Operation & Maintenance Manual

EEAM024300

D31EX, PX-21
D37EX, PX-21
D39EX, PX-21

BULLDOZER

SERIAL NUMBER

D31EX-21	- 50501 and up
D31PX-21	- 50501 and up
D37EX-21	- 5709 and up
D37PX-21	- 5709 and up
D39EX-21	-1501 and up
D39PX-21	-1501 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.

KOMATSU

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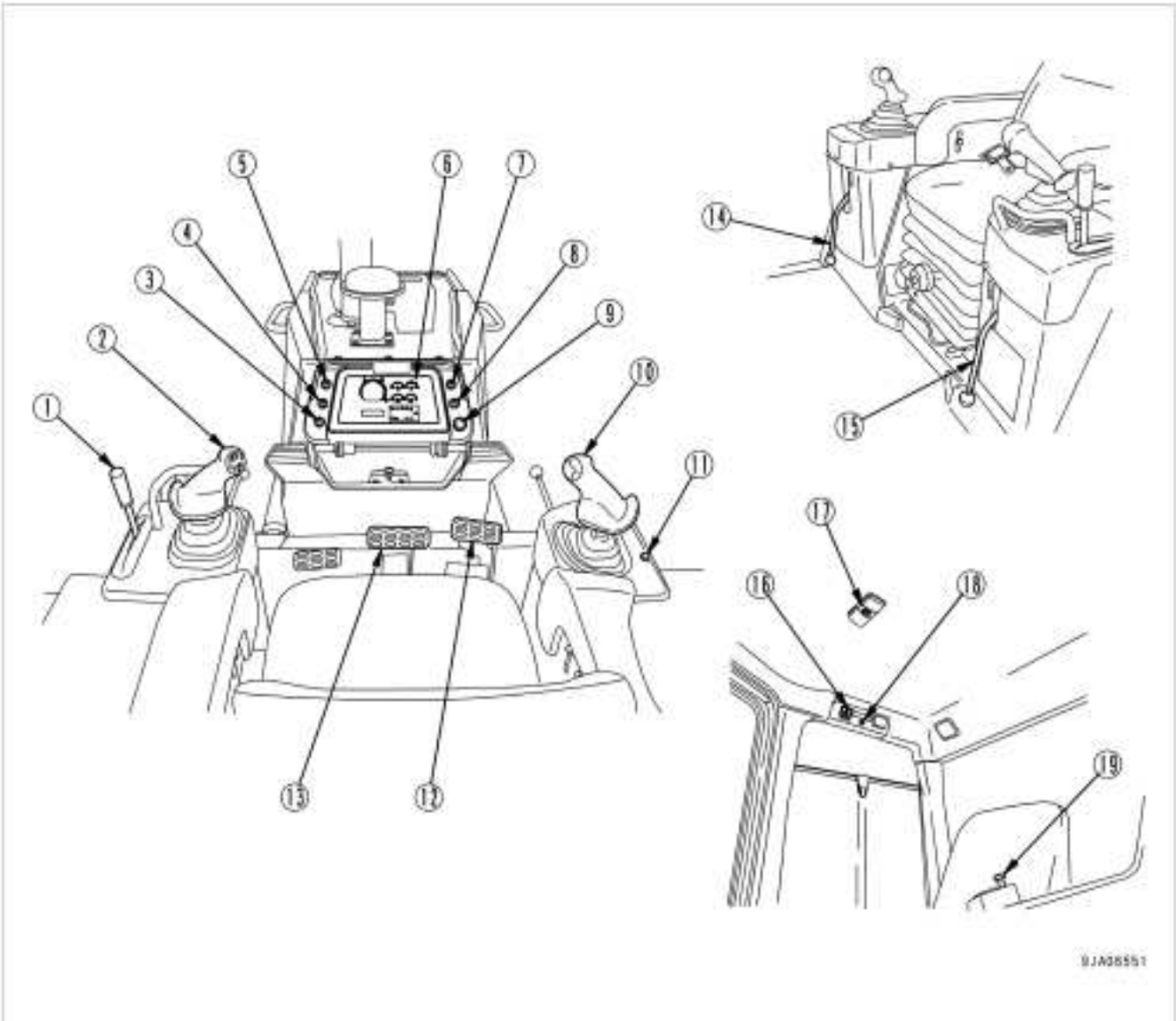
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GENERAL VIEW OF CONTROLS AND GAUGES



(1)	Fuel control lever	(11)	Horn switch
(2)	Joystick (Steering, directional and gear shift lever)	(12)	Decelerator pedal
(3)	Information switch	(13)	Brake pedal
(4)	Buzzer cancel switch	(14)	Safety lock lever
(5)	Lamp switch	(15)	Parking lever
(6)	Monitor panel	(16)	Wiper switch (machine equipped with cab)
(7)	Reverse travel speed setting switch	(17)	Room lamp switch (machine equipped with cab)
(8)	Shift mode switch	(18)	Wiper motor breaker reset button (machine equipment with cad)
(9)	Starting switch		
(10)	Blade control lever	(19)	Cigarette lighter (machine equipped with cab)

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After replacing the indicated filter or oil displayed on display panel B (multi-information), reset the time. For details, see "METHOD OF USING OIL AND FILTER MAINTENANCE MODE (3-23)".

