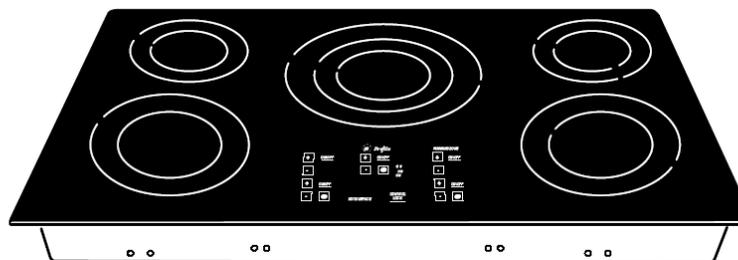
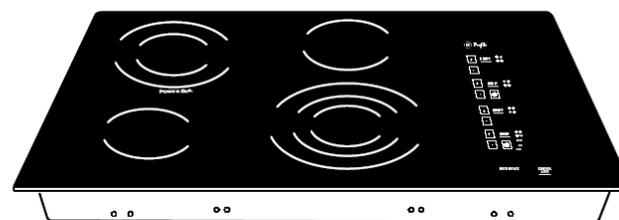


Profile 30- and 36-in. Cooktops

Models:

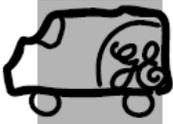
PP945BM/SM/WM

PP975BM/SM/WM



Tech Manual 31-9149

Warranty



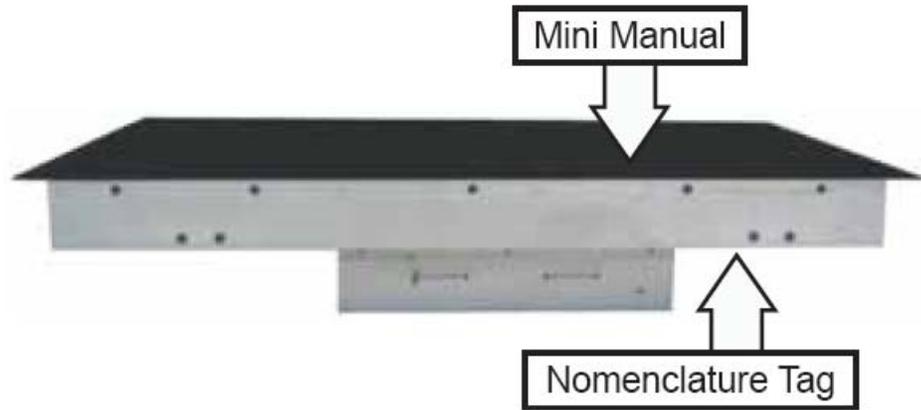
All warranty service provided by our Factory Service Centers, or an authorized Customer Care® technician. To schedule service, on-line, 24 hours a day, visit us at ge.com, or call 800.GE.CARES (800.432.2737). Please have serial number and model number available when calling for service.

Staple your receipt here.
Proof of the original purchase date is needed to obtain service under the warranty.

For The Period Of:	GE Will Provide:
One Year From the date of the original purchase	Any part of the cooktop which fails due to a defect in materials or workmanship. During this limited one-year warranty , GE will also provide, free of charge , all labor and in-home service to replace the defective part.
Five Years From the date of the original purchase	A replacement glass cooktop if it should crack due to thermal shock, discolor, or if the pattern wears off. A replacement radiant surface element if it should burn out. During this limited additional four-year warranty , you will be responsible for any labor or in-home service.



Mini Manual & Model / Serial Plate Location



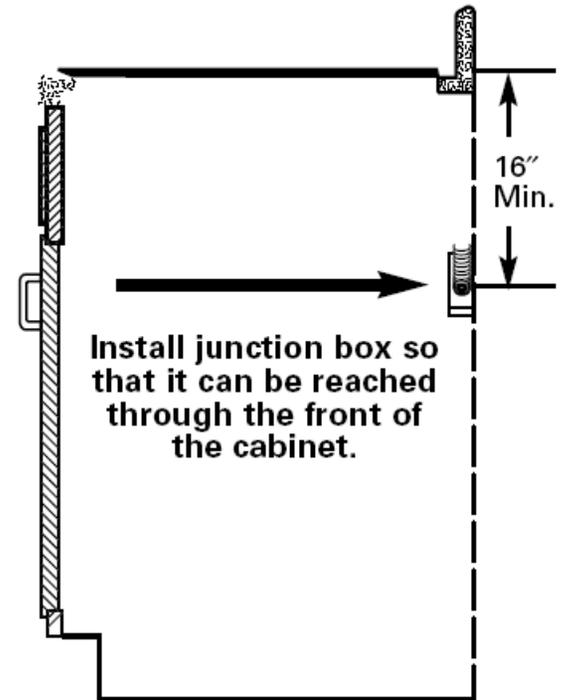
The nomenclature tag of your cooktop is located on the bottom of the burner box. In addition to the model and serial numbers, this tag tells you the power ratings of the supply circuit for the cooktop.

