

## 9 Replacing the routine maintenance parts

Daily maintenance or early replacement of parts is necessary to keep your machine in optimum operating condition. Replace parts correctly according to the following directions.



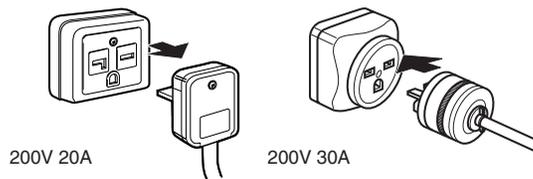
Always unplug power plug before replacing any parts. There is a danger of electrocution if conducted with the plug still inserted.



Do not replace parts according to other methods not described in the operating instructions. It is dangerous if incorrect methods are used.



When replacing parts, always use only specified parts sold through Fuji Impulse. Otherwise malfunction may occur.

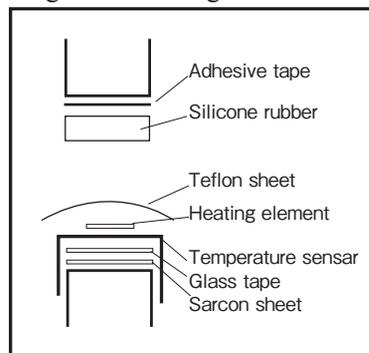


Always unplug the machine before conducting any maintenance

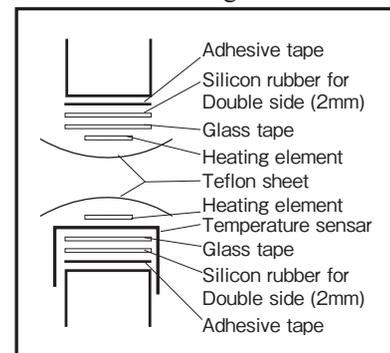
### Construction of the sealing section

The sealing section is constructed with parts illustrated in the diagram at left. When replacing parts, be careful to arrange the parts in the same exact order.

Single side heating



Double side heating



### Routine maintenance parts

In the long term use of the sealer, parts wear and sealing result is , sealing result worst., to continues operate with damage part will cause malfunction, so please replace the wear parts on time with space parts always in hands.

The routine maintenance parts are selling by the unit described below

Order from your dealer, specifying the name of your machine, the name and quantity of parts you need.

Parts name	Selling unit
Teflon sheet	2 sheets per set
Silicone rubber	1 piece
Sponge rubber	2 pieces per set
Plastic nut (white)	5 pieces per set
Glass tape	25mm width (5M or 10M) x 1 roll
Sarcon sheet	2 pieces per set
Heating element (10mm width)	10 pieces per set
Heating element (5mm width)	20 or 10 pieces per set
Silicone rubber for double side heating	2 pieces per set
Electrode (800, 1000, 1200 type)	2 pieces per set
Electrode (1500 type)	1Piece

## 9-1 Sliding the Teflon sheet

[Replace when] Teflon sheet discolored or pouch does not peel off easily. Teflon sheet is torn, burnt or sealing is dirty.

[Essential tools] Scissors

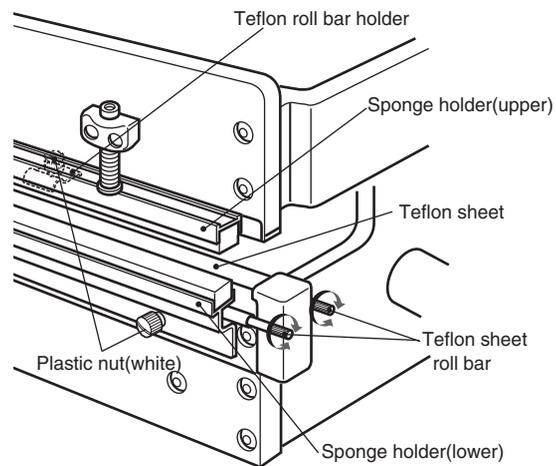
When teflon sheet is damaged, pull it forward to cover the heating element with new (non damaged) part.

If the teflon sheet has adhered to the heating element, peel off it carefully.

25 – 30cm length teflon sheet is wound for to use as spare. When remained part becomes short, please replace the whole teflon sheet. (Refer to "9-2 Teflon sheet replacement".)

