TEN00285-03

Operation & Maintenance Manual

BULLDOZER

D275AX-5E0

SERIAL NUMBERS 30132 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.

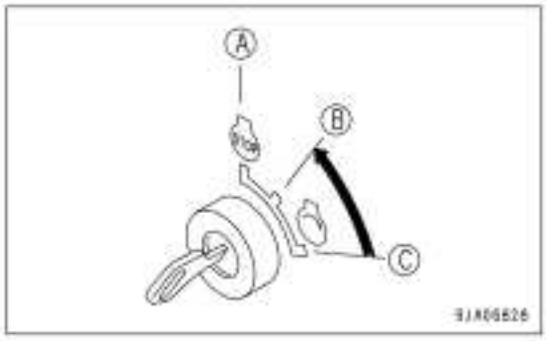
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6. When the engine starts, release the key in starting switch (2). The key will return automatically to the ON position (B).



REMARK
Immediately after starting the engine, run at idle. While running the engine, release the decelerator pedal and do not operate the work equipment.
Guideline for idle time
- Cold weather: At least 15 seconds
- 1st start after changing engine oil or engine oil filter: 20 seconds

7. When the engine rotation stabilizes, return to the low idle (MIN) position of fuel control dial (1) and then carry out the warming-up operation.

REMARK
- Regardless of the ambient temperature, if the key in starting switch (2) is turned from OFF position to left, preheating pilot lamp (3) will light up and preheating will start. (Preheating continues while the starting switch is held at the left.)
  For the details of the preheating time, see the table in Step 5.
- While preheating is being carried out, the preheating pilot lamp (3) lights up to show that preheating is being carried out. After it lights up for 36 seconds, it flashes for 16 seconds and goes out. When it goes out, complete the preheating immediately.
- If the engine does not start with the above operation, wait for about 2 minutes, and repeat steps from Step 3. And 4.
- The relationship between the actuation time of the turbo protect function and the engine cooling water temperature is as follows.
  Even if the fuel control dial is operated within the time given below, the engine speed will not change.

Coolant temperature	Turbo protect time (sec.)
Above 10°C (50°F)	0
10 to -10°C (50 to 14°F)	Change 0 to 20
below -10°C (14°F)	20

- In cold weather, the turbo protect function is actuated, so the engine speed is kept at 1000 rpm or below for several seconds. After that, it becomes the speed set by the position of the fuel control dial.

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SERVICE PROCEDURE

INITIAL 250 HOURS SERVICE (ONLY AFTER THE FIRST 250 HOURS)

Perform the following maintenance only after the first 250 hours.

- Replase power train oil filter element, steering lubricating oil filter element
- Change oil in power train case, wash strainers (power train pump strainer, scavenging pump strainer)
- Replace charge filter element
- Change oil in hydraulic tank, replace hydraulic oil filter element, clean hydraulic tank strainer
- Change oil in final drive case

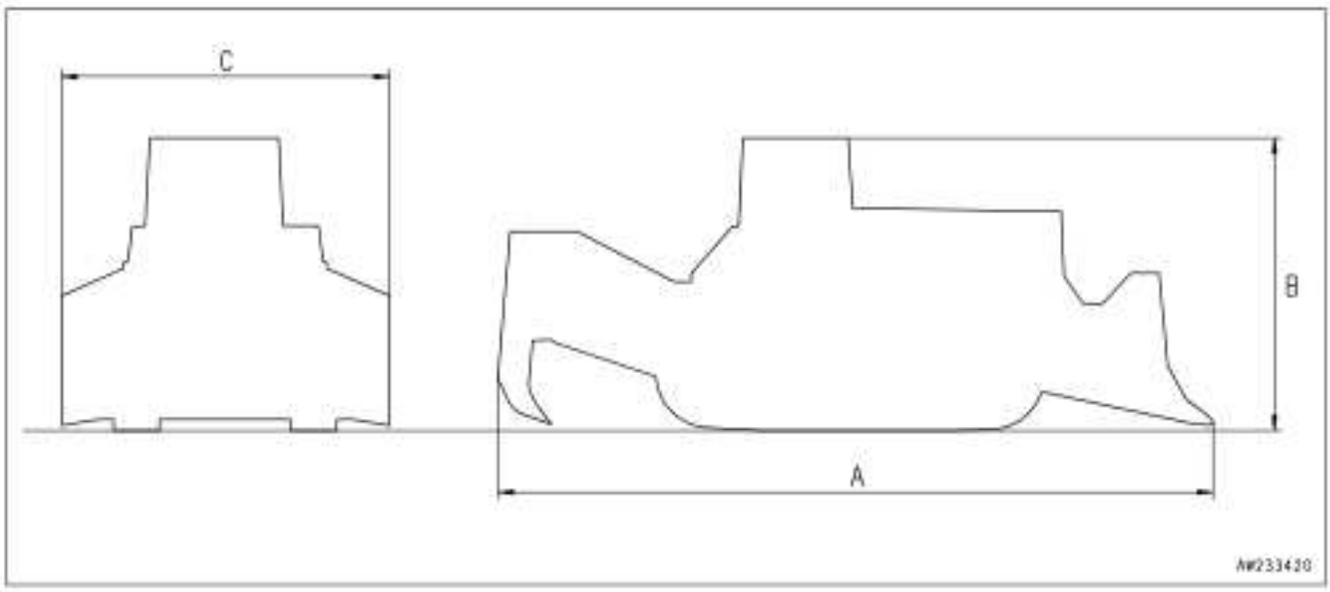
For details of the method of replacing or maintaining, see the section on EVERY 500 HOURS, 1000 HOURS and 2000 HOURS SERVICE.

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SPECIFICATIONS

	Item		Unit	D275AX-5E0		
				Semi U-tiltdozer	U-tiltdozer	Reinforced sigmadozer
	Operating weight (without operator)		kg (lb)	50,710 (*1) (111.816)	50,775 (*2) (111.959)	51,400(*3) (113.337)
	Blade unit weight		kg (lb)	6,750 (14,884)	7,676 (16,926)	8,300 (18.302)
	Ripper unit weight		kg (lb)	4,462 (9,839) (Multi-shank)	3,600 (7,938) (Giant)	
	Name of engine		-	KOMATSU SAA6D140E-5 diesel engine		
	Engine horsepower		kW(HP)/rpm	336(451)/2,000		
A	Overall length		mm (ft in)	8,905 (29ft 3in)	9,595 (31ft 6in)	8,995 (29ft 6in)
B	Overall hight		mm (ft in)	3,990 (13ft 1in)		
C	Overall width		mm (ft in)	4,300 (14ft 1in)	4,615 (15ft 2in)	4,440 (14ft 7in)
	Travel speed (1st/2nd/3rd)	Forward	km/h (MPH)	3.8/6.7/11.2 (2.4/4.2/7.0)		
		Reverse	km/h (MPH)	4.9/8.7/14.9 (3.0/5.4/9.3)		

*1: Semi U-tiltdozer, multi-shank ripper, ROPS, cab, air conditioner
*2: U-tiltdozer, Giant ripper, ROPS, cab, air conditioner
*3: Reinforced sigmadozer, Giant ripper, ROPS, cab, air conditioner



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