CEAM025505

Operation & Maintenance Manual

PC490LC-10

HYDRAULIC EXCAVATOR

SERIAL NUMBERS	PC490LC-10 A40001 and up
ENGINE	6D125E-5

KOMATSU®

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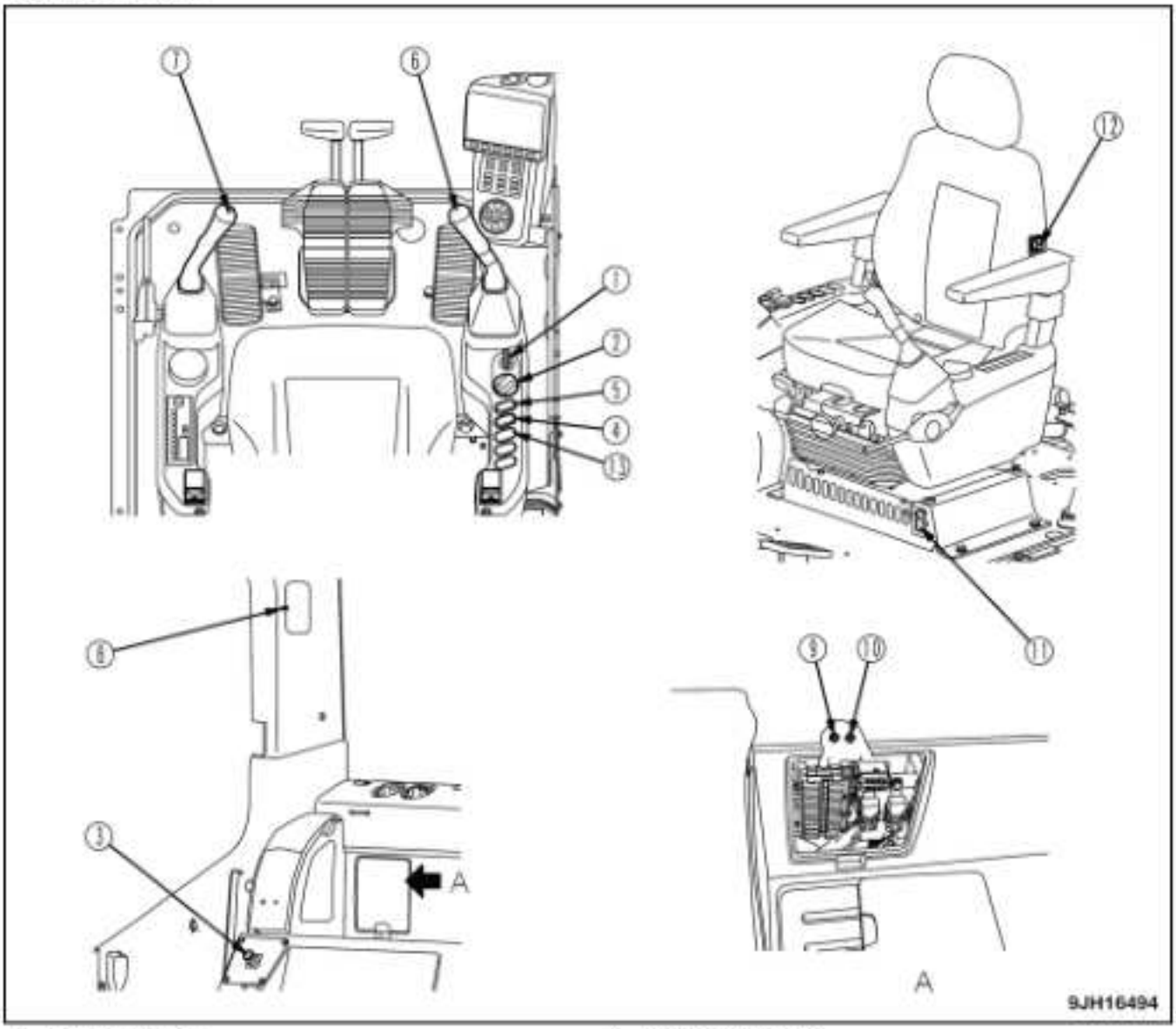
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SWITCHES



