



# INSTALLATION DATA

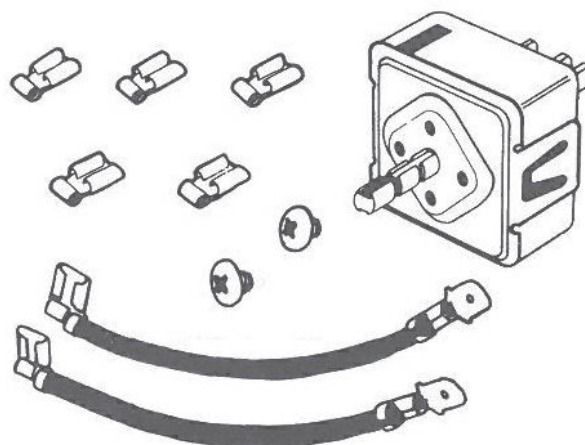
## 5500 SERIES

### WHIRLPOOL REPLACEMENTS

The Robertshaw® 5500 Whirlpool Infinite Switch Kits have been designed to replace Whirlpool surface element switches. By using different length shafts with varying break-off points, one Robertshaw® switch can replace several Whirlpool switches. (See Ordering Data for information.)

#### ORDERING DATA

ORDER NUMBER	SHAFT LENGTH	REPLACES
5500-287	1-3/8" 7/8" & 11/16" BREAK-OFFS	314139, 314140, 314141, 314143, 314144, INF-WP1
5500-288	1-1/8" 11/16" BREAK-OFFS	312012, 312014, 312017, 312019, INF-WP4
5500-289	1-1/4" 5/8" BREAK-OFFS	314142, 314145 240P-679, INF-WP2, K1311751, K1311753, FRIGIDAIRE 808829
5500-290	1" 1/2" BREAK-OFFS	312010, 312021 INF-WP3



#### CAUTION

THIS DEVICE SHOULD BE INSTALLED BY A QUALIFIED SERVICE TECHNICIAN WITH DUE REGARD FOR SAFETY AS IMPROPER INSTALLATION COULD RESULT IN A HAZARDOUS CONDITION.

#### ELECTRICAL RATING (resistive load)

15 amp at 240V AC

#### INSTALLATION INSTRUCTIONS

##### Disconnect power to range before servicing.

- Before removing the old control, turn it to the "Off" position, remove the knob from the inoperative control. Looking at the shaft, note the position of the clip spring on the dial shaft (figure 1).
- Before removing old control, tag each wire. (Wire tag included).
- Remove old control and compare its shaft length to that of the new replacement.
- Determine if the break-off feature is to be used. If yes, proceed to step 5. If not, skip step 5 and continue to step 6.
- First, remove the clip-spring from the shaft with a small screwdriver. Second, using two pairs of pliers, place one pair below and the other pair just above the break off groove. (See figure 2.) Do not hold the body of the control during this operation, as internal damage could result. Replace the clip-spring in the remaining groove.
- Using the original mounting holes, mount the replacement control with the clip-spring flat in the appropriate position, as noted in step 1. (The word "TOP" on the rear of the new control can be disregarded for those few applications which require the clip-spring to be left at "Off"). Be sure switch is in the "Off" position. If necessary, enlarge the original mounting holes to accommodate the replacement control.

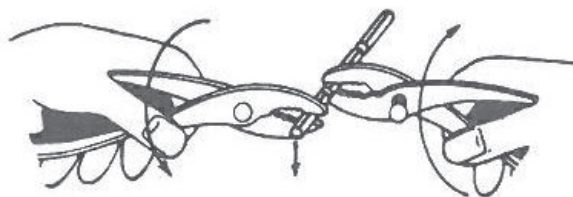


LEFT



UP

FIGURE 1



STEM FLAT DOWN

FIGURE 2

## INSTALLATION INSTRUCTIONS (Cont'd.)

7. Wiring (see figure 3):
  - a. When replacing Whirlpool-King Sealy surface element controls, terminal polarity on L1 and L2 is very important. Terminal L1 on the replacement control must use the same side of the 240V power supply that was previously connected to terminal 3 of the old switch. NOTE: Wire extensions are provided for those installations where the original wires are too short. Always insulate all exposed connections. Use proper crimping tools when quick connects are used.
  - b. Connect the line wires to L1 and L2 of the new control.
  - c. Proceed to step 8.
8. Connect the two load (element) wires to H1 and H2.  
(See appropriate figure.)
9. **WARNING:** Do not connect the pilot lamp at this time. Switch could be damaged and its warranty voided.

10. Restore electrical power to the range. Replace the dial and turn on the new control and one of the other switches.

**CAUTION:** Line voltage is present and electrical shock could result if proper precautions are not taken.

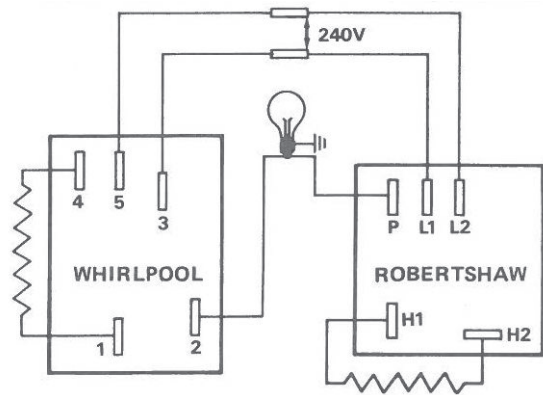
11. Using a volt meter, place the leads on L1 of the new switch and No. 2 of the other switch mentioned in step 5. If you read 220 volts, you must reverse the wires at L1 and L2 of the new switch before installing the pilot wire to the P terminal of the new control.

**CAUTION:** Be sure that all exposed terminals and connections on the rear of the new control have been properly insulated.

### WIRING CONVERSION CHART

OLD TERMINAL	WIRED TO 5500 TERMINAL
No. 1 (to the element)	H1 or H2
No. 2 (Pilot)	P
No. 3	L1
No. 4 (to the element)	H1 or H2
No. 5	L2

FIGURE 3



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