TEN00549-00

Operation & Maintenance Manual

HYDRAULIC EXCAVATOR

PC18MR-3

SERIAL NUMBERS 21114 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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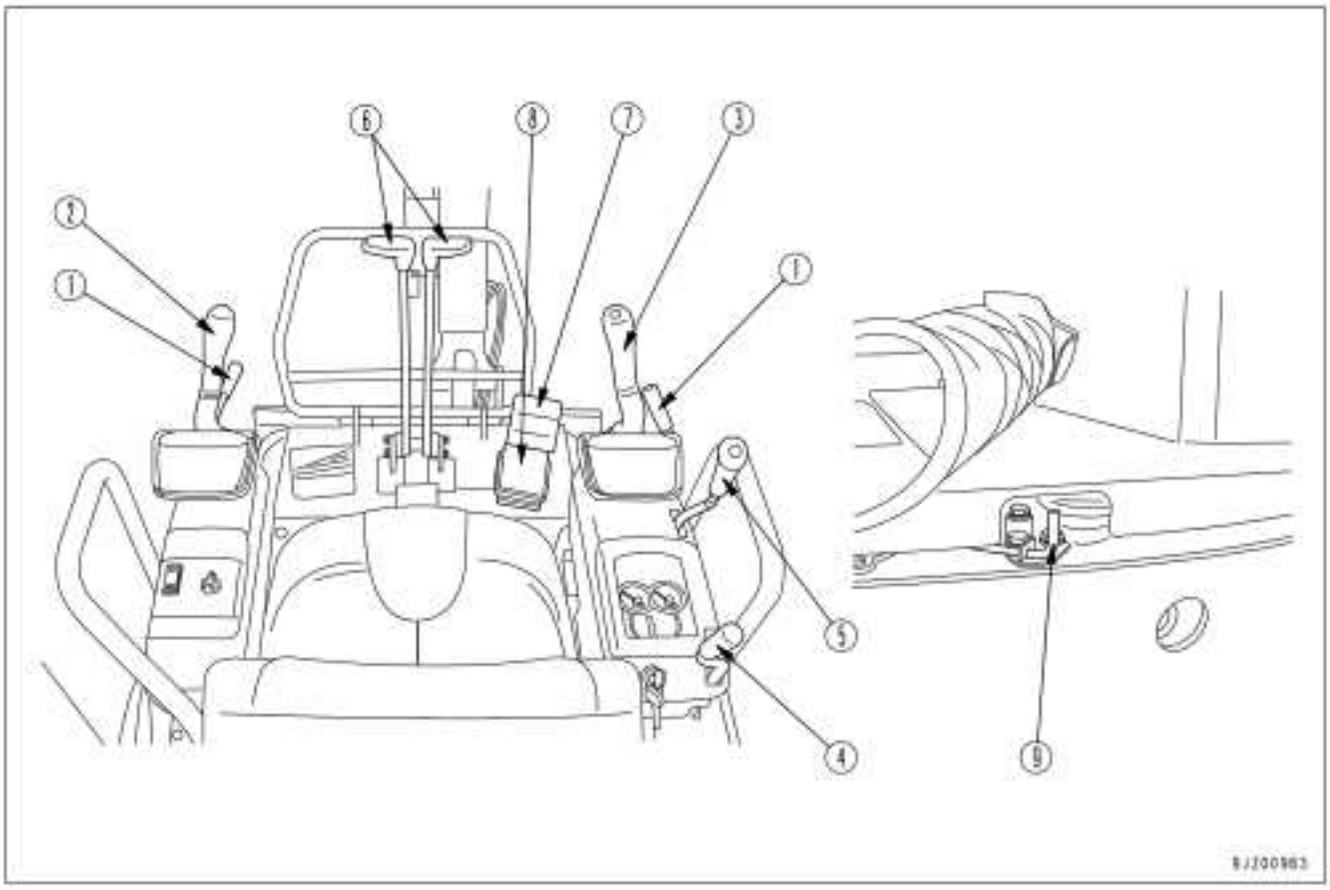
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CONTROL LEVERS AND PEDALS



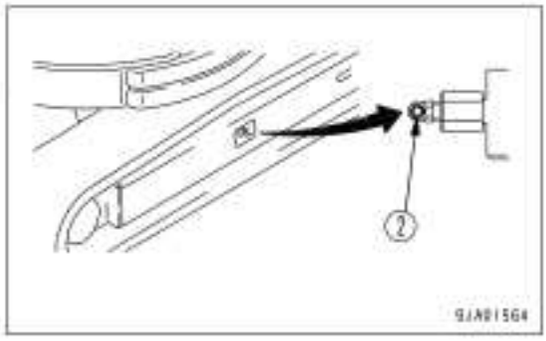
(1) Lock lever
(2) Left work equipment control lever
(3) Right work equipment control lever
(4) Fuel control lever
(5) Blade/Variable gauge control lever
(6) Travel levers
(7) Swing lock cover
(8) Boom swing control pedal
(9) Floor lock cancel lever

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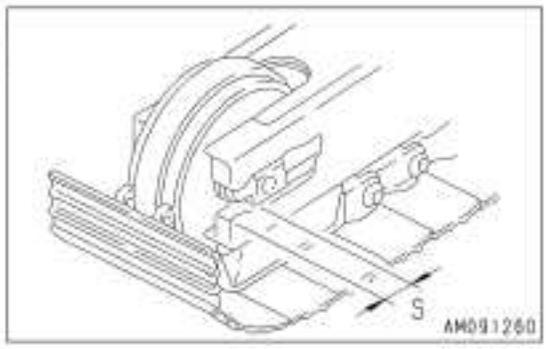
Increasing Track Tension

Prepare a grease pump.

