TEN00767-02

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC210LCi-11

SERIAL NUMBERS 500470 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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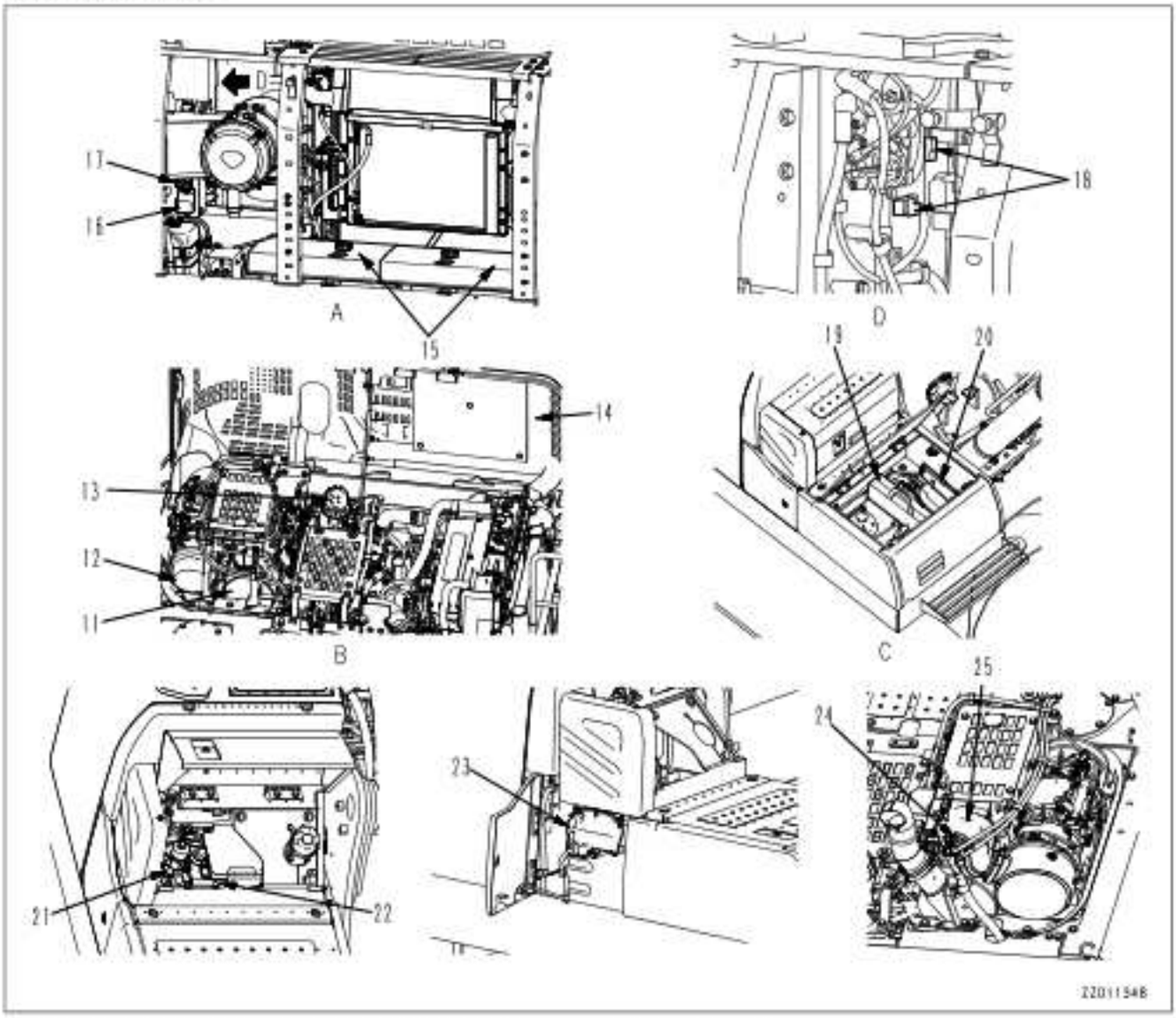
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Details of A to D part



(11) Selective Catalytic Reduction (hereafter SCR)

(12) Komatsu Diesel Particulate Filter (hereafter KDPF)

(13) Komatsu Closed Crankcase Ventilation (hereafter KCCV) ventilator

(14) Engine hood

(15) Battery

(16) Battery disconnect switch

(17) System operating lamp

(18) Fusible link

(19) Toolbox

(20) Grease pump holder

(21) DEF tank

(22) DEF hose

(23) DEF pump

(24) DEF injector

(25) DEF mixing tube

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METHOD FOR MEASURING TOOTH LENGTH AND INPUTTING VALUE

1. Measure the dimension (1) of tooth length with a tape measure, etc., and input the value.

   Dimension (1) is the distance between root and tip of the tooth.

