TEN00052-01

Operation & Maintenance Manual

GALEO

PC18MR-2

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC18MR-2 15001 and up

January 2006

KOMATSU

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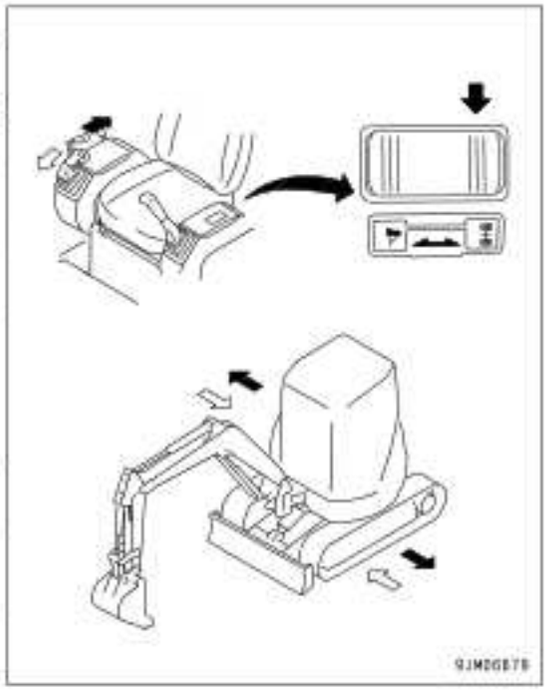
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• Variable gauge operation

WARNING

Use the narrow gauge only when traveling through confined places. For normal operation and for digging operations, always set the variable gauge to wide gauge.
When the machine is on a slope, the left-to-right stability is poor, so it is dangerous to change the track gauge.
Always set the machine on flat, level ground when changing the track gauge.
Before operating the blade/variable gauge control lever, check the position of the blade/variable gauge selector switch.

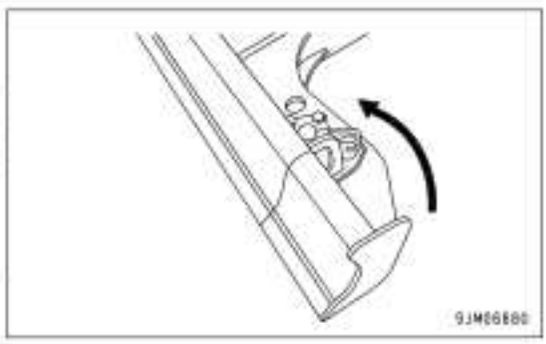


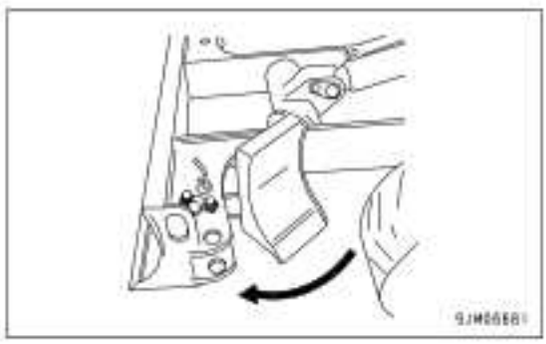
Set the blade/variable gauge selector switch to the variable gauge control side.
Move the blade/variable gauge control lever to the front or rear to change the variable gauge.

NOTICE
If there is any obstacle and it is impossible to extend or retract the gauge, remove the obstacle or move the machine to flat ground to change the track gauge.
When extending or retracting the gauge, if there is any mud caught in the tracks, remove it first before changing the track gauge.

It is possible to change the width of the blade between narrow and wide to match the width of the variable gauge.
When changing from wide gauge to narrow gauge, remove the dozer pin, turn the blade extension in the direction of the arrow, align the pin hole and the hole in the blade extension, then insert the dozer pin.

When changing from narrow gauge to wide gauge, carry out the reverse operation.



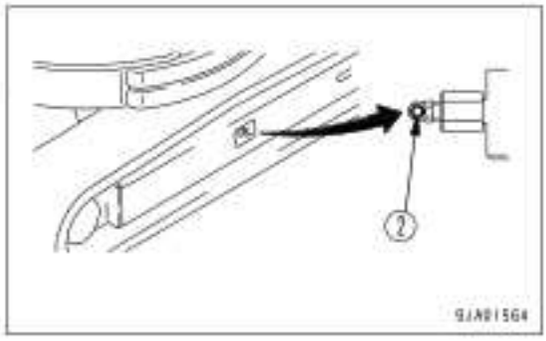


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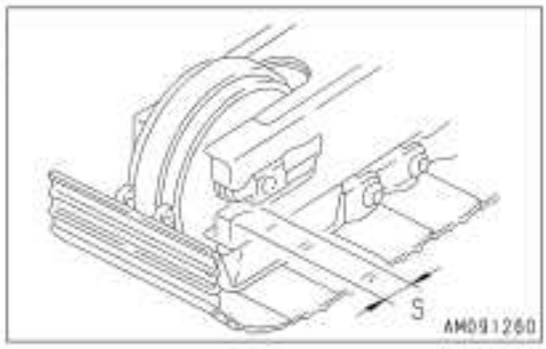
Increasing Track Tension

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.

