

# Part Install Instructions

## WB21X36771 Infinite Heat Switch Kit



### IMPORTANT SAFETY NOTICE

The information in this part instruction is intended for use by individuals possessing adequate backgrounds of electrical, electronic and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.



### WARNING

To avoid personal injury, disconnect power before servicing this appliance. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks. **RECONNECT ALL GROUNDING DEVICES** If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

### Parts Included:

- WB00X37845 - Infinite Heat Switch
- WB00X6301L - Stem Adapter
- WB00X6971 - Mounting Hardware Kit
- WB00X36770 - Instruction Sheet

**Overview –** The Switch in this Kit has a breakoff shaft and adaptor kit designed to replace several switches of this type. Use the adapter that matches the shaft of the old switch.

- Step 1 – Disconnect power to the Range before servicing.  
Step 2 – Remove dial from switch.  
Step 3 – Gain access to the inoperative switch.  
Step 4 – Label all wires or make an exact drawing of wiring configuration before removing any wires.  
Step 5 – Remove the original switch.  
Step 6 – Determine mounting type for the new switch:  
Screw Mount or Palnut.

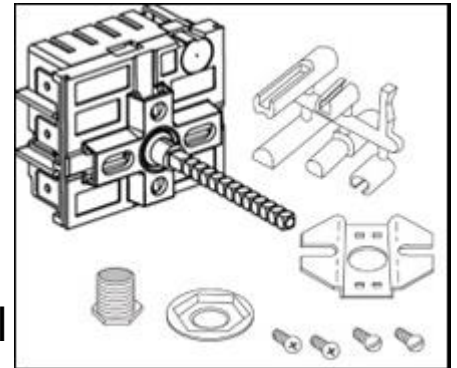
**Note:** This infinite switch **must be** mounted with the slotted vents at the top and the knob in the OFF position.

Screw Mount (Figure 1) is the most common.

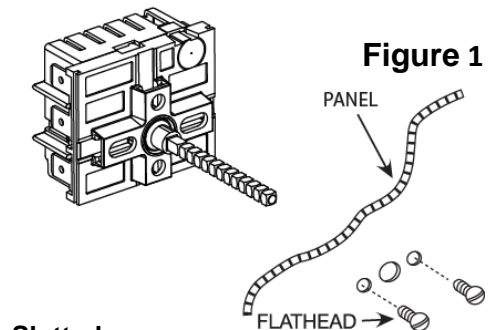
Attach the new switch to the rear panel with the original screws or the two supplied flathead screws.

Palnut mount (Figure 2) requires adding the bushing and the bracket before inserting the shaft through the rear panel. Secure the switch to the rear panel with the palnut (finger tight).

Step 7 – Temporarily mount the switch and place the original knob on the new switch shaft using one of the adapters on the Stem Adapter (**Figure 3**). Make sure the shaft goes in all the way. See (**Figure 4**) for assembly of the spring clip to adapter, if applicable.

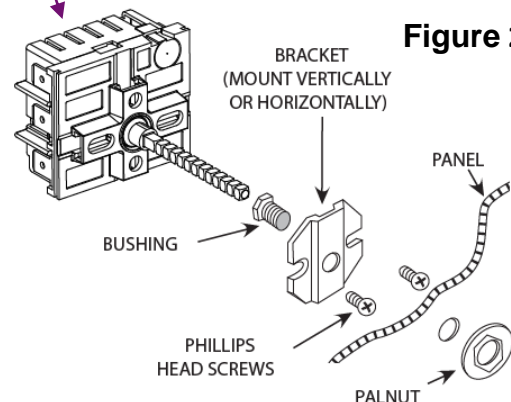


**Figure 1**



Slotted Vents

**Figure 2**



Step 8 – Measure distance from back of dial to the front of the panel and subtract 1/8". This becomes the measurement needed in the next step.

