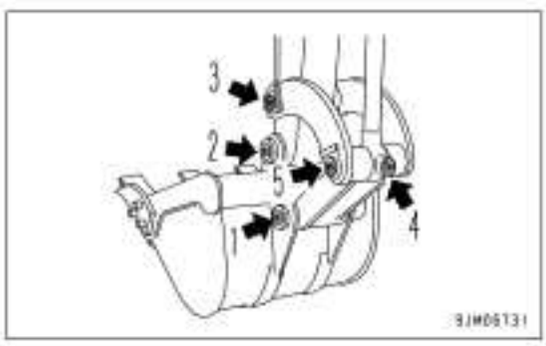
- **When breaking in a new machine, carry out lubrication every 10 hours for the first 100 hours of operation.**
- **If any abnormal sound comes from the greasing point, carry out greasing regardless of the inspection and maintenance interval.**
- **After carrying out digging work in water, always lubricate the pins that were under water.**

- Prepare a grease pump

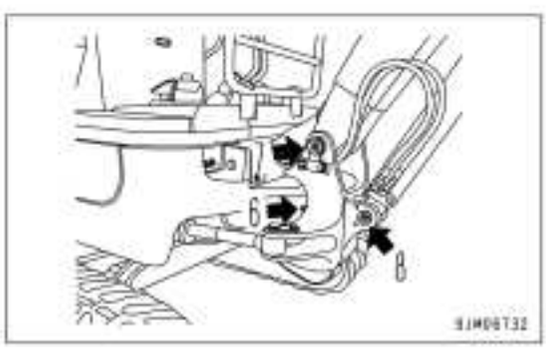
1. Set the machine to the greasing posture shown on the right diagram, lower the work equipment to the ground, then stop the engine.
2. Using a grease pump, pump in grease through the grease fittings shown by arrows.
3. After greasing, wipe off any old grease that was pushed out.



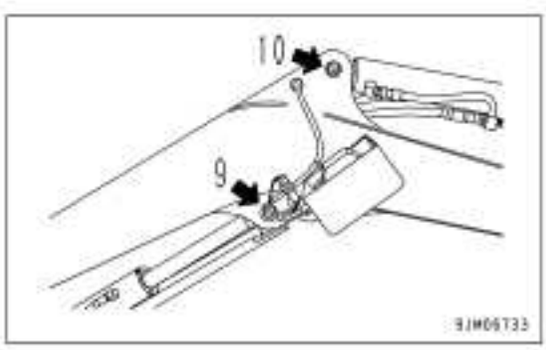
(1) Bucket - Link connecting pins (1 place)
(2) Arm - Bucket connection pin (1 place)
(3) Arm - Link coupling pin (1 place)
(4) Bucket cylinder rod end (1 place)
(5) Link coupling pin (1 place)



(6) Boom swing bracket pin (1 place)
(7) Boom foot pin (1 place)
(8) Boom cylinder foot pin (1 place)

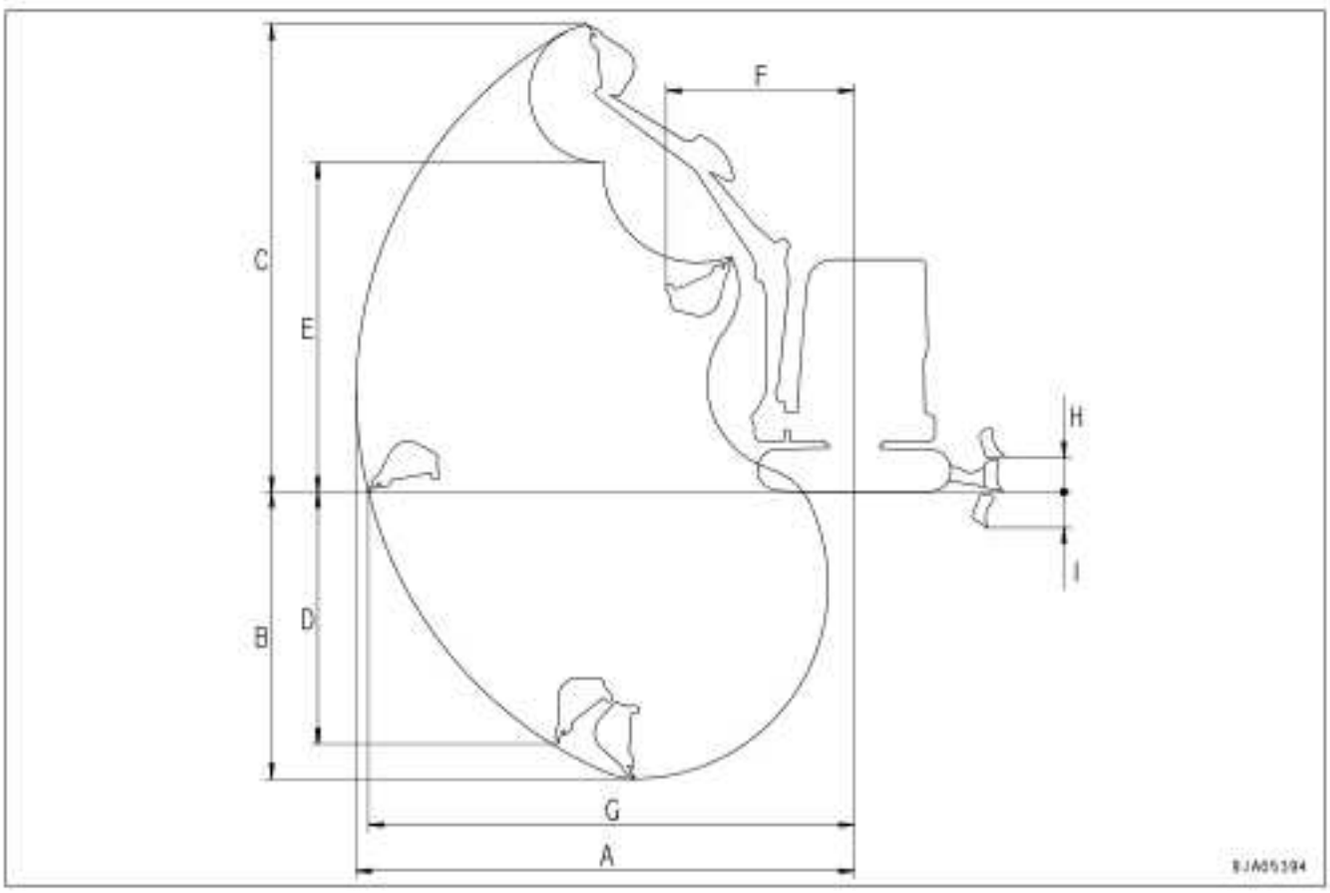


(9) Boom cylinder rod end (1 place)
(10) Arm cylinder foot pin (1 place)



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	Working ranges	Unit	PC18MR-3
A	Max. digging reach	mm (ft in)	4,025 (13'2")
B	Max. digging depth	mm (ft in)	2,160 (7'1")
C	Max. digging height	mm (ft in)	3,615 (11'10")
D	Max. vertical wall depth	mm (ft in)	1,785 (5'10")
E	Max. dumping height	mm (ft in)	2,610 (8'7")
F	Minimum swing radius of work equipment	mm (ft in)	1,670 (5'6")
	Minimum swing radius of work equipment (at boom swing)	mm (ft in)	1,355 (4'5")
G	Max. reach at ground level	mm (ft in)	3,935 (12'11")
H	Max. blade lifting height	mm (ft in)	280 (11.0")
I	Max. blade lowering depth	mm (ft in)	255 (10.0")



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