CEAM029003

Operation & Maintenance Manual

PC210LC-11

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC210LC-11 A12001 and up

ENGINE 6D107E-3

December 2016

KOMATSU®

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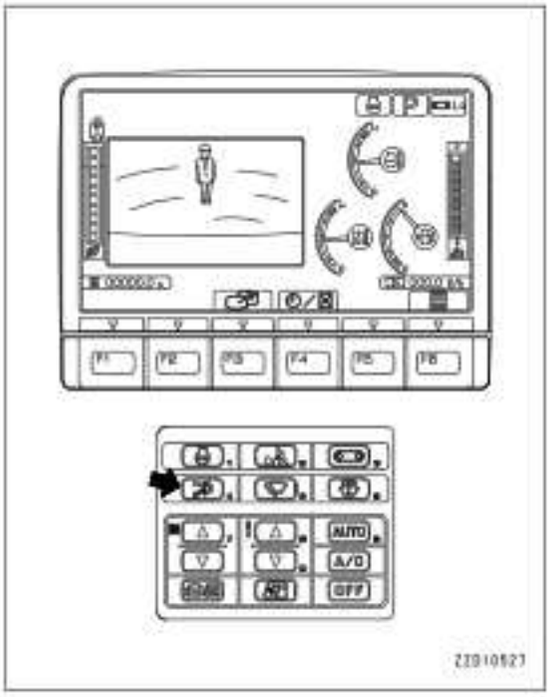
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REMARK

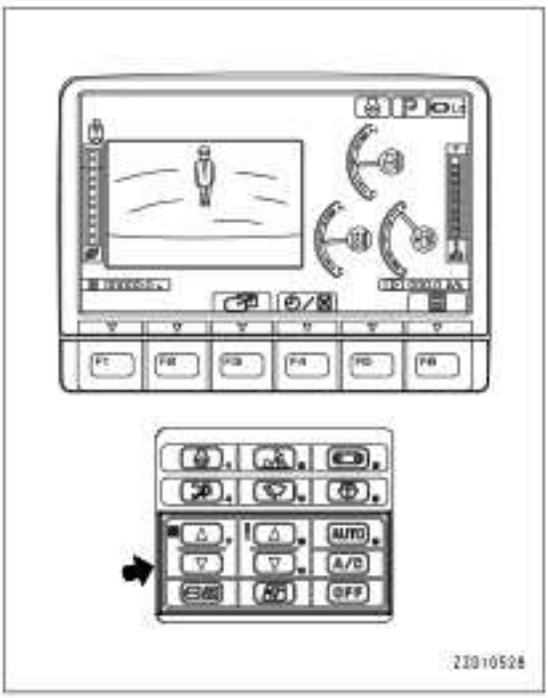
The buzzer cannot be stopped according to the content of the warning.



AIR CONDITIONER SWITCH

The air conditioner switch consists of 9 switches.

For explanation of each switch, see "HANDLE AIR CONDITIONER".



FUNCTION SWITCHES

The operation of the function switches in the standard screen

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Measurement is easier if you move the bucket to one side so that all the play can be measured at 1 place (the right side in the figure).

Use a feeler gauge for easy and accurate measurement.

3. Loosen plate mounting bolts (2) (4 pieces) and loosen plate (3).

   The shim is a split type, so the work can be performed without removing the bolts.

4. Remove shim (4) corresponding to the amount of play "a".

   For shim (4), 2 types of 1.0 mm {0.04 in} and 0.5 mm {0.02 in} are installed.

   When play "a" is smaller than 1 shim, do not adjust it.

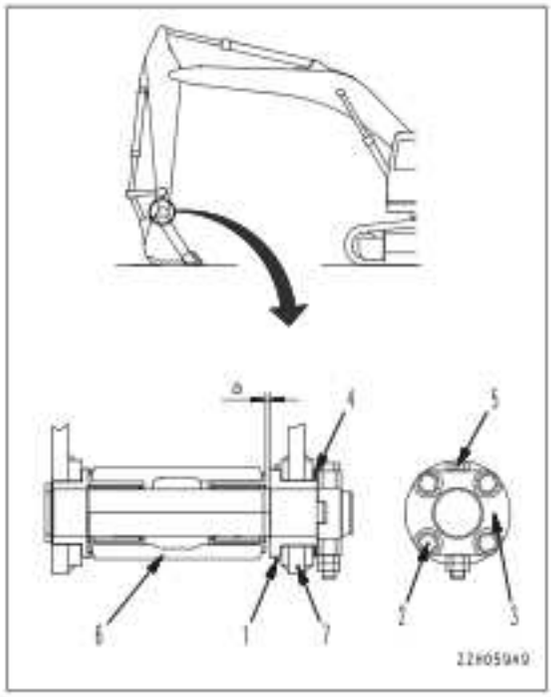
5. Tighten bolts (2) (4 pieces).

   If bolts (2) are too stiff to tighten, pull out pin stopper bolt (5) for easier tightening.

