

9 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. Replace parts according to the following directions in order to maintain your machine in optimum operating condition.



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



Follow the 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.



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

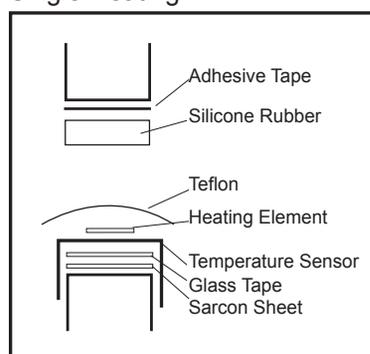


Always unplug the machine before maintenance.

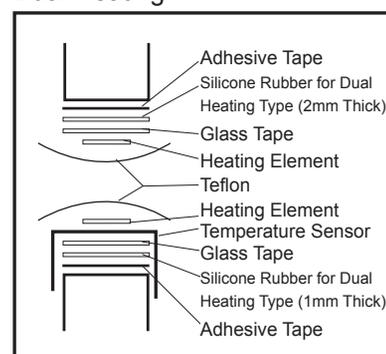
Structure of the sealing section

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

Single Heating



Dual Heating



Routine maintenance parts

Below list shows the parts that will wear out with the prolonged use of the machine and their sales unit.

When ordering those consumable parts to your local dealer, please specify the sealer model name, parts name, and quantity.

Parts Name	Sales unit
Teflon Sheet	2 pcs./set
Silicone rubber	1 pc.
Sponge rubber	2 pcs./set
Plastic nut (white)	5 pcs./set
Glass tape	25mm-width x 5M or 10M . . . 1 roll
Sarcon sheet	2 pcs./set or 5M roll . . . 1 roll
Heating element (10mm width)	20 pcs./set
Heating element (5mm width)	10 or 20 pcs./set
Silicone rubber for dual heating type	2 pcs./set
Electrod for 800, 1000, 1200	2 pcs./set
Electrode for 1500	1 pc.

9-1 Sliding the Teflon

You will need: Scissors

Replace when: The Teflon has been discolored and the pouch sticks to it.

The Teflon breaks, burns, or when the seal becomes messy, etc.

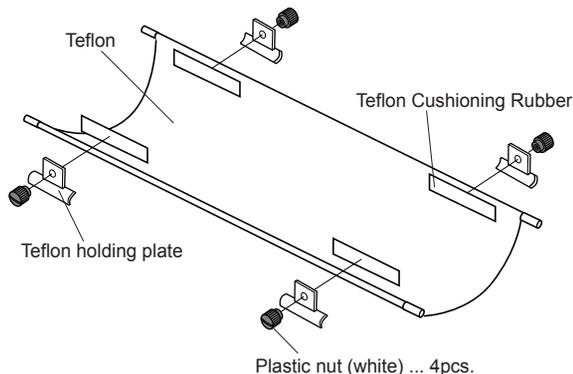
When the Teflon is damaged, slide the damaged part so the heating element is covered by the new part of the Teflon sheet.

If the Teflon has stuck to the heating element, remove it carefully from the edge.

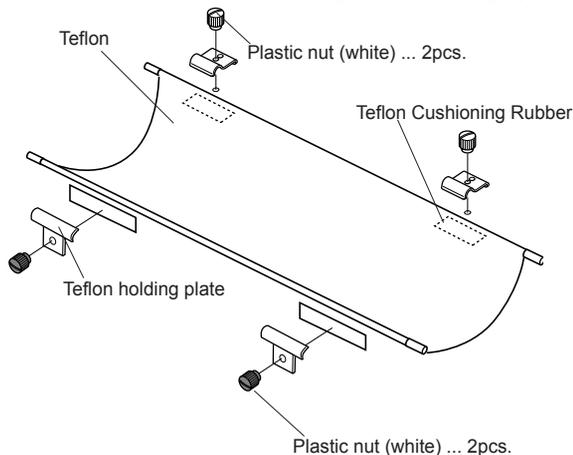
The extra Teflon is rolled about 25-30cm. If the Teflon becomes short, please replace the Teflon sheet referring to “9-2 Replacing the Teflon.”

- 1 Loosen the four white plastic nuts that fix the Teflon holding plates.
- 2 Roll the Teflon sheet either to the back or front about 15mm by turning the Teflon roll bar.
- 3 Roll the Teflon sheet so it does not get wrinkled, and tighten the four white plastic nuts again loosened at the procedure 1 and fix the Teflon holding plates.

