




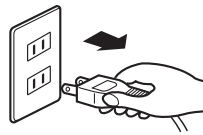
8 Replacing the routine maintenance parts

Daily maintenance or replacement of parts at an early stage can prevent the machine from being damaged, and keeps the machine at the optimum condition. Following these directions and replace parts correctly.

 **Warning** Always unplug the power plug before replacing parts. There is a danger of electrocution if it has been done without unplugging.

 **Warning** Follow directions on this manual when replacing parts. Replacing parts in the way ignoring this manual could cause malfunction of the machine as well as electrocution and fire.

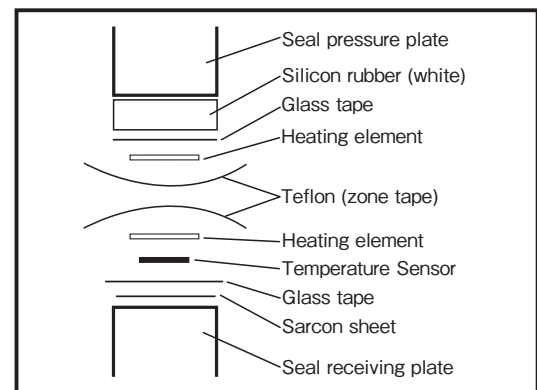
 **Warning** Always use only specified parts sold through Fuji Impulse. Unspecified parts may cause malfunction of the machine.



Always unplug the machine before conducting maintenance.

Structure of the Sealing Section

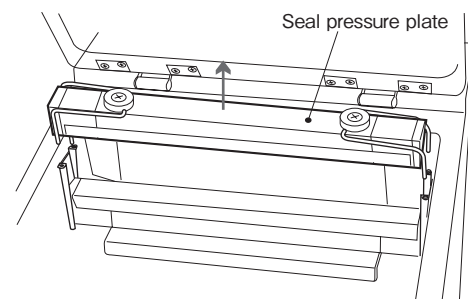
The sealing section is constructed with parts as in the illustration below. When replacing parts, be careful to arrange the parts exactly in the same order.



Preparation

● Before replacing parts...

When replacing parts, open the chamber cover first and remove the seal pressure plate.

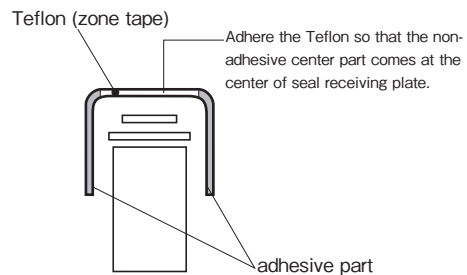
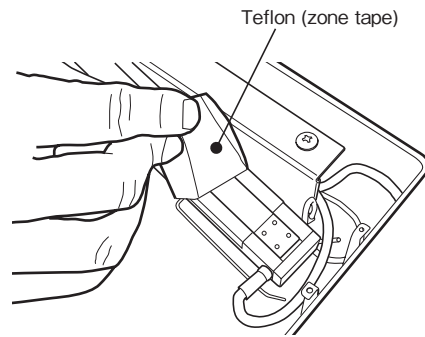


8-1 Replacing Teflon (Zone Tape)

【Replace when】 The Teflon breaks, burns, or when the seal becomes messy.
Teflon (zone tape) is sold individually.

- 1 Teflon (zone tape) on the seal pressure plate side:
Reverse the seal pressure plate, which is removed at the preparation, so that the Teflon sheet comes on the above side.
Teflon (zone tape) on the seal receiving plate side:
You can see the seal receiving plate after the seal pressure plate is removed.
- 2 Remove the damaged Teflon (zone tape). Adhere one side of Teflon tape to one side of a pressure plate or seal receiving plate, and adhere the other side of Teflon tape to the other side of them.

Attention! Adhere the Teflon so that the non-adhesive part comes right above the heating element. If there is a wrinkle to the Teflon tape, it will cause a line to the seal as well.



