TEN00737-00

Operation & Maintenance Manual

BULLDOZER

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

SERIAL NUMBERS

D37EXi- 85001
D37PXi- 85001
D39EXi- 95001
D39PXi- 95001

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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PRECAUTIONS FOR MAINTENANCE

PRECAUTIONS FOR CHECK AND MAINTENANCE

- When performing the check and maintenance of the machine, turn off the automatic control of blade and turn off the control box power supply.
  If you perform the check while control box power supply is turned on, and you touch the Auto/Manual switch accidentally, the automatic control of blade may be turned on, and the blade start moving, resulting in serious personal injury or death.
- Only when performing the check and adjustment for the automatic control of blade, turn on the control box power supply, and perform the check and adjustment. Check that there are no persons or obstacles in the area around the machine.

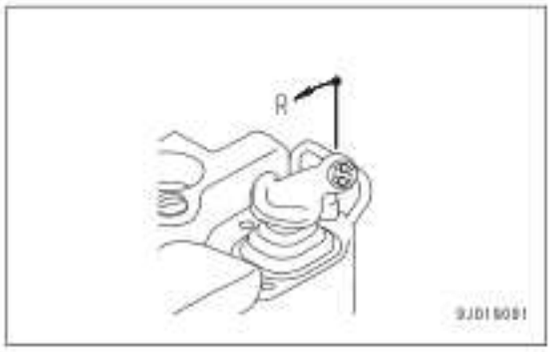
PRECAUTIONS FOR GNSS ANTENNA

- Cable connector of the GNSS antenna is looseness-free structure. Check is not needed.
- If the GNSS antenna contacts with obstacles during operation or traveling, and it has to be checked and replaced, ask your Komatsu distributor.
- There is a danger of falling or tipping over that can lead to serious personal injury or death. Do not get on the cab to check the GNSS antenna.

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METHOD FOR OPERATING TO TRAVEL REVERSE WHILE USING AUTOMATIC BLADE CONTROL

1. Set the joystick (steering, directional and gear shift lever) to REVERSE position (R).

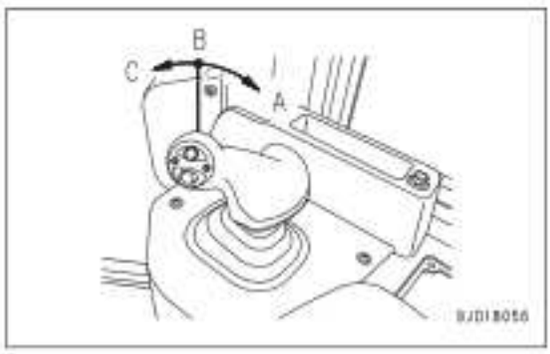


2. Perform RAISE trigger operation.
   1) Move the blade control lever to RAISE direction (A) once and return it to NEUTRAL position (B).

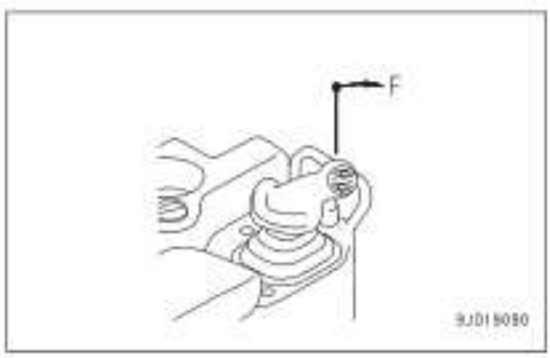
      The blade automatically rises to the certain height.

      REMARK

      - While the machine is traveling or stopped, the blade automatically rises with RAISE trigger operation. Move the blade control lever to LOWER direction (C) to cancel it.
      - When the back grade mode is turned on, even if RAISE trigger operation is performed, the blade does not raise to specific height automatically.



3. Drive the machine in reverse to a place where the blade automatic control starts again.
4. Place the joystick (steering, directional and gear shift lever) in FORWARD position (F), and perform LOWER trigger operation.

