TEN00616-04

Operation & Maintenance Manual

BULLDOZER

D61EXi -23
D61PXi -23

SERIAL NUMBERS 30324 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 (D61-1130-010-A-00-A)

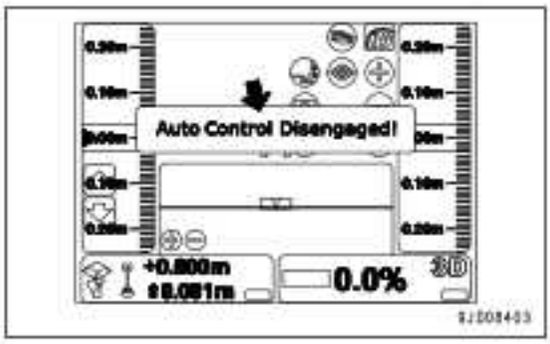
Mistakes in operation, inspection, or maintenance may result in serious personal injury or death. Before performing operation, inspection, or maintenance, always read "Safety", Operation and Maintenance Manual of standard machines (D61EX-23, D61PX-23) and this manual carefully and obey the warnings.

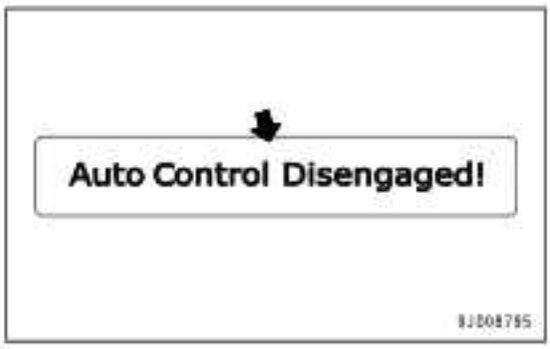
PRECAUTIONS FOR BLADE AUTOMATIC CONTROL (D61-LL80-012-K-01-A)

- 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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When the automatic control of blade is switched from ON to OFF, pop-up message "Auto Control Disengaged!" appears on the control box screen.





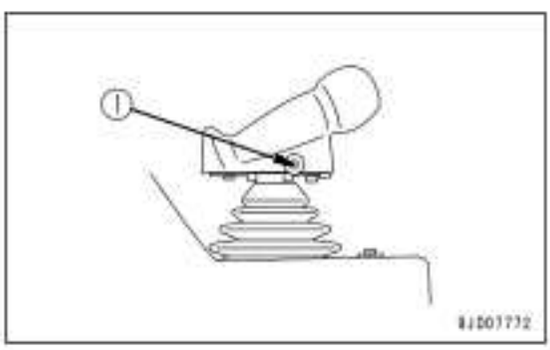
REMARK

While "AUTO" is not displayed on the control box screen, the automatic control of blade is not turned ON.
When you restart the automatic control of blade, press auto/manual switch (1) again to display "AUTO" on the control box screen.

WHEN THE AUTOMATIC CONTROL OF BLADE IS AUTOMATICALLY TURNED OFF

In the following conditions, even if auto/manual switch (1) is not pressed, the automatic control of blade is automatically turned OFF.

- When the machine is stopped for 30 seconds or more.
- When the tip of blade protrudes out of the designed range.
- The number of GNSS satellites which can receive the electric wave is decreased.
- When the electric wave from the Base station can not be received.
- When the starting switch of the machine is turned to OFF position.
- If there is an abnormality in the system such as open circuit, etc.



When the automatic control of blade is automatically turned OFF, pop-up message "Auto Control Disengaged!" appears and at the same time, notice sound "Prr" is heard.
At this time, "AUTO" disappears from the control box screen.

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TRANSPORTATION (D61-0000-810-K-00-A)

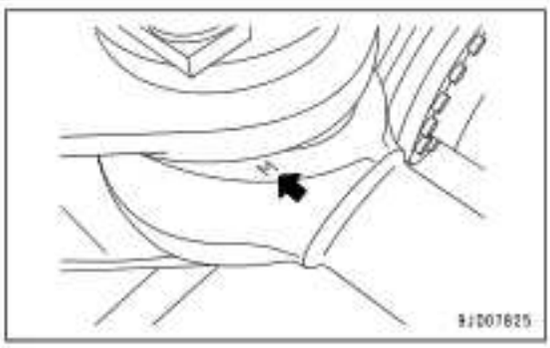
Transporting the Machine
Contact your Komatsu distributor when transporting the machine.
The overall height and machine weight, the GNSS antenna bracket and the cylinder stroke sensor on the work equipment cylinders are different from the non-ICT machine. For the overall weight of the machine, see "SPECIFICATIONS (PAGE 4-2) ".

