TEN00315-04

Operation & Maintenance Manual

WHEEL LOADER **WA480-6**

SERIAL NUMBERS 85390 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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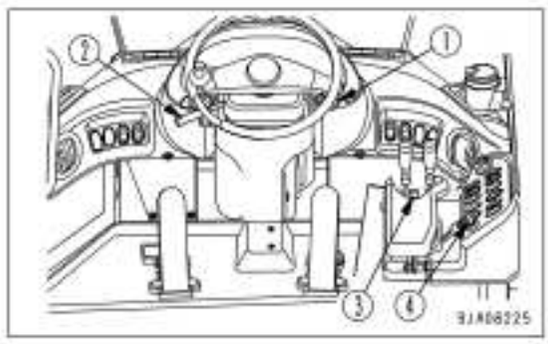
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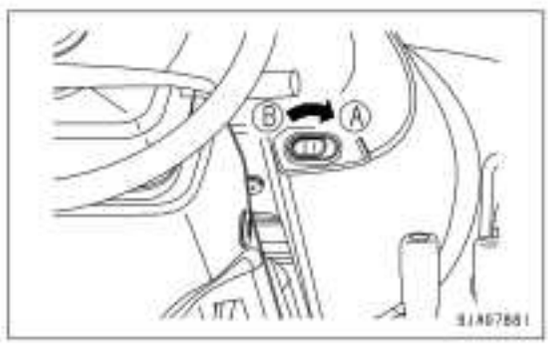
OPERATIONS AND CHECKS BEFORE STARTING ENGINE

⚠ 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).

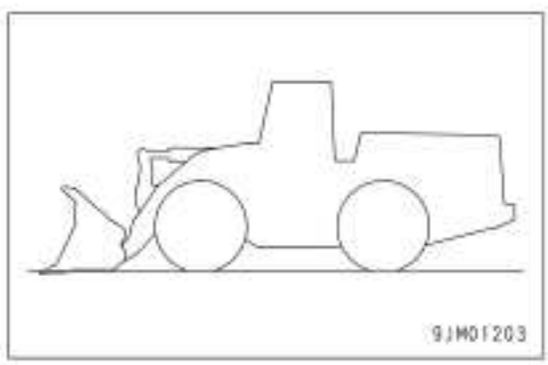


2. Check that directional lever (2) is at the Neutral position (N).

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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REPLACE FUEL PRE-FILTER CARTRIDGE

⚠ WARNING

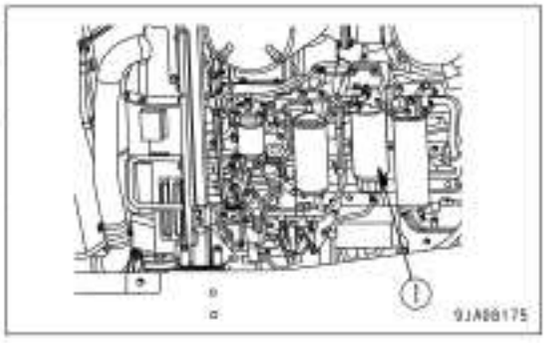
- After the engine has been operated, all parts are at high temperature, so do not replace the filter immediately. Wait for all parts to cool down before starting the operation.
- High pressure is generated inside the engine fuel piping system when the engine is running.
  When replacing the filter, 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.

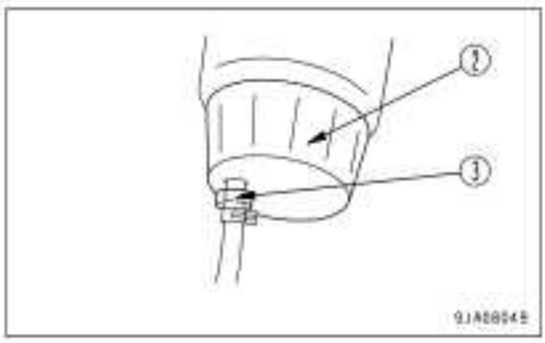
NOTICE

- 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

1. Open the engine side cover on the right side of the chassis.
2. The fuel pre-filter forms one unit with the water separator and is installed at the center of the engine.
3. Set a container to catch the oil under filter cartridge (1).
4. Using the filter wrench, turn cap (2) of the water separator to the left to remove it. (This cap is used again. If it is damaged or broken, replace it with a new part.)
5. Using a filter wrench, turn the filter cartridge (1) to the left to remove it.
6. Install cup (2) to the bottom of the new fuel pre-filter cartridge.
   When doing this, always replace the seal ring with a new part.
   Tightening torque for cup: 10 Nm {1.0 kgm}
   When replacing the seal ring, coat the surface with clean fuel before installing it.
7. Check that drain plug (3) at the bottom of cup (2) of the fuel pre-filter is tightened securely.
   Tightening torque: 0.2 - 0.45 Nm {0.02 - 0.046 kgm}
8. Clean the filter holder.

