TEN00766-02

Operation & Maintenance Manual

BULLDOZER

D37EXi-24 D37PXi-24
D39EXi-24 D39PXi-24

SERIAL NUMBERS D37-85001 and up
D39-95497

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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REMARK

- There is no priority in order between switching on/off of control box power supply and switching on/off of starting switch of the machine.
- The control box operates on Windows® operating system.
  After turning on the control box power supply, it takes approximately 2 minutes until Windows® operating system starts and the main window is displayed. In the same way, after turning off the control box power supply, it takes approximately 2 minutes until the main window is finished and Windows® operating system shuts down.
  (Windows is a registered trademark of Microsoft Corporation in the United States and/or other countries.)

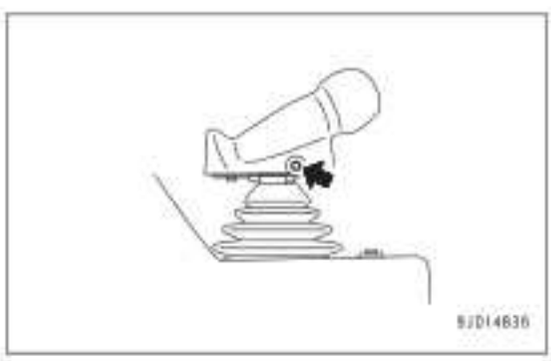
AUTO/MANUAL SWITCH

⚠ WARNING

- **While the blade automatic control is in operation, the blade moves even if the operator does not operate the blade control lever.**
  Before turning on the blade automatic control, check thoroughly if there are any persons or obstacles in the area around the machine.
- **While the blade automatic control is in operation, if the operator operates blade control lever, this blade lever operation is given the priority and the blade moves as operated by the operator. When the operator stops lever operation, the blade automatic control restarts.**
  While the blade automatic control is in operation, do not release your hand from the blade control lever, so that you can avoid the danger immediately if any.
- **When performing the inspection, maintenance, moving and loading/unloading on the trailer etc., i.e. other operation than the operation by "intelligent Machine Control" at the jobsite, turn off the blade automatic control and turn off the control box power supply.**
- **You can turn off the blade automatic control by setting the work equipment lock lever to LOCK position.**

Auto/Manual switch is used for turning on or off the blade automatic control.

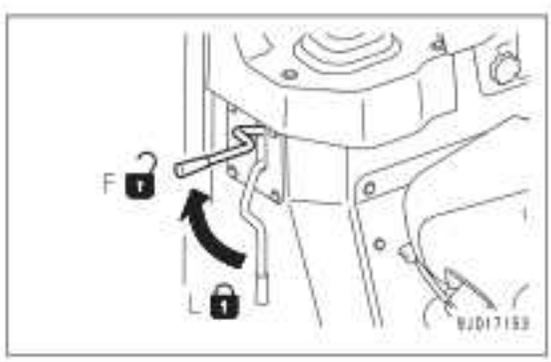
Auto/Manual switch is located on the blade control lever.



When turning on the blade automatic control

Place the work equipment lock lever in FREE position (F), and press Auto/Manual switch once.

The blade automatic control is turned on.



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PRECAUTIONS FOR LONG-TERM STORAGE

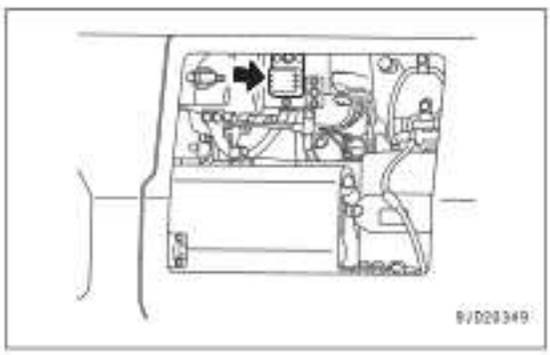
For the method of long-term storage (1 month or more), see Operation and Maintenance Manual for the standard machine, "OPERATION", "PRECAUTIONS FOR LONG-TERM STORAGE".

Handling method of the battery disconnect switch for this machine is different from that of the standard machine.

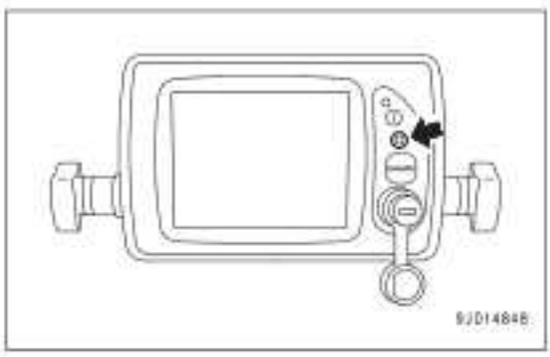
TURN BATTERY DISCONNECT SWITCH TO OFF POSITION BEFORE LONG-TERM STORAGE

Before reading this section, see Operation and Maintenance Manual for the standard machine "OPERATION", "BATTERY DISCONNECT SWITCH".

