

## 11 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.

 **Warning** 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.

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

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

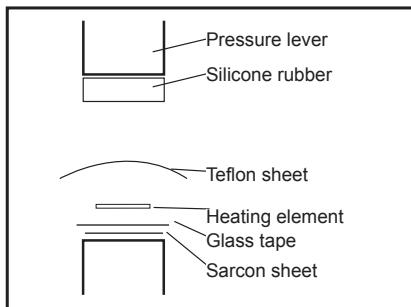


Always unplug the machine before maintenance.

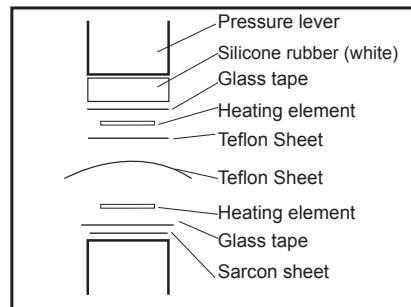
### Structure of the sealing section

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.

V-300



V-300-10D



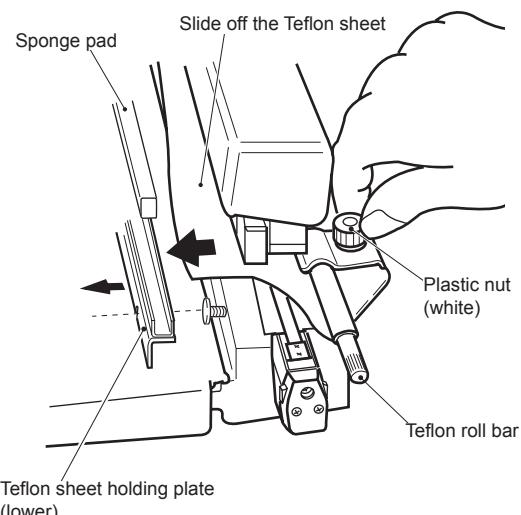
## 11-1 Sliding the Teflon sheet

Essential tools: Scissors, a Philips screwdriver

Replace when: The Teflon sheet burns, or when the seal becomes messy.

Teflon sheet is either sold individually or included in the maintenance parts kit.

- 1 Loosen the screws that fix the Teflon sheet holding plate and slide the edge of the Teflon. (Left illustration describes when the Teflon holding plate is removed.)
- 2 Loosen two white plastic nuts so the Teflon roll bar can be moved, and slide the Teflon sheet to the direction of arrow.
- 3 Cut the damaged part of the Teflon with scissors.
- 4 Insert the edge of the Teflon between the Teflon holding plate and holder and fix by tightening the screws.
- 5 Roll up the Teflon to the Teflon roll bar.
- 6 Tighten the white plastic nuts to secure the Teflon roll bar with Teflon roll bar fastening plates.

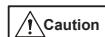


## 11-2 Replacing the heating element

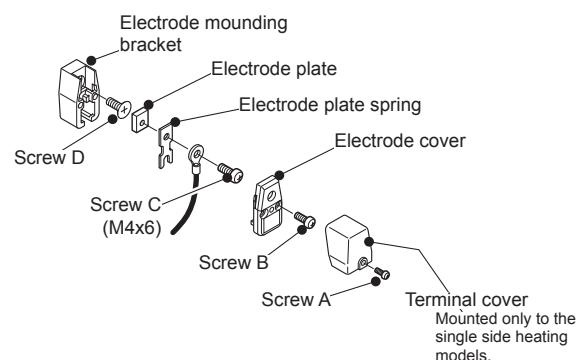
Electrodes that mount the heating element consist of parts as in the right illustration.



If you loose the screw C, do not substitute ones longer than the screw C (M4x6) as there is a danger of short circuit by the longer screw touching screw D.



When replacing the heating element, replace the glass tape and Sarcon sheet as well if they appear to be damaged. If they are damaged and cannot properly insulate the heating element from the body frame, the short circuit may result.



Essential tools: A Philips screwdriver

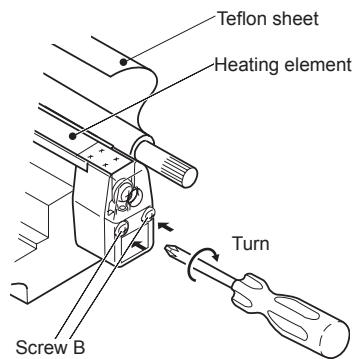
Replace when: The heating element breaks, unevenness is generated, or when the seal becomes messy.

The heating element is either sold individually or included in the maintenance parts kit.