The mini-manual is located under the glass top, inside the control enclosure.

Installation

WARNING: This appliance must be properly grounded.

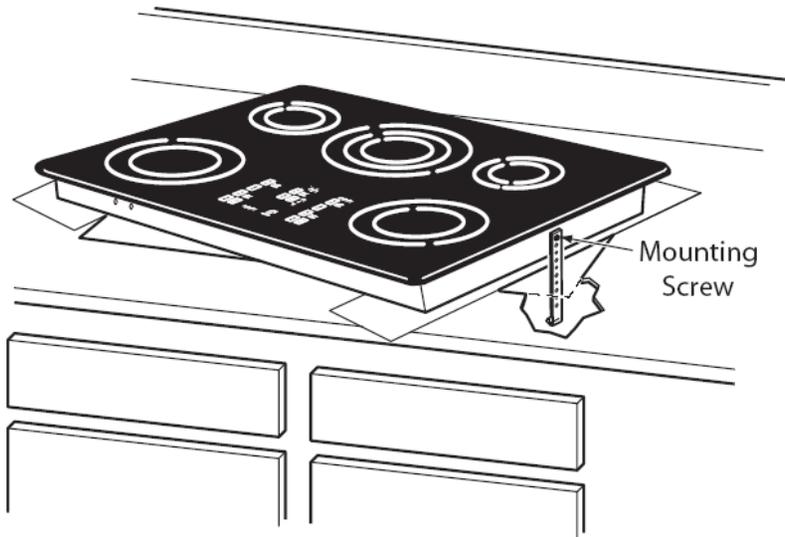
All cooktops must be hard wired (direct wired) into an approved junction box. The junction box must be easily reached through the front of the cabinet where the cooktop will be located. Allow considerable slack in the conduit for serviceability. A “plug and receptacle” is not permitted on these products.



Cooktop Removal from Countertop

Caution: The hold-down brackets and screws on the bottom of the burner box can damage the countertop surface. Use care to protect the countertop appearance.

1. Remove screws that attach the hold-down brackets to the inside of the cabinet.

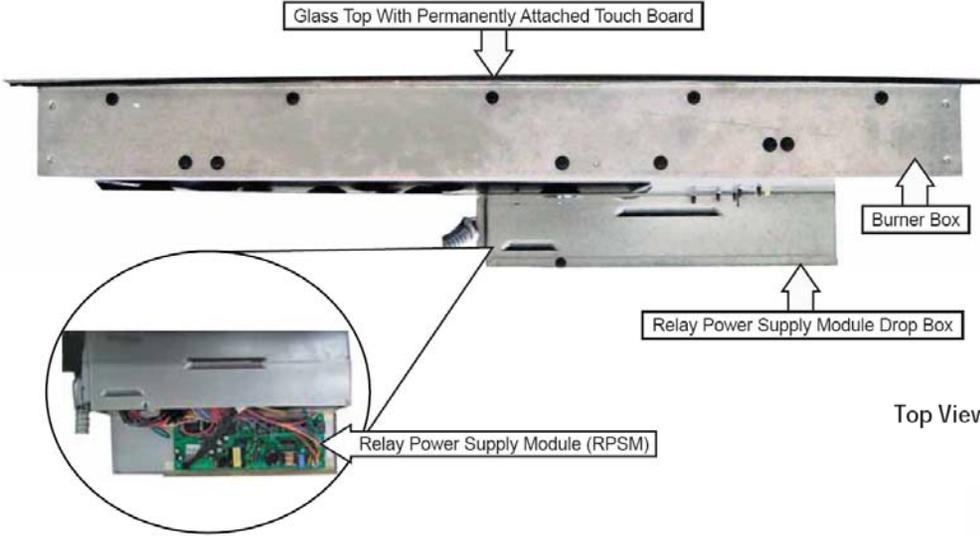


Note: In the following step, it will be necessary to utilize 2 strips of wood or cardboard.