Step 9 – Remove switch. Use measurement from previous step and measuring from the end of the shaft, mark the shaft at the nearest break-off groove toward the end of the shaft to avoid breaking off too short.

**Note:** If the control is a push-to-turn and the shaft is broken off too short, it will not allow the dial to detent as needed for proper operation. The control will need to be replaced as replacement shafts are not available.

Step 10 – To break off the shaft: Use two pairs of pliers – one on each side of the marked groove (**Figure 5**). Hold pliers firmly and break shaft. DO NOT HOLD SWITCH BODY.

Step 11 – Remount switch, then proceed to wiring instructions.

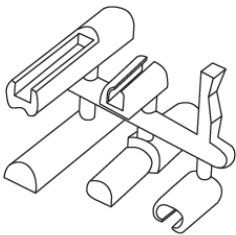


Figure 3

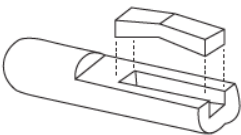


Figure 4

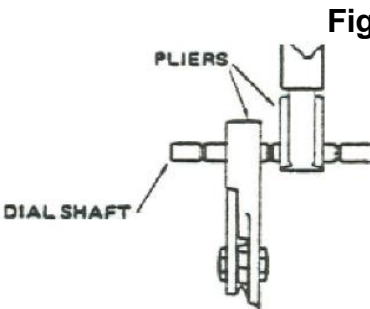
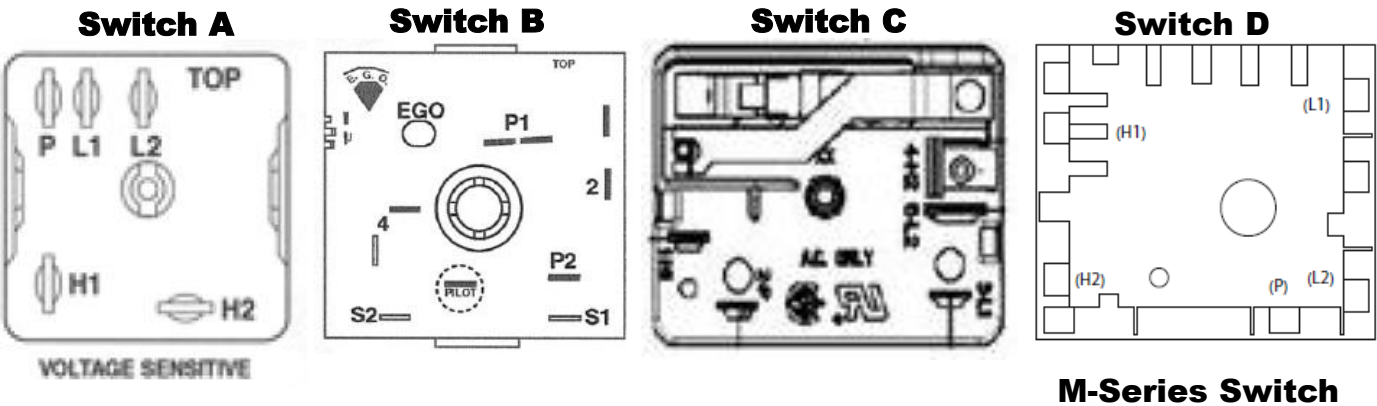


Figure 5

**Note:** If the Switch being replaced looks like **Switch D**, replace the switch with no wiring change.

**Note:** If the switch being replaced looks like **Switch A**, **Switch B** or **Switch C**, it will be replaced with the provided **Switch D**, following the wiring directions below.



Location on Switch A	Location on Switch B	Location on Switch C	Location on Switch D	Typical Wire Color
L2	P1	5/L2	L2	Red
L1	P2	3/L1	L1	Black
P	Pilot	2/P	P	Yellow
H1	4	1/H1	H1	Blue, Brown, Yellow or Orange
H2	2	4/H2	H2	Blue, Brown, Yellow or Orange