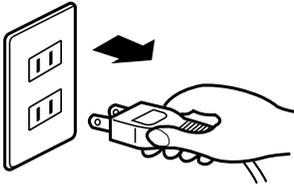


## 9 Replacing the routine maintenance parts

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

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

 **Warning** Always unplug power plug before replacing any parts or attaching/detaching U-shaped washer. There is a danger of electrocution if conducted with the plug still inserted.

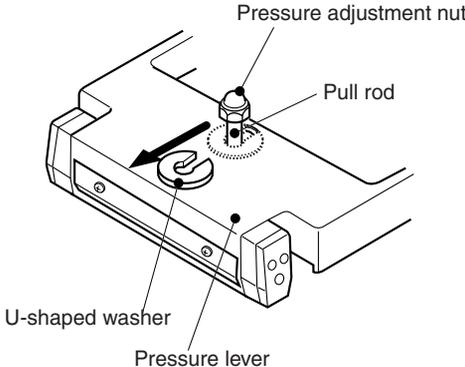


 Always unplug power plug from the wall outlet before conducting any maintenance.

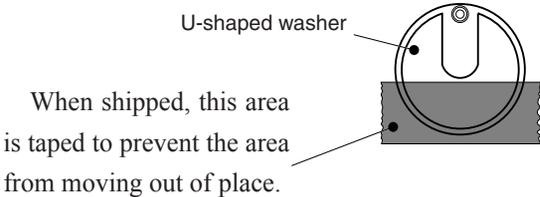
### Removing the U-shaped washer

Raise the pressure lever to ease the task of replacing parts.

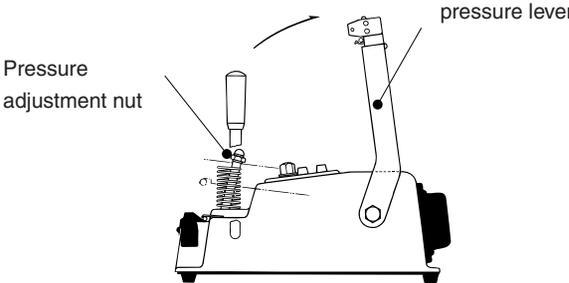
- 1 Pull out U-shaped washer from between the pressure adjustment nut on the tip of the pulling rod and pressure lever by pushing down the pressure lever. Repeat this action when re-attaching the U-shaped washer.



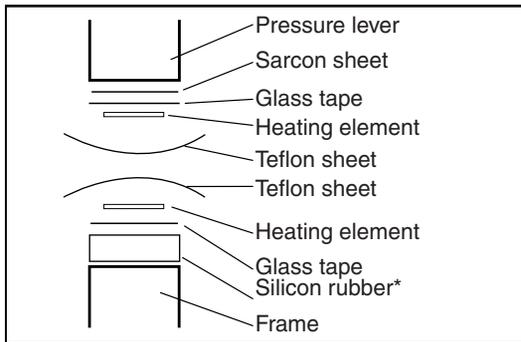
 **Caution** If the machine is operated with the U-shaped washer misaligned, undue pressure will be exerted on the pressure lever and damage may result. Set the washer securely into the groove.



- 2 The pressure lever can be raised once the pressure adjustment nut is passed through the hole in its top.



## Construction of the sealing area



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

\* Silicon rubber

The FT-130 utilizes aluminum silicon rubber.

## 9-1 Teflon replacement (on the Upper side)

"Essential tools" Scissors, Philips screwdriver

"Replace when" teflon is ripped, burnt, or when seals are irregular

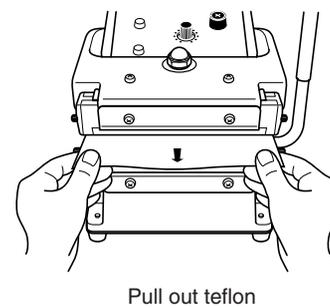
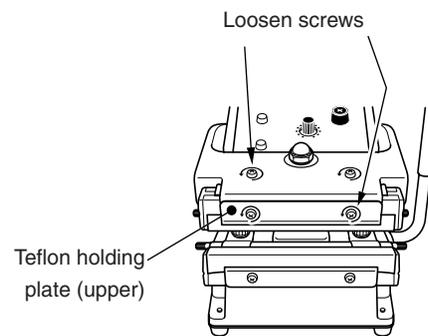
Teflon sheets are sold individually or as part of a repair kit.