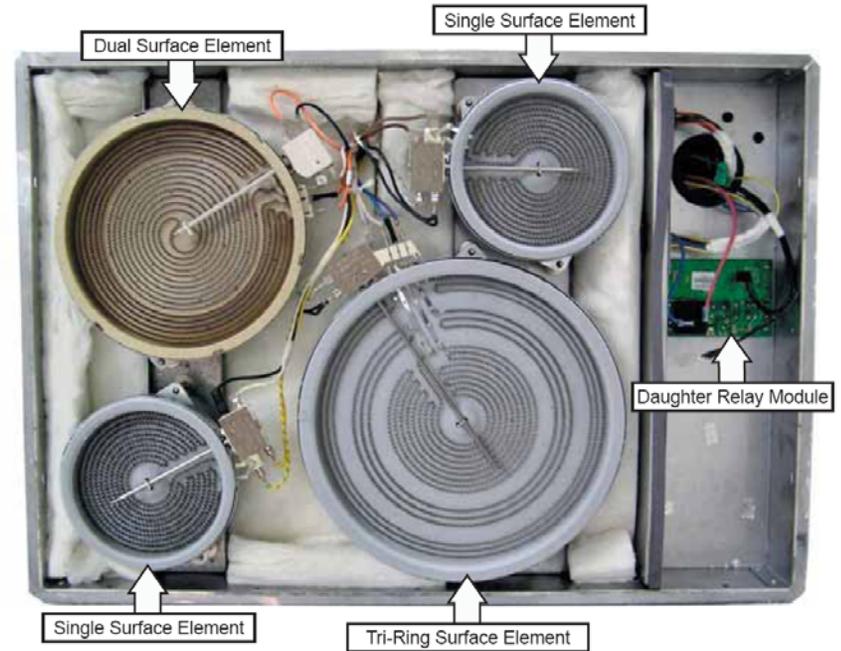
2. Push upward on the bottom of the burner box approximately 4 in. and rotate slightly left or right (to the best working advantage). Shim under the burner box with protective wood or cardboard as shown.
3. Remove the mounting screw and hold-down bracket from each side of the cooktop.

Component Locator Views

Front View (Model PP945)

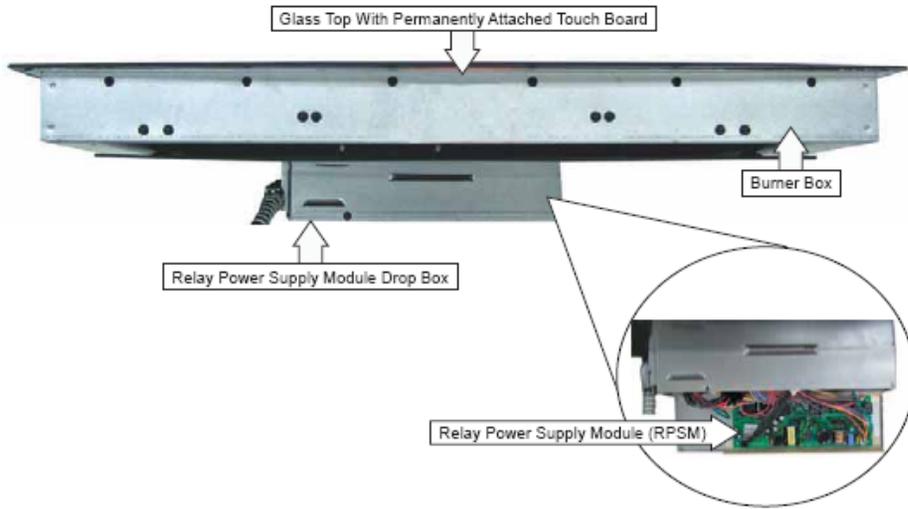


Top View - Glass Top Removed

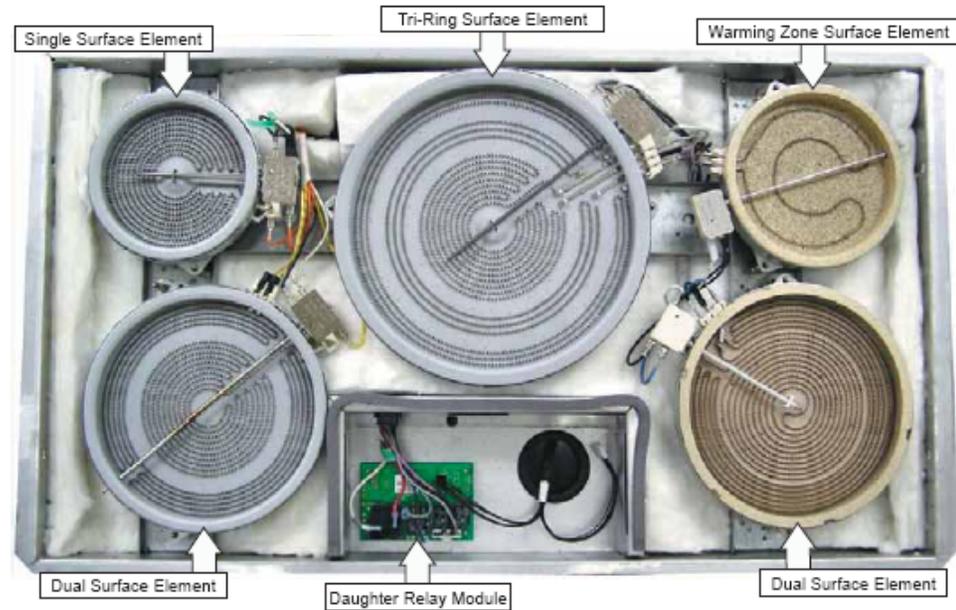


Component Locator Views

Front View (Model 975PP)



