SEAM018501

Operation & Maintenance Manual

avance LOADER

WA700-3

WHEEL LOADER

SERIAL NUMBERS **WA700-50010** 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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11.13 FUSE

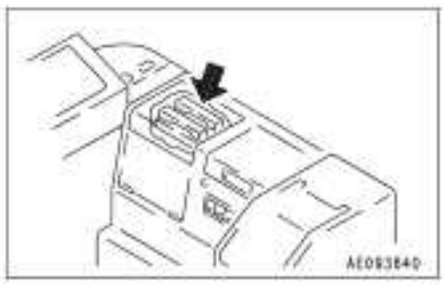
NOTICE

Before replacing a fuse, be sure to turn off the starting switch.

The fuses protect the electrical equipment and wiring from burning out.

If the fuse becomes corroded, or white powder can be seen, or the fuse is loose in the fuse holder, replace the fuse.

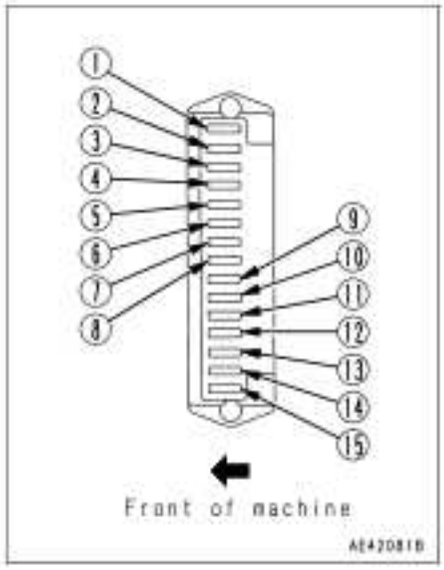
Replace a fuse with another of the same capacity.



11.13.1 FUSE CAPACITY AND NAME OF CIRCUIT

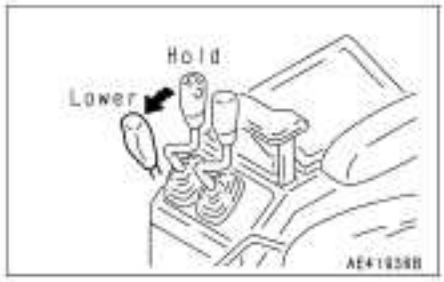
Fuse box I

No.	Fuse capacity	Name of circuit
①	20A	Main lamp circuit
②	20A	Backup lamp, brake lamp
③	10A	Turn signal indicator lamp
④	10A	R.H. head lamp
⑤	10A	L.H. head lamp
⑥	10A	R.H. side clearance lamp
⑦	10A	L.H. side clearance lamp
⑧	10A	Parking brake
⑨	10A	Transmission control
⑩	10A	Instrument panel
⑪	10A	Work equipment positioner
⑫	10A	Starting switch
⑬	20A	Hazard lamp
⑭	10A	Engine controller
⑮	10A	Auto-greasing (if equipped)

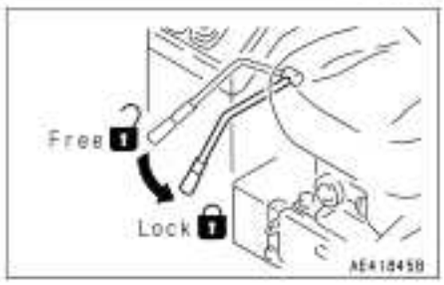


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4. Operate lift arm control lever ⑤ to lower the bucket to the ground.



5. Lock lift arm control lever ⑤ and bucket control lever ⑥ with safety lock ⑦.



12.14 CHECKS AFTER COMPLETION OF OPERATION

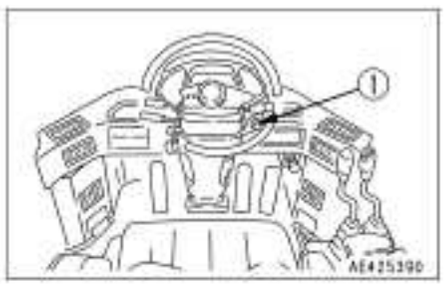
Check the engine water temperature, engine oil pressure, torque converter oil temperature, and fuel level with the meter and lamps. If the engine has overheated, do not stop it suddenly. Run the engine at a midrange speed to allow the engine to cool down before stopping it.