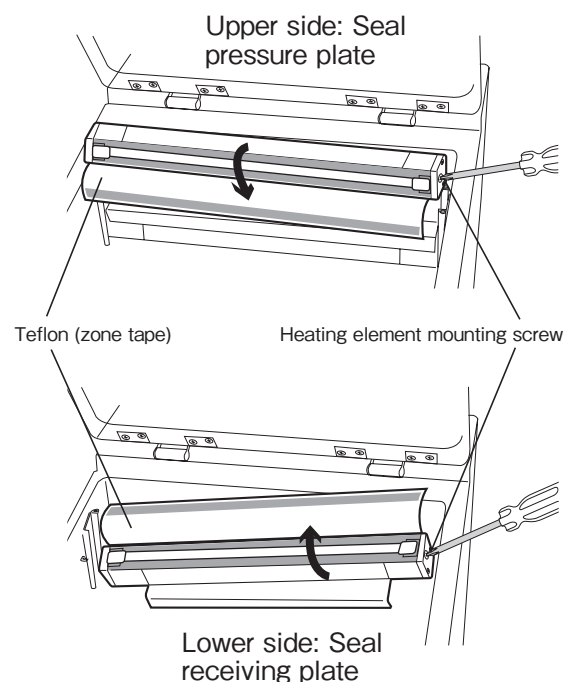
8-2 Replacing Heating Elements

【Essential Tools】 Philips screw driver

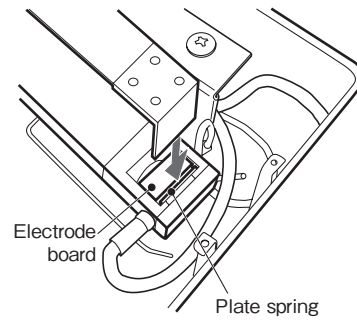
【Replace when】 The heating element breaks, unevenness is generated, or when the seal becomes messy etc.

The heating element is sold individually.

- 1 Remove the Teflon (zone tape). When there is no need to replace the Teflon, remove only one side of the Teflon as in the illustration on the right. Refer to "8-1 Replace Teflon (zone tape)" when replacing the Teflon.
- 2 Loosen the heating element mounting screw on both sides in order to remove the heating element.



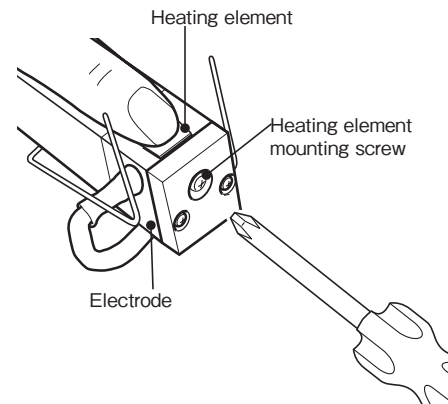
- When inserting the heating element, insert each terminal between electrode plate and electrode plate spring.



- Make sure that the heating element stays in place with the electrode as you securely tighten the screw to keep the heating element in place.



Caution If the heating element is not stretched out enough, heating element may get damaged.



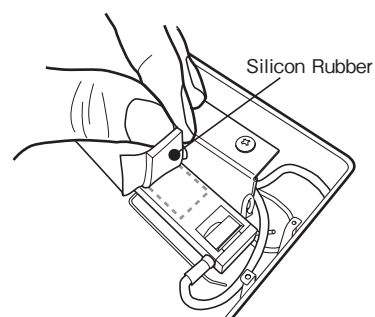
8-3 Replacing Silicon Rubber (white)

【Essential Tools】 Industry-purpose alcohol
(Ethanol)

【Replace when】 The seal becomes messy, etc.

The silicon rubber is sold individually.

- Remove the Teflon tape (zone tape), heating element, and glass tape as described in their respective instructions.
- Using an industrial-purpose alcohol, completely remove the adhesive residues remaining on the metal portion of the pressure plate.
- Adhere the new silicon rubber starting from the edge.



Attention! Adhere the silicon rubber carefully as it cannot be reapplied.


8-4 Replacing Glass Tape & Sarcon Sheet


【Essential Tools】 Philips screwdriver, Scissors

【Replace when】 The heating element breaks often, the seal become messy, etc.

