TEN00637-03

Operation & Maintenance Manual

BULLDOZER

D37EXi -23
D37PXi -23
D39EXi -23
D39PXi -23

SERIAL NUMBERS

D37EXi- 80179
D37PXi- 80179
D39EXi- 90404
D39PXi- 90404

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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GENERAL PRECAUTIONS COMMON TO OPERATION AND MAINTENANCE

(D37-1130-010-A-00-A)

Mistakes in operation, inspection, or maintenance may result in serious personal injury or death. Before carrying out operation, inspection, or maintenance, always read "Safety", Operation and Maintenance Manual of standard machines (D37EX-23, D37PX-23, D39EX-23, D39PX-23) and this manual carefully and obey the warnings.

PRECAUTIONS FOR BLADE AUTOMATIC CONTROL

(D61-LL80-012-K-01-A)

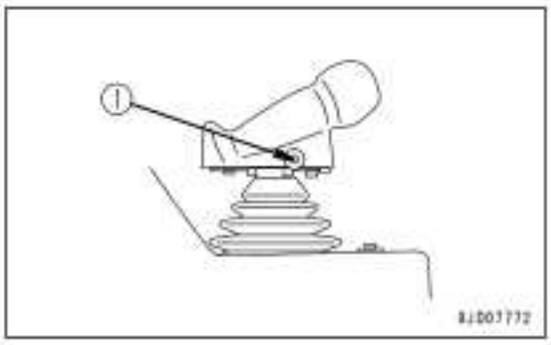
- While the automatic control of blade is in operation, the blade moves even if the operator does not operate the blade control lever.
  Before turning the automatic control of blade ON, check thoroughly that there are no persons or obstacles in the area around the machine.
- While the automatic control of blade 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 automatic control of blade restarts.
  While the automatic control of blade 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 the automatic control of blade OFF and turn the control box power supply OFF.

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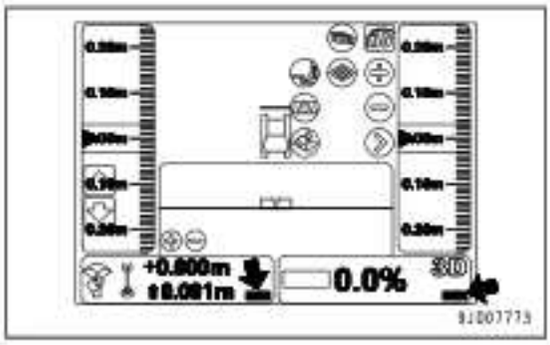
HANDLING AUTOMATIC BLADE CONTROL (D61-LL80-001-K-04-A)

ACTIVATE AUTOMATIC BLADE CONTROL (D61-LL80-100-K-07-A)

1. Press Auto/Manual switch (1) to turn the automatic control of blade OFF.

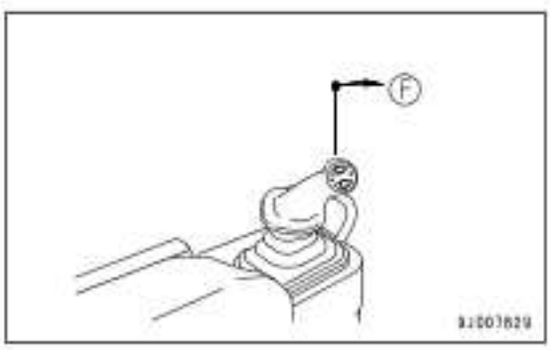


When the automatic control of blade is turned ON, "AUTO" is displayed on the control box screen.





