Operation & Maintenance Manual

SEAM055301T

GALEO

PC40MR-2
PC50MR-2

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC40MR-8001 and up
PC50MR-5001

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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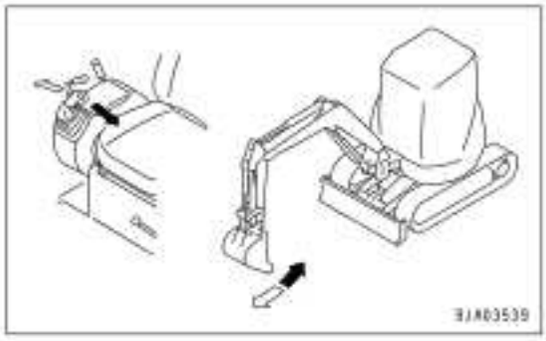
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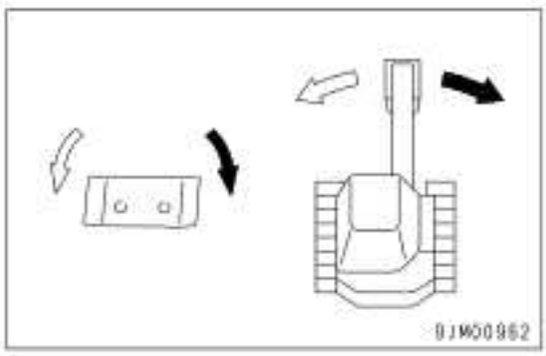
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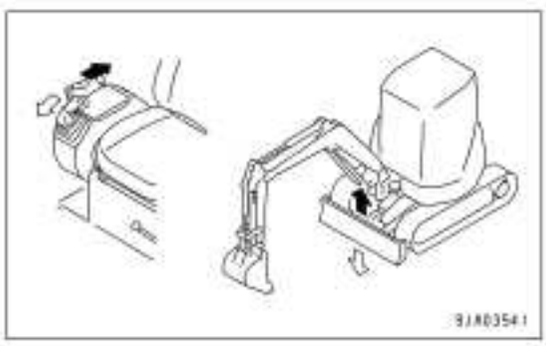
- Bucket control
  Move the right work equipment control lever to the left or right to operate the bucket.



- Boom swing operation
  The boom swing operation can be carried out with the boom swing control pedal.



- Blade control
  Move the lever on the right side of the operator's seat to the front or rear to operate the blade.



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MAINTENANCE INFORMATION

Do not carry out any inspection and maintenance operation that is not found in this manual.

Service Meter Reading
Check the service meter reading every day to see if the time has come for any necessary maintenance to be carried out.

Komatsu Genuine Replacement Parts
Use Komatsu genuine parts specified in the Parts Book as replacement parts.

Komatsu Genuine Lubricants
Use Komatsu genuine oils and grease. Choose oils and grease with proper viscosities specified for ambient temperature.

Windshield Washer Fluid
Use automobile window washer fluid, and be careful not to let any dirt get into it.

Fresh and Clean Lubricants
Use clean oil and grease. Also, keep the containers of the oil and grease clean. Keep foreign materials away from oil and grease.

Check Drained Oil and Used Filter
After oil is changed or filters are replaced, check the old oil and filters for metal particles and foreign materials. If large quantity of metal particles or foreign materials are found, always report to the person in charge, and carry out suitable action.

Fuel Strainer
If your machine is equipped with a fuel strainer, do not remove it while fueling.

Welding Instructions
- Turn off the engine starting switch.
- Do not apply more than 200V continuously.
- Connect grounding cable within 1m (3.3 ft) from the area to be welded. If grounding cable is connected near instruments, connectors, etc., the instruments may malfunction.
- If a seal or bearing happen to come between the welding part and grounding point, change the grounding point to avoid such parts.
- Do not use the area around the work equipment pins or the hydraulic cylinders as the grounding point.