1. Pump in grease through grease fitting (2) with a grease pump.
2. To check if the tension is correct, run the engine at low idle, move the machine slowly forward (by an amount equal to the length of track on ground), then stop the machine.
3. Check the track tension again, and if the tension is not correct, adjust it again.



4. Continue to pump in grease until dimension (S) becomes zero (0). If the tension is still loose, the pin and bushing are excessively worn, so they must be either turned or replaced. Please contact your Komatsu distributor for repairs.

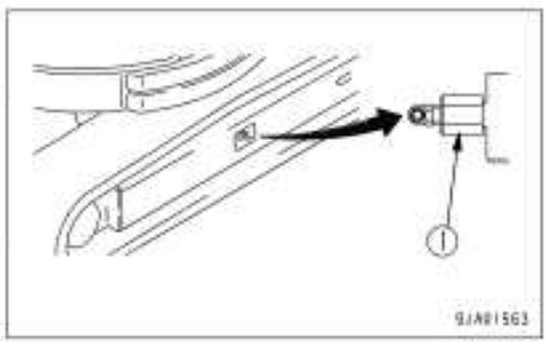


Loosening Track Tension

WARNING

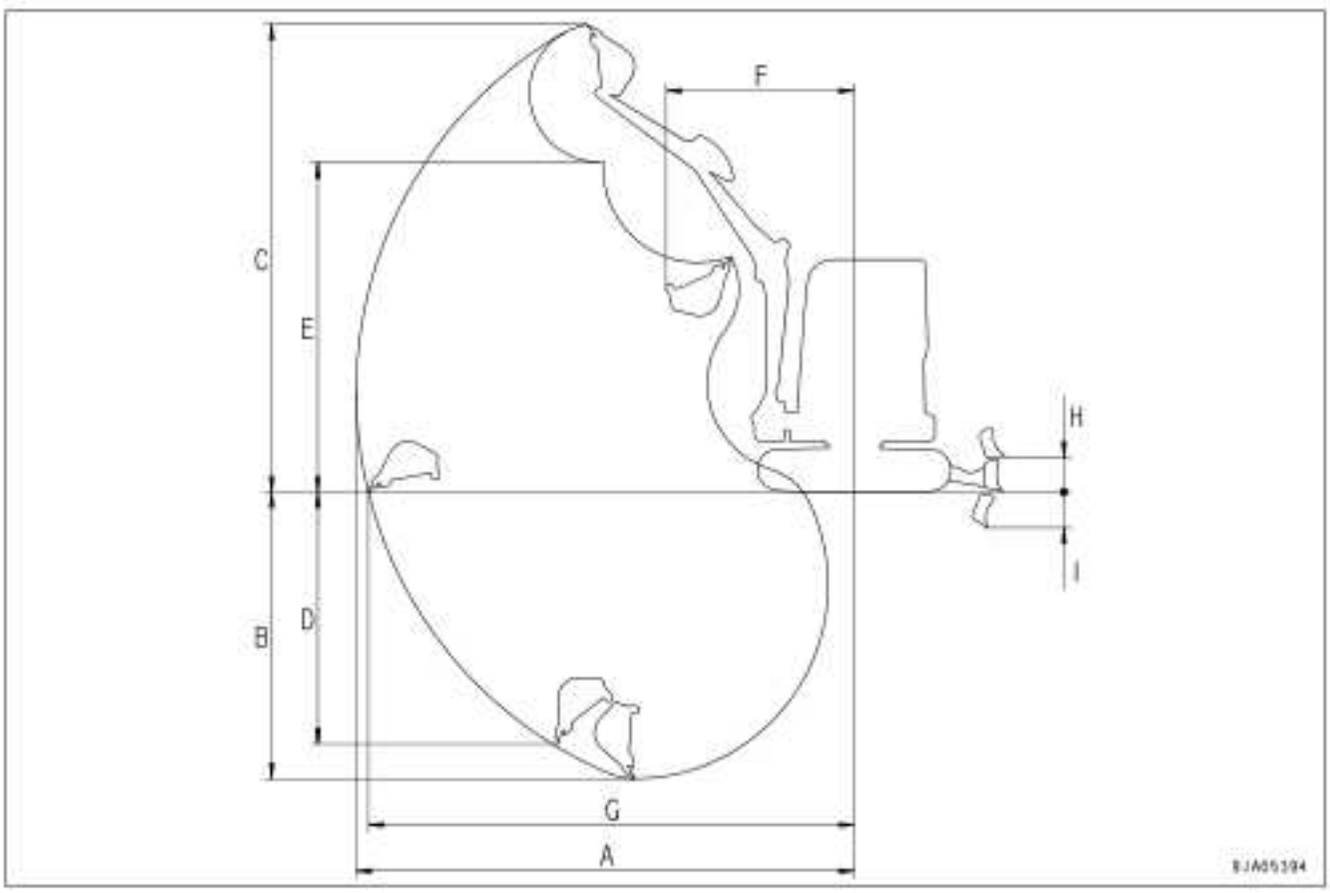
It is extremely dangerous to release the grease by any method except the procedure given below.
If track tension is not relieved by this procedure, contact your Komatsu distributor for repairs.

1. Loosen plug (1) gradually to release the grease.
2. When loosening plug (1), turn it a maximum of one turn.
3. If the grease does not come out smoothly, move the machine forwards and backwards a short distance.
4. Tighten plug (1).
5. To check if the tension is correct, run the engine at low idle, move the machine slowly forward (by an amount equal to the length of track on ground), then stop the machine.
6. Check the track tension again, and if the tension is not correct, adjust it again.



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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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