Teflon of the Upper Lever for Dual Heating Type



Teflon of the Lower Lever for Single/Dual Heating Type

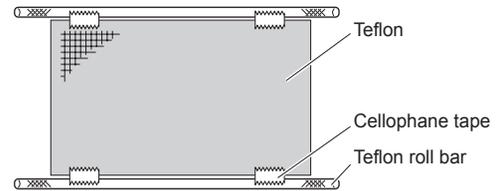


9-2 Replacing the Teflon

You will need: Scissors, cellophane tape

Replace when: When there is no extra sheet of Teflon.

- 1** Loosen the four white plastic nuts that fix the Teflon holding plates referring to "9-1 Sliding the Teflon."
- 2** Remove the Teflon roll bars and also remove the Teflon sheet from the roll bars.
- 3** Adhere the new Teflon sheet to the Teflon roll bars using the tapes.
- 4** Temporarily fix the Teflon roll bar using the white plastic nuts removed in procedure **1**.
- 5** Roll up the Teflon by turning the Teflon roll bar so it does not wrinkle on the heating element.
- 6** Tighten the white plastic nuts that are temporarily fixed at procedure **4** and fix the Teflon roll bars.



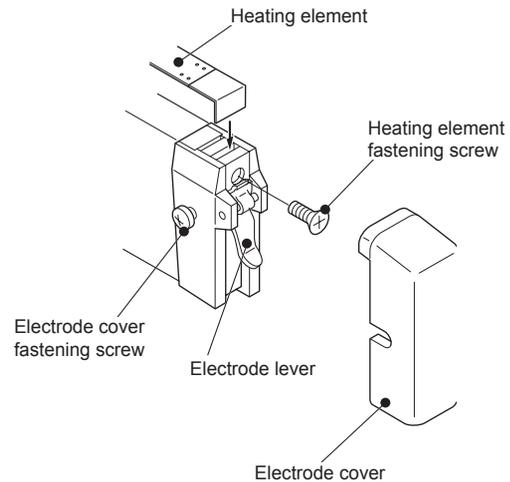
9-3 Replacing the heating element

You will need: A Philips screwdriver

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

■ For 600, 800, 1000, 1200mm Models

- 1 The heating element is covered with the Teflon sheet. Remove the Teflon referring to “9-1 Sliding the Teflon.”
- 2 Loosen the screws on the sides of the electrode cover using a Philips screwdriver, and remove the electrode cover.
- 3 Lift the electrode lever downward for the upper heating element or upward for the lower heating element, and use the Philips screwdriver to loosen the screw that secures the heating element.
- 4 Loosen the heating element fastening screw to remove the damaged heating element.
- 5 With the electrode lever still lifted downward/upward, insert the new heating element into the electrode groove. 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.



For safety, always attach the electrode cover after replacing the heating element.

Always use a Fuji Impulse-designated, special heating element for replacement. Using a heating element other than the designated heating element may cause the transformer to be heat-damaged.

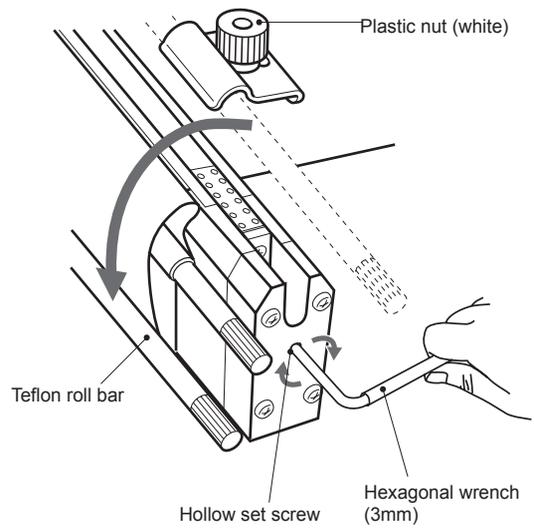


When the heating element is broken or even if not but there is no electric current, the disconnection alarm starts and the error message appears saying “SEAL NG heat error”. In this case, the replacement of parts or repair is required. Please refer to “17 Common Problems and Solutions” >>> “17-2 Error Message”.