25cm of extra teflon sheet is rolled on the winding rod.

1. Loosen the screws of the teflon holding plate and the screws on top of the pressure lever.
2. Pull out new sheet of teflon over the heating element by pulling the ends of the teflon.
3. Cut off excess with scissors.
4. When inserting, place ends of teflon sheet between teflon holding plate (upper) and pressure lever. Secure teflon holding plate with screws.
5. Straighten out teflon sheet by turning teflon winding rod.
6. Stabilize teflon winding rod by securing the screws on top of the pressure lever.

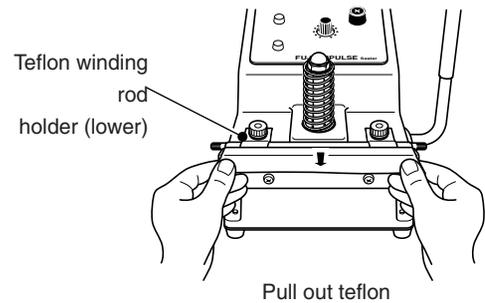
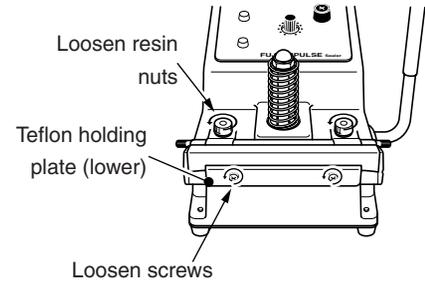
**TIPS**

Secure teflon winding rod by holding teflon winding rod holder (upper) while securing screws on top of the pressure lever (Refer to page 17).



## 9-2 Teflon replacement (on the Lower side)

1. Raise sealing clamp according to "Removing the U-shaped washer" found on page 13 of the operating instructions.
2. Loosen resin nuts and teflon holding plate screws.
3. Pull out new sheet of teflon over the heating element by pulling the ends of the teflon.
4. Cut off excess with scissors.
5. When inserting, place ends of teflon sheet between teflon holding plate (lower) and frame. Secure teflon holding plate with screws.
6. Straighten out teflon sheet by turning teflon winding rod.
7. Stabilize teflon winding rod with the teflon winding rod holder (lower) by turning the resin nuts.



## 9-3 Heating element replacement (on the Lower side)



When replacing heating element, check glass tape and sarcon sheet for any damage. If damaged, replace. There is a danger of a short circuit if the machine is operated with a damaged glass tape and sarcon sheet and the heating element comes into direct contact with the frame.

"Essential tools" Philips Screwdriver

"Replace when" Heating element is cut, uneven, or when seals are irregular

Heating elements are sold individually or as part of a repair kit.



If for some reason you misplace screw C (M4x6), please do not use a longer screw in its place. If a longer screw is used in its place, it will come into contact with screw D and may cause a short circuit.