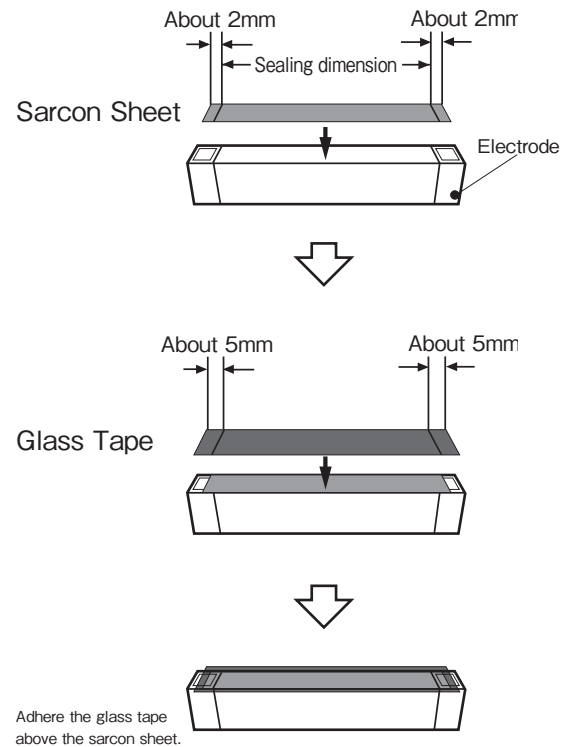
Glass tape and Sarcon sheet are sold individually.

- 1 Referring to “8-1 Replacing Teflon (Zone Tape)” and “8-2 Replacing Heating Element,” remove the Teflon and heating element as described in their respective replacement instructions.
- 2 For the seal receiving plate, loosen a screw that holds the temperature sensor fixing plate. Detach the sensor part of the temperature sensor referring to this instruction. (Refer to “8-5 Replacing temperature sensor.”)
- 3 Completely remove the glass tape and the Sarcon sheet from under the heating element.
- 4 Cut the Sarcon sheet at 2mm longer for each side, and adhere it to the pressure plate/ seal receiving plate.
- 5 Adhere the glass tape above the Sarcon sheet so that the both edges come 5mm longer (above the electrode).
- 6 As for the real receiving plate, reattach the temperature sensor with the screw removed at 2.
- 7 Reattach the Teflon and heating element removed at 1.

 **Caution** Applying the tape to a surface with adhesive residues will negatively affect the sealing surface.

 **Caution** When reattaching the temperature sensor, please follow the instruction “8-5 Replacing Temperature Sensor” , and make sure that the sensor part surely connects to the heating element.

Attention! If the Sarcon sheet does not adhere to the seal receiving plate at the time of replacing the glass tape, please replace the Sarcon sheet as well.



8-5 Replacing Temperature Sensor

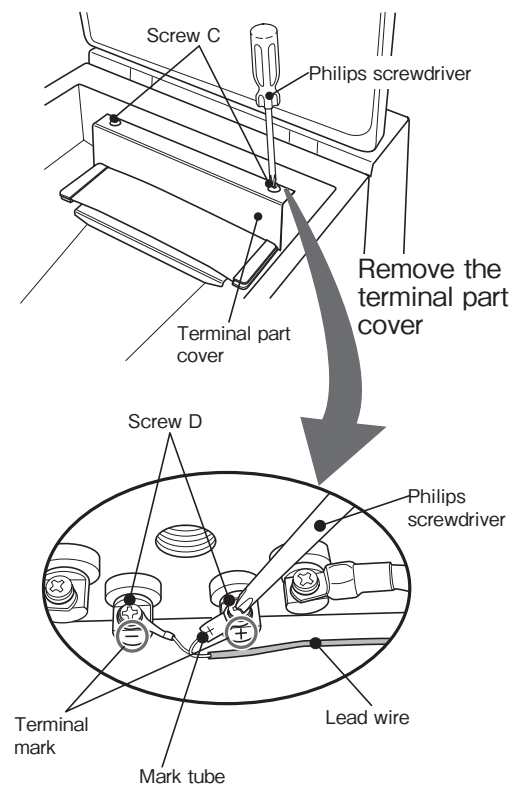
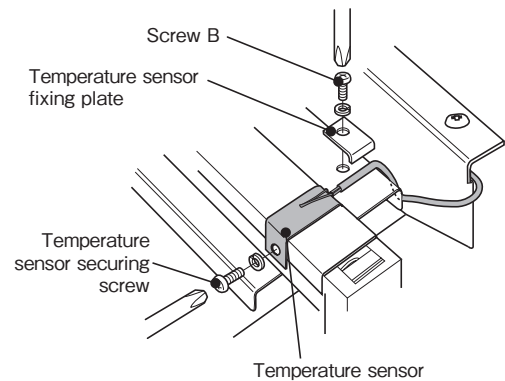
【Essential Tools】 Philips screw driver

【Replace when】 The temperature sensor is damaged.