The lamp goes out or stops flashing.

METHOD OF USING MAINTENANCE MODE

To switch from the operation mode to the maintenance mode, turn the buzzer switch to the ■ position and hold it there for at least 2.5 seconds. The screen will switch to the maintenance mode.

On the first screen, the oil and filter maintenance mode is displayed.

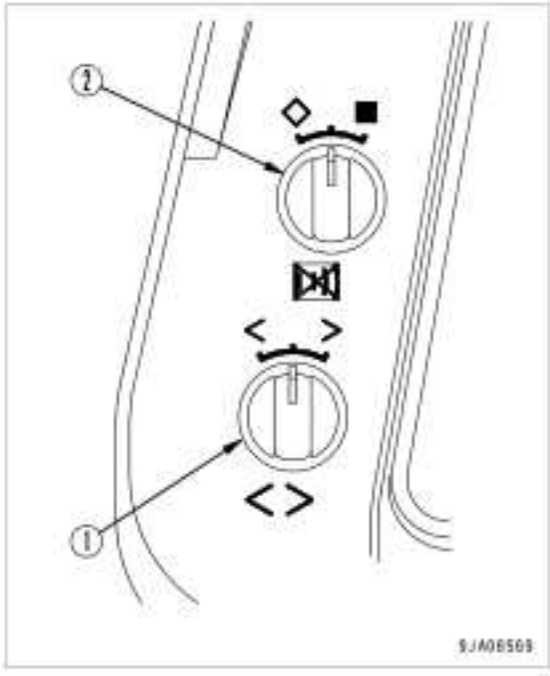


EXPLANATION OF MODES AND OPERATION

The maintenance mode has the following 4 sub modes.

Sub mode	Function	Reference items
Oil/filter maintenance mode	Oil or filter replacement time is displayed	METHOD OF USING OIL AND FILTER MAINTENANCE MODE (3-23)
PM clinic auxiliary mode	Engine speed or HST oil temperature is displayed	METHOD OF USING PM CLINIC AUXILIARY MODE (3-25)
Fault code display mode	Fault codes for electronic control related parts are displayed	METHOD OF USING FAULT CODE DISPLAY MODE (3-26)
Adjustment mode	Adjusts monitor brightness, etc.	METHOD OF USING USER ADJUST MODE (3-27)

Use information switch (1) and buzzer cancel switch (2) to operate each mode.



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SPECIFICATIONS

With power angle power tiltdozer and ROPS cab

	Item		Unit	D31EX-21	D31PX-21
	Machine weight		kg	7,130	7,650
	Name of engine		-	Komatsu SAA4D102E-2 diesel engine	
	Engine horsepower		kW {HP}/rpm	56 (75)/2,000	
A	Overall length		mm	4,015	3,995
B	Overall height	(Not including antenna)	mm	2,700	2,700
		(To tip of exhaust pipe)	mm	2,645	2,645
C	Overall width		mm	2,435	3,200 *2,875
	Travel speed (Quick shift mode)	Forward 1st/2nd/3rd	km/h	3.4/5.6/8.5	
		Bckward 1st/2nd/3rd	km/h	4.1/6.5/8.5	
	Travel speed (Variable shift mode)	Forward	km/h	0.8 - 8.5	
		Backward	km/h	0.8 - 8.5	

* Machines equipped with narrow blade

With power angle power tiltdozer and ROPS cab

	Item		Unit	D37EX-21	D37PX-21
	Machine weight		kg	7,410	7,770
	Name of engine		-	Komatsu SAA4D102E-2 diesel engine	
	Engine horsepower		kW {HP}/rpm	63 (85)/2,000	
A	Overall length		mm	4,015	3,995
B	Overall height	(Not including antenna)	mm	2,700	2,700
		(To tip of exhaust pipe)	mm	2,645	2,645
C	Overall width		mm	2,720	3,250 *2,875
	Travel speed (Quick shift mode)	Forward 1st/2nd/3rd	km/h	3.4/5.6/8.5	
		Bckward 1st/2nd/3rd	km/h	4.1/6.5/8.5	
	Travel speed (Variable shift mode)	Forward	km/h	0.8-8.5	
		Backward	km/h	0.8-8.5	

* Machines equipped with narrow blade

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