Top View - Glass Top Removed

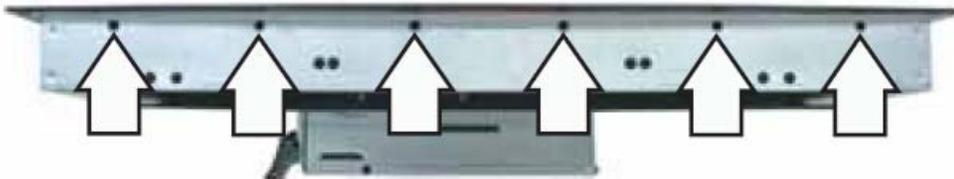


Glass Top Removal (1)

Note: The ceramic glass top and touch board will be supplied as a complete assembly. If the touch board is damaged or defective, the entire glass top assembly must be replaced.

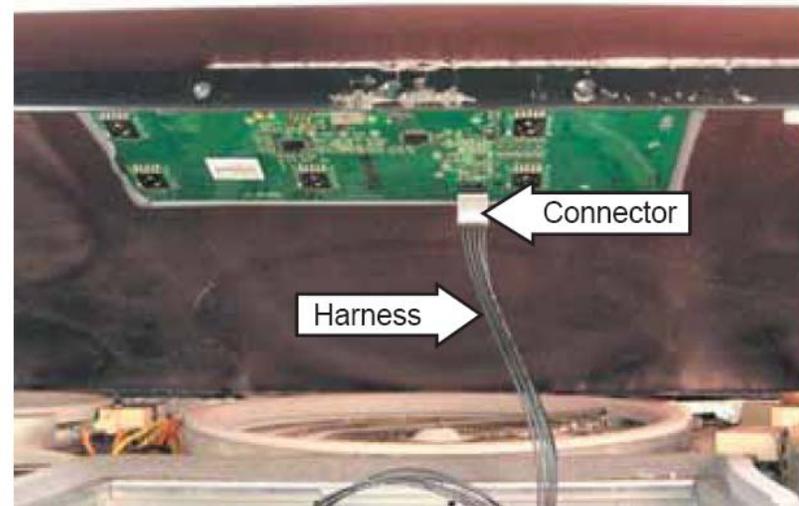
Caution: To prevent electrostatic discharge that can damage electronic controls, ground yourself to the metal burner box or use an ESD wristband.

1. Remove the cooktop from the countertop. (See *Cooktop Removal From Countertop*.)
2. Remove all screws along the top edge on all 4 sides of the burner box.



Glass Top Removal (2)

3. Slowly lift the front of the glass top (PP975), or the right side of the glass top (PP945), approximately 6 inches.
4. With the glass top tilted at an angle, disconnect the wire harness that extends from the daughter relay module (DRM) to the user interface by pulling downward on the connector. ***Do not pull on the wires.***
5. Remove the glass top from the burner box. Place the glass top on a protected surface.