   Measure the length dimension to mm unit and input it.

   You can input the numeric value within the range shown below.

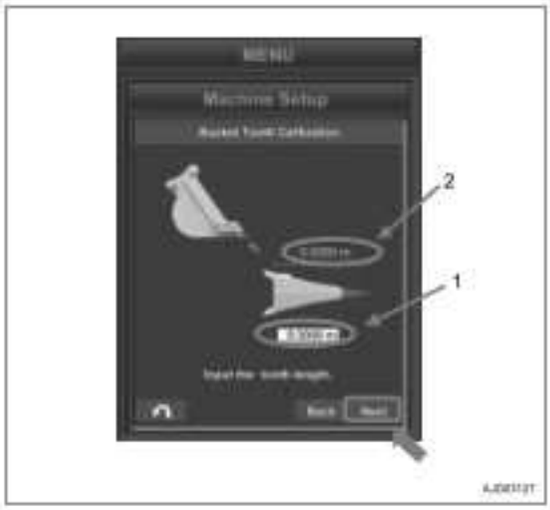
   Input range of the value, Min: 0.0001 m to Max: 2.9999 m

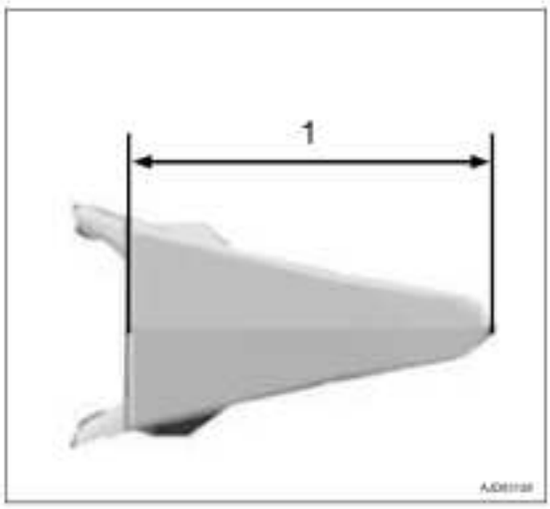
2. Tap the "Next" button after the inputting is completed.

   If any numeric value column is empty, "Next" button is invalid.

   REMARK

   Dimension (2) is the tooth length which has been input and saved by Komatsu controller.





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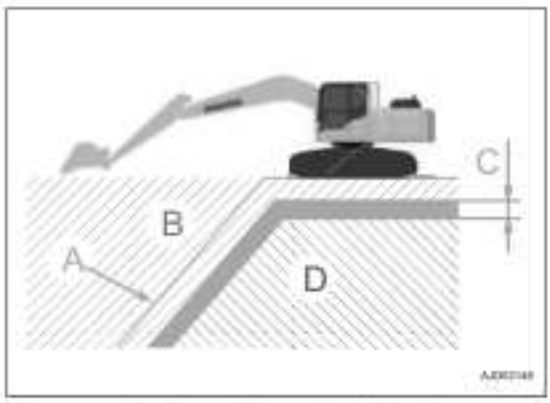
WORKING MODE

You can switch between semi-auto mode and manual mode by using the auto/manual switch on the control box and the control lever.

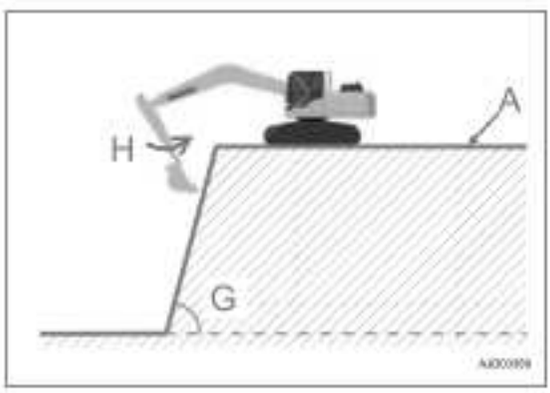
Semi-auto mode

Semi-auto mode performs the following controls automatically.

