PEN00687-00

# Operation & Maintenance Manual

MOTOR GRADER **GD705-5**

SERIAL NUMBERS 26001 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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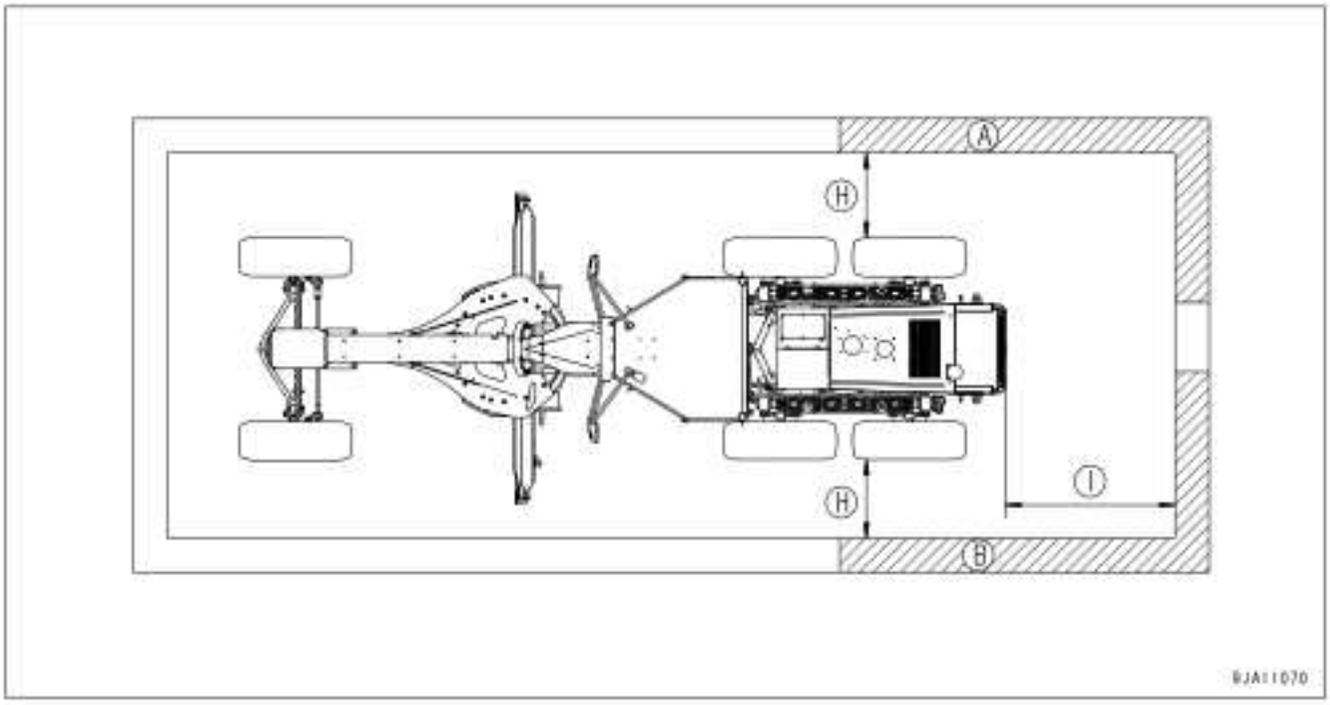



