TEN00666-03

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC45MR-3
PC55MR-3

SERIAL NUMBERS PC45MR- 6901
PC55MR- 18501
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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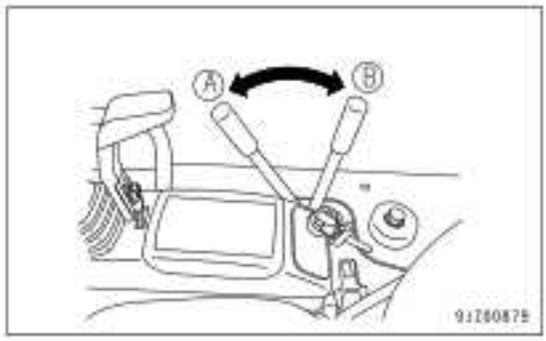
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Fuel Control Lever

This lever (4) is used to control the engine speed and output.
(A) Low idle: Push the lever fully
(B) High idle: Pull the lever fully

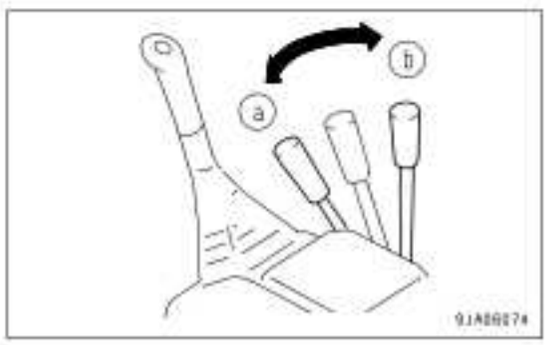


Blade Control Lever

NOTICE

When digging operations using the blade are continued for more than one hour, pay careful attention to the rise in the coolant temperature.

This lever (5) is used to control the blade.
(a) Lower
(b) Raise



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EVERY 500 HOURS MAINTENANCE

Maintenance for every 100 hours should be carried out at the same time.

LUBRICATION

Lubricating Swing Components

WARNING

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

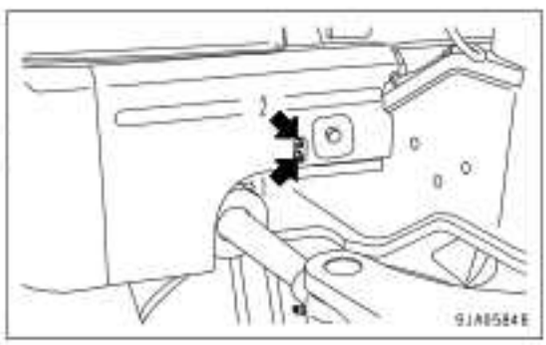
NOTICE

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. By 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.

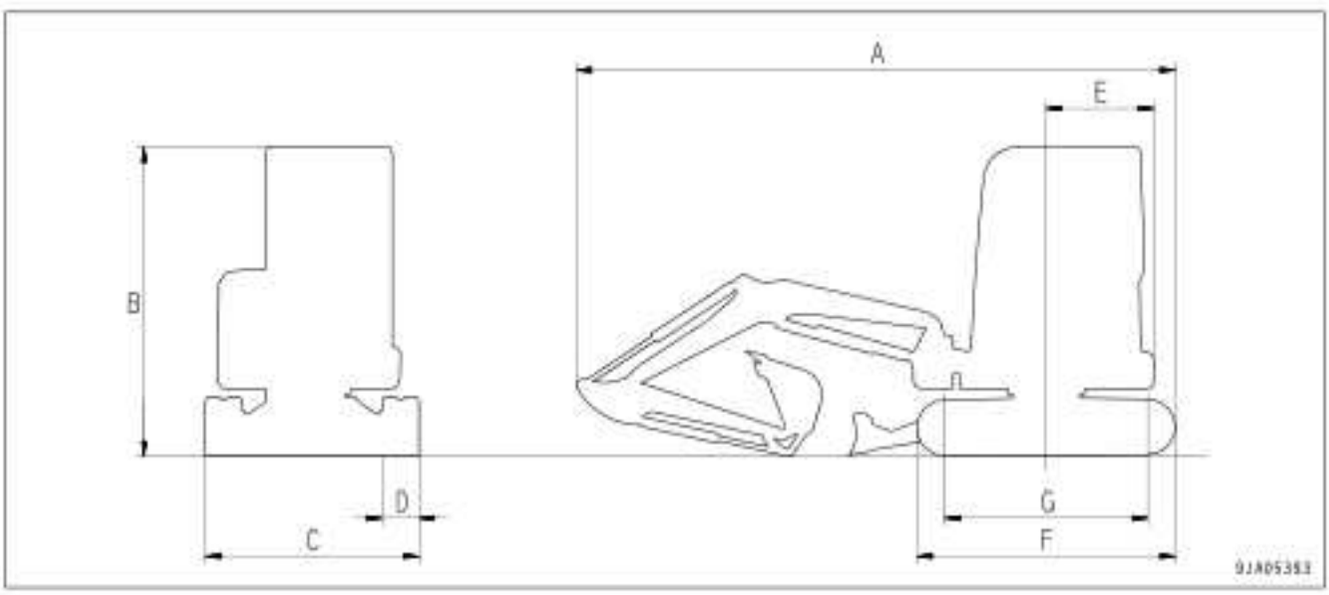
REMARK

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 4-46)")

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SPECIFICATIONS

	Item		Unit	PC45MR-3	PC55MR-3
	Operating Weight	Canopy specified	kg (lb)	4,795 (10,573)	5,160 (11,378)
		Cab specified		4,915 (10,838)	5,280 (11,642)
	Bucket capacity		m^3 (cu.yd)	0.14 (0.18)	0.16 (0.21)
	Name of engine		-	Komatsu 4D88E-6BP diesel engine	Komatsu 4D88E-6BP diesel engine
	Engine horsepower		kW(HP)/rpm	28.5(38.2)/2,400	28.5(38.2)/2,400
A	Overall length		mm (ft in)	5,330 (17'6")	5,550 (18'3")
B	Overall height		mm (ft in)	2,550 (8'4")	2,550 (8'4")
C	Overall width		mm (ft in)	1,960 (6'5")	1,960 (6'5")
D	Track width		mm (ft in)	400 (1'4")	400 (1'4")
E	Radius of upper structure	Canopy specified	mm (ft in)	1,060 (3'6")	1,060 (3'6")
		Cab specified		1,060 (3'6")	1,060 (3'6")
F	Length of track		mm (ft in)	2,520 (8'3")	2,520 (8'3")
G	Tumbler center distance		mm (ft in)	2,000 (6'7")	2,000 (6'7")
	Min. ground clearance		mm (ft in)	290 (11.0")	290 (11.0")
	Travel speed (Low/High)		km/h (MPH)	2.8/4.6 (1.7/2.9)	2.8/4.6 (1.7/2.9)
	Swing speed		rpm	9.0	9.0



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