Auto grade assist (when the arm is operated)



- The boom automatically rises so that the bucket does not dig deeper than the design data(A) when arm is operated.
  The boom rises as needed even if the operator performs boom LOWER operation.
  This controls not only the bucket edge but also the outline of the bucket not to dig deeper than the design data. (minimum distance control)
- This control is applied to the slope design surface (A) in which the angle (G) is less than 70 °. On the slope design surface in which the angle (G) is 70 ° or more, the working mode becomes auto stop control when arm IN operation (H), and it automatically stops the work equipment not to dig deeper than the design surface (A).

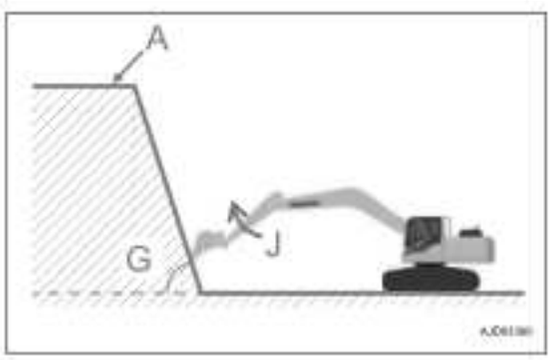


- The working mode becomes the manual mode for the slope surface in which the angle (G) is 70 ° or more when arm OUT (J) is operated.

  (The working mode becomes the auto stop control when bucket operation or boom LOWER is operated.)
- The operation differs depending on the amount of digging if the bucket digs in the design data (A).
  (B) Less than 300 mm {1 ft 0 in}: Machine operates not to dig in with the auto grade assist.

  (C) 300 mm {1 ft 0 in} or more and less than 500 mm {1 ft 8 in} : Auto grade assist operates.

  (D) 500 mm {1 ft 8 in} or more: Manual mode operates.



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METHOD FOR SETTING AVOIDANCE DATA PROXIMITY

The area of Avoidance Data can be selected.

1. Tap "Proximity..." button on the setting screen of Avoidance Data.

   The screen changes to the numeric keypad screen.



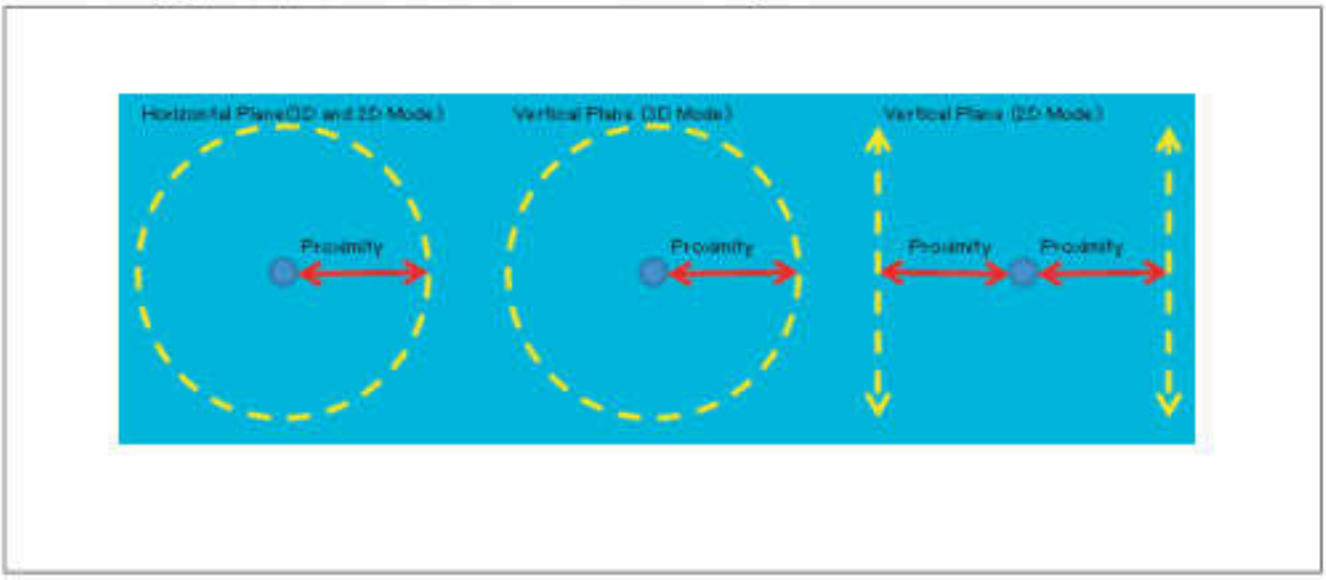
2. Input the desired area, and tap OK button.

