CEAM032400

Operation & Maintenance Manual

PC490LCi-11

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC490LCi-11 A45001 and up

ENGINE 6D125E-7

July 2016

KOMATSU®

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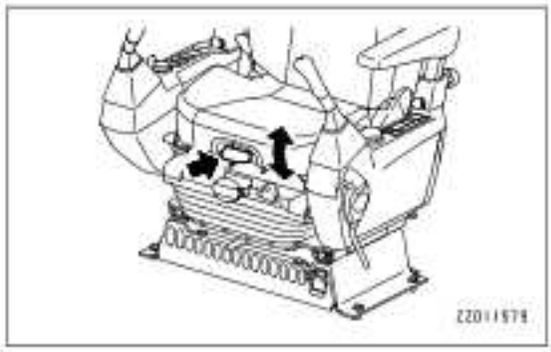
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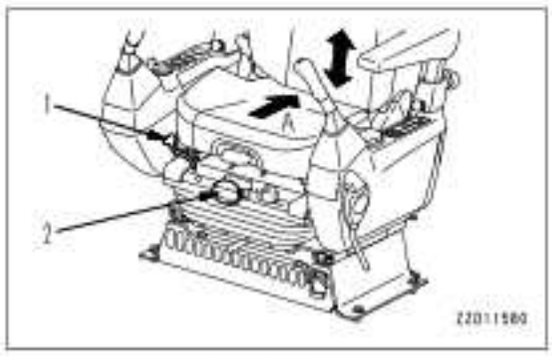
- To raise the front of the seat, apply your weight to the rear of the seat, while pulling up lever.
- To lower the front of the seat, apply your weight to the front of the seat, while pulling up lever.

Tilt adjustment: Up 5° , down 5° (3 stages)



METHOD FOR ADJUSTING SEAT HEIGHT

Pull up the height adjustment lever (1) to move the seat backward (A), then turn handle (2) to adjust the height.
Height adjustment: 75 mm {3 in}

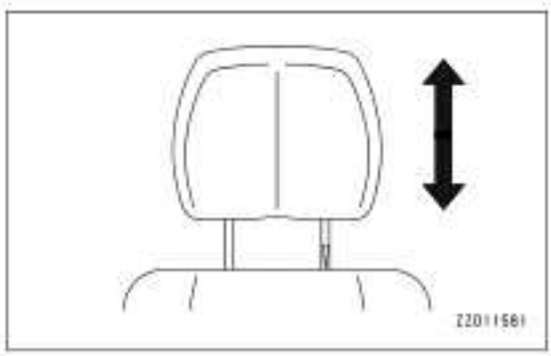


METHOD FOR ADJUSTING HEADREST IN VERTICAL DIRECTION

Move the headrest up or down to the desired height.
Amount of adjustment: 60 mm {2.4 in} (2 stages)

NOTICE

When adjusting the headrest height, operate it so that the shaft of the headrest becomes straight. If it is forcibly twisted, the installation part may be broken.



METHOD FOR ADJUSTING ARMREST HEIGHT

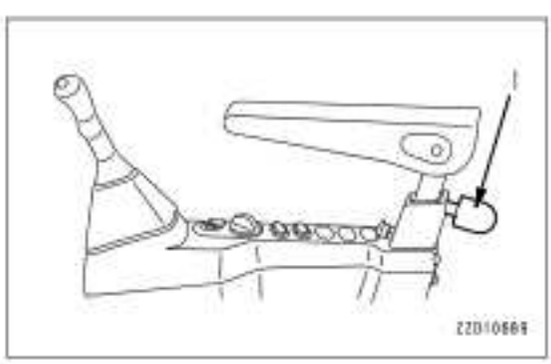
⚠ CAUTION

Firmly tighten the knob. If it is found loosened, tighten it further.

Height of the armrest can be adjusted up or down by using the knob at the rear of the armrest.

Armrest height adjustment: 43 mm {1.7 in} (4 steps)

1. Loosen knob (1) at the rear of the armrest.
2. Pull plunger (2).



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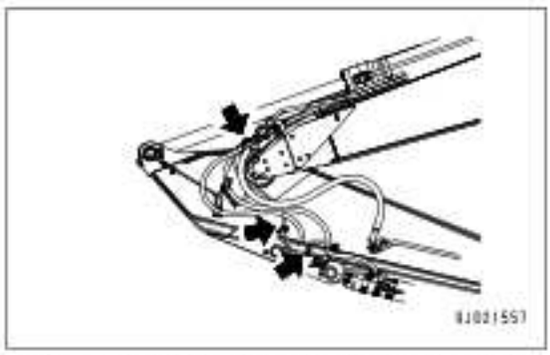
MAINTENANCE PROCEDURE

EVERY 500 HOURS MAINTENANCE

Maintenance for every 50 and 250 hours should be performed at the same time.