   (6) Arm

   (7) Bucket

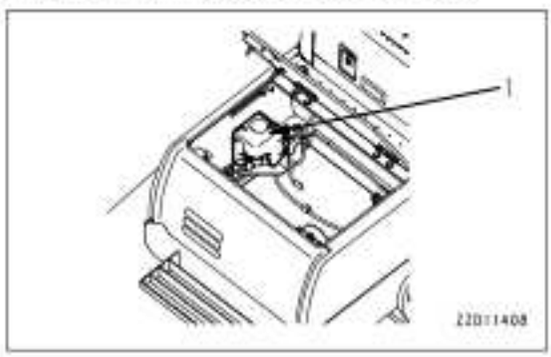
[Example] In the case of play of 3 mm {0.12 in}, remove 1.0 mm {0.04 in} (2 pieces) shims and 0.5 mm {0.02 in} (1 piece) shim. Play becomes 0.5 mm {0.02 in}.



METHOD FOR CHECKING WINDOW WASHER FLUID LEVEL, ADDING FLUID

1. If air is in the window washer fluid, check the fluid level in window washer tank (1).
2. If the level is low, add window washer fluid for automobile.

   Be careful not to let dirt or dust get in when adding fluid.



Mixture ratio of pure washer fluid and water

The proper mixing proportion varies with the ambient temperature. Add washer fluid diluted with water at the following proportion.

Area, season	Mixing proportion	Freezing temperature
Normal	Washer fluid 1/3: water 2/3	-10 °C {14 °F}
Winter in cold district	Washer fluid 1/2: water 1/2	-20 °C {-4 °F}
Winter in extremely cold district	Pure washer fluid	-30 °C {-22 °F}

There are 2 types of -10 °C {14 °F} (for general use) and -30 °C {-22 °F} (for cold district). Use them properly according to the area and season.

METHOD FOR CHECKING AND MAINTENANCE AIR CONDITIONER

SERVICE ITEM

Some maintenance items of the air conditioner are to be inspected periodically and the others are to be inspected when required. Check and maintenance the air conditioner according to the following list to use it effectively.

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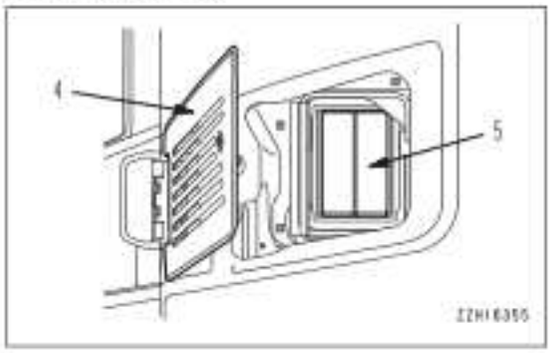
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- **The recirculation air filter must be installed in the correct direction.**
- **Install the filter so that protrusion (A) of filter (2) matches the groove of holder (3).**

4. Install the recirculation air filter.

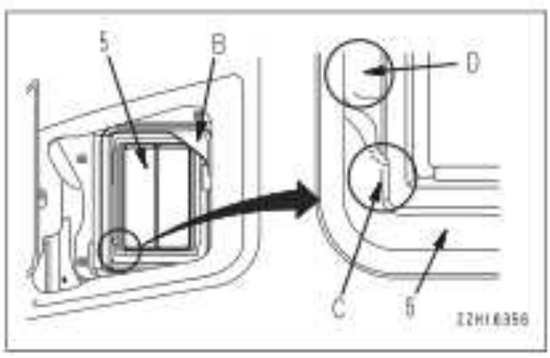
METHOD FOR CLEANING FRESH AIR FILTER

1. Unlock cover (4) at the rear left of the operator's cab with the starting switch key.
2. While holding cover (4) open, remove filter (5) inside it.



REMARK

- When removing, insert your finger into dent (D) of duct (6) and pull it toward you.
  If you grasp the filter with excessive force, it may be deformed or damaged.
- If the filter is damaged or deformed, replace it with new one.



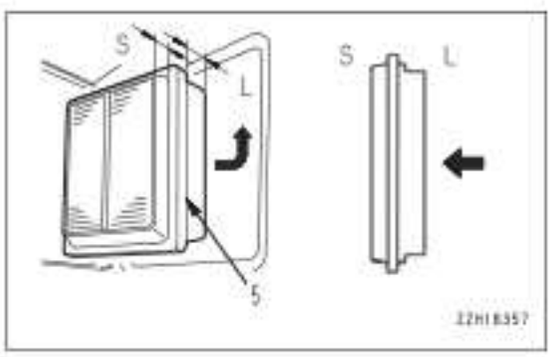
3. Clean the filter (5) with compressed air.

   Set the compressed air pressure below 0.49 MPa {5 kg/cm^2,71 PSI} and blow it in the arrow direction.

   If there is oil on the filter, or if the filter is extremely dirty, wash it in a neutral detergent. After rinsing it in water, dry it thoroughly before using it again.

   Replace the filter with a new one every year. If the clogging of the filter cannot be removed by blowing with air or washing in water, replace the filter immediately.

   If the filter is damaged or deformed, replace it with new one.



4. After cleaning, return filter (5).

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