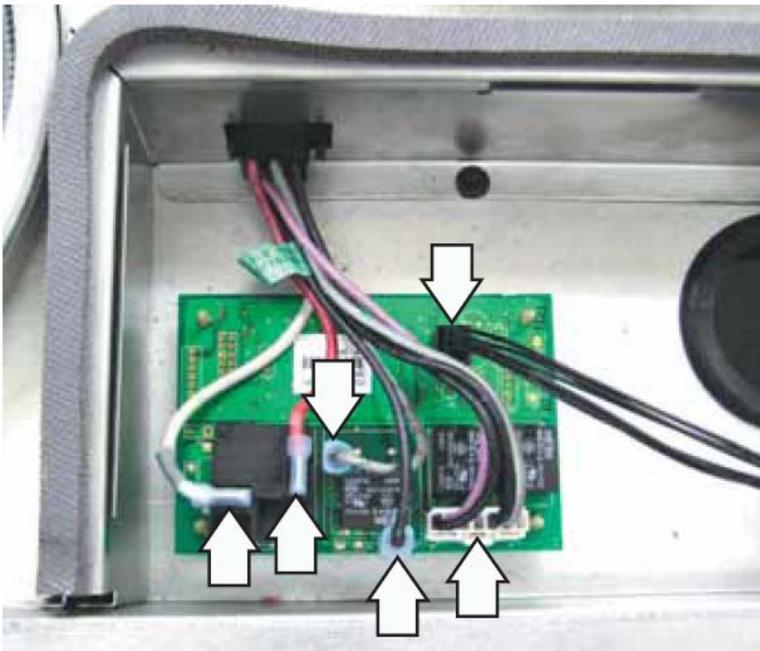


Model PP975 Shown

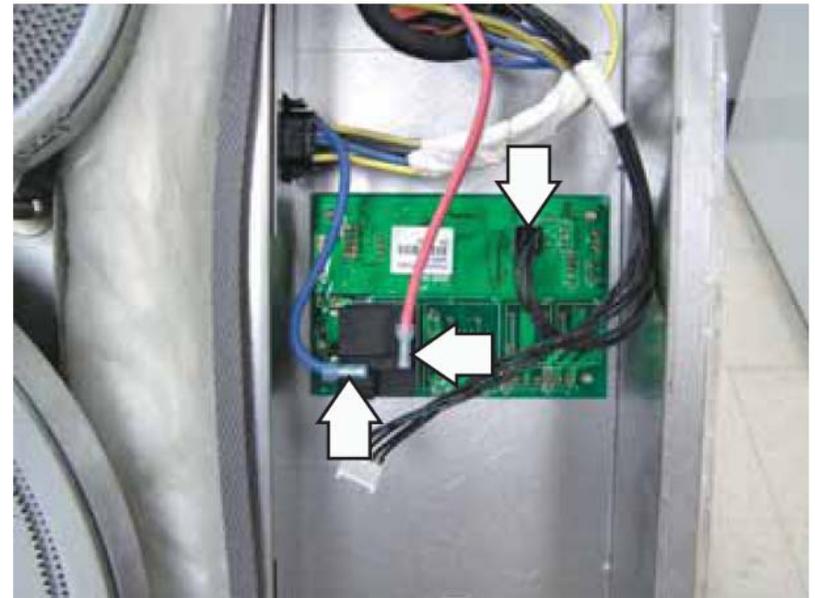
Daughter Relay Module (DRM) (1)

To replace the DRM:

1. Remove the glass top. (See *Glass Top*.)
2. Mark and disconnect wiring from the module.



Model PP975

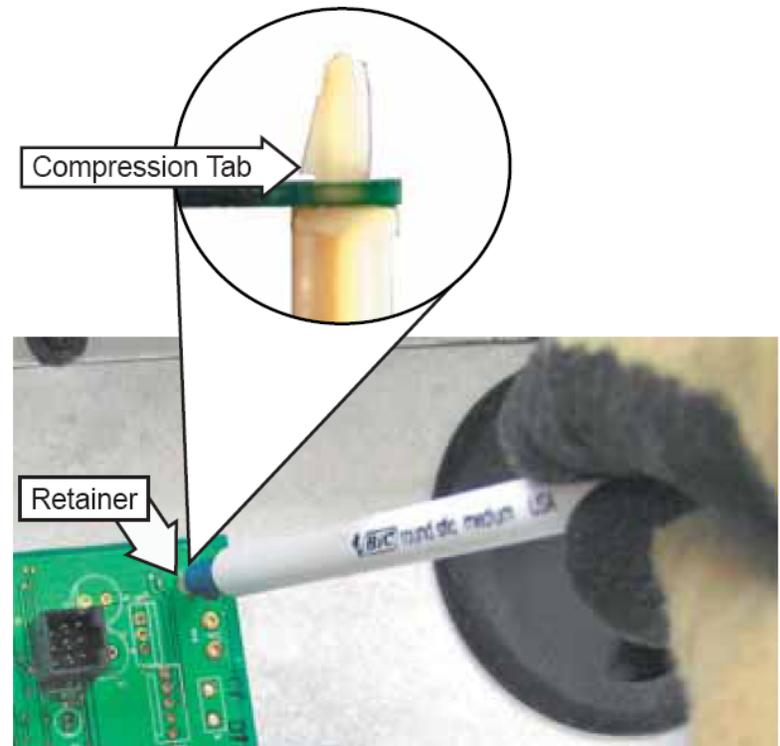


Model PP945

Daughter Relay Module (DRM) (2)

Note: The module is held in place by 4 retainers that lock the board in place using compression tabs. It may be helpful to remove the ink tube from an inexpensive ballpoint pen and place the barrel of the pen over each retainer to compress the tab.

3. Compress the 4 tabs and lift the module from the recess in the burner box.



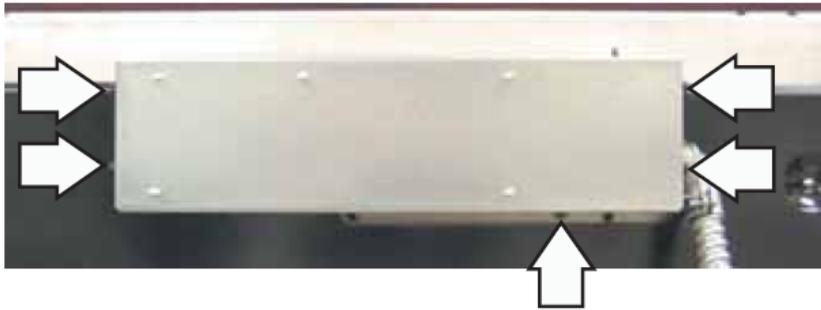
Relay Power Supply Module (RPSM) (1)

If the RPSM is damaged or defective, it can be accessed by opening the drop box that is under the cooktop.

