SEAM061700T

Operation & Maintenance Manual

MX502

HYDRAULIC EXCAVATOR

SERIAL NUMBERS **MX50 7038 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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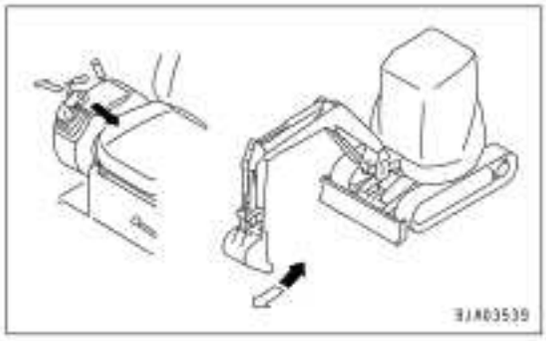
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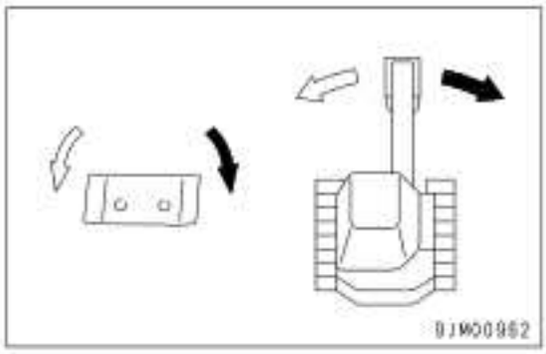
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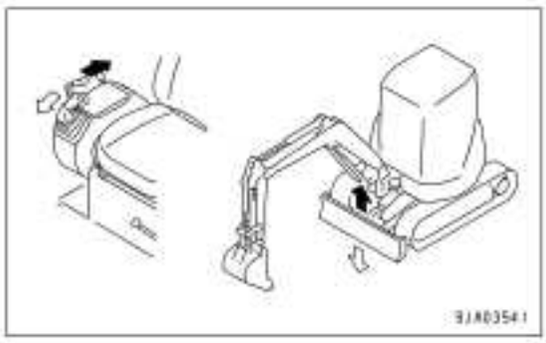
- Bucket control
  Move the right work equipment control lever to the left or right to operate the bucket.



- 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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LUBRICANTS, FUEL AND COOLANT SPECIFICATIONS

RESERVOIR	KIND OF FLUID	AMBIENT TEMPERATURE
		-22 -4 14 32 50 68 86 104 122°F -30 -20 -10 0 10 20 30 40 50°C
Engine oil pan	Engine oil	SAE 30 SAE 10W SAE 10W-30 SAE 15W-40
Final drive case		SAE 30
Hydraulic system		SAE 10W SAE 10W-30 SAE 15W-40
Fuel tank	Diesel fuel	ASTM D975 No.2 *1
Grease fiting	Grease	HYPER WHITE GREASE
Cooling system	Water	Add antifreeze

*1: ASTM D975 No.1

		Engine oil pan	Final drive case (each)	Hydraulic system	Fuel tank	Cooling system
Specified capacity	Liters	8.0	0.8	55	65	7.3
	US gal	2.11	0.21	14.53	17.17	1.93
Refill capacity	Liters	7.4	0.8	20	-	-
	US gal	1.96	0.21	5.28	-	-

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EVERY 2000 HOURS MAINTENANCE

Carry out the maintenance for EVERY 500 HOURS, and EVERY 1000 HOURS SERVICE at the same time.

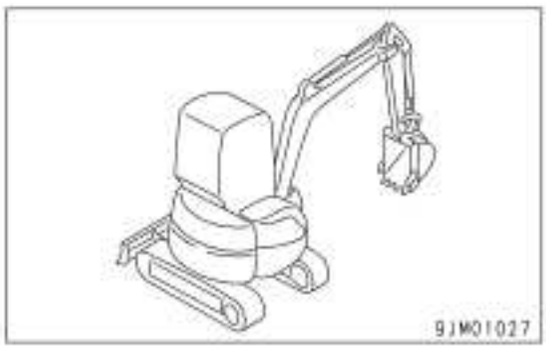
CHANGE OIL IN HYDRAULIC TANK, CLEAN STRAINER

⚠ WARNING

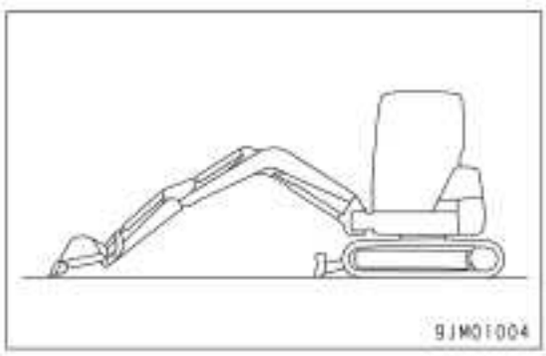
- **The parts and oil are at high temperature after the engine is stopped, and may cause burns. Wait for the temperature to go down before starting the work.**
- **When removing the oil filler cap, turn it slowly to release the internal pressure, then remove it.**

- Container to catch drained oil: Min. 20 liters (5.28 US gal) capacity
- Refill capacity: 20 liters (5.28 US gal)
- Prepare a handle (for the socket wrench).

1. Swing the upper structure so that the drain plug under the hydraulic tank will be between both tracks.

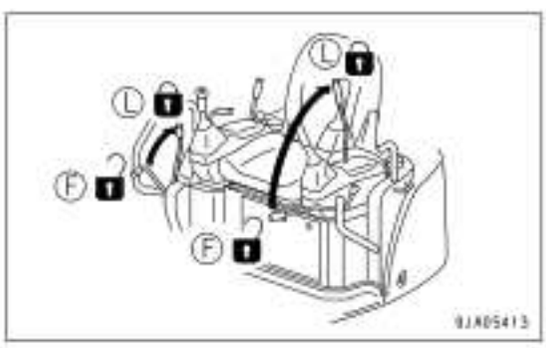


2. Retract the arm and bucket cylinders, then lower the boom and put the teeth in contact with the ground.
3. Lower the blade to the ground.



4. Set the safety lock lever to the LOCK position and stop the engine.

REMARK
For machines equipped with a cab, there is only a safety lock lever on the left.



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