TEN00703-05

Operation & Maintenance Manual

BULLDOZER

D65EX -18
D65PX -18
D65WX -18

SERIAL NUMBERS 90166 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.

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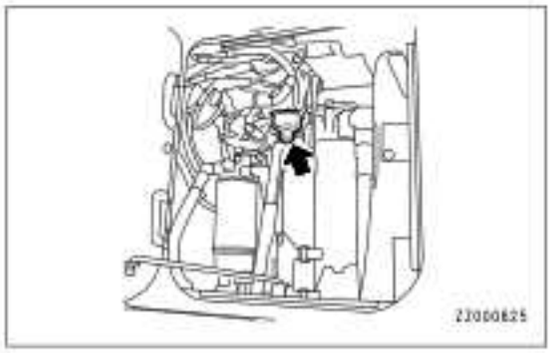
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DEF FILTER

DEF filter is an filter element to clean DEF sucked from the DEF tank by DEF pump, and to supply it to DEF injector.

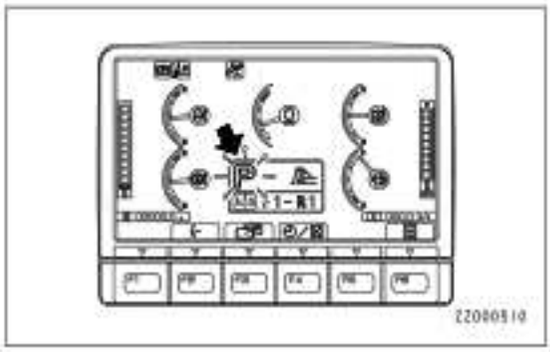


NOTICE

- **The DEF filter element needs to be replaced every 2000 hours. For details of replacement, see "METHOD FOR REPLACING DEF FILTER (4-91)".**
- **If the machine is operated without DEF filter attached, or with the filter other than Komatsu genuine parts, foreign materials may enter into DEF pump and DEF injector which will cause failure of the machine. Never operate the machine without DEF filter attached, nor use the filter other than Komatsu genuine parts.**
- **DEF filter cannot be flushed. Flushing or regenerating of it will degrade the performance of DEF filter, and will contaminate DEF pump and DEF injector which will cause the failure of the machine. Never reuse the DEF filter.**

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If joystick (steering, directional and gear shift lever) (2) is in F or R, the letter "P" on gear speed display will flash.



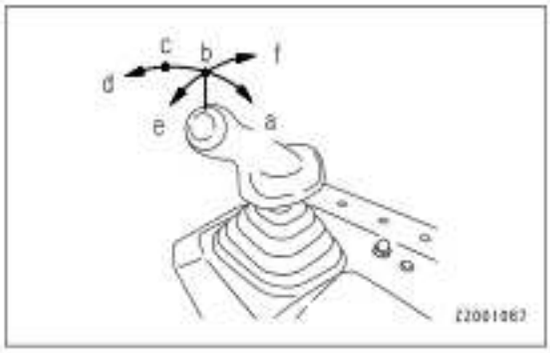
4. Lower the blade to the ground.

   For blade operation, see "BLADE CONTROL LEVER (3-102)".

5. Check that blade control lever (3) is in HOLD position (b).

6. Lower the ripper to the ground.

   For ripper operation, see "RIPPER CONTROL LEVER (3-111)".



7. Check that work equipment lock lever (4) is in LOCK position (L).

   If work equipment lock lever (4) is not in LOCK position (L), the engine cannot be started.

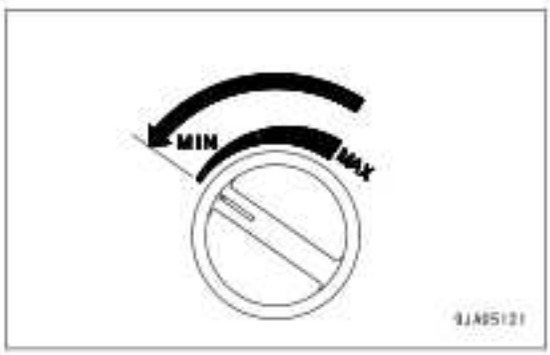


8. Turn fuel control dial to Low idle (MIN) position.

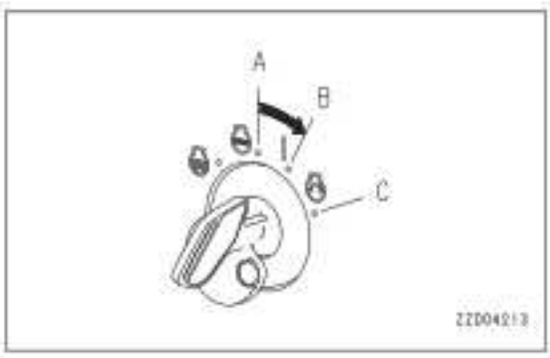
   When the dial is in High idle (MAX) position, be sure to set it to Low idle (MIN) position.

   REMARK

   Even if the engine is started with the fuel control dial in a position other than Low idle (MIN) position, the engine speed is set to low idle.
   You can change the engine speed by turning the fuel control dial to Low idle (MIN) position and then turning it toward high idle (MAX) position.



9. Insert the key into starting switch and turn it to ON position (B).



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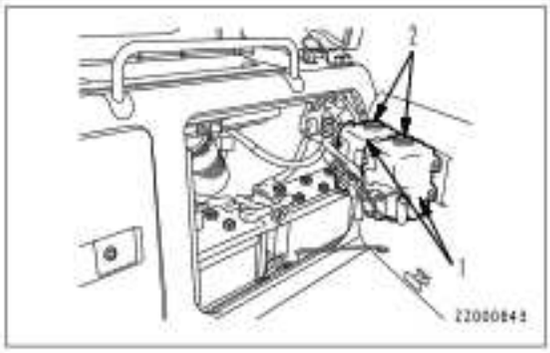
METHOD FOR CHECKING WINDOW WASHER FLUID LEVEL, ADDING FLUID

Perform this check when no window washer fluid comes out.

1. Open the battery inspection cover at the rear of the machine.
2. Check the fluid level in window washer tank (1).

   If the fluid level is low, remove cap (2) and add window washer fluid for automobile through the filler port.

   Be careful not to let dirt or dust get in when adding fluid.



(Mixture ratio of pure washer fluid and water)

The proper mixing proportion varies with the ambient temperature. Add washer fluid diluted with water at the following proportion.

Area, season	Mixing proportion	Freezing temperature
Normal	Washer fluid 1/3: water 2/3	-10 °C (14 °F)
Winter in cold district	Washer fluid 1/2: water 1/2	-20 °C (-4 °F)
Winter in extremely cold district	Pure washer fluid	-30 °C (-22 °F)

There are 2 types depending on the freezing temperature: -10 °C (14 °F) (general use) and -30 °C (-22 °F) (cold district use), select according to the area and season.

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