Note: If the drop box is inaccessible, it will be necessary to remove the cooktop from the countertop. (See *Cooktop Removal from Countertop.*) Place the cooktop upside down on a protected surface.

To replace the RPSM:

1. Remove the five ¼-in. hex-head screws from the drop box cover.



2. Lift the cover up (or pull down if cooktop is installed) and rotate it towards the rear of the cooktop.

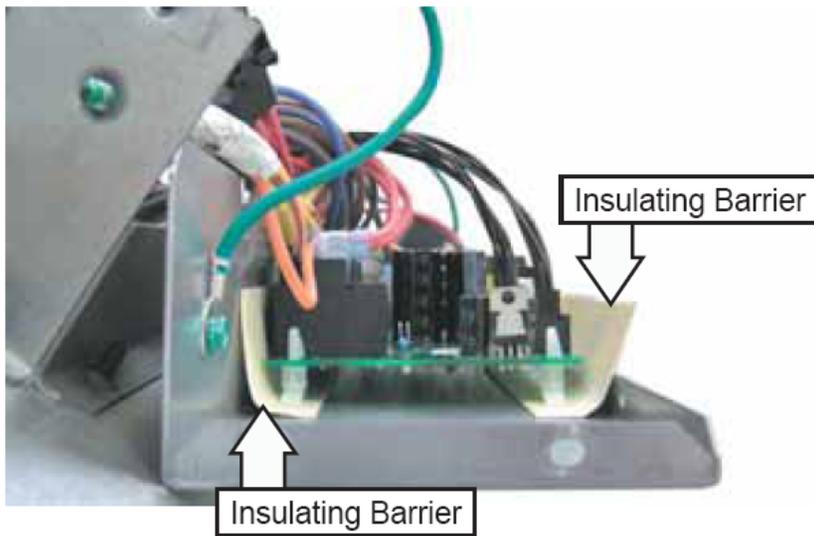
Relay Power Supply Module (RPSM) (2)

3. Mark and disconnect wiring from the module.
4. Compress the 5 tabs and lift the module from the drop box cover.

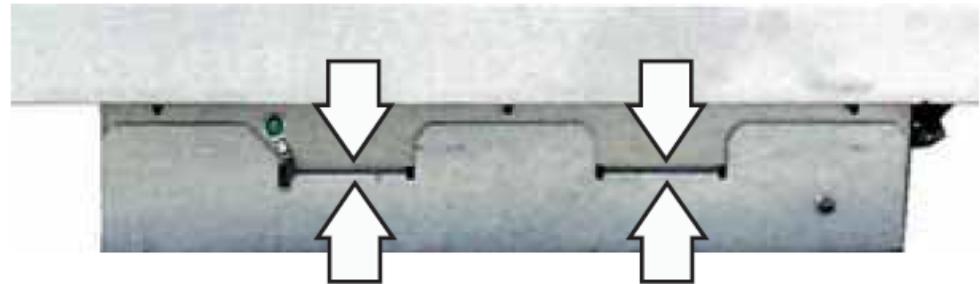


Relay Power Supply Module (RPSM) (3)

- When reinstalling the cover on the drop box, ensure that the 2 insulating barriers are positioned inside the drop box and against the sides of the circuit board.
- Make certain wiring is not pinched between the cover and drop box.



Note: Make sure the 2 drop box cover tabs are engaged in the drop box before replacing screws.