1. Starting switch
2. Fuel control dial
3. Cigarette lighter
4. Swing lock switch
5. Lamp switch
6. Horn switch
7. One-touch power max. switch
8. Room lamp switch
9. Emergency pump drive switch
10. Swing brake cancel switch
11. Engine shutdown secondary switch
12. Seat heater switch (If equipped)
13. Machine push-up switch

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Clean Air Conditioner Fresh/Recirc Filters

⚠ WARNING

If compressed air is used, there is danger that dirt may fly and cause personal injury.
Always wear protective glasses, dust mask, and other protective equipment.

Remark

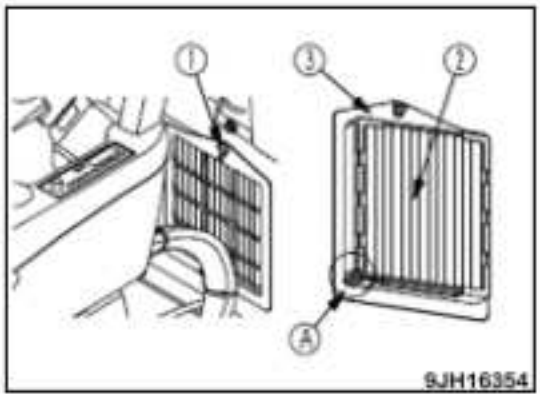
As a guideline, the filters should be cleaned every 500 hours, but on dusty jobsites, clean the filters more frequently.

Remark

If the filter becomes clogged, the air flow will be reduced, and there will be an abnormal noise from the air conditioner unit.

Cleaning Recirculated Air Filter

1. Remove wing bolts (1) from the inspection window at the bottom rear left on the inside of the operator's cab, then take out the recirculated air filter.
2. Clean the filter with compressed air. If there is oil on the filter, or if the filter is extremely dirty, wash it in a neutral agent. After rinsing it in water, dry it thoroughly before using it again.
   Replace the filter with a new part every year. If the clogging of the filter cannot be removed by blowing with air or washing in water, replace the filter immediately.



Remark

- *The RECIRC filter must be installed facing in the correct direction.*
- *Install the filter so that the protrusion of filter (2) matches the groove of folder (3).*

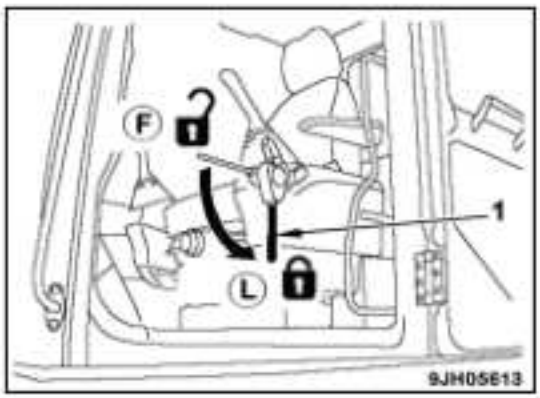
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Installing Counterweight

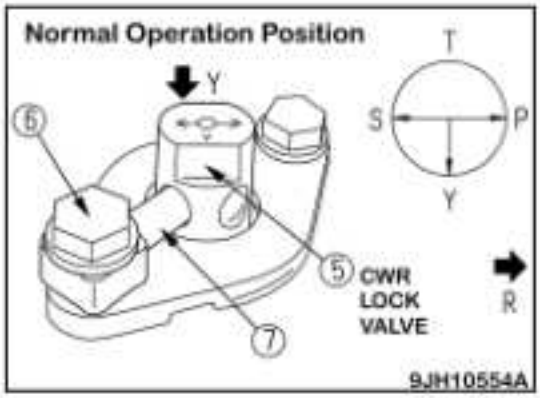
⚠ WARNING

When switching the remover control selector valve, make sure that the engine pauses.