Temperature sensor is sold individually.
Temperature sensor is located at the right edge of the seal receiving plate.


- 1 Remove the Teflon (zone tape) tape and heating element as described in their respective instructions.
- 2 Remove the temperature sensor securing screw and the screw B that holds the temperature sensor fixing plate with Philips screwdriver.
- 3 Remove the screw C to remove terminal part cover.
- 4 Remove the screw D that holds terminals inside the terminal part cover, and remove the lead wire.
- 5 When reinstalling the terminals, please check “+” or “-” mark on the mark tubes and terminals, and reinstall them correctly.

Attention! Fix the lead wire so that the terminal part marks and mark tube correspond to each other. The one without mark tube indicates “-”, so install it to where the terminal hallmark is “-”. the terminal hallmark is “-” .

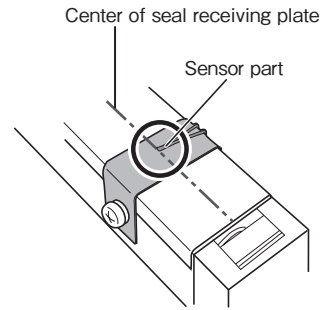


6. Fix the temperature sensor securing screw and temperature sensor fixing plate with screw D as they were installed before.

 **Caution** Install the new temperature sensor so that the perception part touches with the center of heating element. If the perception part is slipped off, temperature could not be detected exactly.

 **Caution** Install the temperature sensor under the heating element certainly.

7. Install the terminal part cover with screw C.

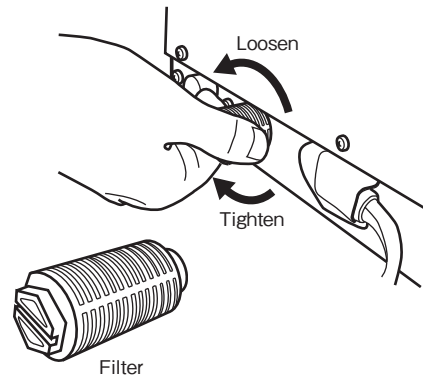


8-6 Replacing filter

【Replace when】 The seal becomes messy, etc.

Filter is sold individually.

1. Turn counterclockwise and remove the filter located at the backside of the sealer when facing toward it.
2. Install the new one turning it clockwise.



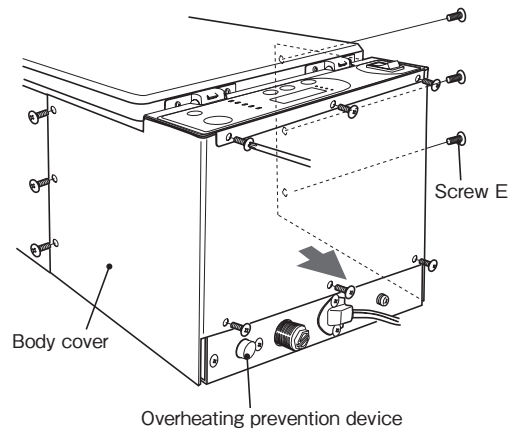
8-7 Replacing fuse

【Essential Tools】 Slotted screwdriver

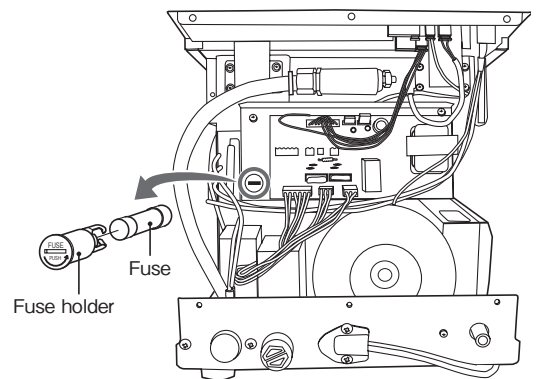
【Replace when】 When the fuse is torn.

Fuse is sold individually.