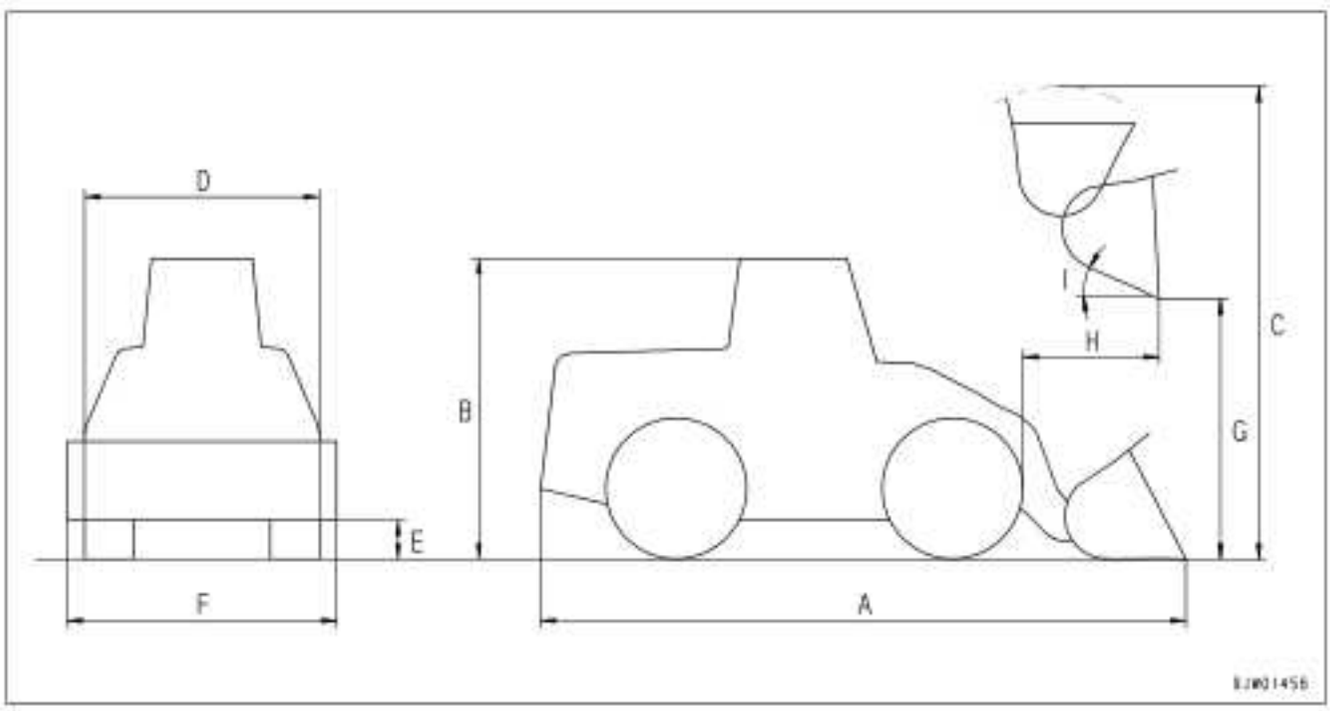




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SPECIFICATIONS

	Item			Unit	WA480-6 standarad specification machine (when using POWER mode)
	Machine weight			kg (lb)	24,245 (53,460)
	Normal load			kg (lb)	7,820 (17,243)
	Bucket capacity	Heaped		m^3(cu.yd)	4.6 (6.0)
	Engine model			-	Komatsu SAA6D125E-5 diesel engine
	Flywheel horse power			kW (HP)/rpm	223 (299)/2,000
A	Overall length			mm (ft in)	9,170 (30' 1")
B	Overall height			mm (ft in)	3,500 (11' 6")
C	Max.dimension when shaking bucket			mm (ft in)	6,175 (20' 3")
D	Overall width			mm (ft in)	3,010 (9'11")
E	Min. ground clearance			mm (ft in)	525 (1' 9")
F	Bucket width			mm (ft in)	3,170 (10' 5")
G	Clearance	Cutting edge [BOC tip]		mm (ft in)	3,300 (10' 10") [3,205 (10' 6")]
H	Reach	Cutting edge [BOC tip]		mm (ft in)	1,370 (4' 6") [1,410 (4' 8")]
I	Dump angle			degrees	45
	Min. turning radius	Out of chassis		mm (ft in)	7,700 (25' 3")
		Center of out side tire		mm (ft in)	6,630 (21' 9")
	Permissible towing load			kN (kg)	137 (13,930)
	Travel speed	Forward	1st	km/h (MPH)	6.3 (3.9)
			2nd	km/h (MPH)	12.2 (7.6)
			3rd	km/h (MPH)	21.7 (13.5)
			4th	km/h (MPH)	34.5 (21.4)
		Reverse	1st	km/h (MPH)	6.6 (4.1)
			2nd	km/h (MPH)	12.9 (8.0)
			3rd	km/h (MPH)	22.9 (14.2)
			4th	km/h (MPH)	35.6 (22.1)



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