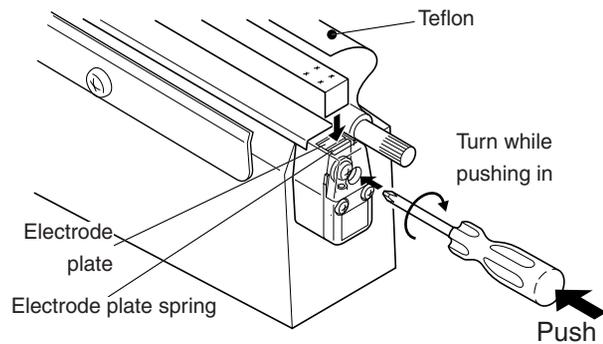
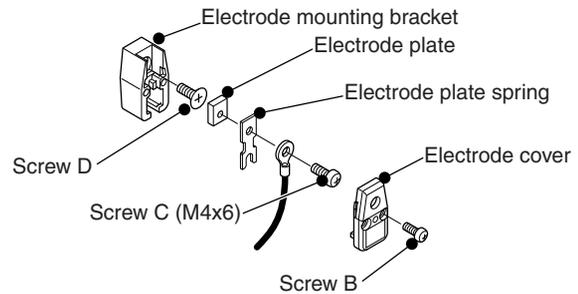
1. Remove teflon sheet (Refer to "Teflon replacement" on page 12).
2. Insert Philips screwdriver into the hole of the electrode cover to loosen screw C and remove heating element.



The machine is constructed so that the heating element may be replaced without removing the electrode cover to prevent accidental loss of any screws or the cover.

3. When mounting, insert the ends of the heating element between the electrode plate and plate spring. Hold ends of heating element to prevent shifting while screwing into place.

Electrode component parts



## 9-4 Heating element replacement (on the Upper side)



When replacing heating element, check glass tape and sarcon sheet for any damage. If damaged, replace. There is a danger of a short circuit if the machine is operated with a damaged glass tape and sarcon sheet and the heating element comes into direct contact with the frame.

"Essential tools" Philips Screwdriver

"Replace when" Heating element is cut, uneven, or when seals are irregular

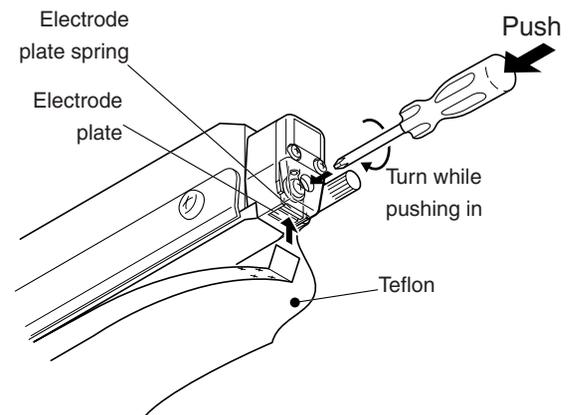
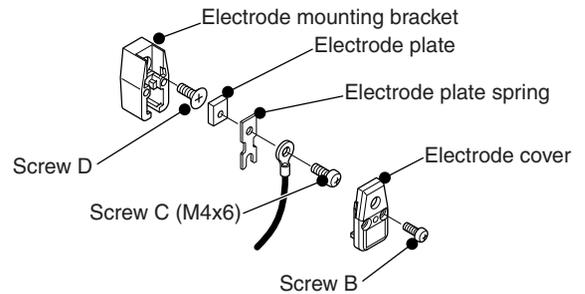
Heating elements are sold individually or as part of a repair kit.



If for some reason you misplace screw C (M4x6), please do not use a longer screw in its place. If a longer screw is used in its place, it will come into contact with screw D and may cause a short circuit.

1. Remove upper teflon sheet (Refer to "Teflon replacement" on page 14 and 15).
2. Insert Philips screwdriver into the hole of the electrode cover to loosen screw C and remove heating element. There is no need to remove the electrode cover.
3. When mounting, insert the ends of the heating element between the electrode plate and plate spring. Hold ends of element to prevent shifting while securing with screw C.

