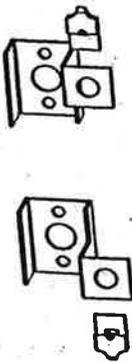
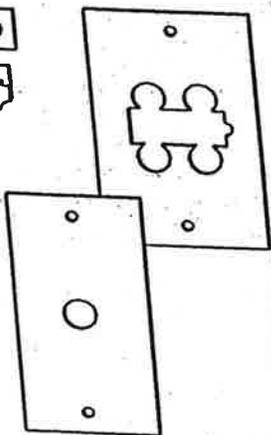
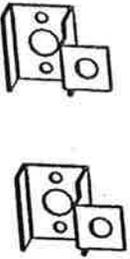
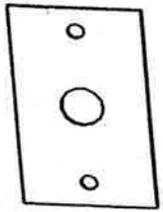
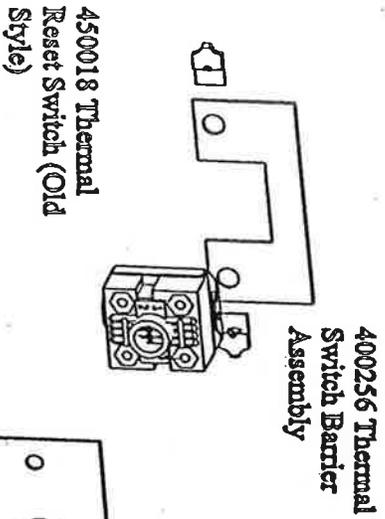


Old and New Style Thermal Reset Switch Assemblies

Old

New



Thermal Switch Barrels

400640 Thermal Switch Bracket Kit (Left and Right)

Heating Element Replacement Instructions for Durastill Models; 30-A, B, C, D, H, J, and 46-A, C

Caution: Always unplug the distiller from electrical power before attempting to service.

The following procedure should be used to replace the current style heating element in Durastill Models 30 A, B, C, D, H, J, or 46-A, C. For models using the older style thermal strap and thermal switch bracket refer to the special notes below.

1. Remove distiller from power source and drain the evaporator tank.
2. Remove front panel and lid.
3. Disconnect wiring from heating element terminals and remove the phenolic cover and switch barrier from the thermal reset button.
4. Remove the 6-32 nut, epoxy washer and silicone disc from each terminal of the heating element.
5. Remove the two 10-32 Kep nuts from each compression cap. Remove the compression caps and compression seal rings.
6. Extract the heating element from inside the evaporator.
7. To reassemble the new heating element bracket support, refer to the following steps and figures.
 - A. If the support bracket and thermal switch bracket are as shown and do not leak, insert the heating element (figure 1).
 - B. Place the seal rings over the ends of the heating element ends as shown. Using a blunt instrument, press the seal ring into the pocket around the heating element. Next, place the larger compression pad on the heating element end and then the smaller pad on top. Align pads between nuts (figure 2).
 - C. With the heating element contact loop against the tank wall, install the compression cap over the compression pad and tighten Kep nuts (figure 3).
 - D. Replace the silicone disc, epoxy washer, and 6-32 terminal nuts. Be sure the heating element terminals do not touch or protrude past the phenolic cover. Attach the wires to the heating element. Replace the phenolic cover, switch barrier, and the thermal reset button (figure 4).
 - E. Fill with water and check for leaks. If the seals leak, tighten or reinstall the seals. If the seals do not leak, replace the cover and plug the distiller into the power source. Only plug into the power source after testing for and correcting any leaks.
 - F. Check the operation of the distiller for proper water levels.

Replacement instructions for models using the older style thermal strap and thermal switch bracket.

Note: Remove old style thermal strap and thermal switch bracket. Place the new support bracket through the inside of the tank as shown and place the new thermal switch bracket on the outside of the tank, use the standard 10-32 hex nuts. To assure proper alignment of parts, insert the heating element through the tank wall as shown. Before tightening the bracket nuts, adjust brackets so the heating element is centered as near as possible in the space provided for the seal ring. Tighten all nuts. Plug the old thermal strap holes with the teflon wrapped 10-32 stainless steel bolts and Kep nuts (figure 1 & 5).

Note: To prevent leaks from occurring, BE SURE the new support brackets are factory wrapped with teflon tape before assembly. Always tighten the nuts on each heating element bracket equally to insure the support bracket is firmly seated.

Note: After this conversion, future heating element changes will require only the removal of the compression cap and pads, seal ring, and heating element.

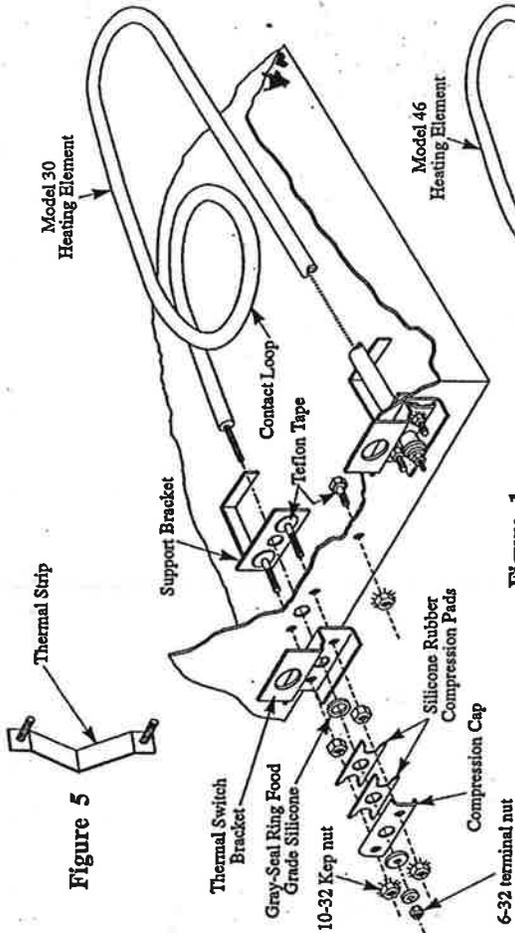


Figure 1

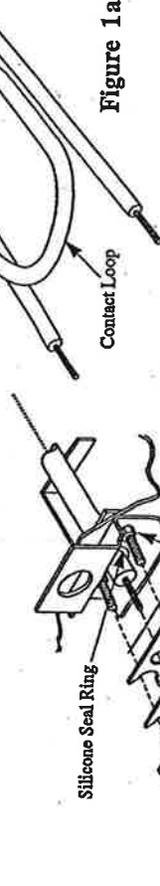


Figure 1a



Figure 2

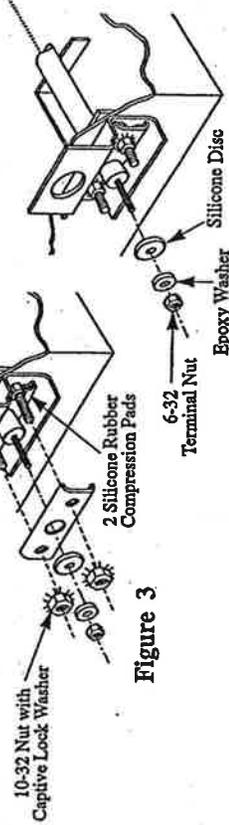


Figure 3

Figure 4

DURASTILL
 4200 NE Birmingham Rd. • Kansas City, MO 64117
 (816) 454-5260 • FAX (816) 452-7581