Operation & Maintenance Manual

PEN00045-01

GALEO

HM350-1

ARTICULATED DUMP TRUCK

SERIAL NUMBERS HM350-1126 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.

KOMATSU

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METHOD OF OPERATION

Switch / Condition of use		Fan switch	Air conditioner switch	Temperature control switch	RECIRC/FRESH selector switch	Mode selector switch
Cooling	Rapid	HI	ON	All green	RECIRC	FACE
	Normal	HI - LO	ON	More than half are green	FRESH	FACE
Dehumidifying, heating		HI - LO	ON	More than half are red	FRESH	FOOT
Heating	Rapid	HI	OFF	All red	RECIRC	FOOT
	Normal	HI - LO	OFF	More than half are red	FRESH	FOOT
Defroster		HI	ON	More than half are red	FRESH	DEF
Vetilation or pressurizing		HI - LO	OFF	All green	FRESH	FACE

When carrying out the defrosting, if the temperature control switch is set so that all lamps are red, this will improve the performance for defrosting and demisting.
With the FACE vents, it is possible to adjust the direction of the air flow and to turn it on or off.
However, do not set to the FACE mode with the vents closed.

- WHEN NOT USING THE AIR CONDITIONER REGURARLY
  To lubricate each part of the compressor, operate cooling, dehumidifying and heating for 3 to 5 minutes once a month at low idle. Also, check the amount of cooling gas twice a year.

REMARK
If the temperature inside the cab is low, the air conditioner may not work. In such cases, use the recirculated air to warm up the inside of the cab, then turn the air conditioner switch on. The air conditioner will be run.

