TEN00469-01

Operation & Maintenance Manual

BULLDOZER

D39EX -22
D39PX -22

SERIAL NUMBERS 3440 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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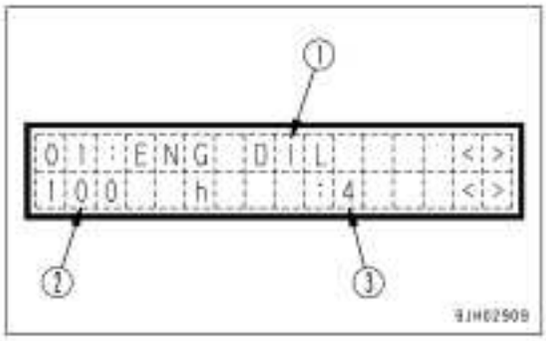
METHOD OF USING OIL AND FILTER MAINTENANCE MODE

NOTICE

This function is only a guideline. If dirty oil or filters are found during daily maintenance, replace them immediately.
If the controllers or monitor panel are replaced, the timer for this function will not work properly. Ask your Komatsu distributor for replacement.

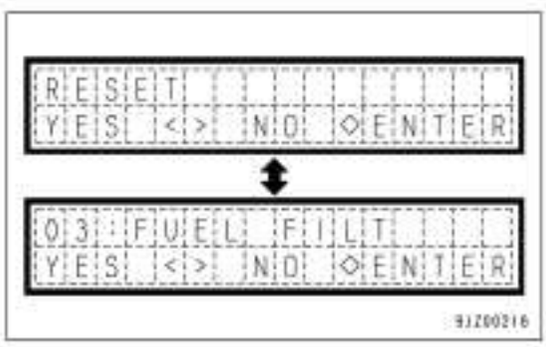
In the oil and filter maintenance mode, the replacement intervals for oil and filters are displayed on display panel B (multi-information).
(1) The item is displayed.
(2) The time remaining until replacement is displayed.
(3) The quantity of replacements until now is displayed.

The display items can be displayed in order by operating the information switch to the left or right (<, >).



Code	Display	item	Replacement interval
01	ENG OIL	Engine oil	500h
02	ENG FILT	Engine oil filter	500h
03	FUEL FILT	Fuel filter	1000h
41	P FUEL FILT	Fuel pre-filter	500h
04	HYD FILT	Hydraulic oil filter	2000h
08	FNL OIL	Final drive oil	1000h
10	HYD OIL	Hydraulic oil	2000h
21	HST FILT	HST charge filter	2000h

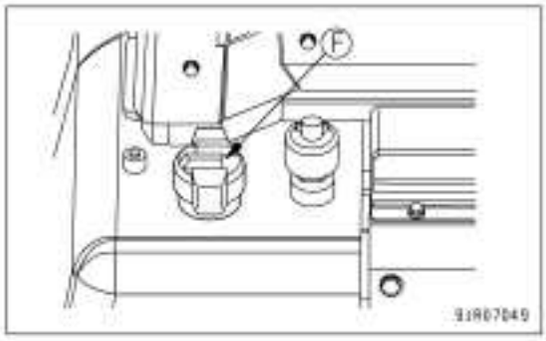
When changing the oil or replacing the filter, select the appropriate item, then depress the ◇ position of the buzzer cancel switch. A question asking if the replacement history is to be updated is displayed.
Select YES with the information switch (<, >), and press the ◇ position on the buzzer cancel switch. The number of times of replacement increases by 1, the replacement interval is also reset, and the oil and filter replacement interval lamp goes out.
If the maintenance caution lamp does not go out when this is done, it means that the replacement interval is close for some other item, so check.



REMARK
To return to the maintenance item without resetting, use the information switch (<,>) to select NO, then press the ◇ portion of the buzzer cancel switch.

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5. If the oil level is below the L mark, add oil through oil filler (F) at the top of the hydraulic tank.



REMARK

The oil level changes according to the oil temperature. Use the following as a guideline.

Before starting operations: Between H and L marks (oil temperature 10 °C to 30 °C (50 °F to 86 °F))

During normal operations: Near H (oil temperature of 50 °C to 80 °C (122 °F to 176 °F))

6. After adding oil, be sure to screw on the oil filler cap and lock it with the key.

CHECK ELECTRIC WIRING

⚠ CAUTION

- **If the fuse blows frequently or there are traces of short circuits on the electric wiring, investigate the cause immediately and ask your Komatsu distributor to carry out repairs.**
- **Keep the top surface of the battery clean and inspect the breather holes in the battery caps. If they are clogged with mud or dirt, rinse the battery cap to remove the material clogging it.**

Check that the fuse is not damaged and that a fuse of the specified capacity is being used. Check also for traces of disconnections or short circuits in the electric wiring, and for loose bolts. If any loose bolts are found, tighten them. Be particularly careful when inspecting the wiring of the battery.