### Electrode component parts



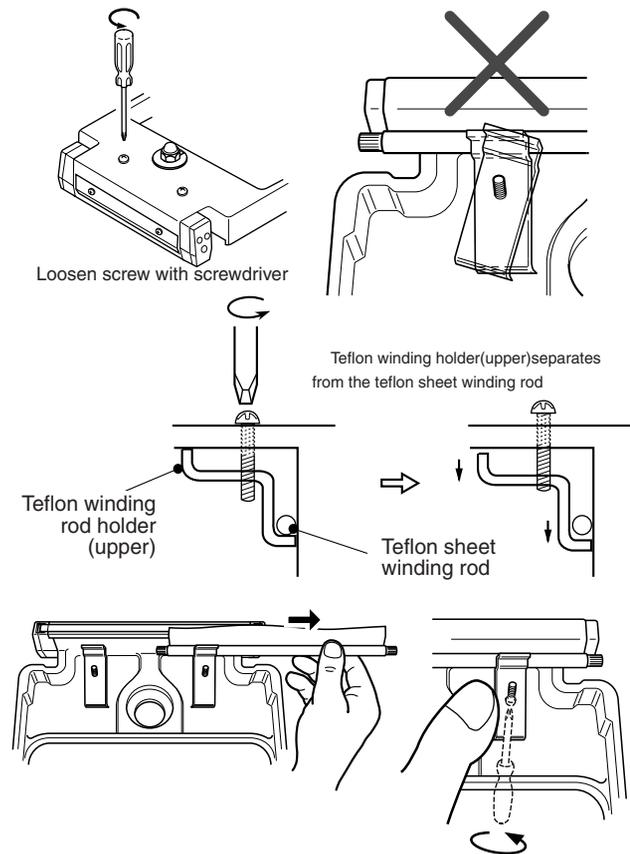
## 9-5 Teflon sheet winding rod replacement

"Essential tools" Scissors, screwdriver (Philips)

"Replace when" Heating element frequently tears or when seals are irregular

Glass tape and sarcon sheets are sold individually or as part of a repair kit.

1. Remove teflon and heating element according to "Teflon replacement" and "Heating element replacement" on pages 14 to 16.
2. Carefully remove the glass tape(both pressure lever and frame) and sarcon sheet.
3. Place a new sarcon sheet on the pressure lever side along the length of the sealing area.
4. Place glass tape over the sarcon sheet on the pressure lever side. On the frame side, place glass tape over the silicone rubber. Glass tape should be about 5mm longer on each side of the sealing area (over the electrodes).



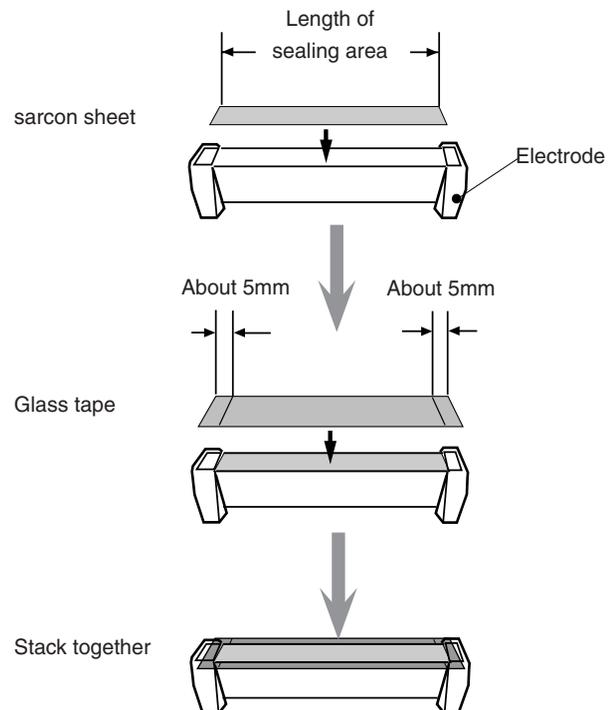
## 9-6 Glass tape and sarcon sheet replacement

"Essential tools" Scissors, screwdriver (Philips)

"Replace when" Heating element frequently tears or when seals are irregular

Glass tape and sarcon sheets are sold individually or as part of a repair kit.

1. Remove teflon and heating element according to "Teflon replacement" and "Heating element replacement" on pages 14 to 16.
2. Carefully remove the glass tape(both pressure lever and frame) and sarcon sheet.
3. Place a new sarcon sheet on the pressure lever side along the length of the sealing area.
4. Place glass tape over the sarcon sheet on the pressure lever side. On the frame side, place glass tape over the silicone rubber. Glass tape should be about 5mm longer on each side of the sealing area (over the electrodes).



