

Robertshaw to Honeywell 24-Volt Gas Valve Conversion Kits 826-1596, 1597, 1643 & 1644

Gas Valves			
Kit No.	Description	Part No.	Replaces
826-1596	Honeywell, Nat, ½"	807-3294	Robertshaw 807-0428 (½" valve)
826-1597	Honeywell, Pro, ½"	807-3295	Robertshaw 807-0757 (½" valve)
826-1643	Honeywell, Nat, ¾"	807-3294	Robertshaw 807-0672 (¾" valve)
826-1644	Honeywell, Pro, ¾"	807-3295	Robertshaw 807-1500 (¾" valve)

Kits 826-1596 and 826-1597 are designed to replace older Robertshaw valves, which are no longer available, with equivalent Honeywell valves. These kits are used in 45 and 47-series fryers with ½" gas valves, among other applications. Kits 826-1643 and 826-1644 are applicable to CFE-series fryers with ¾" gas valves. Each kit contains the equivalent Honeywell valve and the common parts listed in the tables below.

Parts Common to All Kits		
Quantity	Part No.	Description
4	807-2073	Push-on female spade terminal
1	807-0015	Line splice
1	807-0037	Ground terminal
1	810-1873	Thermopile
1	810-0705	Pilot supply tube
1	819-5767	Instructions

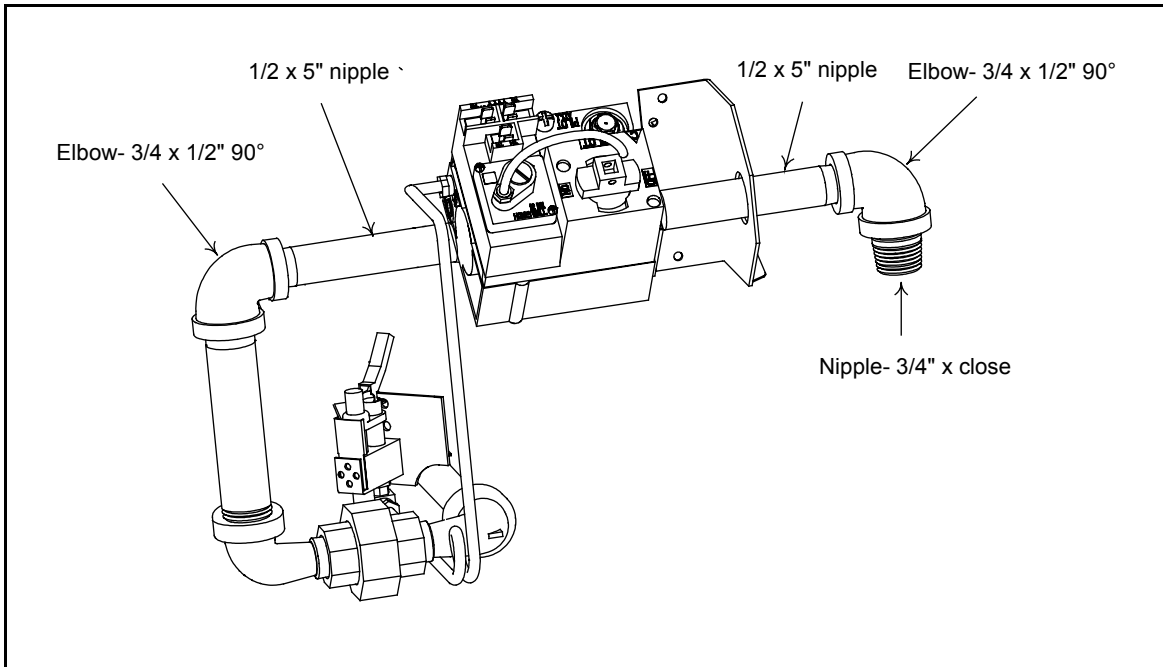
Parts Common to Kits Replacing ¾" Gas Valves ONLY		
Quantity	Part No.	Description
2	813-0281	½ x 5" nipple
2	813-0068	¾" x ½" elbow
1	813-0109	½" x close nipple

Use the following procedure to replace the valve:

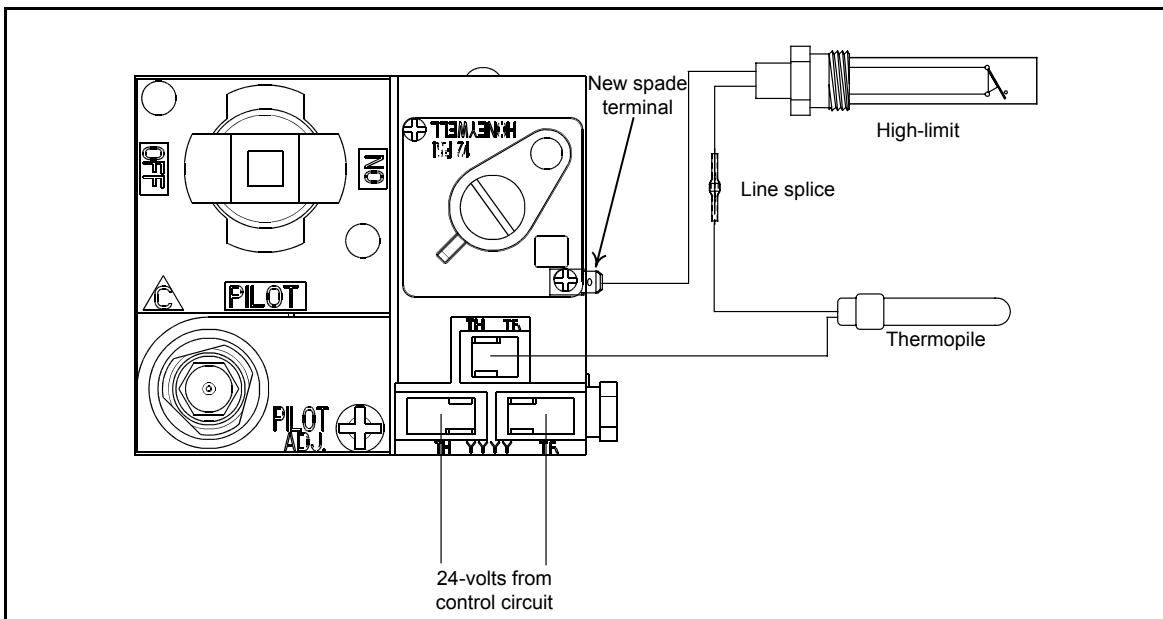
1. Disconnect fryer from the gas and electrical supplies.
2. Disconnect pilot generator and control circuit wiring from the valve.
3. Disconnect the pilot gas tube from the valve. Remove tube from pilot assembly and replace with one included in kit.
4. Disconnect the valve from the gas manifold and burner assembly. **If retrofitting a "CFE" fryer with a ¾" gas valve, install the following components:**
 - ½" x 5" nipple (2—included in kit)
 - ¾" x ½" elbow (2—included in kit)
 - ¾" x close nipple (1—included in kit)

Install the above components prior to installing new gas valve (see illustration on page 2 for piping component locations).
5. Remove the existing thermopile and replace with provided thermopile.

6. Crimp and solder new termination on high-limit using provided terminals.
7. Install new gas valve.
8. Install male spade on regulator plate of gas valve.
9. Connect ground line from high-limit to new male spade.
10. Wire new valve as shown in the wiring diagram below.



Piping component location for "CFE" fryers (with 3/4" gas valves).



Wiring diagram and spade terminal location (all kits).