

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 will contain the equivalent Honeywell valve and the common parts listed in the tables below.

| Parts Common to All Kits | | | Parts Common to Kits Replacing ¾" Gas Valves ONLY | | |
|--------------------------|----------|-------------------------------|---|----------|-------------------|
| Quantity | Part No. | Description | Quantity | Part No. | Description |
| 4 | 807-2073 | Push on female spade terminal | 2 | 813-0281 | ½ x 5" nipple |
| 1 | 807-0015 | Line splice | 2 | 813-0068 | ¾" x ½" elbow |
| 1 | 807-0037 | Ground terminal | 1 | 813-0109 | ½" x close nipple |
| 1 | 810-1873 | Thermopile | | | |
| 1 | 810-0705 | Pilot supply tube | | | |
| 1 | 819-5767 | Instructions | | | |

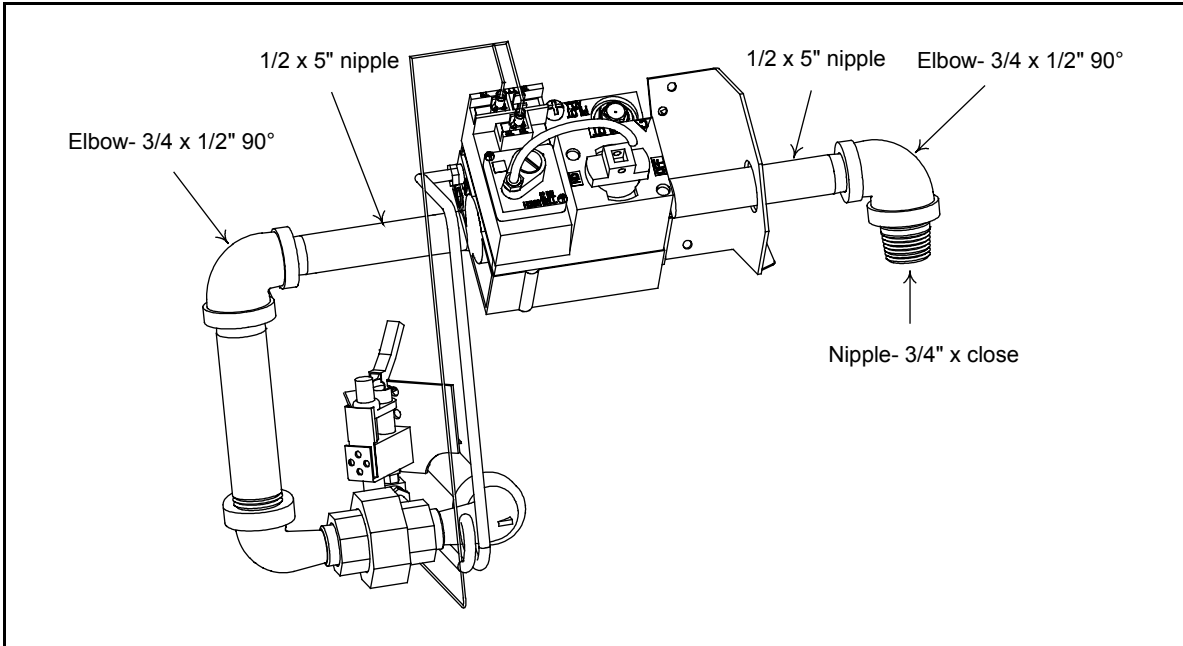
Use the following procedure to replace the valve:

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)

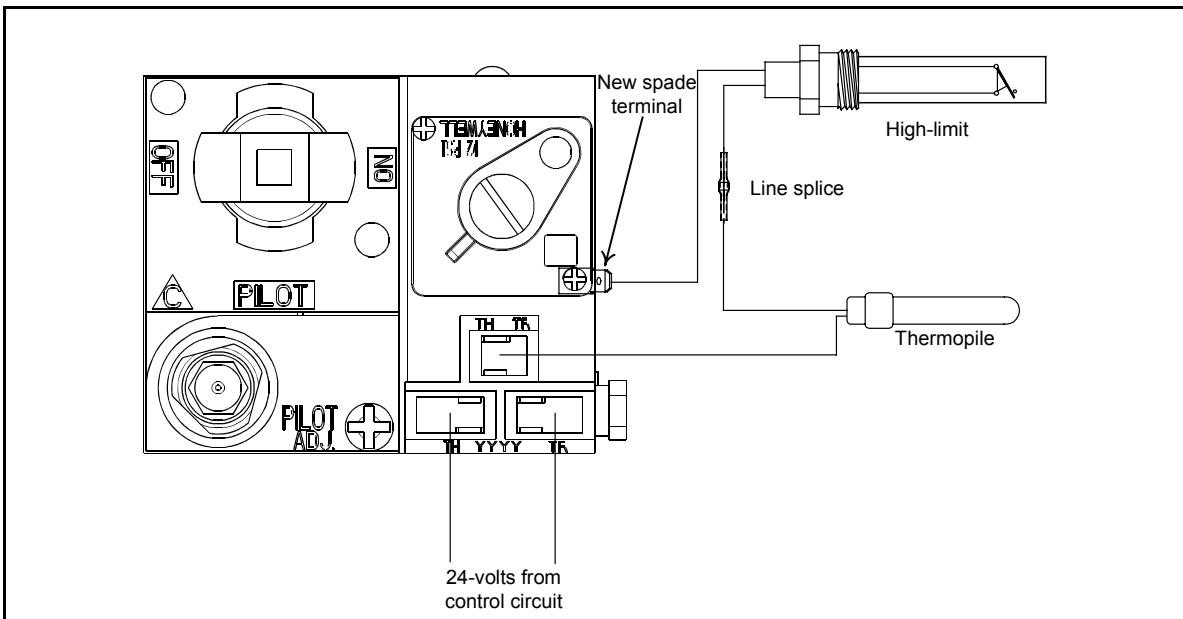
Install the above components prior to installing new gas valve (see illustration on page 2 for piping component locations).

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).