Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC45MR-3
PC55MR-3

SERIAL NUMBERS PC45MR- 5001 and up
PC55MR-15001

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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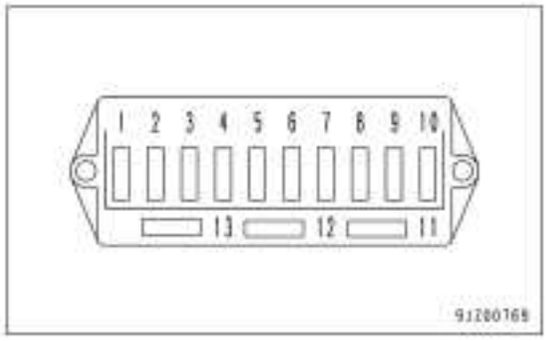
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Fuse Capacities and Circuit Names

• Fuse box (1)

No.	Fuse capacity		Name of circuit
	Canopy specification	Cab specification	
1	10A	30A	Working lamp
2	10A		Horn, Fuel pump
3	10A		Monitor panel, Buzzer, Speed boost solenoid
4	10A		OPT power supply (1)
5	10A	20A	Heater, Travel alarm buzzer, Air conditioner (Cab specification)
6	-	20A	Room lamp, Windshield wiper, Window washer, Cigarette lighter, Radio (Cab specification)
7	30A		Engine stop solenoid
8	10A		Power source battery, PPC solenoid
9	10A		OPT power supply (2)
10	-		-
11	30A		Spare
12	10A	20A	Spare
13	10A		Spare



• Fuse box (2)

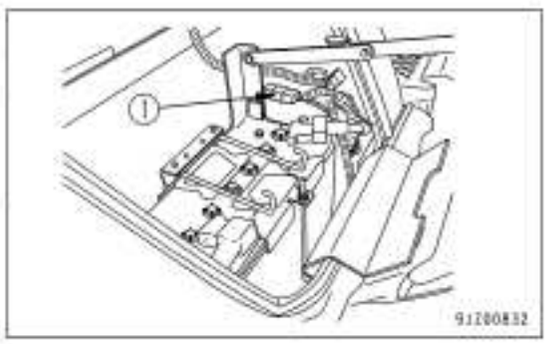
Fuse capacity	Name of circuit
10A	External power supply

BLOCK FUSE

If the starting motor does not turn even when the starting switch is turned to the ON position, block fuse (1) is probably blown, so open the cover at the right side of the machine and check or replace the fuse.

This is located above the top surface of the battery.

For details of the method of opening and closing the cover on the right side of the machine, see "MUD COVER (PAGE 3-28)".

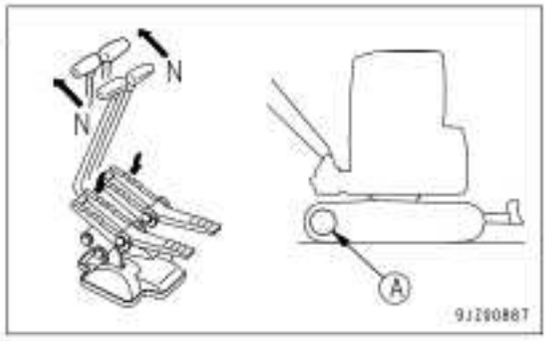


REMARK

A block fuse is a large fuse wire installed to the circuit where a large-capacity current is flowing. It acts in the same way as a normal fuse to protect the electrical equipment and wiring from burning out under abnormal current.

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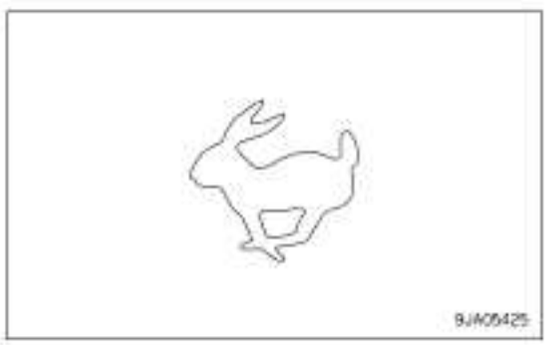
- When sprocket (A) is situated at the front of the machine;
  Start the machine either by pushing lever (3) forward slowly or by stepping on the front part of pedal (4) slowly.



4. Switch the travel speed as follows.
   - When the travel speed selector switch (5) is pressed, the travel speed can be switched between high speed and low speed.
     Each time the switch is pressed, the travel speed is switched between low speed and high speed.



