TEN00124-05

# Operation & Maintenance Manual

WHEEL LOADER **WA480-6**

SERIAL NUMBERS 85001 and up

ecot3

**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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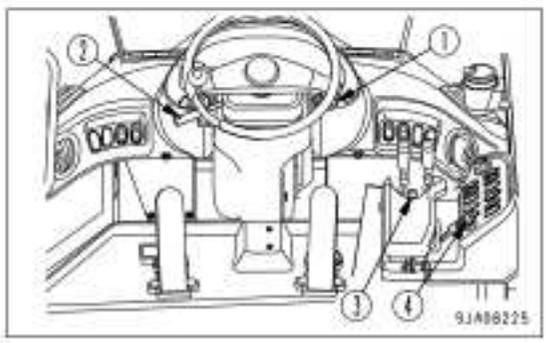



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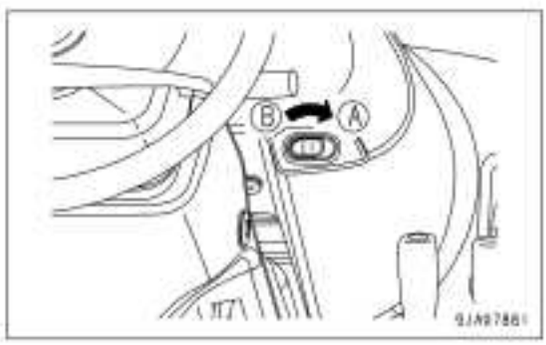
## OPERATIONS AND CHECKS BEFORE STARTING ENGINE

**⚠ WARNING**

**When starting the engine, check that the work equipment lock lever are placed securely at the LOCK position. If the work equipment control lever is touched by accident when the engine is started, the work equipment may move unexpectedly and cause serious injury or damage.**




1. Check that parking brake switch (1) is at the ON position (A).

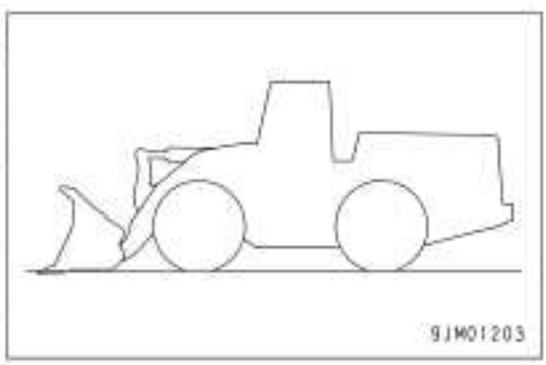



2. Check that directional lever (2) is at the Neutral position (N).

**REMARK**
If directional lever is not set to the Neutral position (N), the engine will not start.




3. Check that the bucket is completely lowered to the ground.
   If it is not completely lowered, lower the bucket to the ground as follows.
   1) Check that the work equipment control lever is at the HOLD position, then set the work equipment lock lever to the FREE position.
   2) Operate the work equipment control lever to lower the bucket to the ground.
   3) Check that the work equipment control lever is at the HOLD position, then set the work equipment lock lever to the LOCK position.






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## EVERY 1000 HOURS SERVICE

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

## REPLACE FUEL MAIN FILTER CARTRIDGE

**⚠ WARNING**

- **After the engine has been operated, all parts are at high temperature, so 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.**

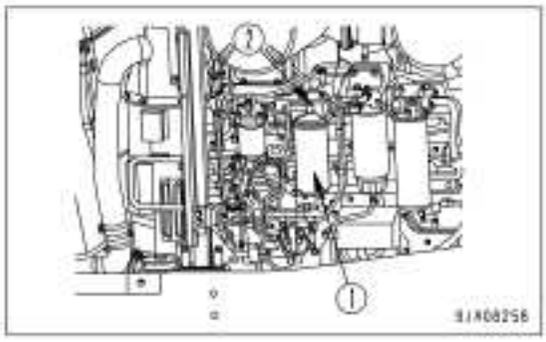
**NOTICE**

- **Genuine Komatsu fuel filter cartridges use a special filter that has 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. Always avoid using 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.**

- Container to catch the oil
- Prepare a filter wrench

After replacing the fuel pre-filter cartridge, replace the main fuel filter cartridge also.