2. Place the joystick (steering, directional and gear shift lever) in FORWARD position (F).



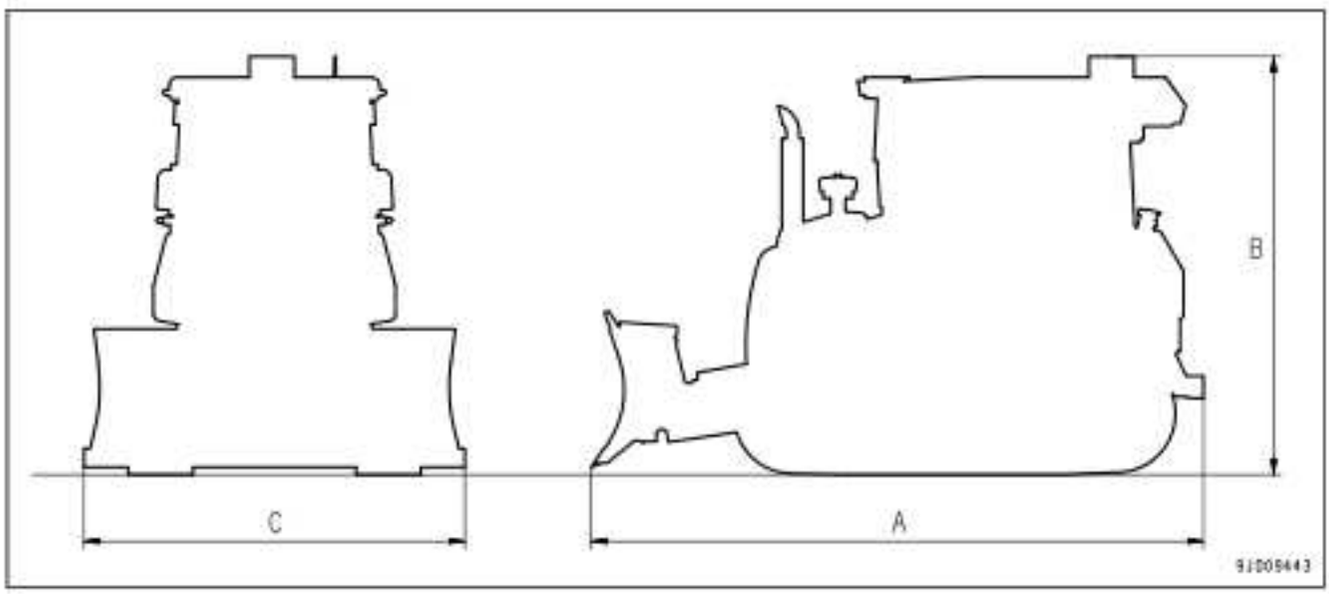
3. Perform the LOWER trigger operation.
   (Only when the height of tip of blade is higher than the design surface and height of the ground where the track shoe contacts)
   For the operation, see the following (LOWER trigger operation method).
4. Drive the machine.
   The automatic control of blade starts.

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D39EXI-23: Power angle and power tilt dozer with ROPS cab
D39PXI-23: Power angle and power tilt dozer with ROPS cab

	Item		Unit	D39EXI-23	D39PXI-23
	Machine weight		kg (lb)	9,490 (20,925.5) (*1) 9,350 (20,616.8) (*2)	9,910 (21,851.6) (*1) 9,770 (21,542.9) (*2)
	Engine model		-	Komatsu SAA4D95LE-6B diesel engine	
	Rated horsepower	SAE J1995 (Gross)	kW {HP}/ min^{-1} {rpm}	80 {107}/ 2,200 {2,200}	
		ISO 9249/ SAE J1349 (Net)		78.4 {105}/ 2,200 {2,200}	
A	Overall length		mm (ft in)	4,385 (14' 5")	4,385 (14' 5")
B	Overall height (to tip of KOMTRAX antenna)		mm (ft in)	3,015 (9' 11") (*1) 3,010 (9' 11") (*2)	3,015 (9' 11") (*1) 3,010 (9' 11") (*2)
C	Overall width Value in [ ] is for narrow blade		mm (ft in)	2,710 (8' 11")	3,250 (10' 8") [2,980 (9' 9")]
	Travel speed (Quick shift mode)	Forward	km/h (MPH)	3.4/5.6/8.5 (2.1/3.5/5.3)	
		Reverse	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)	

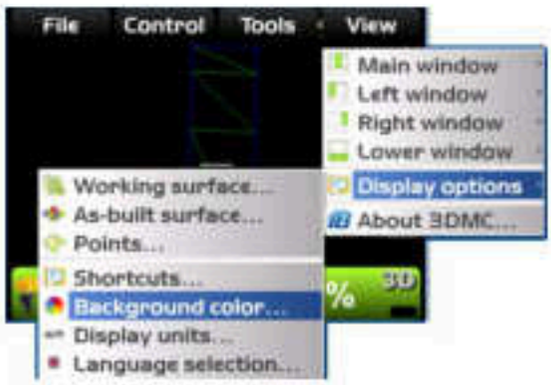
(*1): PLUS type track shoes
(*2): Conventional type track shoes