   Selected Proximity is displayed.



Proximity varies depending on the shape of Avoidance Data.

Proximity by the shape of Avoidance Data is shown in the figure.



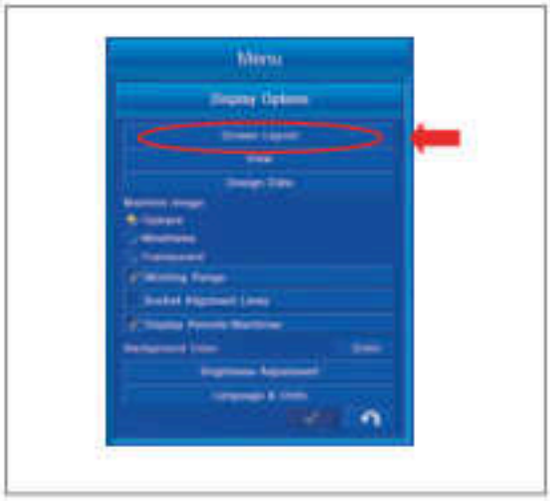
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SCREEN LAYOUT SETTINGS

With "Display Options", you can set and edit for following items.

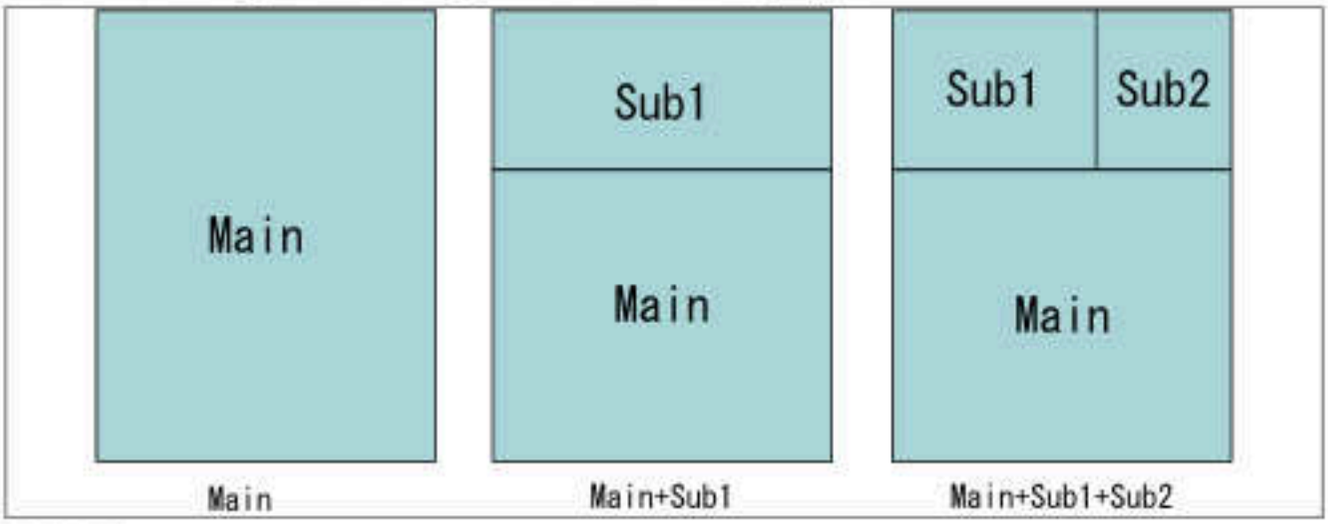
Perform the layout setting of the working screen.

Tap "Screen Layout" button on "Display Options" screen, the screen changes to the layout setting screen of the working screen.



SCREEN LAYOUT

You can select the layout of the working screen from the following 3 types.



REMARK

When Drive mode is selected, you cannot set the Screen Layout of "Main+Sub1+Sub2"

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