KEAM077500

Operation & Maintenance Manual

D51EXi-24

D51PXi-24

DOZER

SERIAL NUMBERS	D51EXi-24 B20001 and up D51PXi-24 B20001 and up
ENGINE	4D107E-3

June 2017

KOMATSU®

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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.)

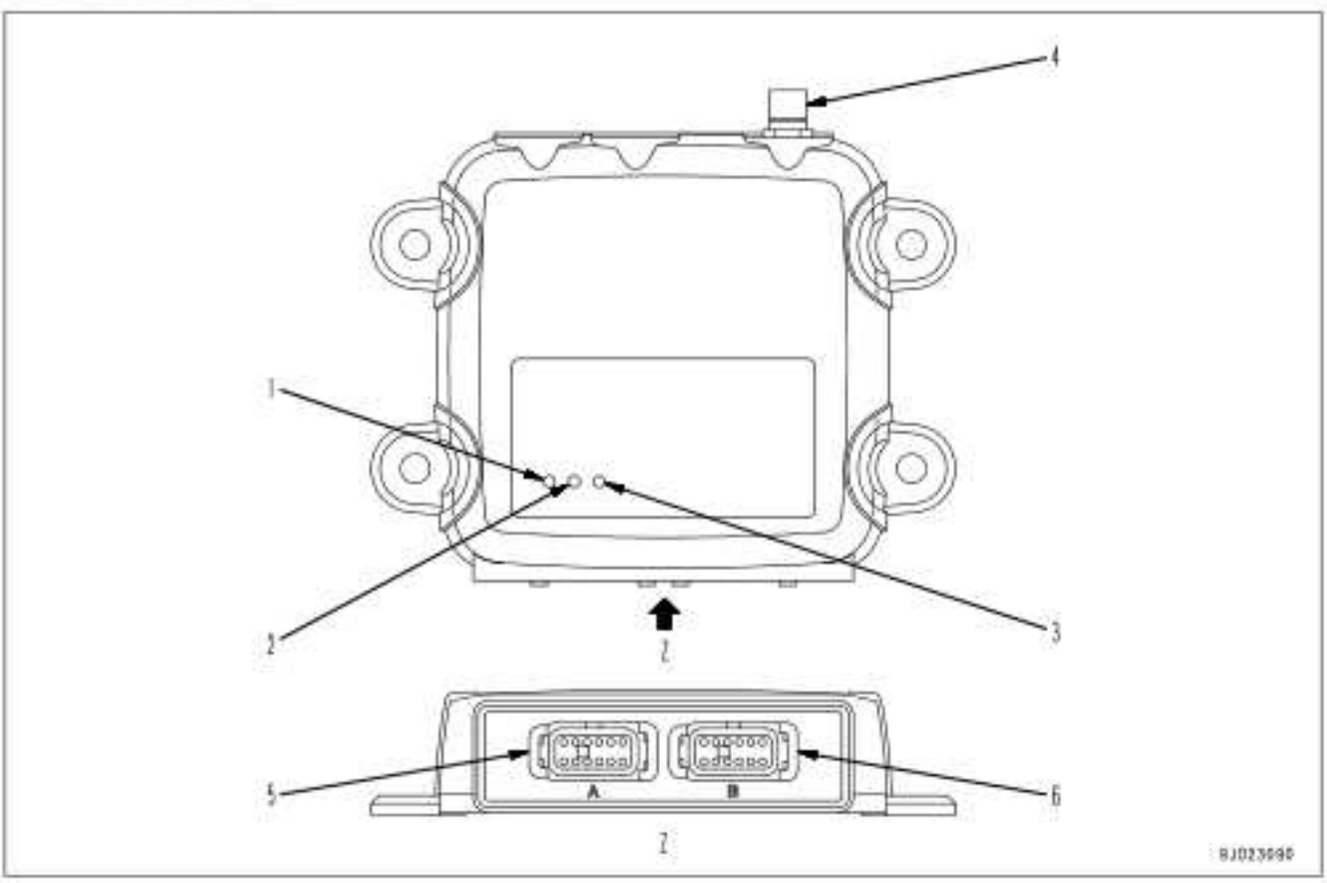
NETWORK MODEM

(if equipped)

The network modem is a necessary terminal for 3G communication in order to obtain the satellite compensation information via network, and connect the construction management system such as the Sitelink3D.

NOTICE

When using the network modem, Komatsu recommends using Komatsu genuine network modem antenna (option).
If other antenna than Komatsu genuine part is used, it may not be complied with the regulations in the country or area where the machine is used. This is because the network modem is a wireless device which uses radio wave.



(1) Power supply state LED
(2) Communication state LED
(3) Bluetooth state LED
(4) Antenna connecting port
(5) Connector port 1
(6) Connector port 2

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TRANSPORTATION

Transporting the Machine

Contact your Komatsu distributor when transporting the machine.

The overall height and machine weight, the network modem antenna, the GNSS antenna bracket and the cylinder stroke sensor on the work equipment cylinders are different from the non-ICT machine.