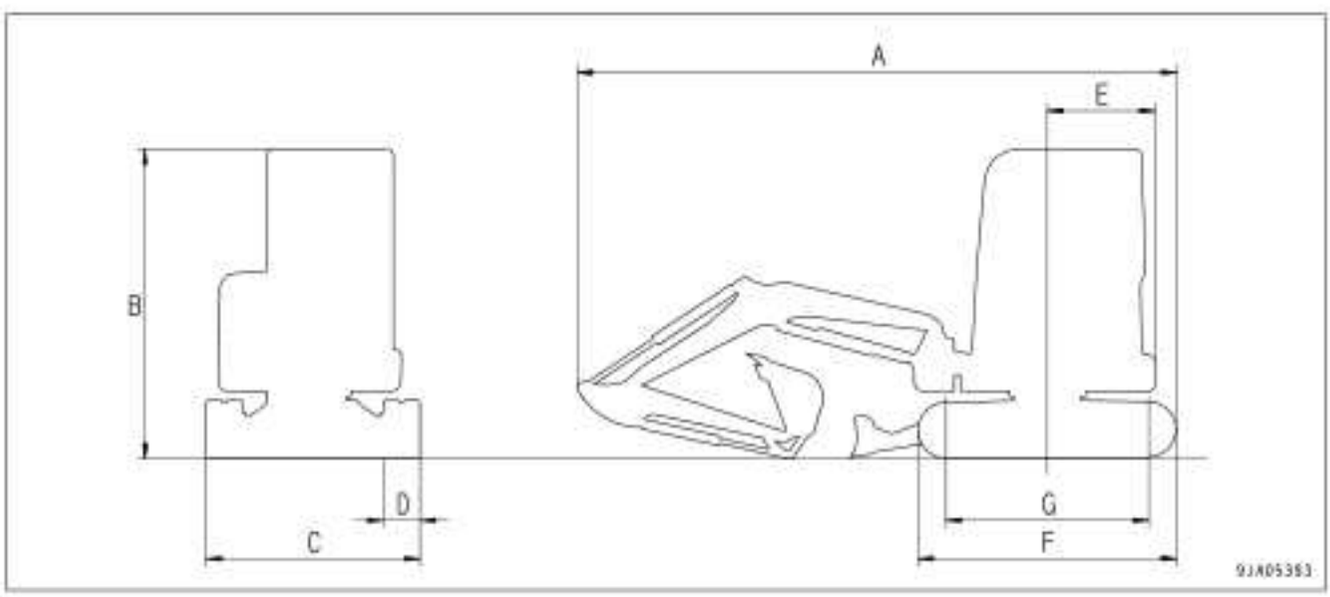
Do Not Drop Things Inside Machine
- When opening inspection windows or the oil filler port of the tank to carry out inspection, be careful not to drop nuts, bolts, or tools inside the machine.
  If such things are dropped inside the machine, it will cause damage and malfunction of the machine, and will lead to failure. If you drop anything inside the machine, always remove it immediately.
- Do not put unnecessary things in your pockets. Carry only things which are necessary for inspection.

Dusty Jobsite
When working at dusty worksites, do as follows:
- Inspect the air cleaner clogging monitor frequently to see if the air cleaner is clogged.
  Clean the air cleaner element at a shorter interval than specified.
- Clean the radiator core frequently to avoid clogging.

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SPECIFICATIONS

	Item		Unit	PC40MR-2 (With X weight)	PC50MR-2 (With X weight)
	Operating weight	Canopy specified	kg (lb)	4,790 (10,562)	5,040 (11,113)
		Cab specified		4,940 (10,893)	5,190 (11,444)
	Bucket capacity		m^3 (cu/yd)	0.14 (0.18)	0.16 (0.21)
	Name of engine		-	Komatsu 4D88E-5X diesel engine	
	Engine horsepower		KW (HP)/rpm	29.4 (39)/2,350	
A	Overall length		mm (ft in)	5,390 (17'8")	5,550 (18'3")
B	Overall height	Canopy specified	mm (ft in)	2,625 (8'7")	
		Cab specified		2,625 (8'7")	
C	Overall width		mm (ft in)	1,960 (6'5")	
D	Track width		mm (ft in)	400 (1'4")	
E	Radius of upper structure	Canopy specified	mm (ft in)	980 (3'3")	
		Cab specified		980 (3'3")	
F	Length of track		mm (ft in)	2,520 (8'3")	
G	Tumbler center distance		mm (ft in)	2,000 (6'7")	
	Min.ground clearance		mm (ft in)	320 (1'1")	
	Travel speed (Low/High)		km/h (MPH)	2.8 (1.7)/4.6 (2.9)	
	Continuous swing speed		rpm	9.0	



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