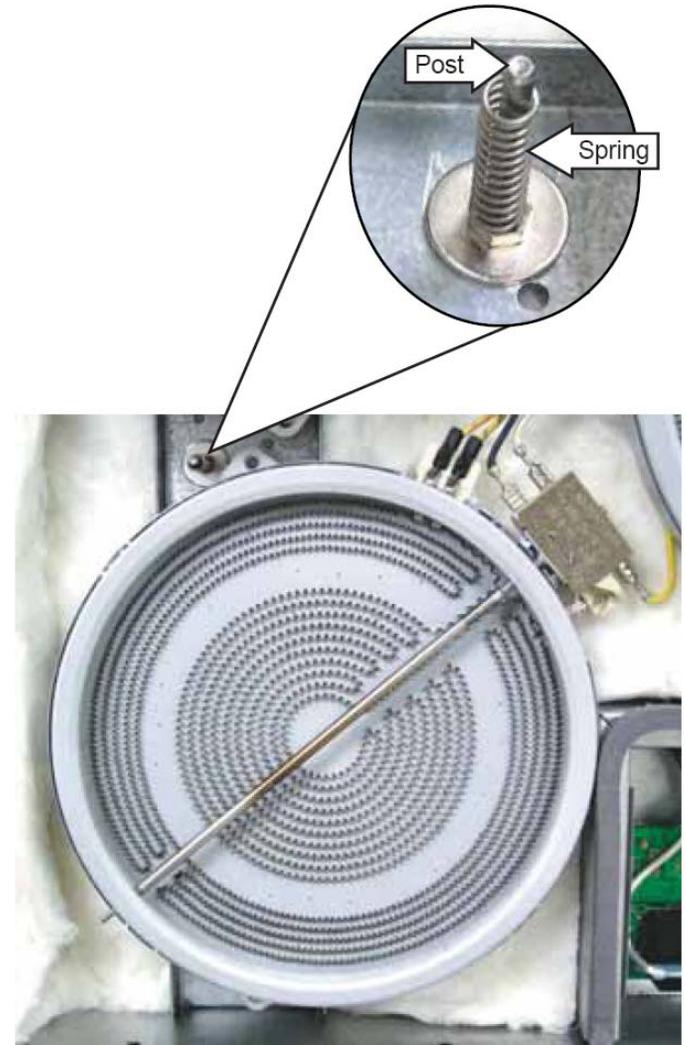


Heating Elements (1)

To remove heating elements:

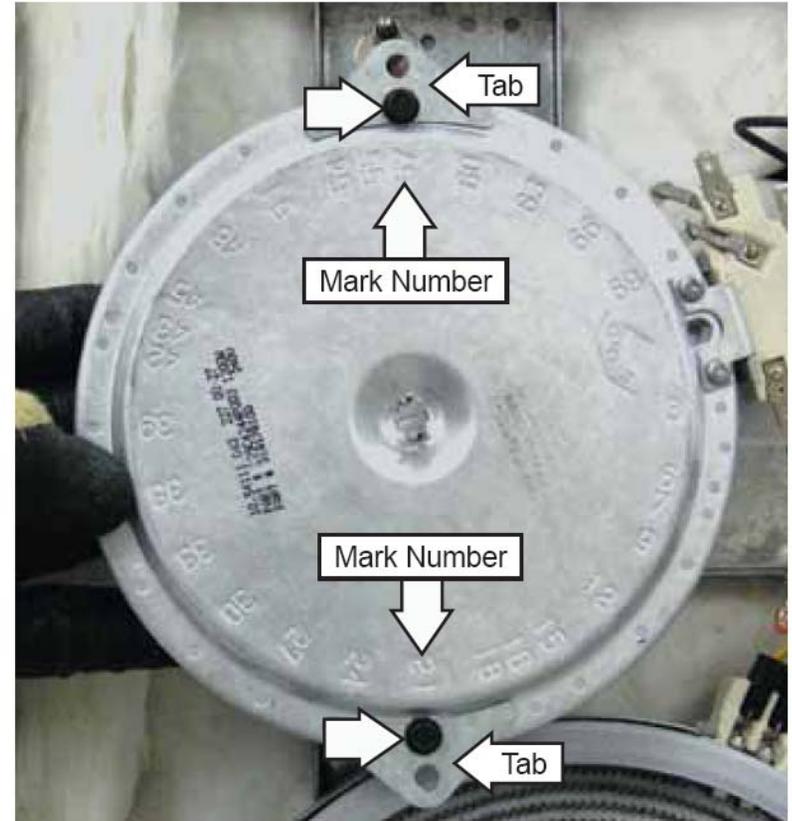
1. Remove the glass top. (See *Glass Top*.)
2. Mark and remove the wires to the element.
3. Lift the element off the springs.

Note: When installing the new heating element, make sure the 2 springs are on the 2 posts.



Heating Elements (2)

4. Mark the numbers on the bottom of the element next to the tabs.
5. Remove the two ¼-in. hex-head screws and tabs. Install them on the new element in the same numbered position.



Element Resistance Troubleshooting (1)

WARNING: The power must be disconnected from the cooktop.

The resistance of certain elements and the continuity of certain element circuit wiring can be tested without removing the cooktop from its installation. This test will aid the service technician in determining if the RPSM or the DRM should be replaced. **This test assumes the touch board functions properly.**