METHOD OF CHECKING LOOSENESS OF BUCKET CYLINDER STROKE SENSOR WIRING HARNESS CLAMP, HARDENING OF RUBBER

Check visually and by touching with hand that there is no loose clamp mounting bolts and no hardening of the rubber for the bucket cylinder stroke sensor wiring harness.
Replacement is required if any trouble is found. Ask your Komatsu distributor for that work.



METHOD OF CHECKING AND CLEANING CYLINDER STROKE SENSOR CASE BOLT

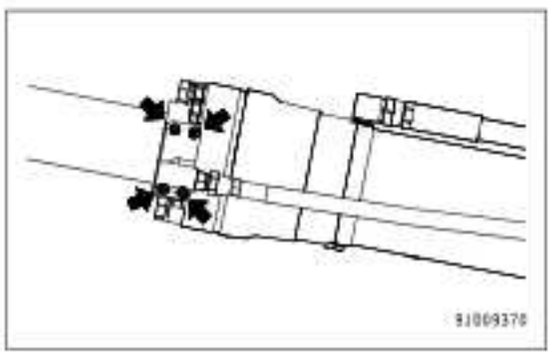
⚠ WARNING

If compressed air, high-pressure water, or steam hits your body directly or dirt is scattered by the compressed air, high-pressure water, or steam, there is a danger of personal injury. Wear protective equipment such as protective eyeglasses and dust mask.

Check if the dirt and dust are accumulated in the hexagonal hole of bolt for cylinder stroke sensor case. If the dirt and dust are accumulated, clean it.

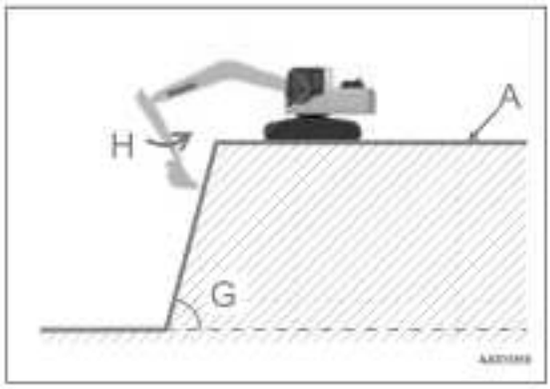
NOTICE

If the dirt and dust accumulated in the hexagonal hole of bolt for sensor case are left without cleaning, the dirt and dust stick and bolt cannot be removed.



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- This control operates for the slope design data (A) of angle (G) is 70 ° and below. For the slope design data of angle (G) is 70 ° and above, it becomes the auto stop control in arm IN operation (H), and it automatically stops the work equipment not to dig deeper than the design data (A).

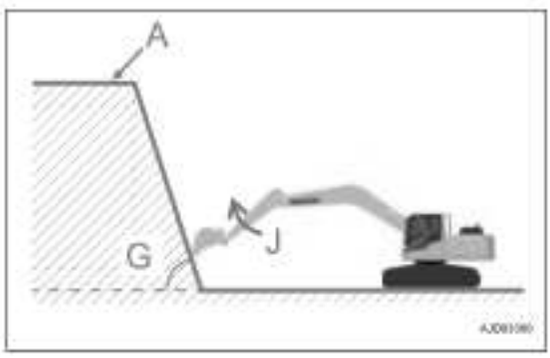


- The working mode becomes the manual mode for the slope surface of angle (G) is 70 ° and above when arm OUT (J) is operated.

  (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 500 mm {1 ft 8 in}: Machine operates to extinguish the digging in amount with the auto grade assist.

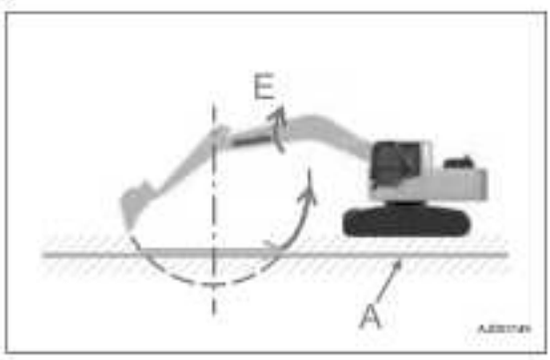
  (C) 500 mm {1 ft 8 in} and above, 700 mm {2 ft 4 in} less than: The auto stop control operates.