Always check that there is no flammable material accumulated around the battery. Remove any such flammable material.

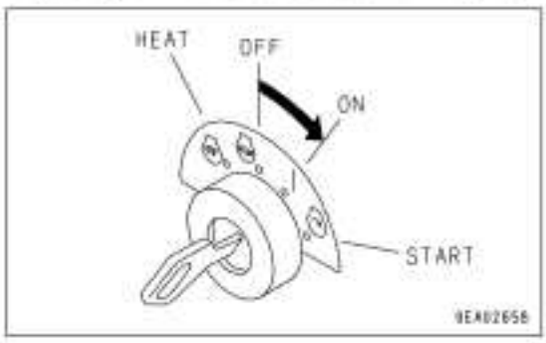
Consult your Komatsu distributor when carrying out investigation and repair of the cause.

CHECK THAT LAMPS LIGHT UP

Check that the head lamp, rear lamp, and instrument lamp light up normally and they are free from stain and damage.

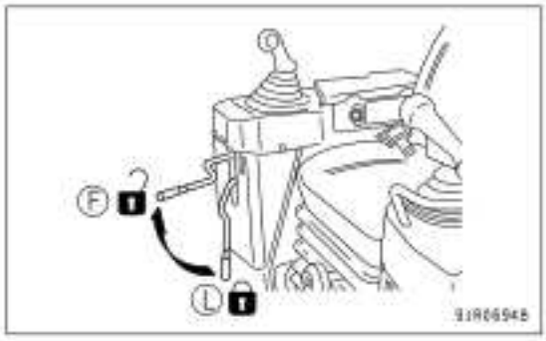
If the lamps do not light, check for a broken bulb or disconnected wire, ask your Komatsu distributor for repairs.

1. Turn the starting switch to ON position.

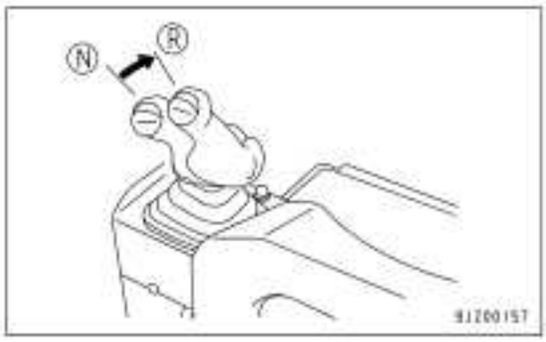


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3. Set the work equipment lock lever (7) to the FREE position (F).



4. Operate blade control lever (8) to the RAISE position (R) and raise the blade 40 to 50 cm (15.8 to 19.7 in) above the ground.

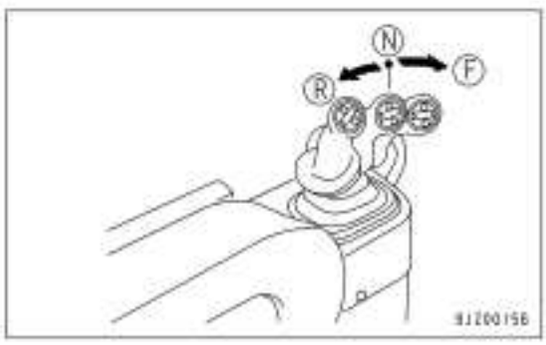


5. Depress decelerator pedal (5).

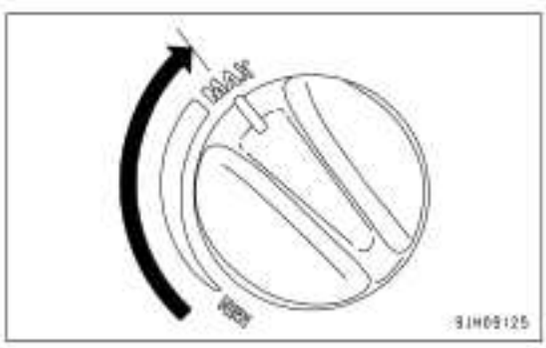


6. Operate steering, forward-reverse, gear shift lever (4) to the FORWARD position (F) or REVERSE position (R).

REMARK
Check that the alarm sounds when the steering, forward-reverse, gear shift lever is operated to the REVERSE position. If the alarm does not sound, ask your Komatsu distributor to carry out repairs.



7. Turn fuel control dial (3) in High idle (MAX) position direction.



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