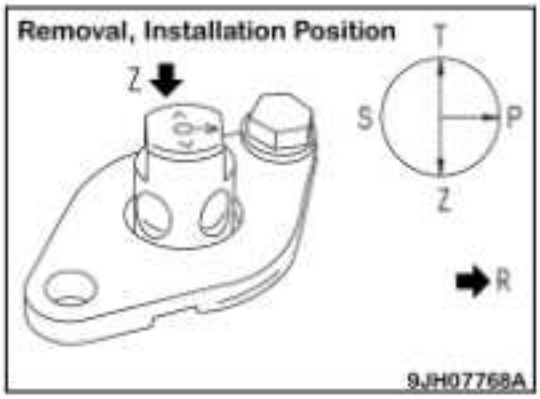
1. Make sure that lock lever (1) in the operator's cab is in the LOCK (L) position.



2. Switch remover control selector valve (5) to the counterweight REMOVAL/INSTALLATION position. The switching can be made in the following manner.
   A. Remove lock bolt (6).
   B. Turn remover control selector valve (5) counter-clockwise using lever (7) by 90°.
      - Turn to position the arrow stamped on the head of remover control selector valve (5) from view "Y" (normal operation position) to view "Z" (removal, installation position).



3. Reinstall locking bolt to ensure correct position.
   P : Pump port
   R : Rear of machine
   S : Main valve discharge port
   T : Remover discharge port
   Y : Direction of arrows when not using remover
   Z : Direction of arrows when removing or installing counterweight

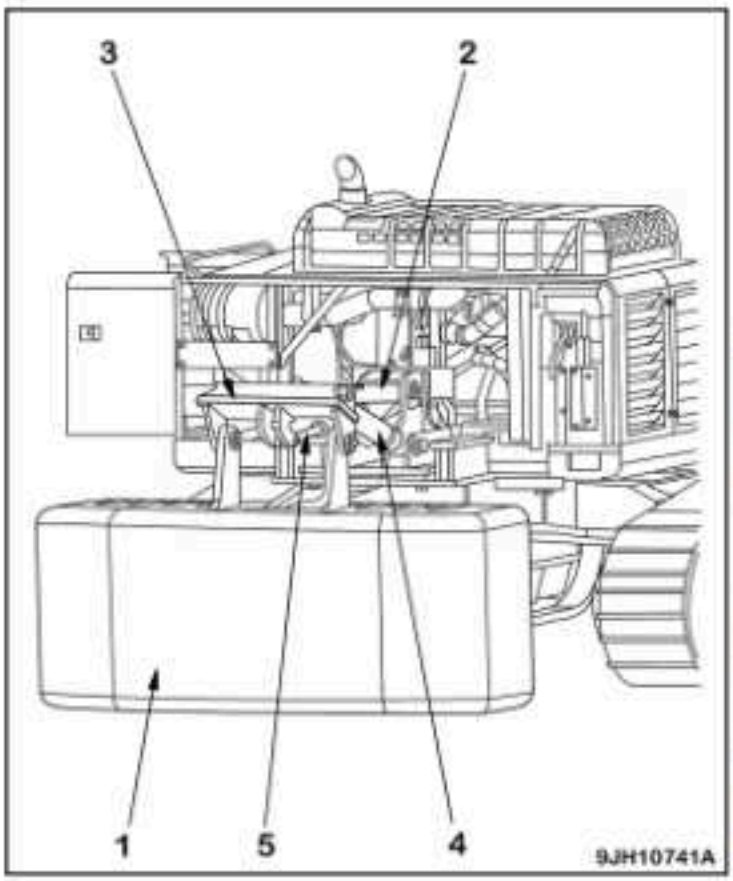


4. After starting up the engine, release the warming-up mode and keep the engine running at a low speed (low idle).

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HANDLING COUNTERWEIGHT REMOVER

Explanation of Components





(1) Counterweight
(2) A Remover Link
(3) B Remover Link
(4) A Remover Link Cylinder
(5) B Remover Link Cylinder
(6) Counterweight Removal / Installation A Control Lever
(7) Counterweight Removal / Installation B Control Lever

Counterweight

This counterweight (1) is shaped to be fit for slinging. It moves up and down by operating remover links (2) and (3) with remover link cylinders (4) and (5).