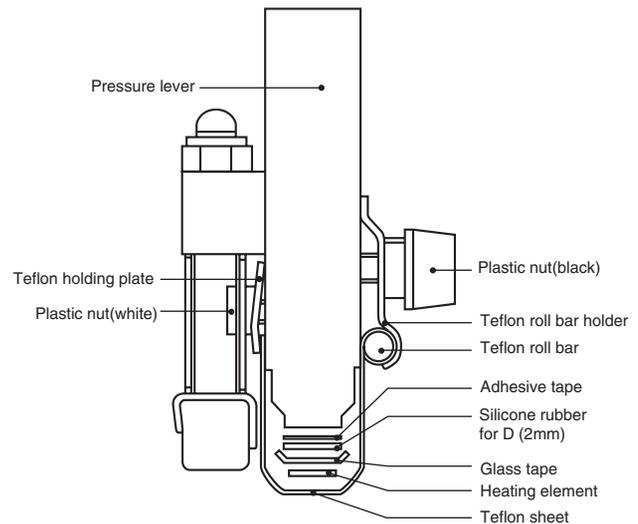
### Lower teflon sheet (for all types)

- 1 Loosen the white plastic nuts on the teflon roll bar holder (2 pieces) and sponge holder (4pieces). Teflon roll bar will move.
- 2 Wind the damaged part – about 15mm length forward or backward. Wind the teflon sheet tightly and fasten the white plastic nuts (total 6 pieces).



### Upper teflon sheet (for double side heating type)

- 1 Loosen the black plastic nuts on the teflon roll bar holder. Teflon roll bar will move.
- 2 Loosen the white screws on the teflon holding plate and pull the teflon sheet forward. Cut off the damaged teflon by scissors.
- 3 Insert the teflon sheet between teflon holding plate and pressure lever. Then fix it by white plastic screws. Roll up the teflon sheet tightly and fasten the black plastic nuts on teflon roll bar holder.



## 9-2 Teflon sheet replacement

[Replace when] Spare (wound) teflon is short.

[Essential tools] Scissors, Cellophane tape

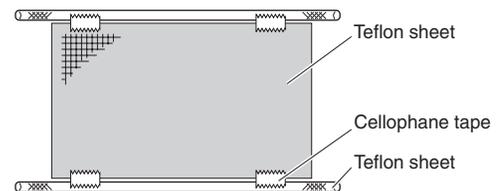
- 1 Lower teflon (for all model) Remove the white plastic nuts on the teflon roll bar holder and sponge holder

Upper teflon (for double side heating model)

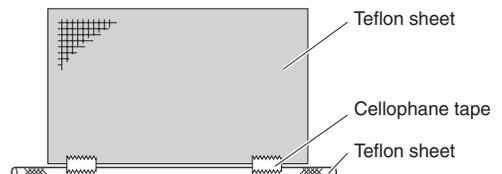
Remove the black plastic nuts on the teflon roll bar holder and white plastic nuts on the teflon holding plate.

- 2 Remove the old teflon sheet from roll bar.
- 3 Attach the new teflon sheet with roll bar by cellophane tape.
- 4 Set the teflon roll bar and fasten the screws lightly.
- 5 Wind the teflon roll bar to remove the slack of teflon sheet.
- 6 Fasten the plastic nuts firmly.

Teflon for single side heating or lower teflon for double side heating



Upper teflon for double side heating



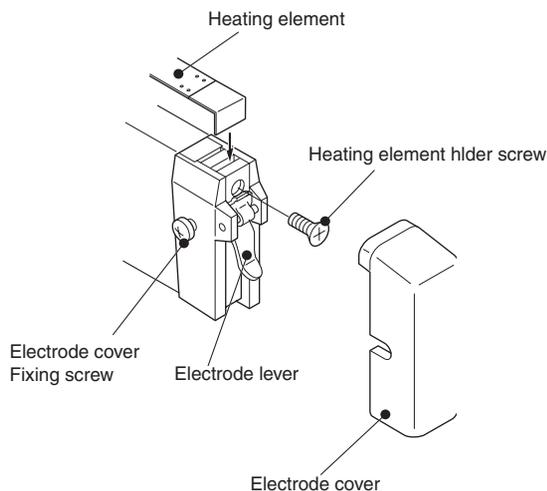
## 9-3 Heating element replacement

[Replace when] Heating element is broken, sealing is dirty Sealed surface is uneven.