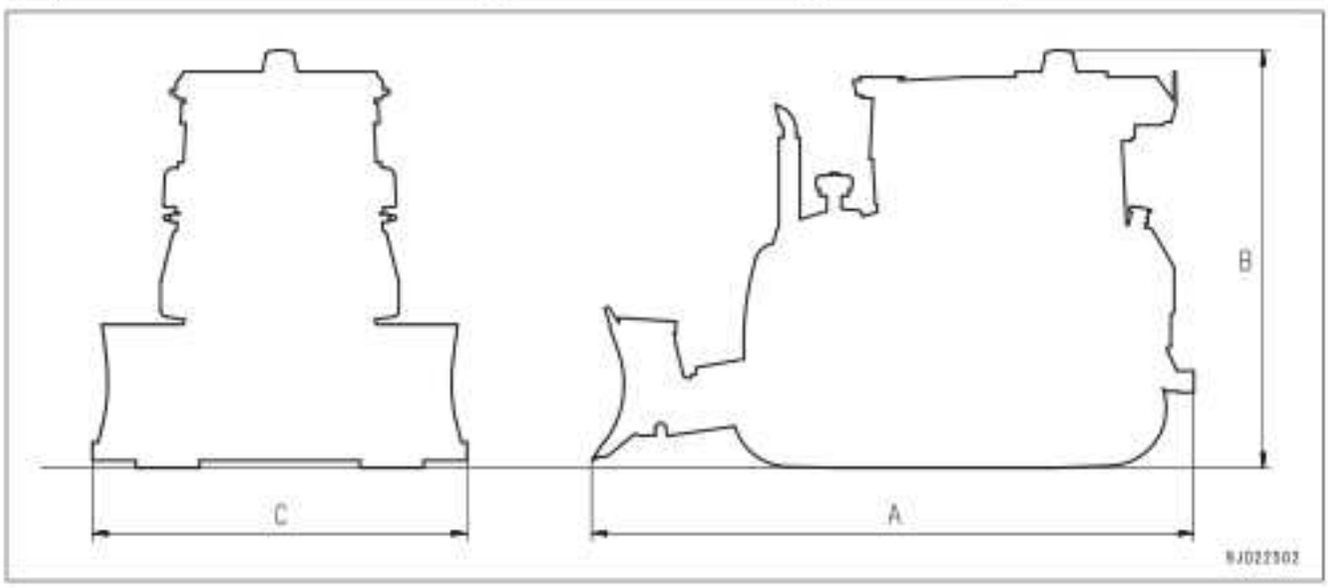


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SPECIFICATIONS: D37PXI-24

With power angle power tilt dozer, ROPS cab

	Item		Unit	D37PXI-24
	Machine weight		kg {lb}	9300 {20506.5}
	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}	3200 {10' 6"}
	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}



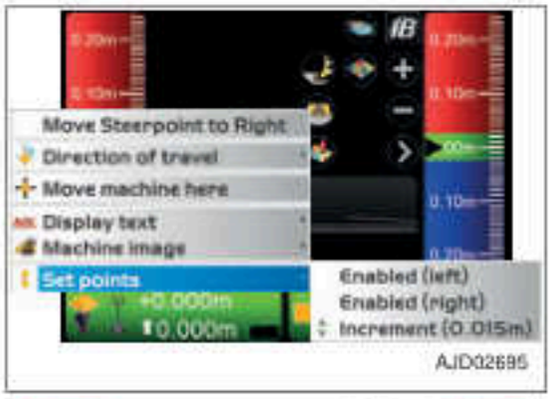
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METHOD FOR ADJUSTING CUT/FILL OFFSETS

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.

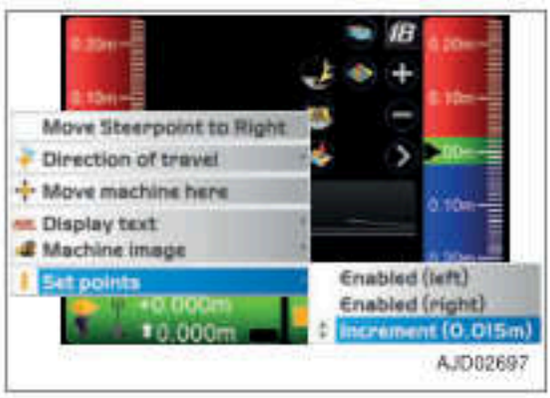


3. Press "Cut/Fill offsets", change the cut/fill offsets quantity setting, and adjust the cut/fill amount.



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

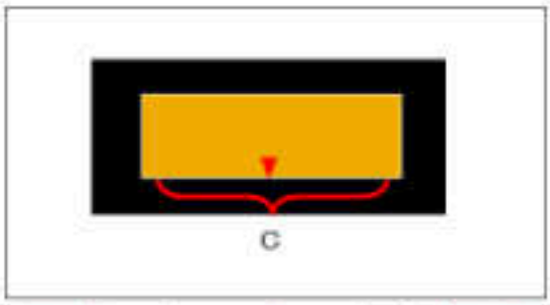
If you press "Enabled (right)" in "Set points", "Cross slope adjustment" is displayed.
You can adjust the lateral slope angle of Surface freely to a certain angle by pressing "Cross slope adjustment".



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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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