- When the machine is traveling at high speed, travel speed boost monitor (6) lights up.
  For details of the travel speed values, see "SPECIFICATIONS (PAGE 5-2)".



REMARK

- When the engine is started, the travel speed is automatically set to low speed.
- When traveling at high speed, if the machine travels on soft ground or up a slope and the load increases, the travel is automatically switched to low speed travel, so there is no need to operate the switch. The travel speed boost monitor displays stays lighted up.
  When the load is reduced, the travel system returns to high speed travel.

5. Check that the travel alarm sounds.
   If the alarm does not sounds, please contact your Komatsu distributor for repairs.

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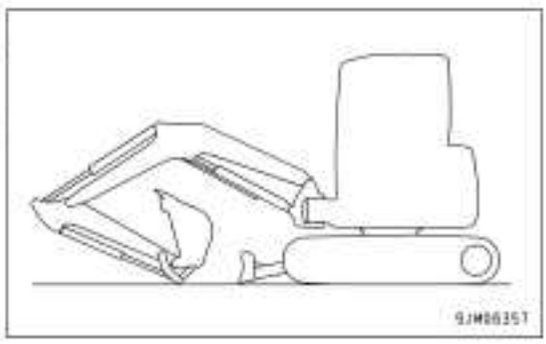
Lubricating Work Equipment

NOTICE

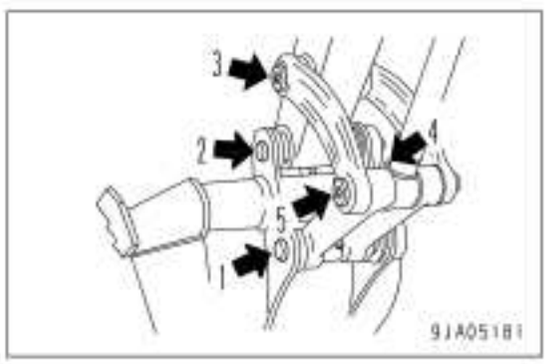
- **When breaking in a new machine, carry out lubrication every 10 hours for the first 100 hours of operation.**
- **If any abnormal sound comes from the greasing point, carry out greasing regardless of the inspection and maintenance interval.**
- **After carrying out digging work in water, always lubricate the pins that were under water.**

- Prepare a grease pump

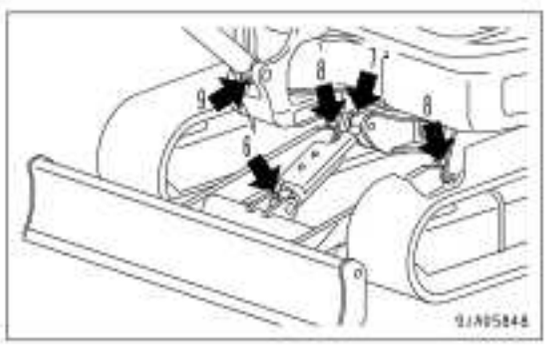
1. Set the machine to the greasing posture shown on the right diagram, lower the work equipment to the ground, then stop the engine.
2. Using a grease pump, pump in grease through the grease fittings shown by arrows.
3. After greasing, wipe off any old grease that was pushed out.



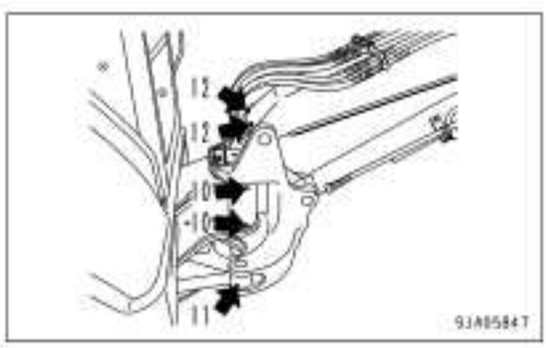
(1) Bucket - Link connecting pins (1 place)
(2) Arm - Bucket connection pin (1 place)
(3) Arm - Link coupling pin (1 place)
(4) Bucket cylinder rod end (1 place)
(5) Link coupling pin (1 place)



(6) Blade cylinder foot pin (1 place)
(7) Blade cylinder rod end (1 place)
(8) Blade foot pin (2 places)
(9) Boom cylinder foot pin (1 place)



(10) Boom swing bracket pin (2 places)
(11) Boom swing cylinder rod end pin (1 place)
(12) Boom foot pin (2 places)



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