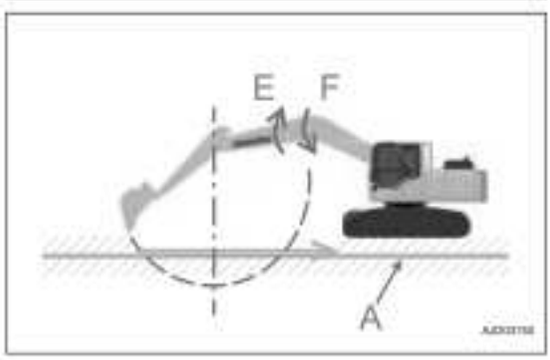
  (D) 700 mm {2 ft 4 in} and above: It changes to manual mode.



At finishing

- (E): Operation can be performed by the arm control lever only.
- (F): By operating arm control lever with boom LOWER control lever, you can move the bucket edge along to the design data for all working area.

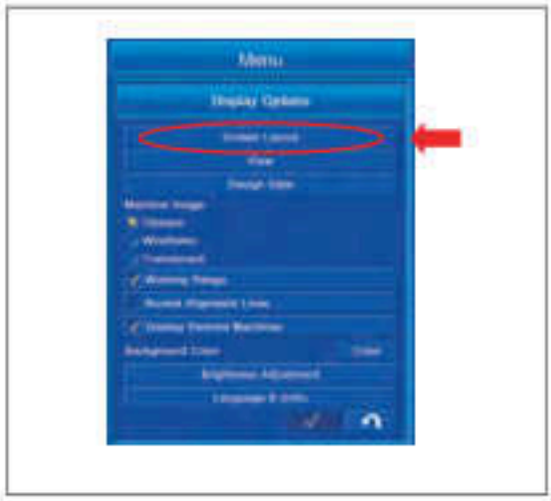




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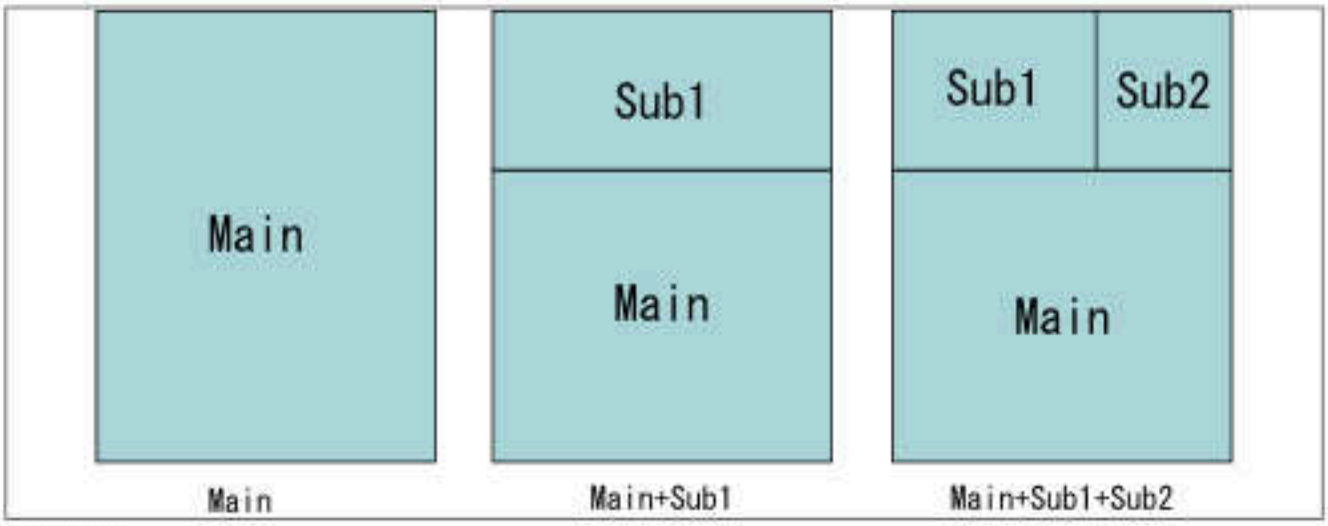
Perform the layout setting of the working screen.

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"

METHOD FOR SETTING SCREEN LAYOUT FOR DRIVING

You can perform the display setting for Driving mode.

Display setting can be saved in "Driving1" and "Driving2".