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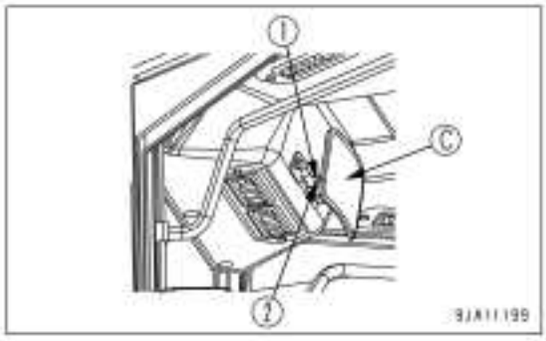
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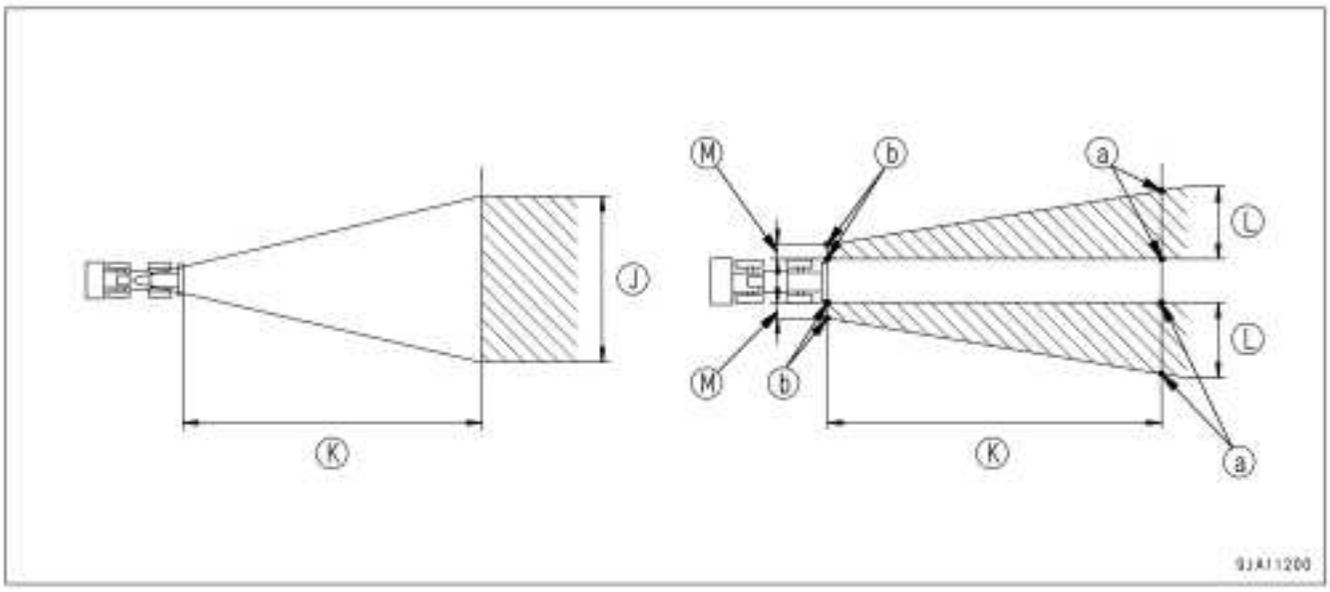
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- Visible range
  Mirror (C):
  - The ground surface of 10 m (32 ft 10 in) width at 30 m (98 ft 5 in) distance to the rear of the machine can be seen.
  - The position (a) (In 5 m (16 ft 5 in) width of ground surface at 30 m (98 ft 5 in) far from the rear of the machine) can be seen from the position (b) (at 1.5 m (4 ft 11 in) height and 0.75 m (2 ft 6 in) width of ground surface) at the rear of the machine.



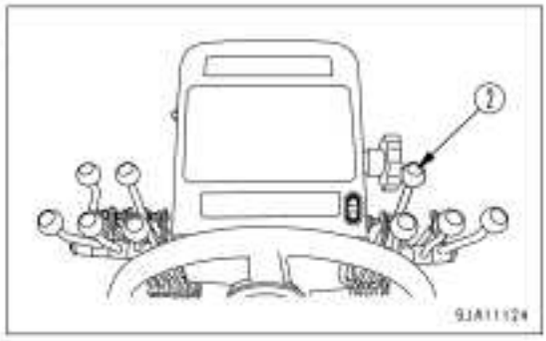

(J) 10 m (32 ft 10 in)
(K) 30 m (98 ft 5 in)
(L) 5 m (16 ft 5 in)
(M) 0.75 m (2 ft 6 in)