[Essential tools] Phillips screwdriver Hexagonal wrench  
3mm (only for 1500 model)

For sealing length 600, 800, 1000mm

- 1 Heating element is located under the teflon sheet. Remove the teflon sheet according to "Sliding the teflon sheet" on page 34.
- 2 Electrode cover is secured on the side. Loosen the electrode cover fixing screw by Phillips screwdriver and remove the electrode cover.
- 3 Raise the electrode lever (on the upper lever: downward / on the lower lever: upward) and loosen the heating element holder screw.
- 4 Damaged heating element can be removed.
- 5 Insert the new heating element into the electrode. Hold down the ends of heating element with your fingers so that it does not move from the electrode. Secure the heating element holder screw. Then, return the electrode lever (on the upper lever: upward / on the lower lever: downward).



For your safety, be sure to mount the electrode cover after installing the heating element. When replacing the heating element, be sure to use the specified heating element for your specific machine. If an unspecified heating element is used, the transformer may fail.

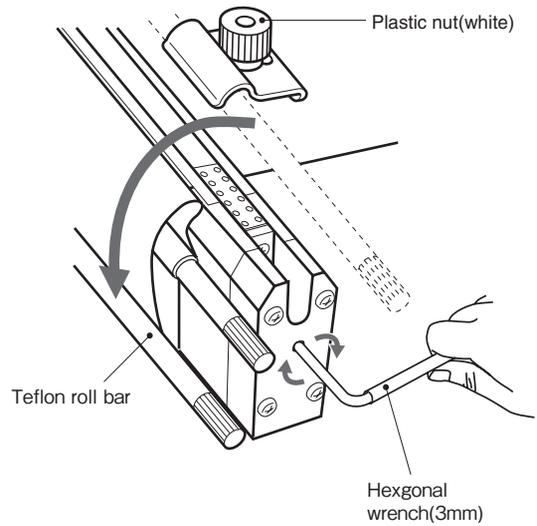
### TIPS

If the heating element is broken, or electric current does not pass to the heating element, disconnection alarm works and error message "SEAL NG heat error" appears. In this case, please refer to "ERROR MESSAGE" on page 51.

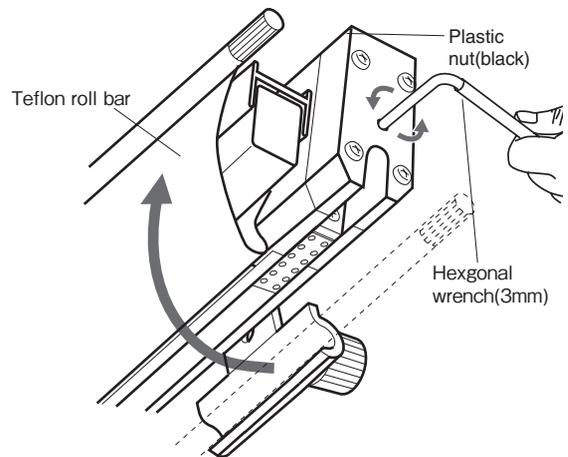
For sealing length 1500mm model

- 1 Heating element is located under the teflon sheet. Loosen the white plastic nut and bring the teflon roll bar forward so that heating element appears.
- 2 Slowly turn the enamel cap on both sides of electrode clockwise with hexagonal wrench to loosen the heating element.

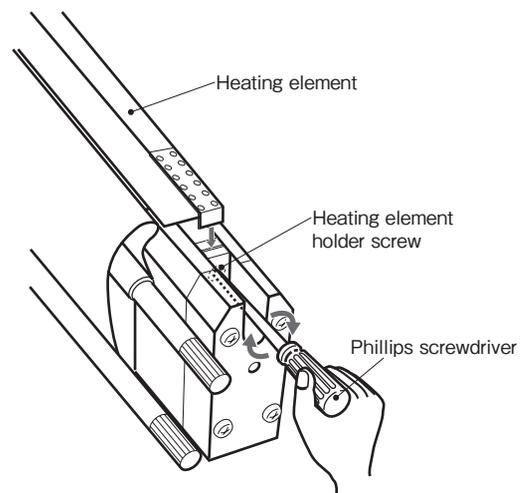
Lower receiving bar



Pressure lever for doubleside heating



- 3 Loosen the heating element holder screw and remove the heating element.
- 4 Insert the new heating element into the electrode. Hold down the ends of heating element with your fingers so that it does not move from the electrode. Secure the heating element holder screw. Then, carefully turn the enamel cap counter-clockwise so that heating element keeps the tension



When replacing the heating element, be sure to use the specified heating element for your specific machine. If an unspecified heating element is used, the transformer may fail.

