CEAM018404

Operation & Maintenance Manual

WA480-6

WHEEL LOADER

SERIAL NUMBERS WA480-6 A38001 and up

ENGINE 6D125E-5

March 2016

KOMATSU®

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OPERATION

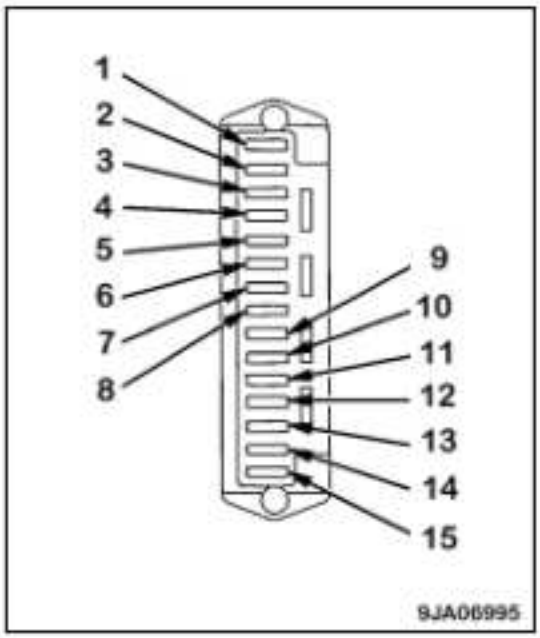
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Fuse Capacity and Name of Circuit

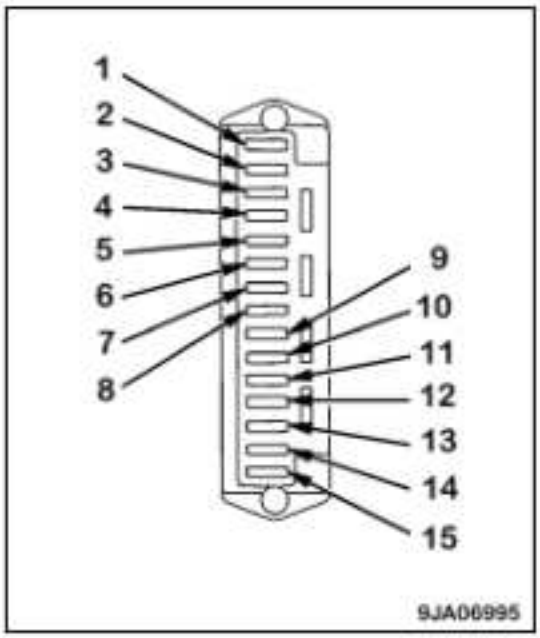
Fuse Box A

No.	Fuse Capacity	Name of Circuit
(1)	10A	Left front lamp
(2)	10A	Right front lamp
(3)	10A	Left clearance lamp
(4)	10A	Right clearance lamp
(5)	20A	Main lamp circuit
(6)	10A	Instrument panel B Load meter printer (if equipped)
(7)	5A	Air conditioner B
(8)	20A	Air conditioner A
(9)	20A	Wiper, washer
(10)	10A	Backup lamp, brake lamp
(11)	10A	Work equipment positioner Work equipment controller A (if equipped)
(12)	5A	Emergency steering (if equipped)
(13)	5A	Parking brake
(14)	10A	Transmission control A
(15)	10A	Horn



Fuse Box B

No.	Fuse Capacity	Name of Circuit
(1)	5A	Engine control B
(2)	20A	Rear heated wire glass
(3)	10A	Air suspension seat
(4)	20A	Yellow rotating lamp (if equipped)
(5)	10A	Turn signal indicator
(6)	20A	Car radio, cigarette lighter, 12V power source
(7)	10A	Rear working lamp
(8)	10A	Front working lamp
(9)	10A	Spare 1
(10)	30A	Engine control A
(11)	5A	Transmission control B Work equipment controller B (if equipped)
(12)	10A	Room lamp
(13)	10A	Instrument panel A KOMTRAX
(14)	10A	Hazard lamp
(15)	20A	Starting switch



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Operation of Work Equipment

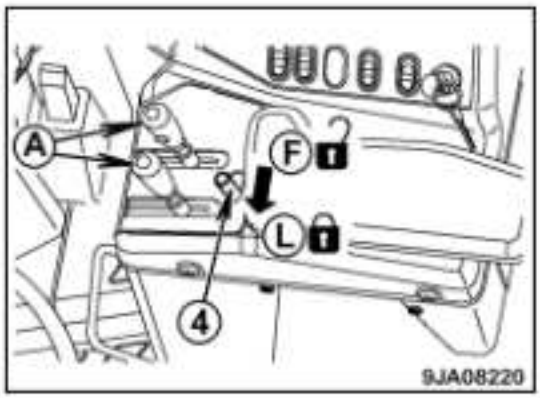
⚠ WARNING

- When standing up from the operator's seat, always set the work equipment lock lever securely to the LOCK position. If the work equipment lock lever is not locked and work equipment control lever (A) is touched by mistake, this may lead to serious personal injury.
- If the work equipment lock lever is not set securely to LOCK position (L), the work equipment may move and cause serious personal injury. Check that the work equipment lock lever is at the position shown in the graphic.
- When pulling the work equipment lock lever up or pushing