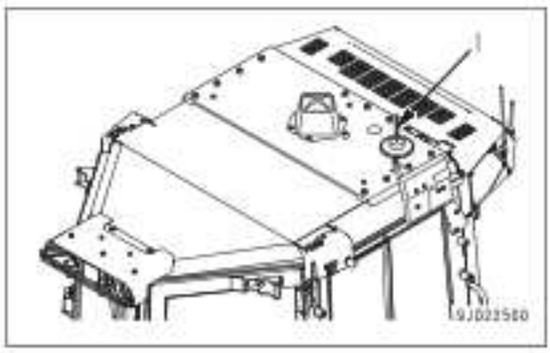
NOTICE

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.

REMOVE RADIO DEVICE ANTENNA CABLE

When transporting the machine, remove radio antenna (1).

	Overall height (mm {ft in})
When radio antenna is not removed	3370 {11' 1"}
When radio antenna is removed	3175 {10' 5"}

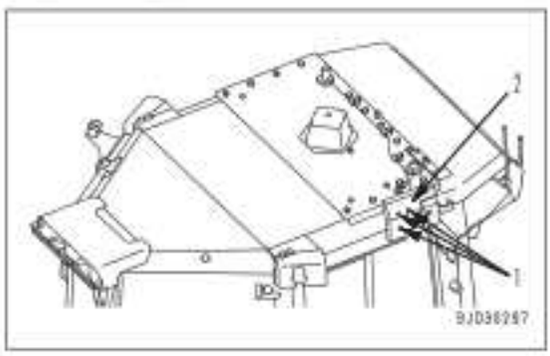


REMOVE AND INSTALL ANTENNA FOR NETWORK MODEM

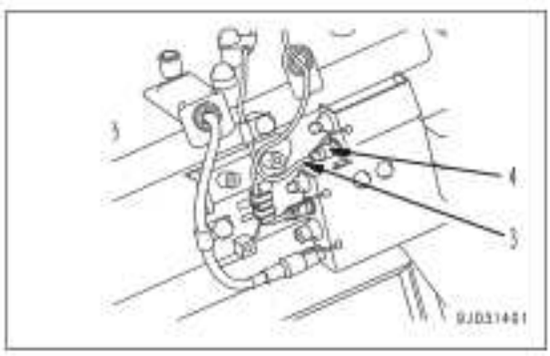
(if equipped)

METHOD FOR REMOVING ANTENNA FOR NETWORK MODEM

1. Remove the bolts (1), and remove the cover (2).



2. Disconnect the cable (3) of the network modem antenna from the connector (4).



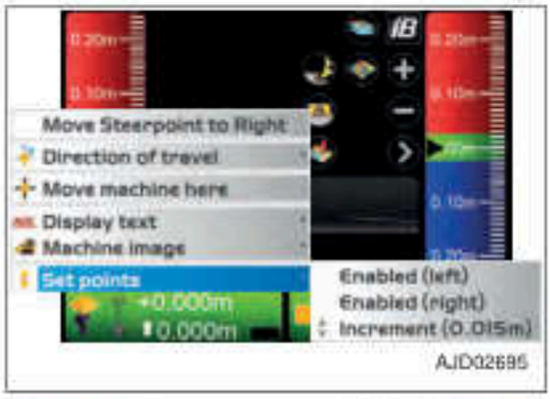
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METHOD FOR ADJUSTING CUT/FILL OFFSETS (POP-UP MENU)

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.



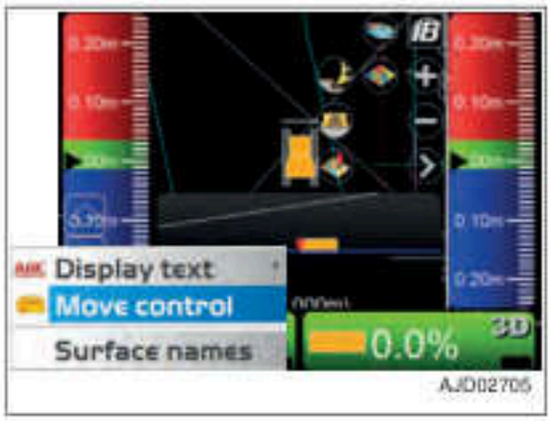
REMARK

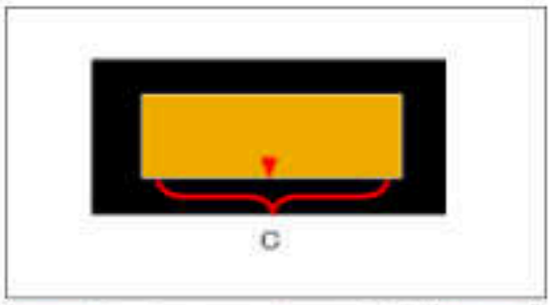
If you press "Enabled (right)" in "Set points", "Cross slope adjustment" is displayed.
You can adjust the lateral slope angle of Surface freely to a certain angle by pressing "Cross slope adjustment".



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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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