## 9-4 Replacement of the silicone rubber

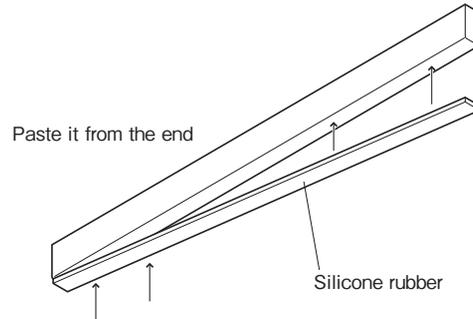
[Replace when] The surface of silicone rubber is uneven.

**TIPS** Silicone rubber 600, 800, 1000 model - surface: reticulate, reverse: flat  
Over 1200 sealing length model - surface/reverse: flat

[Essential tools] Industrial alcohol, Thinner, etc.

- 1 Remove the silicone rubber. Wipe the adhesive tape off the pressure lever with industry alcohol etc.  
(If the new silicone rubber is attached on the remained paste, sealing result cannot be clean.)
- 2 New silicone rubber has an adhesive tape on it. Peel the paper and attaché the new silicone rubber carefully.

**Caution** Thickness of upper silicone rubber (2mm) is different from lower silicone rubber (1mm). If your machine is double side heating model, please choose it carefully.



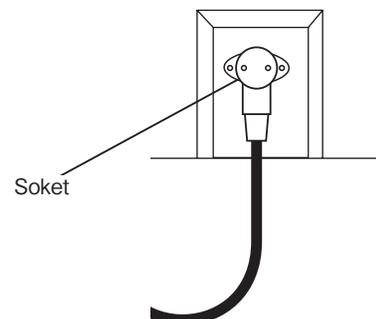
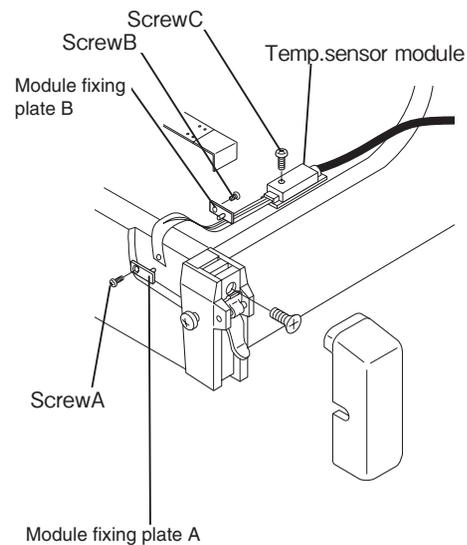
## 9-5 Replacement of temperature sensor module

[Replace when] Temperature sensor is damaged.

[Essential tools] Phillips screwdriver

Temperature sensor module is sold separately.

- 1 Remove the teflon sheet and heating element in advance.
- 2 Remove the screw A and screw B with Phillips screwdriver then sensor fixing plates.
- 3 Remove the screw C and pull out the socket which is located on the rear side of seal receiving bar.
- 4 When attach the new sensor module, plug in the socket at first and fix the module with screw C.
- 5 When setting the sensor fixing plates, secure the screw A at first. Pull the sensor lightly to keep the tension and prevent the slack and fix the plate by screw B. In the result, the perception part of temperature sensor will be set under the center of heating element.



## 9-6 Replacement the glass tape

[Replace when] Heating element is often burnt out.  
Sealing is dirty.

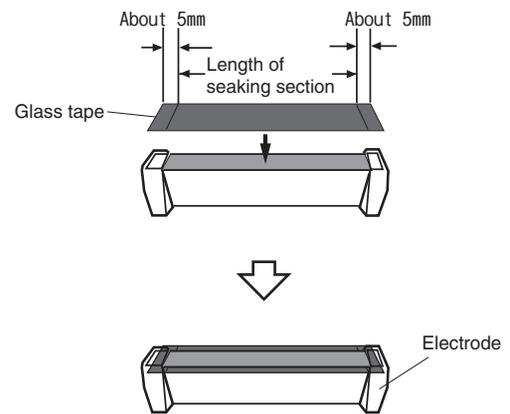
[Essential tools] Scissors, Phillips screwdriver, alcohol,  
(Ethanol) etc.