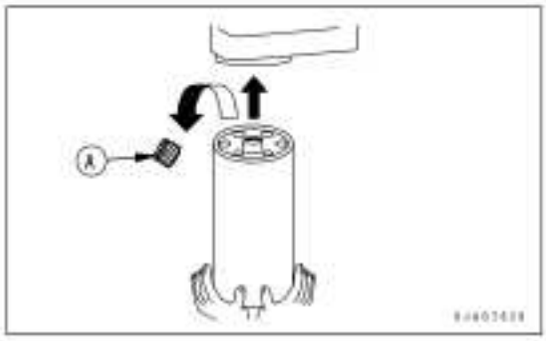
1. Set the container to catch the fuel under the filter cartridge.
2. Using a filter wrench, turn filter cartridge (1) counterclockwise on remove it.
3. Clean the filter holder, coat the packing surface of the new filter cartridge thinly with oil, then install the filter cartridge to the filter holder.




**NOTICE**

**Do not fill the fuel main filter cartridge with fuel.**

**Cap (A) is installed to prevent dirt from entering the inside of the filter cartridge.**






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(D) Setting seat for weight
Pull lever (3) up fully (pull it until a click can be felt). When the lever is released, the weight adjustment is carried out automatically. To ensure that the weight adjustment is carried out correctly, the operator should sit in the normal operating position when operating the lever. If the operator raises his body from the seat or changes the amount of weight applied to the seat during adjustment, the air in the suspension may be discharged.
When operators change shifts, the new operator should pull lever (3) up fully (pull it until a click it is felt). When the lever is released, the weight adjustment is carried out automatically.
If lever (3) is pulled lightly, the weight adjustment starts, but always pull the lever up fully (pull it until a click is felt) before releasing it.

**REMARK**

- When making initial adjustment or when adjusting the weight settings when operators change shifts, set the damping force of the suspension damper to the soft setting (for details, see "Adjusting hardness of suspension damper"), then adjust it to match the operator's weight. If the damping force of the suspension damper is left set to the hard setting and the height of the seat is adjusted, even if the height is raised, the seat may go down. If the seat goes down, set the damping force of the suspension damper to the soft setting, lower the seat, then adjust the weight again. After completing adjustment of the weight and height, set the damping force of the suspension damper to the desired strength.
- To protect the operator, the suspension must be adjusted to match the operator's weight. Adjust the weight before starting operations.
- When adjusting, do not remove your weight from the seat or change the load in any other way. If this is done, the air may be released from the suspension's seat.

(E) Fore-and-aft adjustment of seat cushion
Operate lever (4) up, set the seat cushion to the desired position, then release the lever.
Fore-and-aft adjustment: 60 mm (2.4 in)

(F) Adjusting reclining angle
Operate lever (5) up and move the back cushion to the front or rear.
But your back firmly against the seat back when carrying out this adjustment. If you move your back away from the seat back, the seat back may suddenly spring forward.
Amount of adjustment
Forward tilt: 10 degrees (over 10 degrees is free)
Rear tilt: 36 degrees

**NOTICE**

**If the seat back is reclined too far, the seat back may hit the rear glass, so use it in a position where it does not contact the glass.**

(G) Adjusting headrest angle
Rotate the backrest to the front or rear and set to the desired angle.
Amount of adjustment: 38 degrees

(H) Adjusting headrest height
Move the headrest up or down and set to the desired height.
Amount of adjustment: 100 mm (3.9 in)

(J) Lumbar support
Turn the knob (6) to the right or left to give the suitable amount of lumbar support.



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