If tape is placed on areas where adhesive is still exposed, this will cause adverse effects to the sealing surface.

### 9-7 Silicone rubber replacement

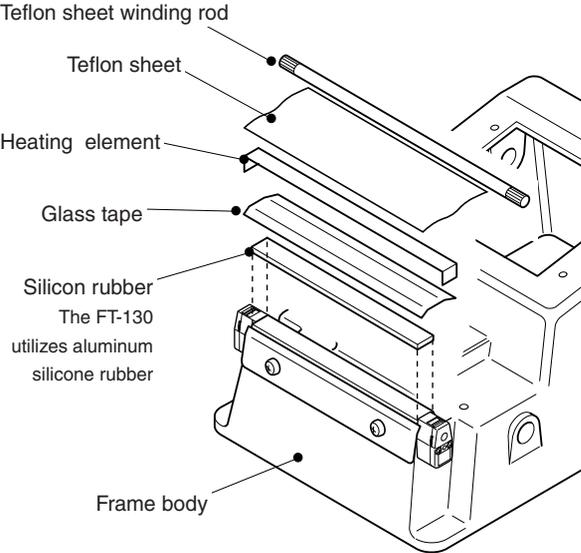
"Essential tools" Paint thinner, industrial alcohol

"Replace when" Seals are irregular

Silicone rubber is sold individually or as part of a repair kit.

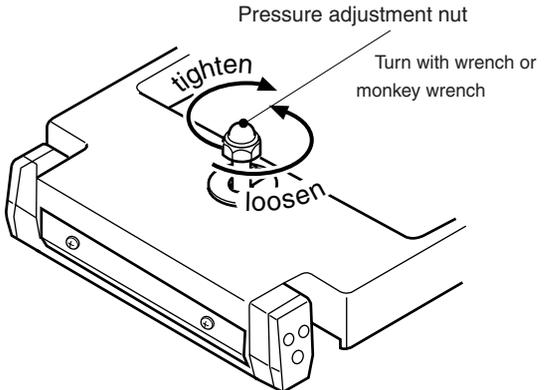
1. Remove teflon and heating element according to "Teflon replacement" and "Heating element replacement". Peel off glass tape from the silicone rubber.
2. Use industrial alcohol to remove any adhesive remaining on the metal part of the sealing surface.
3. Carefully place new silicone rubber starting from the edge.

**TIPS** Carefully place silicone rubber since it cannot be applied again once it is in place.

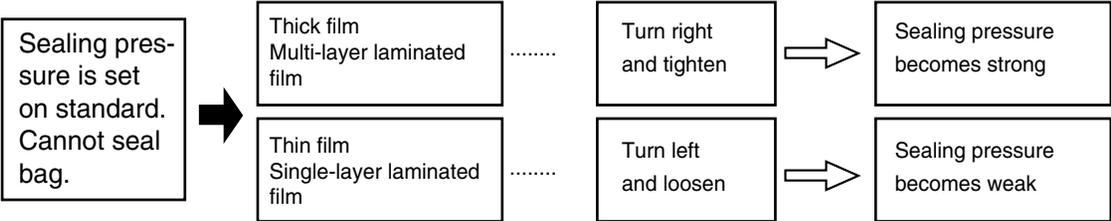


### 10 Adjusting the pressure adjustment nut

When shipped, the machine's sealing pressure is set to accommodate a standard bag. The appropriate sealing pressure will differ according to the type of film used and the thickness and shape of the bag. Adjust the sealing pressure according to the flow chart.



#### Sealing pressure adjustment procedure



**Caution** If the pressure adjustment nut is over tightened, the sealing clamp will be overstressed and there is a possibility of damage to the machine. If the pressure adjustment nut is frequently tightened and loosened, the plate spring will become weak and the pressure adjustment nut may gradually loosen during sealing.