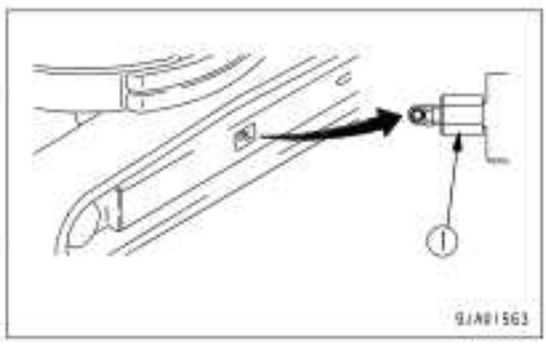


Loosening Track Tension

WARNING

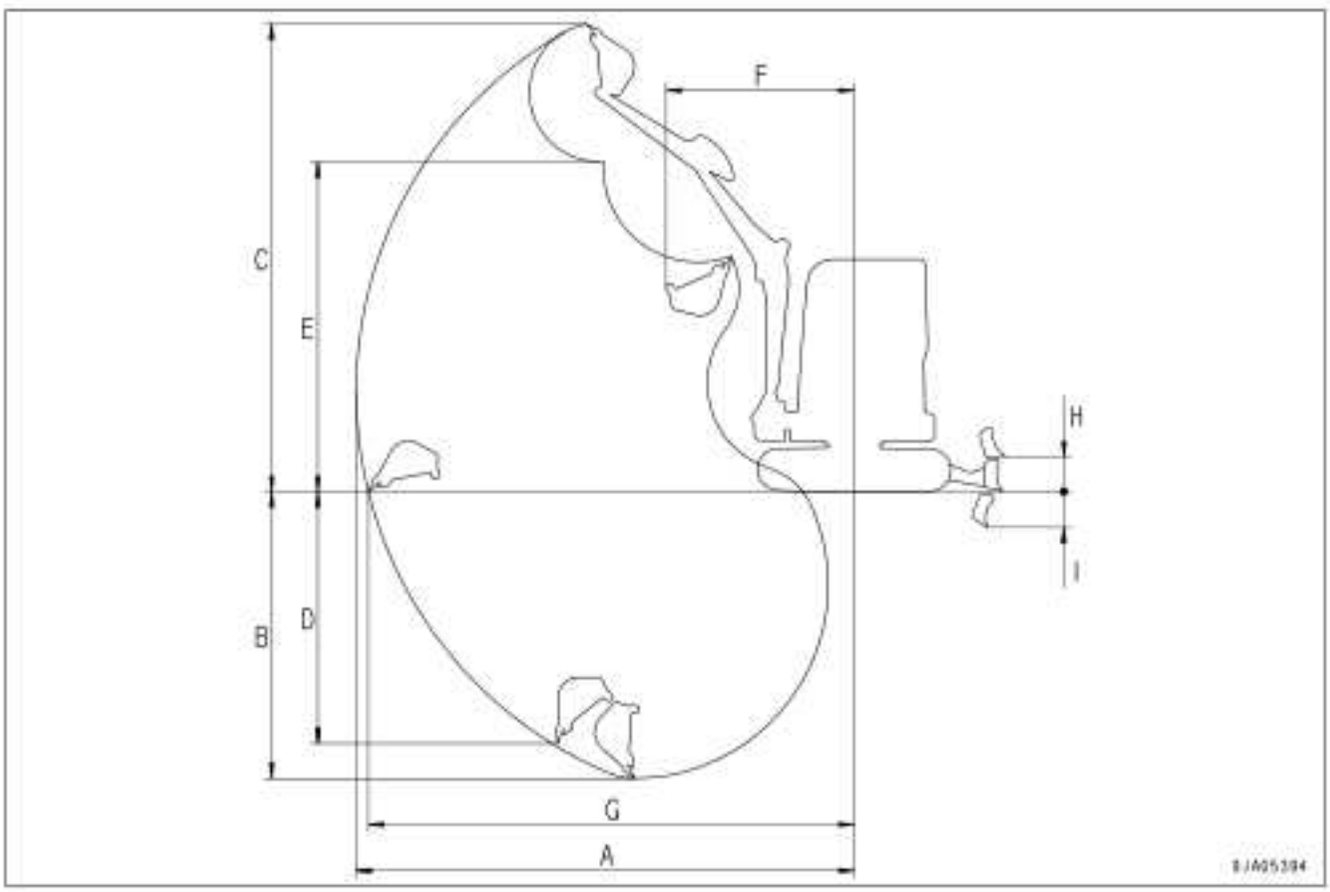
It is extremely dangerous to release the grease by any method except the procedure given below.
If track tension is not relieved by this procedure, contact your Komatsu distributor for repairs.

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-2
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")
I	Max. blade lowering depth	mm (ft in)	255 (10")



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