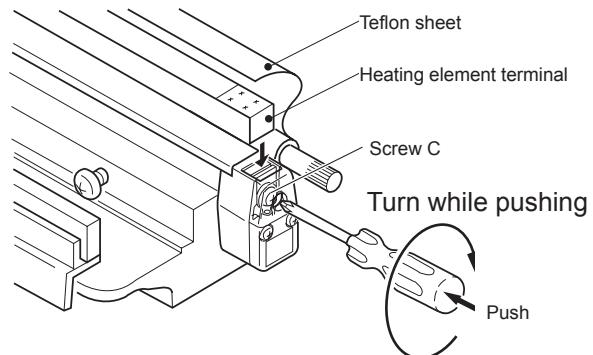


**TIPS** The heating element can be replaced without removing the electrode cover so you will not lose the cover or screw.

- Lower heating element (for V-300, V-300-10D)
- 1 Remove the Teflon sheet. (Refer to "9-1 Sliding the Teflon sheet.")
  - 2 Loosen the screw A of both electrodes with a Philips screwdriver, and remove the terminal covers. The illustration on the right describes the electrode after the terminal cover is removed.
  - 3 Loosen screw B of both electrodes to loosen the tension of the heating element. It is not necessary to remove the electrode covers.
  - 4 Insert a Philips screwdriver into the hole of the electrode cover and loosen screw C. The heating element can be removed.
  - 5 When mounting the new heating element, insert each terminal between the electrode plate and electrode plate spring. While pushing down the terminal with your fingers so it stays in place, tighten the screw C with a Philips screwdriver.
  - 6 Tighten the screw B loosened at the procedure 3 so the heating element is stretched tight. When the screw B is not tightened enough, the heating element will not be stretched tight enough, which may result in damaging the heating element.
  - 7 Fix the terminal covers to the electrodes with screw A.

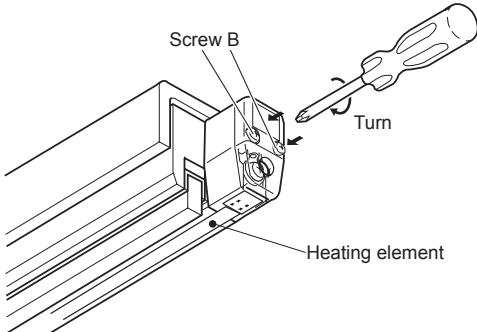


Without loosening the screw B, the heating element will be kept stretched tight. Thus the heating element terminal cannot be inserted between the electrode plate and plate spring.

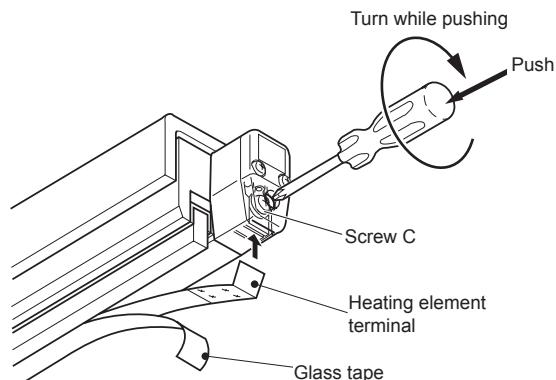


- Upper heating element (for V-300-10D)

- 1 Remove the Teflon sheet. (Refer to "9-2 Sliding the Teflon sheet.")
- 2 Loosen the screw B of both electrodes with a Philips screwdriver, and remove the terminal covers. The illustration on the right describes the electrode after the terminal cover is removed.
- 3 Insert a Philips screwdriver into the hole of the electrode cover and loosen screw C. The heating element can be removed.
- 4 When mounting a new heating element, insert each terminal between the electrode plate and electrode plate spring. While pushing down the terminal with your fingers so it stays in place, tighten screw C with a Philips screwdriver.
- 5 Tighten the screw B loosened at the procedure 2 so the heating element is stretched tight. When the screw B is not tightened enough, the heating element will not be stretched tight enough, which may result in damaging the heating element.



Without loosening the screw B, the heating element will be kept stretched tight. Thus the heating element terminal cannot be inserted between the electrode plate and plate spring.



## 11-3 Replacing the glass tape and Sarcon sheet

Essential tools: Scissors, A Philips screwdriver

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

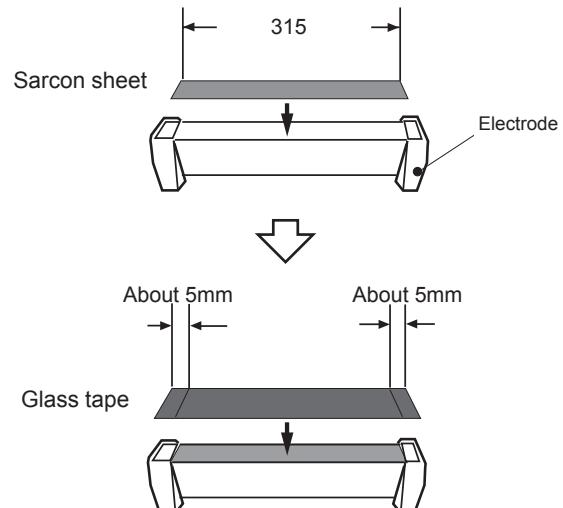
The glass tape and Sarcon sheet are either sold individually or included in the maintenance parts kit.