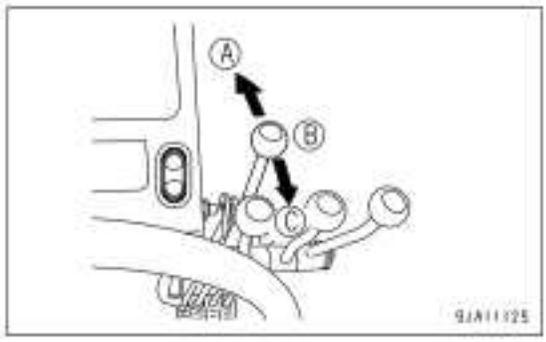


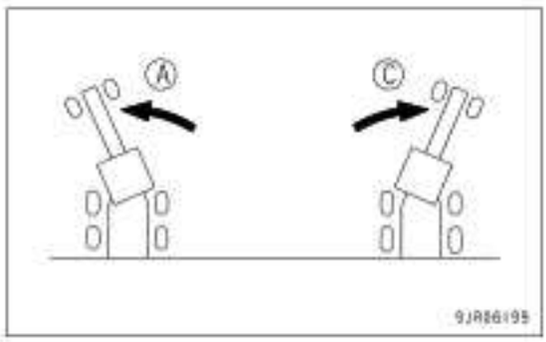



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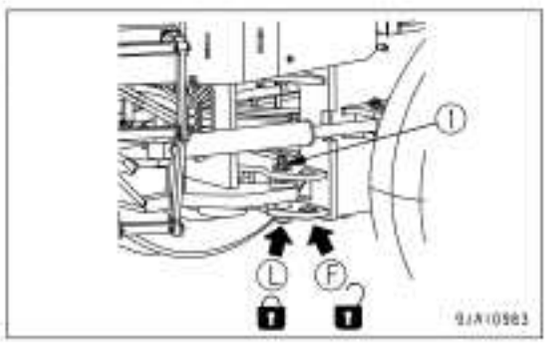
2. When articulation control lever (2) is pushed forward (A), the machine articulates to the left; when it is pulled back (C), the machine articulates to the right.




3. When not operating the articulation, set the front frame and rear frame straight.
Align the pin holes, and insert pin (1) to lock position (L) to fix the front and rear frames in the original position.

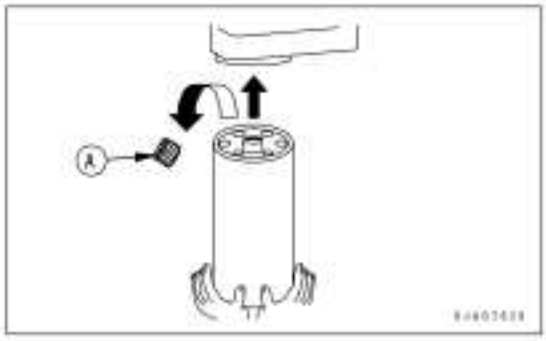





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**NOTICE**
**Do not fill the filter cartridge with fuel.**
**Cap (A) is installed to prevent dirt from entering the inside of the filter cartridge.**

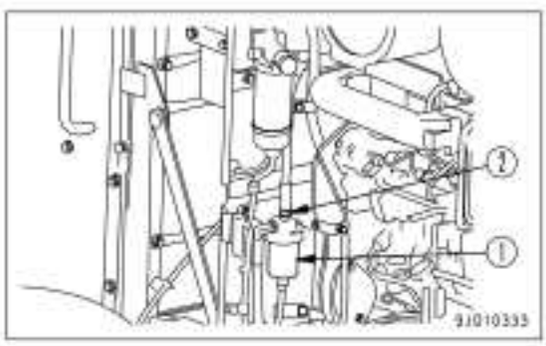
5. Coat the packing surface of the filter cartridge with oil.




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 head, then tighten it 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 the correct amount.
8. After completing replacement of filter cartridge (1), bleed the air from the system. For details, see "PROCEDURE FOR BLEEDING AIR (PAGE 4-63)".
9. After completing the air bleeding, start the engine and check that there is no leakage of fuel from the filter seal surface. If there is any leakage, check the tightening condition of the filter cartridge. If there is still fuel leakage, repeat Steps 1 to 3 to remove the filter cartridge, then check the packing surface for damage or embedded dirt. If any damage or embedded dirt is found, replace the cartridge with a new part and repeat Steps 4 to 8 to install it.

## PROCEDURE FOR BLEEDING AIR

1. Fill the fuel tank with fuel.
2. Open the engine side cover on the right side of the machine.
3. Loosen and pull out feed pump knob (1) and move it forward and backward.
   - The plug on the side surface of the fuel prefilter head does not need to be removed.
   - Keep moving knob (1) until it becomes heavy.
4. After bleeding air, push in and tighten knob (1).






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