**Caution** If the glass tape below the heating element is damaged or burnt, the insulation becomes bad and the proper seal may not be attained. Always inspect the glass tape when replacing heating element. If necessary, change it

- 1 Remove the teflon sheet and heating element.
- 2 Remove the glass tape located under the heating element.

**Caution** Some adhesive remain will uneven the sealing surface and has an adverse effect. Please clean the surface thoroughly by industry alcohol, etc.

- 3 Cut and attach the new glass tape so that the extra 5mm length cover the electrode at both ends.



## 9-7 Replacement of sarcon sheet

[Replace when] Heating element is often burnt out.  
Sealing is dirty.

[Essential tools] Scissors, Phillips screwdriver, alcohol,  
(Ethanol) etc.

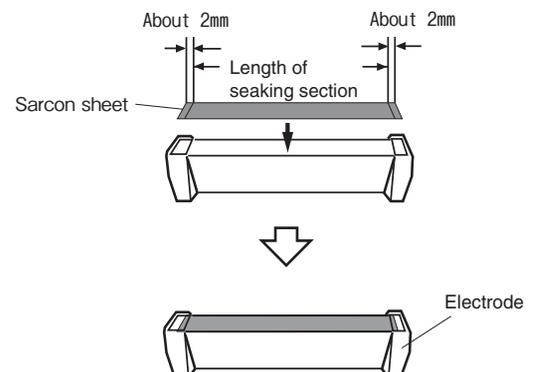
**Caution** If the sarcon sheet below the heating element is damaged or burnt, the insulation becomes bad and the proper seal may not be attained.

Always inspect the sarcon sheet when replacing heating element. If necessary, change it

- 1 Remove the teflon sheet, heating element and glass tape.
- 2 Remove the sarcon sheet located under the heating element.

**Caution** Some adhesive remain will uneven the sealing surface and has an adverse effect. Please clean the surface thoroughly by industry alcohol, etc.

- 3 Cut and attach the new glass tape so that the extra 2mm length cover the electrode at both ends.



## 10 Maintenance for parts

### Cleaning of nozzle

When some sticky liquid like meat soup is inhaled at the operation, it is attached inside the nozzle or coupler and makes the vacuum performance worse. Clean the nozzle periodically.

### How to remove the nozzle

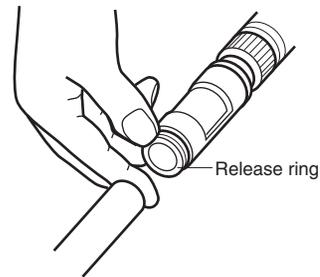
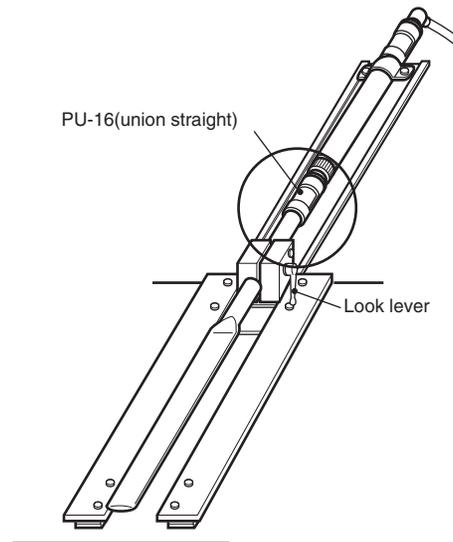
**TIPS** If the vacuum performance is not enough, remove the nozzle and clean itself.

- 1 Turn the rock lever counter-clockwise and loosen the nozzle.
- 2 Push the release ring of union straight coupler and pull out the nozzle.

**Caution** Nozzle might be hard to remove. Take sufficient care not to injure.

How to clean the nozzle with installed on the sealer.

- 1 Select the vacuum (by manual) and sealing operation. And set the heating temperature 60 ℃ so that heating is not enough to seal.
- 2 Prepare the tepid water. Depress the foot pedal and vacuuming (inhaling the water) start.
- 3 Repeat the above process 3 – 4 times. Check the excreted water.



### Connect and remove the tube

When remove the tube, push the release ring and pull out the tube.

How to remove the tube

If you press the release ring while pushing the tube in at the same time, you can remove the tube quite easily.

How to connect the tube

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

**Caution** To avoid the air leakage, please verify that the tube is jointed firmly.