- 1 Carefully read the respective replacement instructions on the Teflon and heating element and remove all of them.
- 2 Completely remove the glass tape and Sarcon sheet.

**Attention!** Applying the Sarcon sheet and glass tape to a surface with adhesive residues will negatively affect the sealing surface.

- 3 Cut the new Sarcon sheet 2mm longer than the seal area for left and right sides and adhere it to the lever.
- 4 Adhere the glass tape over the Sarcon sheet so it covers the electrode about 5mm.

**TIPS** If the adhesive of the Sarcon sheet is weak when replacing the glass tape, please replace the Sarcon sheet as well.



## 11-4 Replacing the silicone rubber (white)

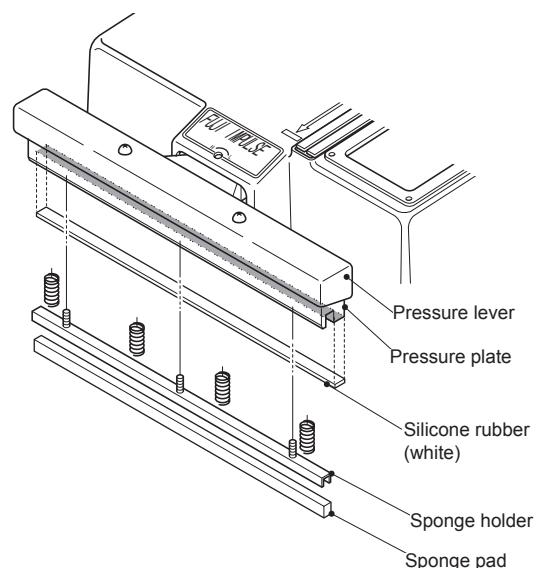
Essential tools: Industrial-purpose alcohol (Ethanol)

Replace when: The seal becomes messy, etc.

The silicone rubber is either sold individually or included in the maintenance parts kit.

- 1 For the V-300-10D model, please remove the glass tape adhered on the white silicone rubber.
- 2 Remove the damaged (old) white silicone rubber.
- 3 Using an industrial purpose alcohol, etc., completely remove the adhesive residues remaining on the metal portion of the pressure lever.
- 4 Adhere the new white silicone rubber starting from the edge.

**TIPS** Adhere the silicone rubber carefully as it cannot be reapplied.



## 11-5 Clean the filter and replacing the filter element

Essential tools: Monkey wrench or pliers

Replace when: The vacuuming is weak or the machine does not vacuum. The vacuumed contents are stuck in the filter element.

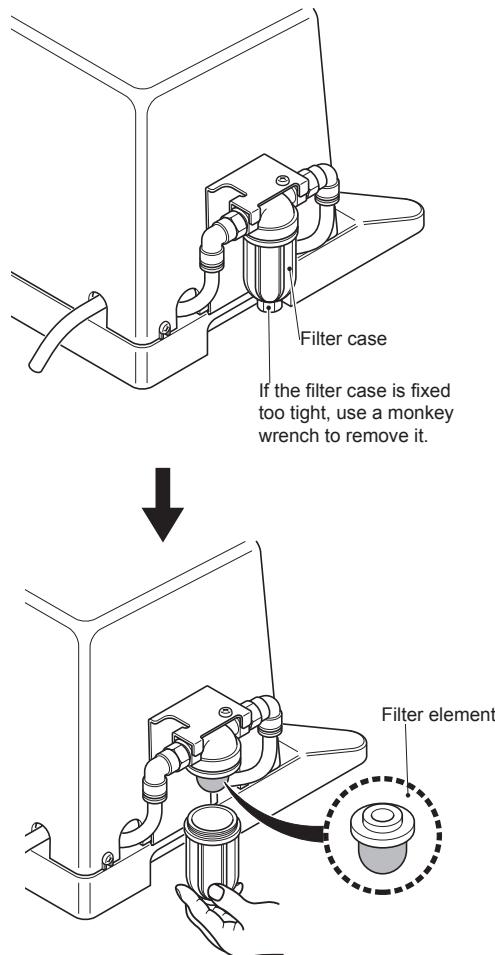
The filter and filter element are sold individually.