Tap "Driving1" tab on the setting screen of "Screen Layout". You can perform the display setting of "Driving1" screen.

(1) "Pop-Up Map"

Pops up the wide area map on the working screen.

(2) "Facing Angle Compass"

Displays Facing Angle Compass on the working screen.

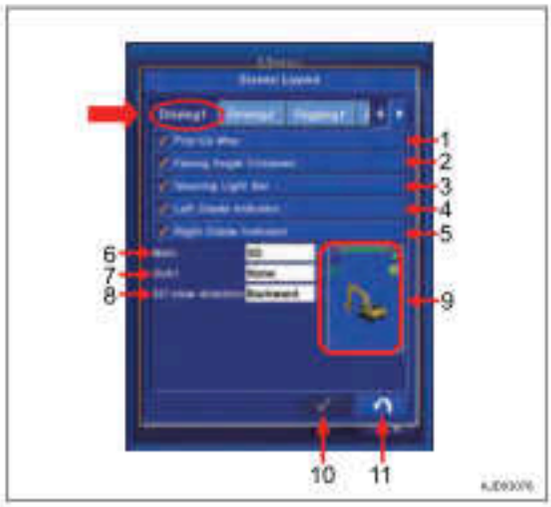
(3) "Steering Light Bar"

Displays Steering Light Bar on the working screen. It is displayed on the screen only when Surface of Alignment is displayed.

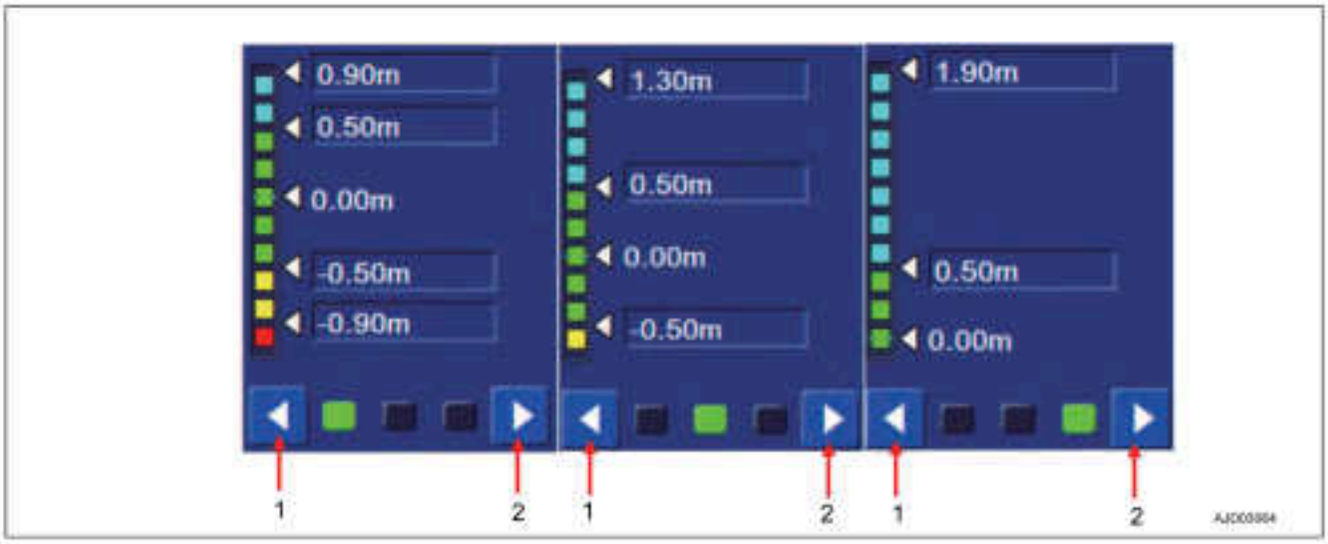
(4) "Left Grade Indicator"

Displays L.H. Grade Indicator (grade) on the working screen.

(5) "Right Grade Indicator"



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METHOD FOR SETTING SOUND VOLUME

1. You can set the volume of the Sound for each color of the Light Bar.

   Tap the button (1) and the volume decreases.

   Tap the button (2) and the volume increases.

   REMARK

   Each time the button (1) or (2) is tapped, the green indicator decreases or increases.



2. There are 2 green tolerances of the Light Bar, and the Sound Volume can be set separately for the position of the bucket edge either above Surface or below Surface.

   (3): The volume can be set in the case that the bucket edge is within the green range of the Light Bar, and above the Surface.

   (4): The volume can be set in the case that the bucket edge is within the green range of the Light Bar, and below the Surface.



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