12.15 STOPPING ENGINE

NOTICE

If the engine is abruptly stopped before it has cooled down, engine life may be greatly shortened. Consequently, do not abruptly stop the engine apart from an emergency.

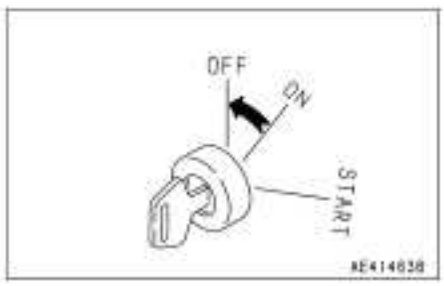
In particular, if the engine has overheated, do not abruptly stop it but run it at medium speed to allow it to cool gradually, then stop it.



1. Run the engine at low idling speed for about 5 minutes to allow it to gradually cool down.

2. Turn the key in starting switch ① to the OFF position and stop the engine.

3. Remove the key from starting switch ①.



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31. HANDLING AUTO-GREASING SYSTEM

1. Check that a pail or grease is in the grease pump case. If there is not sufficient grease in it, supply new grease.

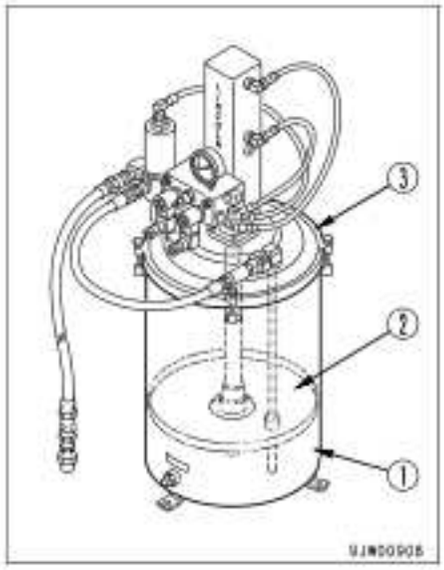
2. Check that grease does not leak from the piping between the pail or grease pump case ① and follower plate ②.

NOTICE

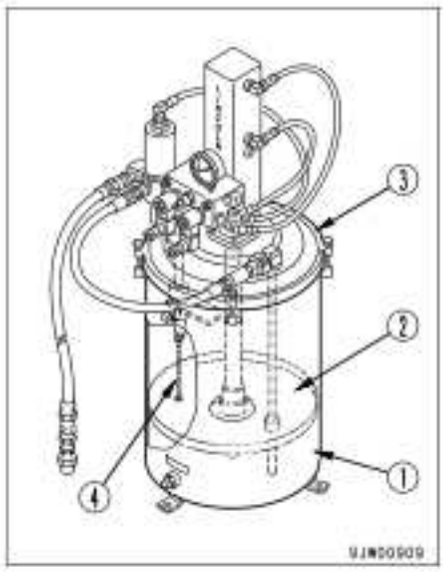
If follower plate ② is not used, pump ③ cannot suck up the grease even if there is sufficient grease in the pail. Accordingly, do not remove follower plate ②.

The pails of the following sizes are available. Use follower plate ② of the proper size for each size of the pail.

Part No. of follower plate	Applicable pail	Level gauge
427-S95-2510	Inside diameter of pail ø275 – ø290 mm	427-S95-2570
427-S95-2520	When pail is not used	



For applicable combinations of pails, follower plates ② and level gauges ④, see the above table.



3. Turn the starting switch ON and check that lamp ⑤ on the monitor panel lights up.



Lighting: Normal
When the auto-greasing system is turned on and it has no abnormalities, or when the grease pump operates to supply grease and the grease supply line pressure reaches the specified level, the indicator lamp lights up.

Flashing: When any wire in the electric circuit is broken or when the supply line pressure drops below the specified level while the grease pump is operating, the indicator lamp flashes.
The lamp flashes after the pump starts operation until the supply line pressure reaches the specified level, but it lights up when the pressure reaches the specified level. This does not indicate trouble.
If the lamp does not stop flashing (does not light up), there is trouble with the machine. In such cases, stop the machine immediately and consult your Komatsu distributor.

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