The foreign objects vacuumed through the nozzle will be collected in the filter case on the side of the body. When the situation described in the "Replace when" happens, please clean or replace the filter element in the following procedures.

- 1 Remove and clean the filter case when the vacuuming becomes weak or the foreign object is stuck in the filter element. Replace the filter element if it is clogged.
- 2 Remove the filter case. Remove the filter element by turning it counterclockwise and insert the new one.

**TIPS**

If the filter case is too tight and does not turn easily, use the monkey wrench and turn the hexagonal part at the bottom of the filter case.

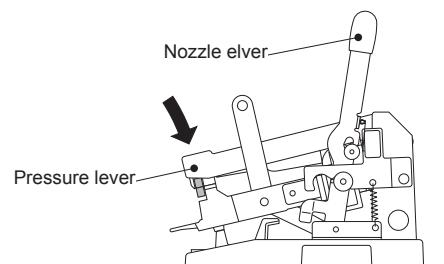
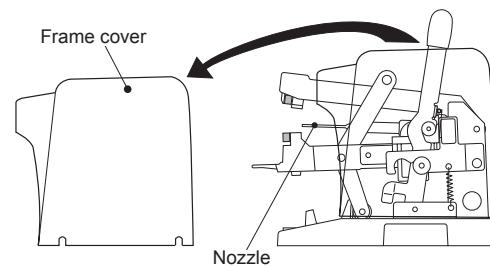


## 11-6 Replacing the nozzle

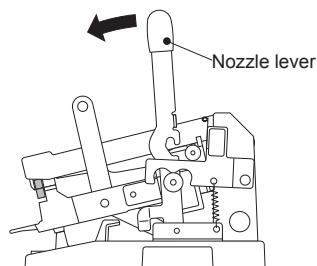
Essential tools: Philips screwdriver

Replace when: The vacuuming is weak or the machine does not vacuum. The nozzle is stuck with the foreign object

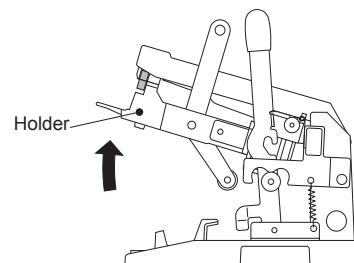
- 1 Remove the frame cover and table.
- 2 Press down the floating pressure bar as far as it will go. Leave the nozzle lever in an upright position.



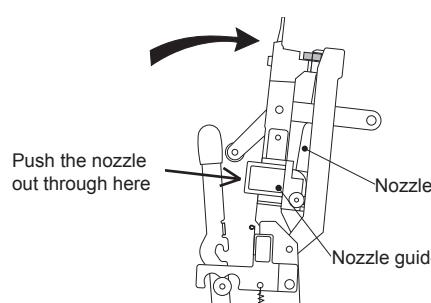
- 3 With the pressure bar in the down position, pull the nozzle lever toward you to release it from its coupling.



- 4 Lift up the holder while holding the nozzle lever.

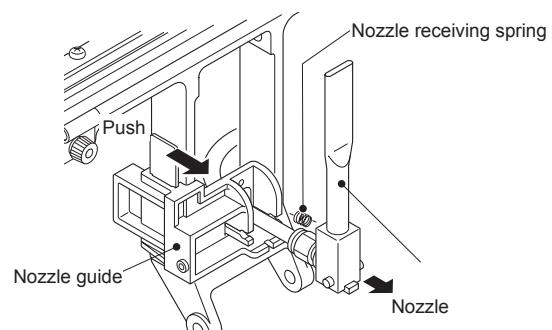


- 5 Lift up the holder part even further so you will see the nozzle guide under the nozzle.



- 6 The nozzle is simply inserted into the nozzle guide. It can be removed easily by pushing it with your fingers.

**TIPS** The nozzle receiving spring is located between the nozzle and nozzle guide. Be careful not to lose the spring.



- 7 When installing the nozzle, insert fully into the nozzle guide until you hear the clicking sound.

## 12 Adjusting the seal pressure

The optimum seal pressure varies depending on the film/pouch material and thickness. When using the machine for the first time or the sealing is not clean after changing the pouch, please adjust the seal pressure.



Always unplug the power plug before adjusting the pressure. It is very dangerous if the microswitch is activated without unplugging.

- 1 You can see the head of pressure adjusting screw from the adjusting hole on the frame cover by pushing down the table.
- 2 Adjust the sealing pressure by turning the adjusting screw using a Philips screwdriver.
- 3 Turning counterclockwise to the direction of H will increase the sealing pressure.
- 4 Turning clockwise to the direction of L will decrease the sealing pressure.



Tightening or loosening the screw excessively may damage the parts or cause them to come apart. Carefully adjust the sealing pressure.