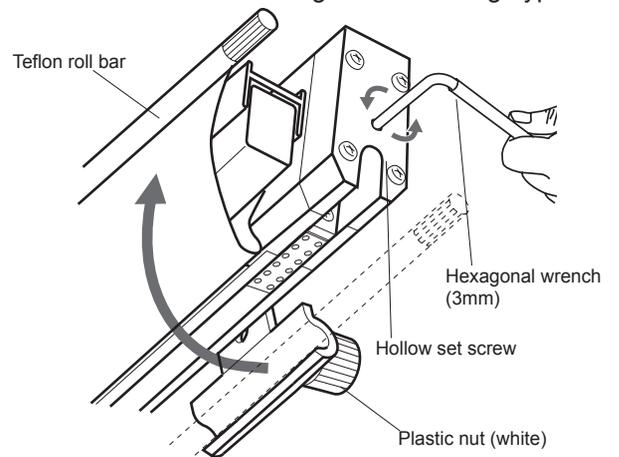
■ For 1500mm Model

- 1 The heating element is covers with the Teflon sheet. Remove the Teflon referring to “9-1 Sliding the Teflon.”
- 2 Loosen the hollow set screw using a hexagonal wrench by turning it clockwise. The heating element will be loosened.

Seal Receiving Plate for Single/Dual heating Type

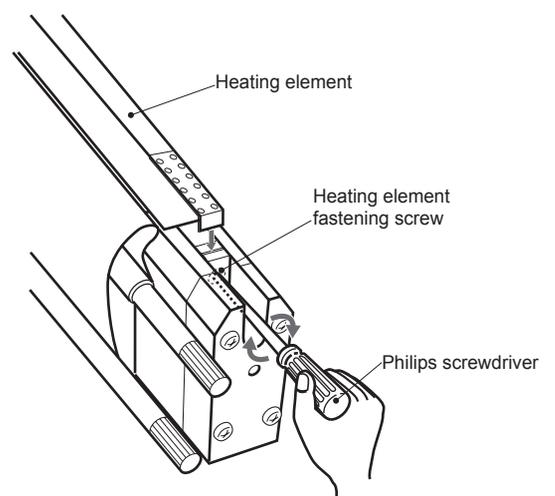


Seal Pressure Lever for Single/Dual heating Type



- 3 Loosen the heating element fastening screw with a Philips screwdriver, and remove the heating element.
- 4 Insert the new heating element terminal into the electrode groove. Make sure that the heating element stays in place with the electrode as you securely tighten the heating element fastening screw. After tightening the screws, turn the hollow set screw counterclockwise using a hexagonal wrench so the heating element stretches out.

Set the Teflon sheet to the initial position and fix it with the white plastic nuts.



Always use a Fuji Impulse-designated, special heating element for replacement. Using a heating element other than the designated heating element may cause the transformer to be heat-damaged.

9-4 Replacing the silicone rubber

- MEMO** About the silicone rubber
 600/800/1000mm ... Textured
 Greater than 1200mm ... Flat

You will need: Industrial-purpose alcohol/ Ethanol

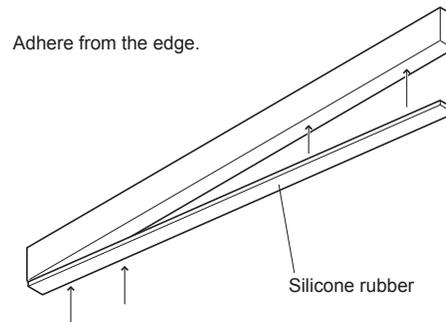
Replace when: The surface of the silicone rubber becomes uneven.

- 1 For dual heating type, remove the Teflon, heating element, glass tape, temperature sensor, etc.
- 2 Remove the damaged (old) silicone rubber, and completely remove the adhesive residues using an industrial-purpose alcohol, etc.

Attention! Applying the new silicone rubber to a surface with adhesive residues will negatively affect the sealing surface.

- 3 Remove the paper of the new silicone rubber that covers the adhesive tape. Adhere it starting from the edge.

Attention! Please noted that the thickness of the silicone rubber for the dual heating type differs between upper(2mm) and lower(1mm) levers.



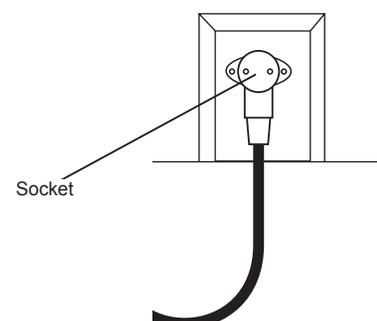
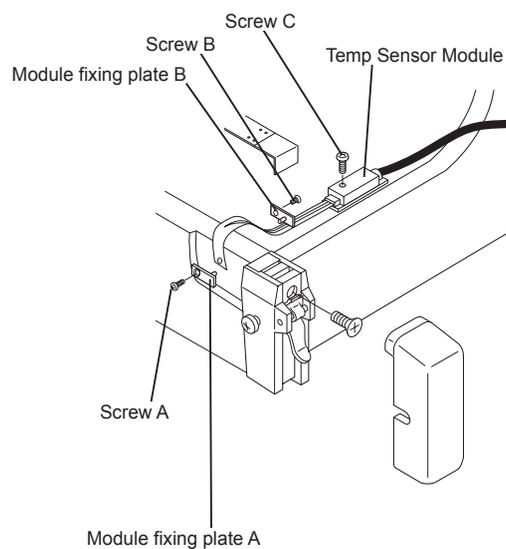
9-5 Replacing the temperature sensor module

You will need: A Philips screwdriver

Replace when: The temperature sensor is damaged.

