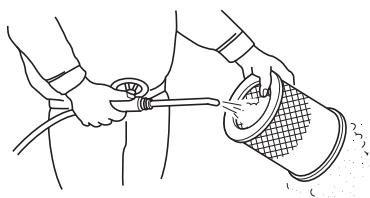
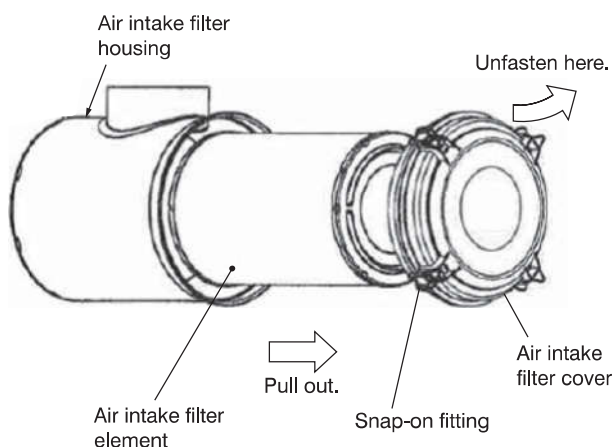


## 9.7 Cleaning and replacement of air intake filter element

When the filter clogging caution (E0.21) appears on digital monitor, clean or replace the air intake filter. If the air intake filter is clogged with dust/ dirt particles; Differential pressure (resistance of flow) across the air intake filter increases, which results in decreased air intake to the airend and a rise in discharge air temperature.



- 1 Press the  STOP button.
- 2 Disconnect the power.
- 3 Wait until the oil separator pressure gauge shows 0 MPa.
- 4 Open the front door and release four snap-on hook to remove the air intake filter cover and draw the air intake filter element.
- 5 Tap the air intake filter to remove large particles. Then blow air to clean the surface of filter from inside.
- 6 In the case of oily or carbon dust, dip the element into neutral detergent and water solution for about 30 minutes. Rinse the element several times with clean water (water pressure is less than 0.27 MPa) and air-dry it. Confirm the element is dried completely.
- 7 Wipe away the inside of intake filter cover completely.
- 8 Reinstall the element properly.
- 9 Verify that the "TOP" and place the intake filter cover back.



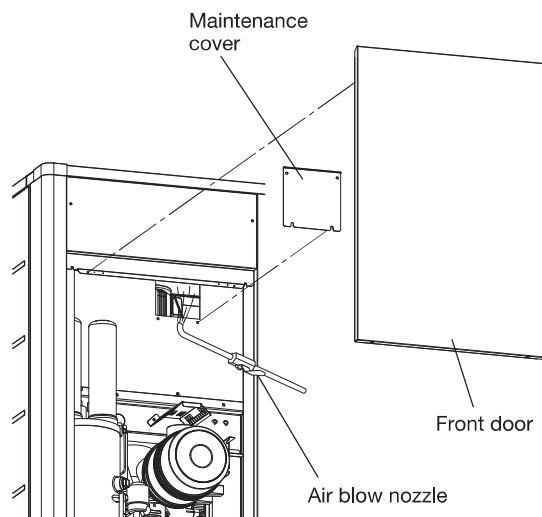
Do not reuse the filter after more than 5 times of cleaning. If the filter is heavily dirtied, replace it with a new one. After cleaning of filter element, put a light inside the element and check if no damage happens to it before reuse.

### CAUTION

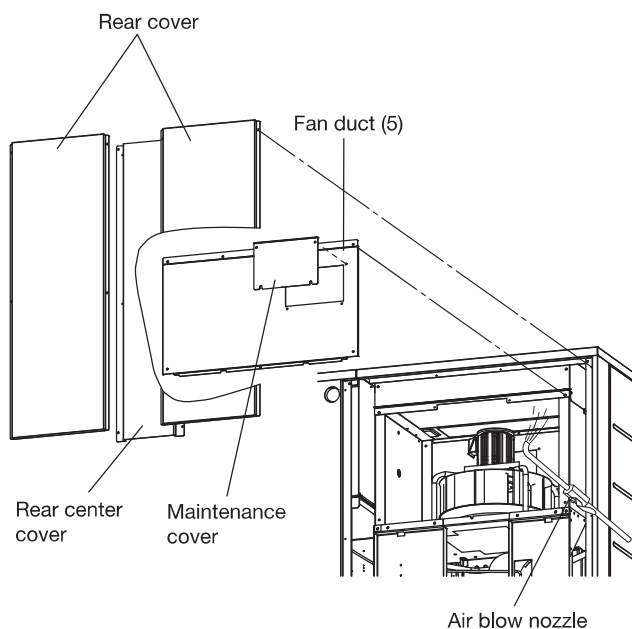
If atmospheric air contains car exhaust and soot from incinerators and boilers, the air intake filter element shall clog earlier than usual. In this case, investigate the environment where the air compressor is installed, and take effective measures to intake the clean air such as making the duct or changing the installation location.

## 9.8 Cleaning of Oil Coolers

If the dust sticks on the cooling air side of the cooler, its heat exchange efficiency becomes worse. It results in insufficient cooling of lubricant and discharge air. Clean up the cooler periodically.

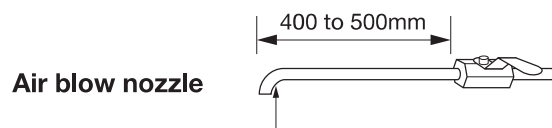


Compressor front



Compressor rear

- 1 Press the  STOP button.
- 2 Disconnect the power.
- 3 Remove the Rear cover, Rear center cover, then Fan duct.
- 4 Prepare an blow nozzle bended on the end. Blow the compressed air to the cooler fins to blow adhered dust.
- 5 If the dirt or dust cannot be sufficiently removed from the front side alone, remove the front door and maintenance cover, and clean the cooler from the front side as well.
- 6 Reassemble the panel to its original place.



Bend the nozzle at 20 to 40 mm from the end to facilitate cleaning.



If the cooler is heavily dirtied, a steam cleaning is required. Contact the local HITACHI distributor/master dealer or representative office for more information.