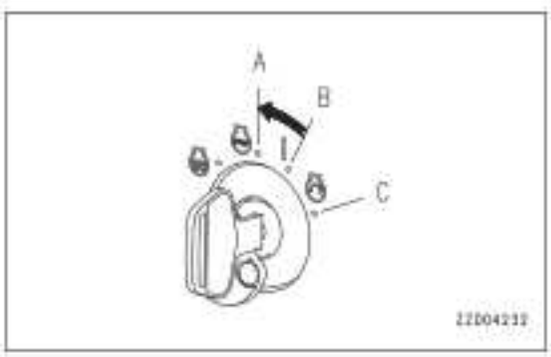
The battery disconnect switch is in the hydraulic oil inspection cover on the left side of the machine.



1. Press the power supply OFF switch (red) to turn off the control box power.



2. Turn the starting switch to OFF position (A).



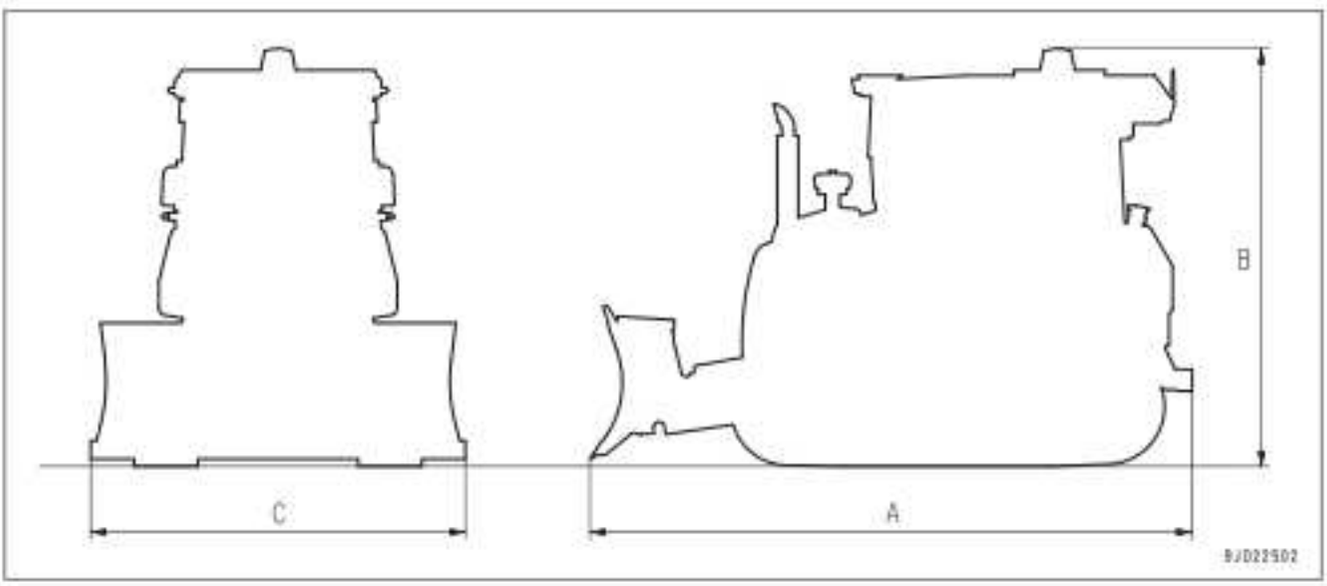
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SPECIFICATIONS

SPECIFICATIONS: D37EXI-24

With power angle power tilt dozer, ROPS cab

	Item		Unit	D37EXI-24
	Machine weight		kg { lb}	9000 {19845}
	Engine model		-	Komatsu SAA4D95LE-7 diesel engine
	Rated horse-power	SAE J1995 (gross)	kW { HP} / min^{-1} { rpm}	67.7 {90.7}/ 2200 {2200}
		ISO 9249 /SAE J1349 (net)		66.1 {88.6}/ 2200 {2200}
A	Overall length		mm {ft in}	4275 {14' 0"}
B	Overall height (including GNSS antenna)		mm {ft in}	2945 {9' 8"}
C	Overall width		mm {ft in}	2710 {8' 11"}
	Travel speed (Quick shift mode)	Forward (1st/2nd/3rd)	km/h { MPH}	3.4/5.6/8.5 {2.1/3.5/5.3}
		Reverse (1st/2nd/3rd)	km/h { MPH}	4.1/6.5/8.5 {2.5/4.0/5.3}
	Travel speed (Variable shift mode)	Forward	km/h { MPH}	0.8 to 8.5 {0.5 to 5.3}
		Reverse	km/h { MPH}	0.8 to 8.5 {0.5 to 5.3}