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BACKGROUND COLOR DISPLAY OPTIONS (D61-LL8B-100-K-15-A)

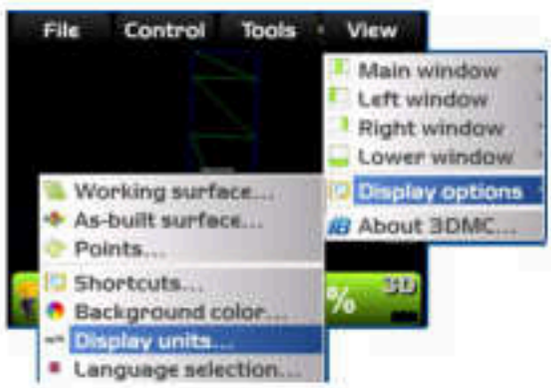
1. To change the background color of the Main Screen, press **iB Logo** → **View** → **Display options** → **Background color**.
2. Select a color from the **Color Selection** screen and press **Ok**.





UNITS DISPLAY OPTIONS (D61-LL8B-100-K-16-A)

1. To set the type of units used in the job, press **iB Logo** → **View** → **Display options** → **Display units**.



2. Select the display unit options from the drop-down box and press **Ok**.



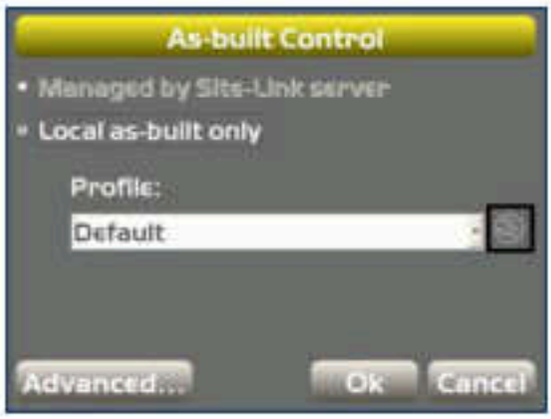
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SETTING AS-BUILT CONTROL OPTIONS (D61-LL89-100-K-01-A)

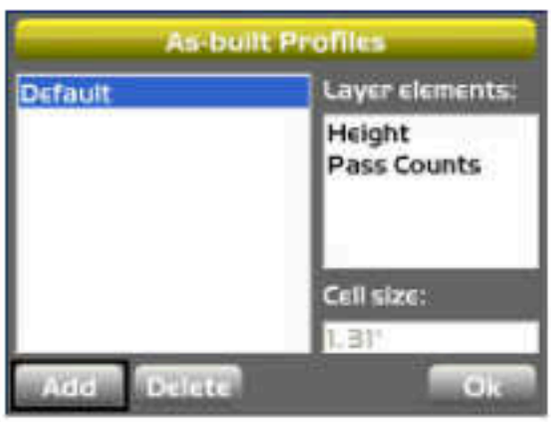
1. Press **iB Logo** → **Control** → **As-built control**.



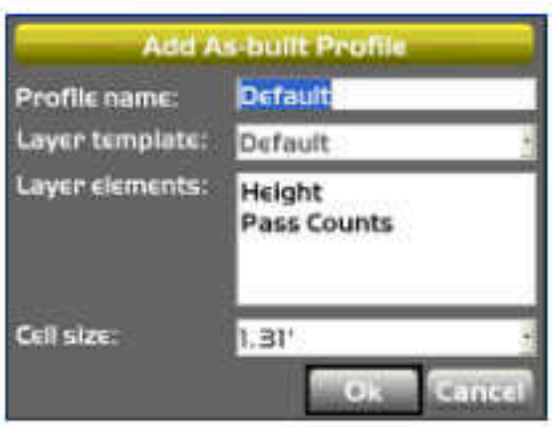
2. Press **Wrench Mark** button.



3. Press **Add** button.



4. Create a As-built Profile.
5. Press **OK**.



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