Remover Link

These remover links (2) and (3) serve as a motion link necessary to lift counterweight (1) from, or lower it to, the machine by operating remover link cylinders (4) and (5).

Remover Link Cylinder

Counterweight (1) can be moved up and down by operating remover links (2) and (3) with the remover link cylinders (4) and (5).

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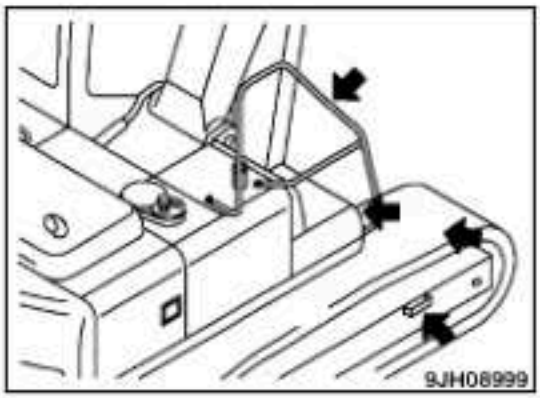
CHANGING MACHINE CONTROL PATTERN

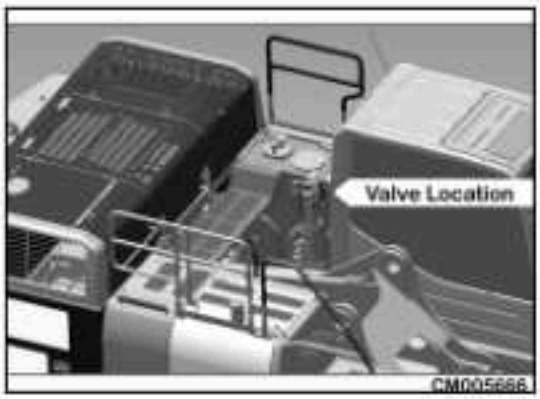
- When changing the operating pattern of the machine, set the machine in the parking posture, stop the engine, check that the lock lever is at the LOCK position, then change the operating pattern.
- To prevent personal injury caused by mistaken operation, test operate the machine and check that the display on the operating pattern card is the same as the movement of the machine.
- When checking the movement of the machine, check carefully that the surrounding area is safe, and operate slowly.

Control Pattern Change Procedure

1. After setting the machine in the parking posture, set the lock lever to the LOCK position, then stop the engine.

2. Locate the change valve on the top of the machine chassis at the right rear of the operator cab. Use the steps and handrails for proper access.





3. .When changing the pattern, follow the following steps.

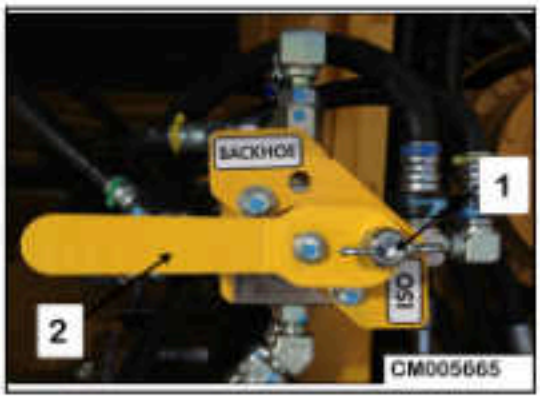
   A. Loosen wing bolt (1).

   B. Move lever (2), select either ISO pattern or Backhoe pattern.

   C. After the switching, tighten wing bolt (1).

   D. Change the operating pattern card (insert it in the cab holder) that matches the selected operating pattern.

   E. Start the engine, set the lock lever to the FREE position, operate the work equipment levers slowly and check that the operating pattern has changed.



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