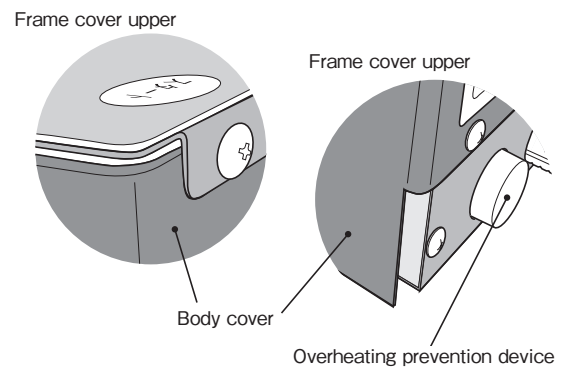
- 1 Remove screws E (12 pcs.) and remove the frame cover.



- 2 Remove the fuse holder.
- 3 Replace the old fuse to the new one.
- 4 Attach the holder to where it was.



- 5 Reattach the frame cover and fix with screws E.

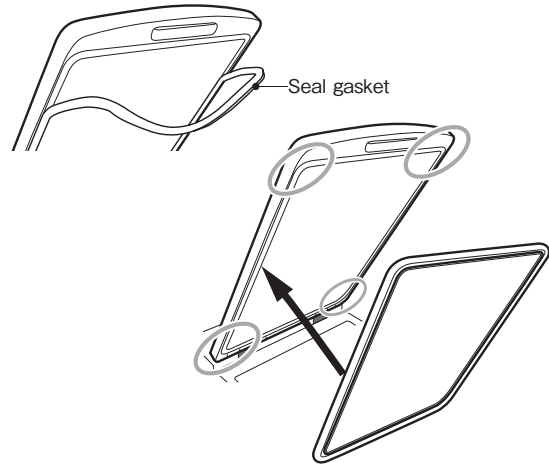


8-8 Replacing seal gasket

【Replace when】 Inside the chamber does not achieve vacuum.

Seal gasket is sold individually.

- 1 Remove the seal gasket from the chamber cover.
- 2 When attaching the new seal gasket, please insert the seal gasket to the four corner of the groove at the chamber cover.
3. Make sure that the contraction of the seal gasket is equal for each side.

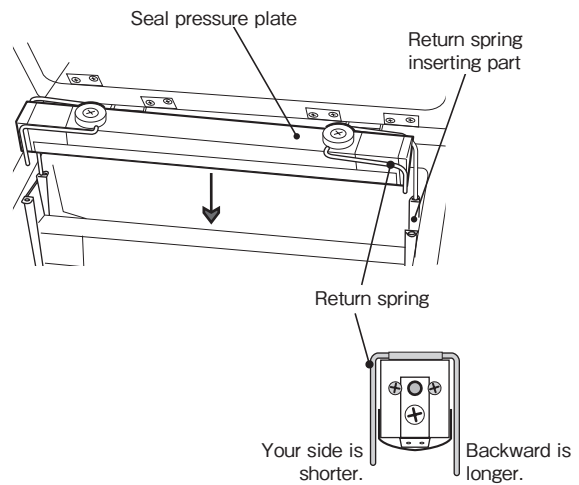


After replacing parts...

Install the pressure plate again after replacing parts.

When installing the pressure plate, make sure to insert the returning spring to the returning spring entry referring to the illustration on the right.

Attention! Insert the returning spring so that the longer side comes backward when facing toward the machine.

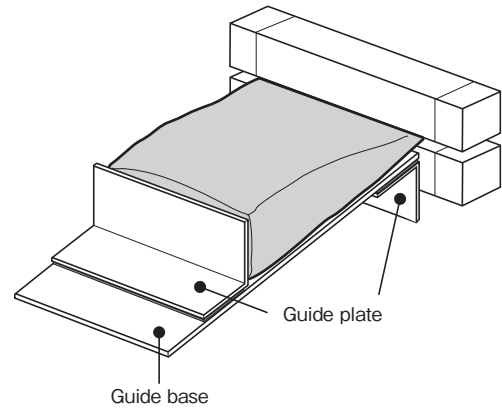


9 Adjustment the seal height

One guide bas and two guide plates are included in the accessories. By using guides, the seal height can be adjusted and this will help to seal the liquids without spilling.

Magnet is attached to the guide plates so that it can be fixed to the guide base.

Seal height can be adjusted by changing the position of guide plates.