Temperature sensor module is sold individually.

- 1 Remove the Teflon and heating element so you can replace the temperature sensor module.
- 2 Remove the screw A and B using the Philips screwdriver to remove the temperature sensor fixing plates as in the right illustration.
- 3 Remove the screw C that fixes the temperature sensor module. Also remove the socket that is installed to the back side of the seal receiving plate.
- 4 When installing the new temperature sensor module, insert the socket first and then fix the sensor module with the screw C.
- 5 When tightening the screw A and B, tighten the screw A first and pull the sensor a little and tighten the screw B without slacking under the heating temperature. This will bring the sensor tip right in the middle of the seal receiving plate width.



9-6 Replacing the glass tape

You will need: Scissors, Philips screwdriver, Alcohol (Ethanol)

Replace when: The heating element breaks often, the seal becomes messy, etc.

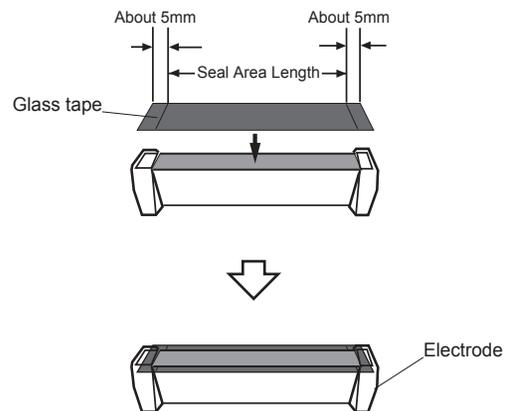
Caution The damage to the glass tape adhered under the heating element will cause the insulation or sealing failure. Please check the glass tape as well when replacing the heating element, and replace it if necessary.

- 1 Remove the Teflon, heating element and the temperature sensor as described in their respective replacement instructions.
- 2 Completely remove the glass tape from under the heating element.

Caution Applying the tape to a surface with adhesive residues will negatively affect the sealing surface. Completely remove the residues using alcohol (Ethanol) etc.

- 3 Adhere the new glass tape so it covers the both electrodes about 5mm.

Attention! If the adhesive of the sarcon sheet is weak when replacing the glass tape, please replace the sarcon sheet as well.



9-6 Replacing the sarcon sheet (For sigle-side heating type)

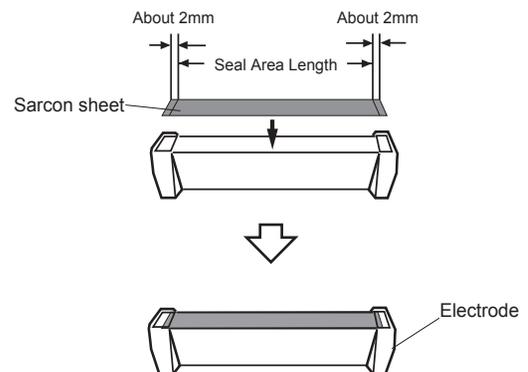
You will need: Scissors, Philips screwdriver, Alcohol (Ethanol)

Replace when: The heating element breaks often, the seal becomes messy, etc.

- 1 Remove the Teflon, heating element, the temperature sensor and glass tape as described in their respective replacement instructions.
- 2 Completely remove the sarcon sheet from under the heating element.

Caution The damage to the sarcon sheet adhered under the heating element will cause the insulation or sealing failure. Please check the sarcon sheet as well when replacing the heating element, and replace it if necessary.

- 3 Adhere the new sarcon sheet so it covers the both electrodes about 2mm.



Caution Applying the tape to a surface with adhesive residues will negatively affect the sealing surface. Completely remove the residues using alcohol (Ethanol) etc.

10 Parts Maintenance

Connect or remove the tube

When removing/connecting the piping tube, pull or insert the tube while pushing the release ring.

Remove the tube

Removing the tube will be much easier by pressing the release ring parallel to the tube while pulling the tube.

Connect the tube

Insert the tube fully into the tube end of the joint.



Please make sure to fully insert the tube to avoid the air leakage.