NOTICE
Do not allow the cylinder to rotate when work equipment is not attached. If removing the GNSS antenna bracket to shorten overall height, remove radio device antenna first.

PRECAUTIONS WHEN INSTALLING WORK EQUIPMENT (D61-LLK0-92F-K-02-A)

When installing the blade after transportation, pay attention to the direction of LH angle cylinder.

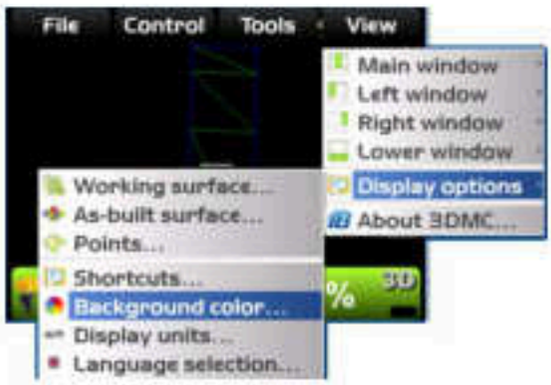
Face "M" stamp upward and install the blade.



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

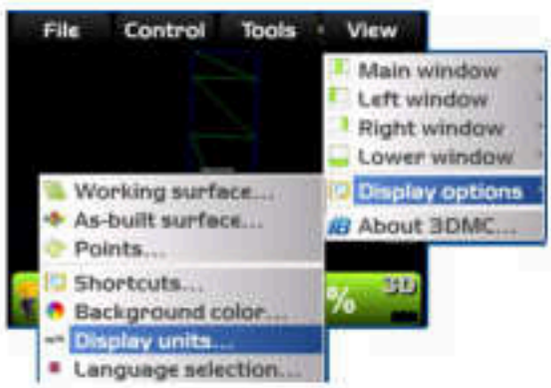
1. To change the background color of the Main Screen, press **iB Logo** → **View** → **Display options** → **Background color**.
2. Select a color from the **Color Selection** screen and press **Ok**.





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**.



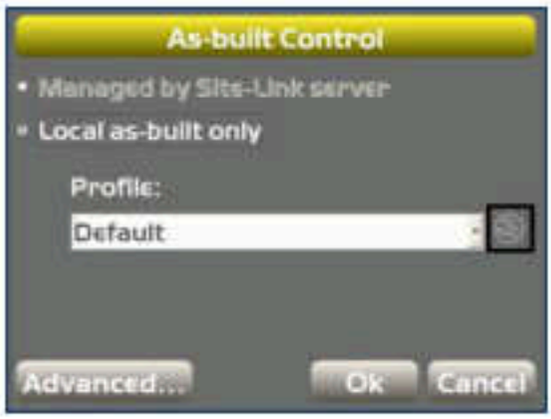
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SETTING AS-BUILT CONTROL OPTIONS (D61-LL89-100-K-01-A)

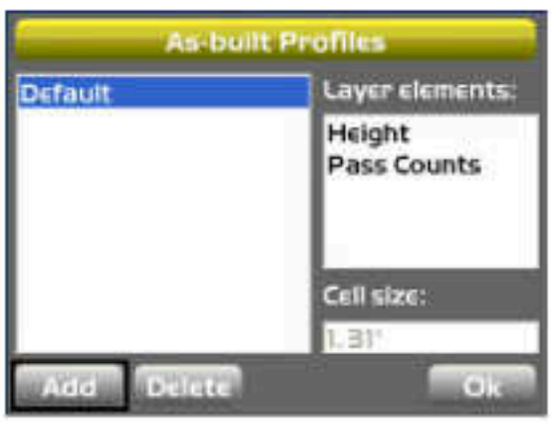
1. Press **iB Logo** → **Control** → **As-built control**.



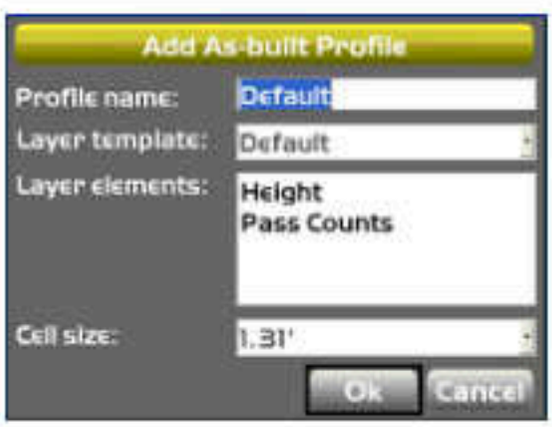
2. Press **Wrench Mark** button.



3. Press **Add** button.



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



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