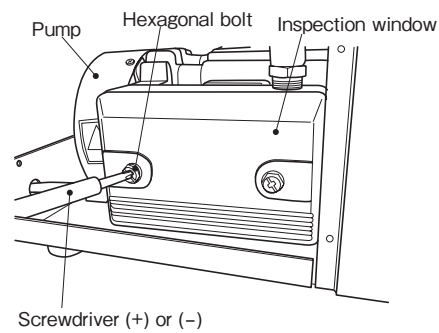
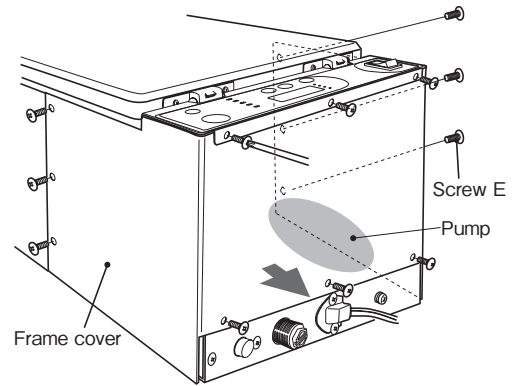
10 Maintenance

10-1 Cleaning vacuum pump

【Clean up when】 The vacuum suction is decreased.

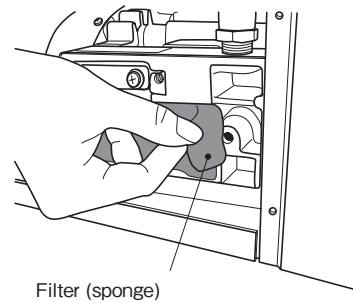
In the case of using the sealer for packaging watery items such as pickles, please clean up the sealer regularly.

- 1 Remove screws E (12 pcs.) and remove the frame cover.
- 2 Remove the hexagon head bolt with Philips screwdriver in order to remove the inspection window.



- 3 Take off the (sponge) filter inside the inspection window, and wash it with neutral detergent. Wipe off the dirt inside the filter installing part with dry cloth.

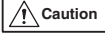
Attention! After washing the filter, please cut a drop of water well by a dry cloth, etc. If it would not be insufficient, it might cause the malfunction of the pump.



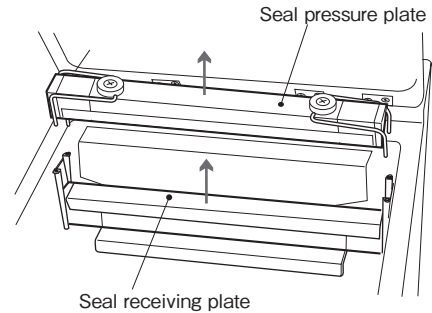
- 4 After finishing cleaning, put the (sponge) filter to where it was located, and install the inspection window and the frame cover. Refer to “8-7 Replacing fuse” when replacing the frame cover.

10-2 Cleaning inside the chamber

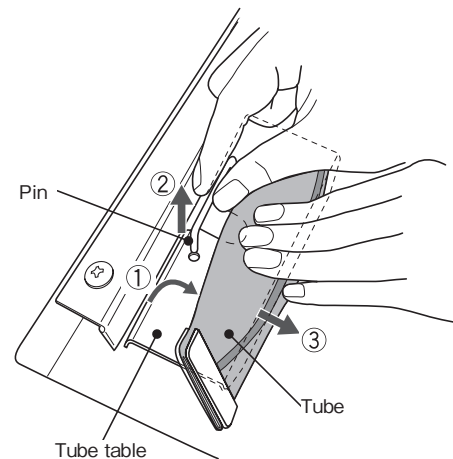
【Clean up when】 When the inside chamber gets dirty by the operation.

 **Caution** Please clean up when all the machine parts are cooled off.

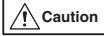
- 1 Open the chamber cover, and remove the seal pressure plate and seal receiving plate.



- 2 When the seal receiving plate is removed, you will see the tube below it. As in the illustration on the right (①), lift up the pin holding the tube with hands to your side (②). Slide off the tube base toward you (③) and remove the tube.



- 3 Wipe off the inside chamber with the cloth soaked with water.
When the detergent is used, wipe the detergent off well with the cloth that is washed in clear water.

 **Caution** Carefully clean up the seal gasket since the defect or dirt to the gasket may cause the malfunction of insuction work.
Take care not to damage the heating element and peel off the zone tape.
Never use a solvent such as thinner, benzine or polish powder, etc.

- 4 After the cleaning, replace the tube base to the initial position and fix with the pin.
- 5 Install the seal pressure plate and seal receiving plate.