Work Equipment Lock Lever

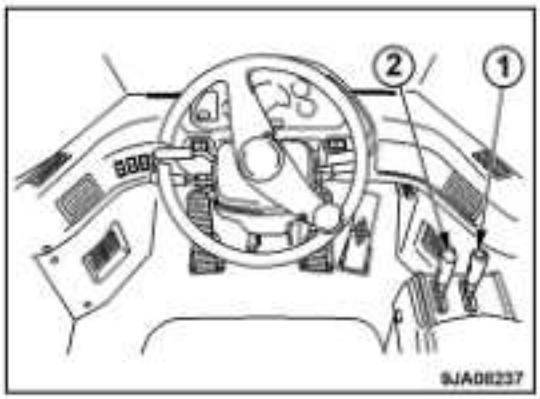
Work equipment lock lever (4) is a lock device for work equipment control levers (A).

- Pull the work equipment lock lever towards the center of the machine to set it to the LOCK position (L).

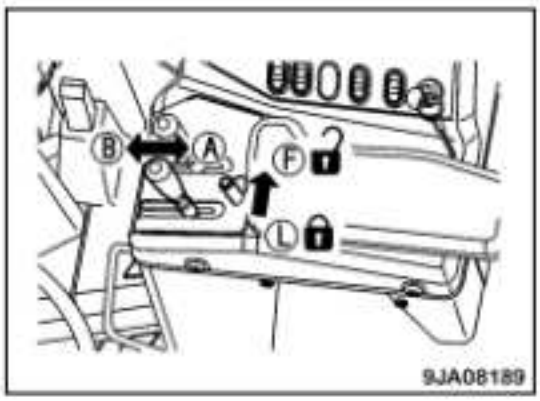


Lift Arm Control Lever

Lift arm control lever (1) is used to operate the lift arm.



Set the work equipment lock lever to the FREE position (F) before operating the control lever.



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Every 1000 Hours Service

★ Maintenance for every 50, 100, 250, and 500 hours service should be performed at the same time.

Replace Fuel Main Filter Cartridge

⚠ WARNING

- After the engine has been operated, all parts are very hot. Do not replace the filter immediately. Wait for all parts to cool down before starting the operation.
- High pressure is generated inside the engine fuel piping system when the engine is running. When replacing the filter, wait for at least 30 seconds after stopping the engine to let the internal pressure go down, before replacing the filter.
- Do not bring any fire or flame close.

Remark

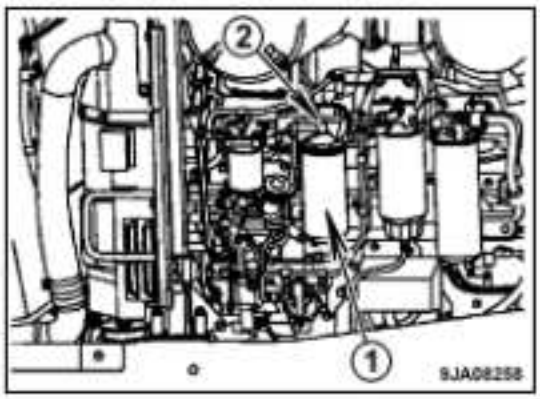
Genuine Komatsu fuel filter cartridges use a special filter that has a highly efficient filtering ability. When replacing the filter cartridge, always use a genuine Komatsu part.

The common rail fuel injection system used on this machine consists of more precise parts than the conventional injection pump and nozzle.

If any part other than a genuine Komatsu filter cartridge is used, dust or dirt may get in and cause problems with the injection system. Never use substitute parts.

When carrying out inspection or maintenance of the fuel system, pay more attention than normal to the entry of dirt. If dirt is stuck to any part, use fuel to wash it off completely.

★ If it is necessary to replace the fuel prefilter cartridge, see "Replace Fuel Prefilter Cartridge" on page 3-68.



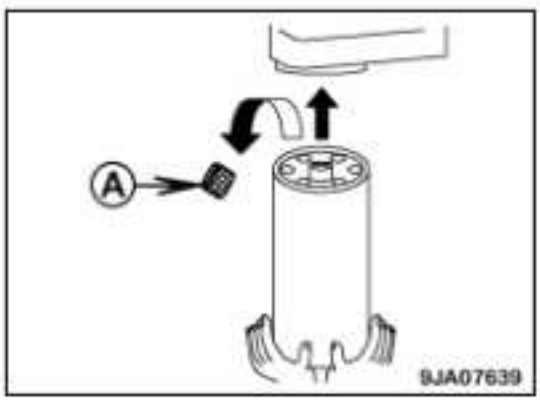
Required

- Container to catch oil
- Filter wrench

1. Stop the engine.
2. Open the engine side cover on the right side of the chassis.
3. Set the container to catch the fuel under the filter cartridge.
4. Using a filter wrench, turn filter cartridge (1) counterclockwise to remove it.
5. Clean the filter holder.
6. Check that cap (A) is installed on the new filter cartridge.

Remark

Cap (A) prevents dirt from getting into the filter cartridge



7. Coat the packing surface of the new filter cartridge with oil.
   ★ Do not fill the fuel main filter cartridge with fuel.
8. Remove filter cartridge cap (A) and discard it.

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