TEN00268-04

# Operation & Maintenance Manual

BULLDOZER

**D39EX -22**
**D39PX -22**

SERIAL NUMBERS 3001 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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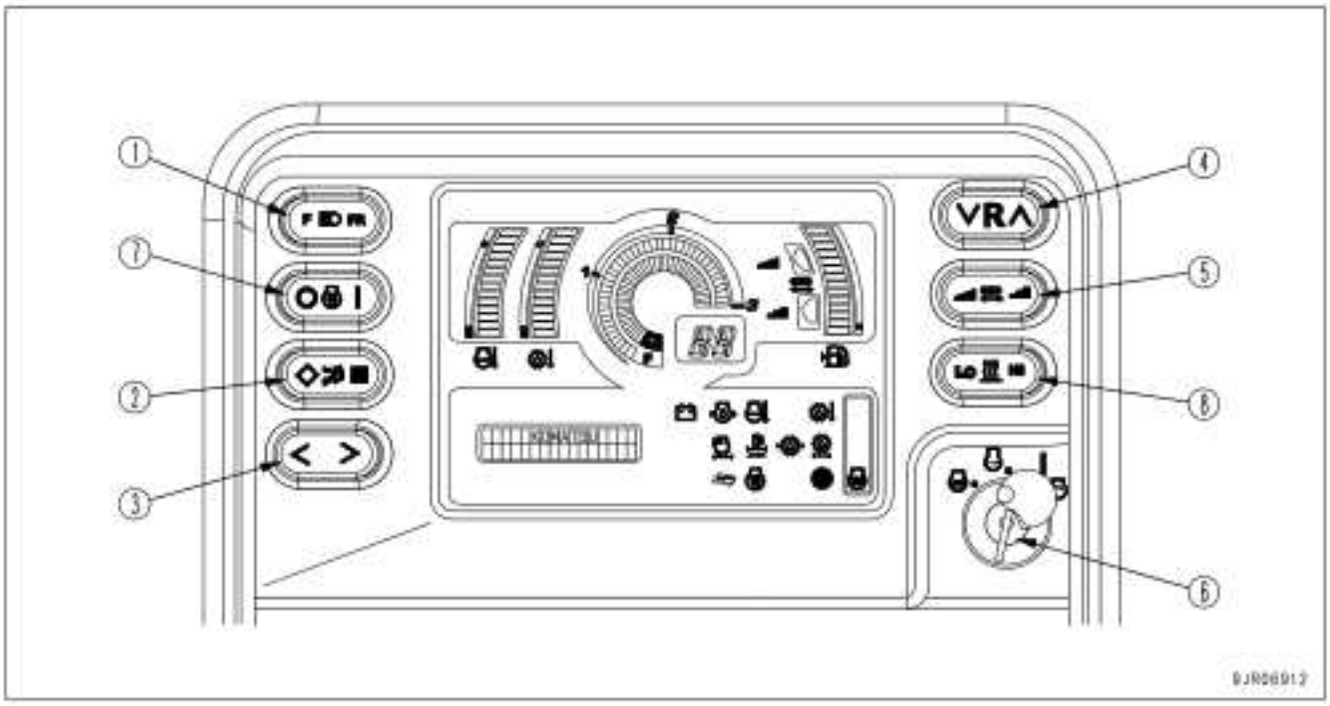

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## SWITCHES



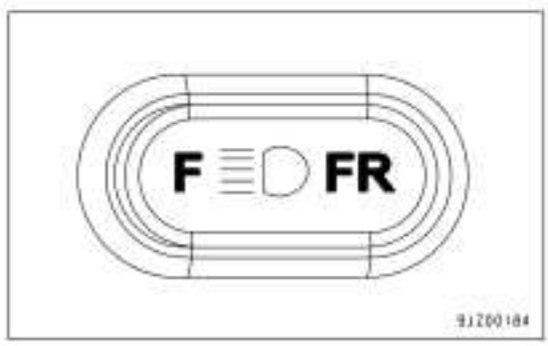

(1) Lamp switch
(2) Buzzer cancel switch
(3) Information switch
(4) Reverse travel speed setting switch
(5) Shift mode switch
(6) Starting switch
(7) Fan rotation selector switch
(8) Foot heater switch
(Standard for machines equipped with cab)
(Optional for machines equipped with canopy)

### LAMP SWITCH

Use this switch (1) to light up the front and rear lamps.

Center position: OFF
F position: Front lamps light up
FR position: Front lamps and rear lamps light up

When the switch is operated, the lamp inside the switch also lights up.