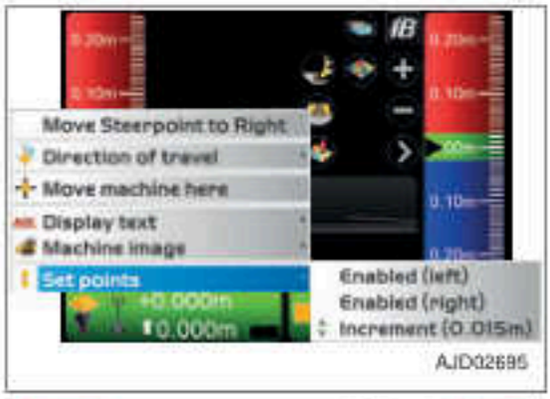
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METHOD FOR ADJUSTING CUT/FILL OFFSETS (POP-UP MENU)

By using the pop-up menu, you can adjust the cut/fill offset quantity setting quickly from the main window.

1. Hold down any point of the main window.
2. Press "Enabled (left)" in "Set points".

   "Cut/Fill offsets" is displayed at the bottom left of the screen.

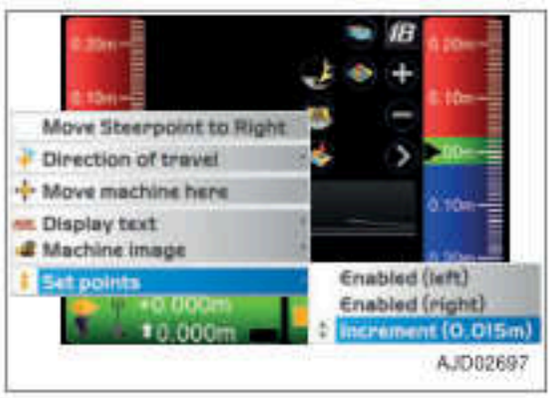


3. Press "Cut/Fill offsets", change the cut/fill offsets quantity setting, and adjust the cut/fill amount.



4. Hold down any point of the main window.
5. Press "Increment" (** m) in "Set points".

   You can set intervals of increase/decrease when "Cut/Fill offsets" is pressed.



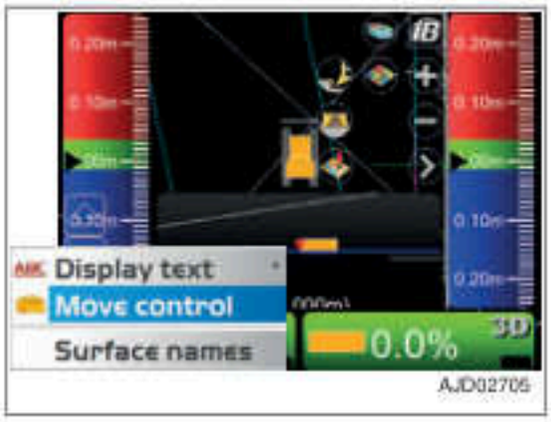
REMARK

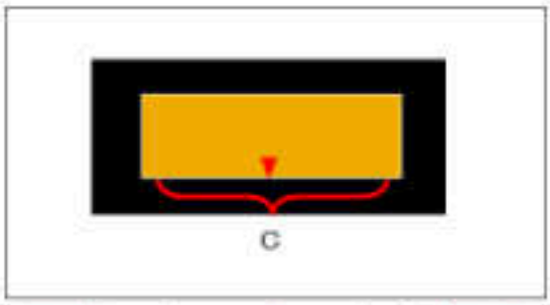
If you press "Enabled (right)" in "Set points", "Cross slope adjustment" is displayed.
You can adjust the lateral slope angle of Surface freely to a certain angle by pressing "Cross slope adjustment".



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3. When setting the blade control point to any point of the blade edge, press any point (in the range of (C)) of the blade edge at the top of the screen.
4. Press "Move control".







WHEN YOU CHANGE BLADE CONTROL POINT ON BLADE CONTROL SCREEN

When "Control using single point on blade" is selected, you can change the blade control point by using the slider button or the right/left arrow on "Blade Control" screen.

1. On "Blade Control" screen, check "Control using single point on blade".
2. Select 1 point apart from the right/left of the blade by moving the slider button to the right/left or by using the right/left arrow.
3. Press "Ok".

   This blade control point is applied to the machine.



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