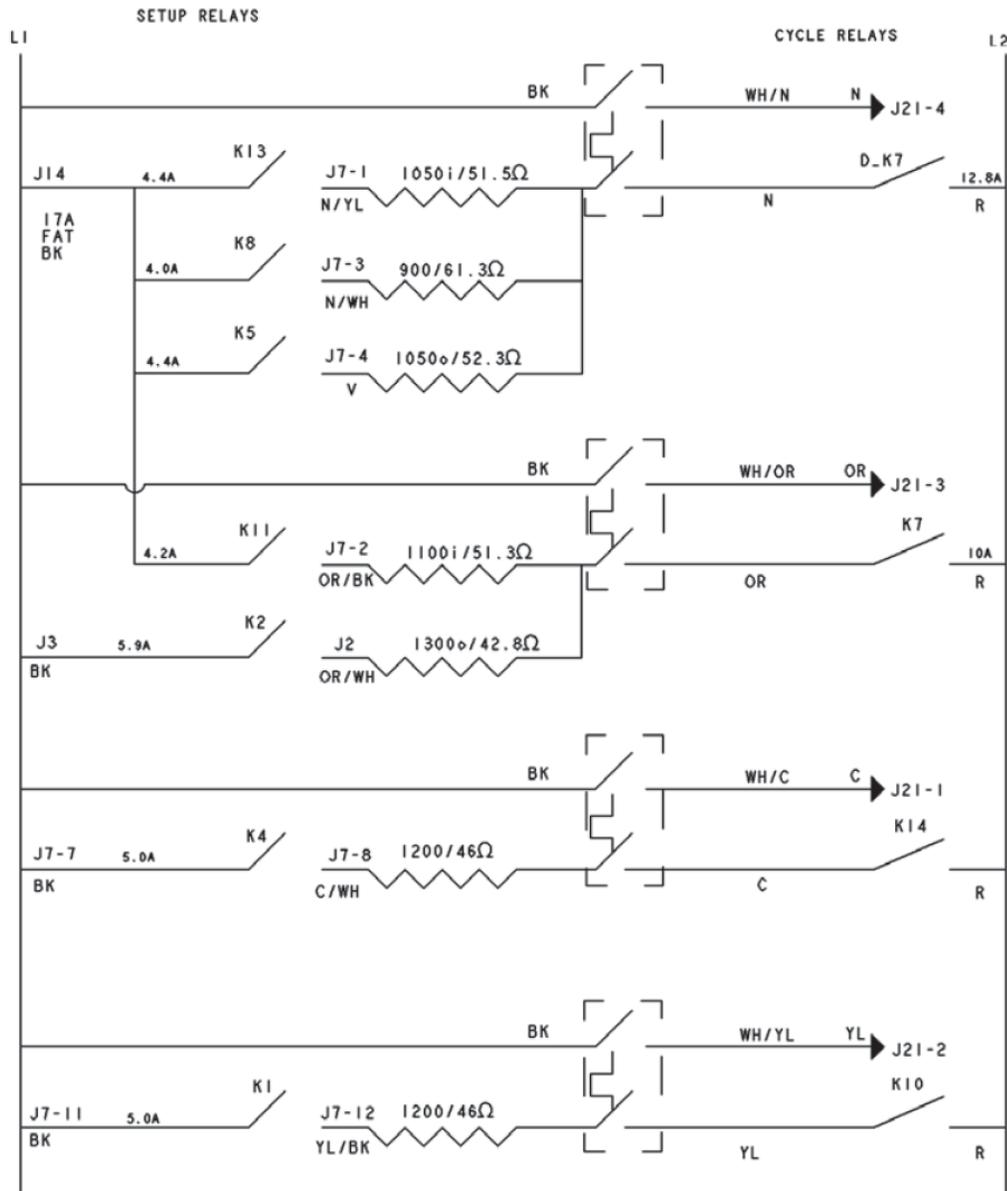
Model PP945

Component	Ohms	Test Location	Open Circuit Correction
Left Rear 1100W Inner Element*	50 Ω	RPSM J2 to K7 Orange	Check Element and wiring. Both OK - replace RPSM
Left Rear 1300W Outer Element*	43 Ω	RPSM J7-2 to K7 Orange	Check Element and wiring. Both OK - replace RPSM
Left Front 1200W Element*	45 Ω	RPSM J7-12 to K10 Yellow	Check Element and wiring. Both OK - replace RPSM
Right Front 1050W Inner Element**	52 Ω	RPSM J7-1 to DRM K7 Blue	Check Element and wiring. Both OK - replace DRM
Right Front 900W Center Element**	61 Ω	RPSM J7-3 to DRM K7 Blue	Check Element and wiring. Both OK - replace DRM
Right Front 1050W Outer Element**	53 Ω	RPSM J7-4 to DRM K7 Blue	Check Element and wiring. Both OK - replace DRM
Right Rear 1200W Element*	46.5 Ω	RPSM J7-8 to K14 Brown	Check Element and wiring. Both OK - replace RPSM

* Requires opening the drop box.

** Requires removing cooktop from it's installation and removing glass top.

PP945



N/YL=BLUE+YELLOW WIRE
 N/WH=BLUE+WHITE WIRE
 V=PURPLE WIRE
 OR/BK=ORANGE+BLACK WIRE
 OR/WH=ORANGE+WHITE WIRE
 C/WH=BROWN+WHITE WIRE
 YL/BK=YELLOW+BLACK WIRE
 N=BLUE WIRE
 OR=ORANGE WIRE
 C=BROWN WIRE
 YL=YELLOW WIRE
 R=RED WIRE
 BK=BLACK WIRE
 WH/N=WHITE+BLUE WIRE
 WH/OR=WHITE+ORANGE WIRE
 WH/C=WHITE+BROWN WIRE
 WH/YL=WHITE+YELLOW WIRE

See Tech Manual
 for PP975 schematic
 & diagnostic charts
 And additional info
 On the PP945.