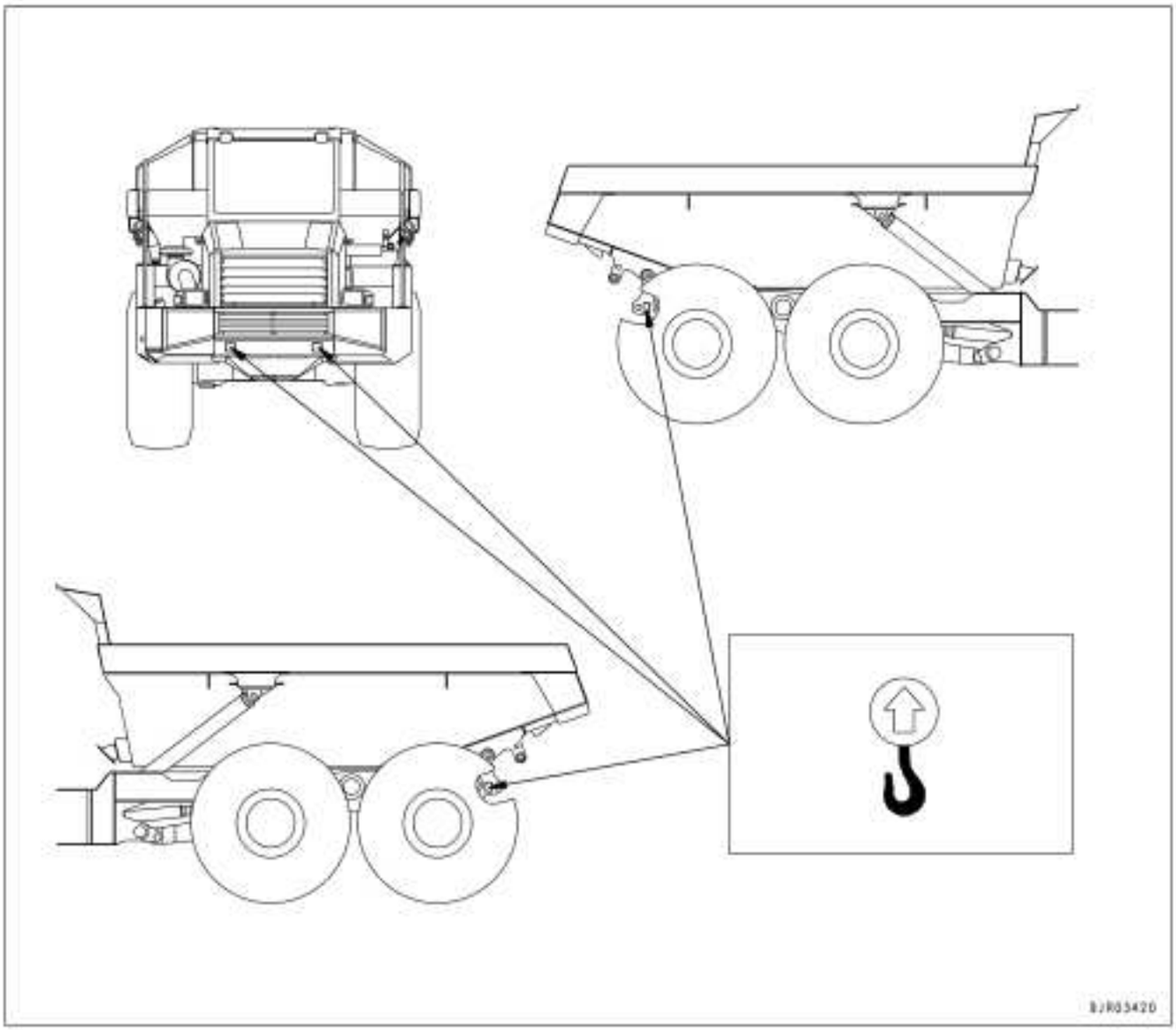
PRECAUTIONS WHEN USING AIR CONDITIONER

Carry out ventilation from time to time when using the cooling.
- If you smoke when using the air conditioner in the RECIRC mode, your eyes may start to itch or burn. Ventilate the cab ever so often to remove the smoke.
- When using the air conditioner for a long period of time, carry out ventilation process at least once every hour.

Be careful not to cool the cab too much.
When using the air conditioner, it is recommended for health reasons, that it should only feel slightly cooler (5 or 6 °C (9 or 10.8°F) lower than the outside temperature) when you enter the cab.
Therefore, adjust the temperature to a suitable level.

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LOCATION OF LIFTING POSITION MARK



WEIGHT TABLE

	Machine weight	Front wheel load	Center wheel load	Rear wheel load	Center of gravity (from front axle)
HM350-1	29,170 kg (64,320 lb)	16,090 kg (35,478 lb)	6,540 kg (14,421 lb)	6,540 kg (14,421 lb)	2,365 mm (7 ft 9 in)

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EVERY 1000 HOURS SERVICE

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

REPLACE FUEL FILTER CARTRIDGE

⚠ WARNING

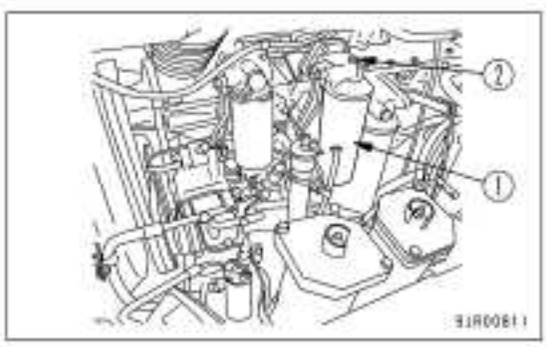
- **Immediately after the engine is stopped, all parts are at high temperature, so do not replace the filter immediately. Wait for the engine to cool down before starting the operation.**
- **The inside of fuel piping system of the engine is under high-pressure when the engine is running. When replacing the filter, wait for at least 30 seconds after the engine stops to let the internal pressure go down before replacing the filter.**
- **Do not bring any fire or spark close.**
- **Be careful when opening the air bleed plug at the fuel filter head and the air bleeder of the supply pump. The system is still under pressure and fuel may spurt out.**

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.**

- Filter wrench

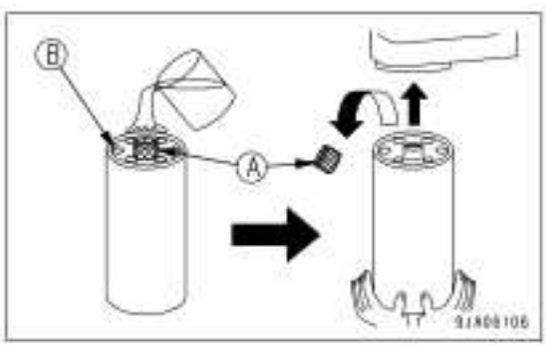
1. Set the container to catch the fuel under the filter cartridge.
2. Using a filter wrench, turn filter cartridge (1) counterclockwise on remove it.
3. Clean the filter holder.



NOTICE

When filling the filter cartridge with fuel, carry out the filling operation with cap (A) fitted.
Cap (A) acts to prevent the entry of dirt or dust into the filter cartridge.

4. Fill the filter cartridge with clean fuel through the 8 small holes (B) in the new filter cartridge.
5. Coat the packing surface of the filter cartridge with oil.
6. Remove filter cartridge cap (A) and install to the filter holder.
7. When installing, tighten until the packing surface contacts the seal surface of the filter holder, then tighten it up 1/2 to 3/4 of a turn.
   If the filter cartridge is tightened too far, the packing will be damaged and this will lead to leakage of fuel. If the filter cartridge is too loose, fuel will also leak from the packing, so always tighten to the correct amount.
8. After replacing filter cartridge (1), loosen air bleed plug (2).



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