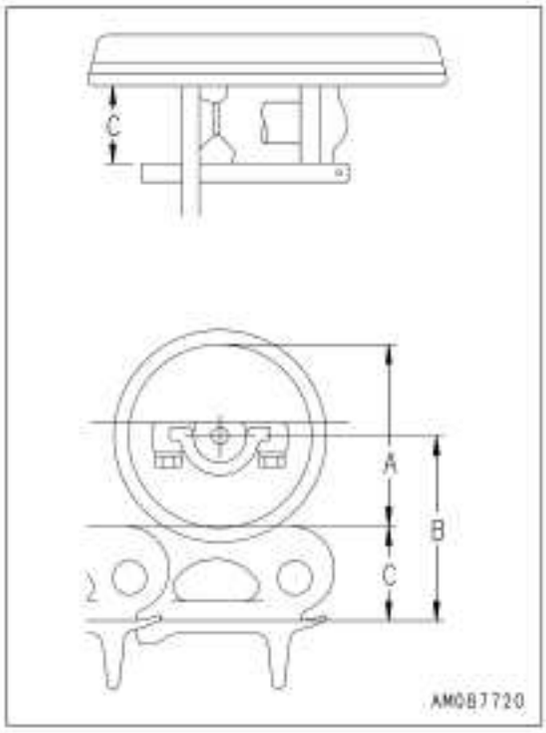



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## MEASURING OUTSIDE DIAMETER OF TRACK ROLLER

1. Measure the height (dimension C) of the link tread as shown in the diagram.
2. Stop machine at position where link tread, whose size C has been measured completely, contacts roller tread. Then measure size B.
3. Calculate outside diameter of tread (size A):
   A = (B - C) x 2

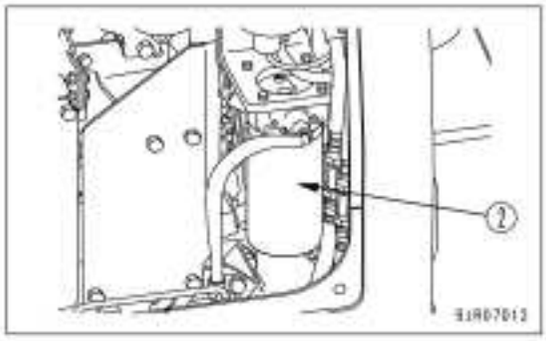
   - Standard size (h): 175 mm (6.9 in)
   - Repair limits: 150 mm (5.9 in)






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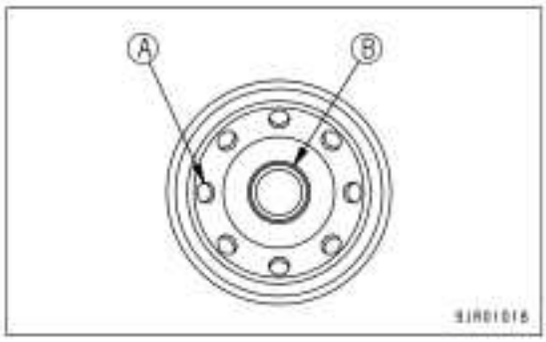
3. Remove the front cover at the front of the machine.
4. Set the container to catch the fuel under the filter cartridge (2).
5. Using a filter wrench, turn filter cartridge (2) counterclockwise on remove it.



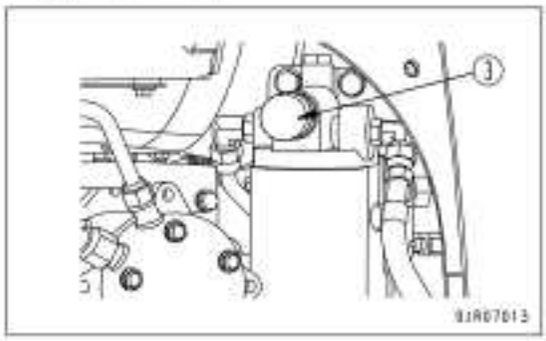

**NOTICE**

- **Do not fill the new filter cartridge with fuel.**
- **Remove cap (B) and install the filter cartridge.**

6. 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.




7. When installing, tighten until the packing surface contacts the seal surface of the filter holder, 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. Open fuel supply valve (1).
9. After replacing filter cartridge (2), bleed the air from the fuel circuit as follows.
10. Fill the fuel tank with fuel (to the position where the float is at the highest position).
11. Loosen the knob of feed pump (3), pull it out, then pump it in and out until it becomes heavy.




**REMARK**

- There is no need to remove the plugs from the fuel pre-filter head and fuel main filter head.
- If the engine runs out of fuel, operate feed pump (3) in the same way to bleed the air.

12. After completing the air bleeding operation, push in the knob of feed pump (3) and tighten it.
13. After replacing the filter cartridge, start the engine and run it for 10 minutes at low idling.
    Check that there is no leakage of fuel from the filter seal surface and the transparent cap mounting surface. If any leakage of fuel is found, check that the filter cartridge is tightened properly. If the fuel still leaks, repeat Steps 1 - 5 to remove the filter cartridge, then check the packing surface for damage or embedded dirt. If any problem is found, replace the cartridge with a new part, then repeat Steps 6 - 12 to install the new cartridge.



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