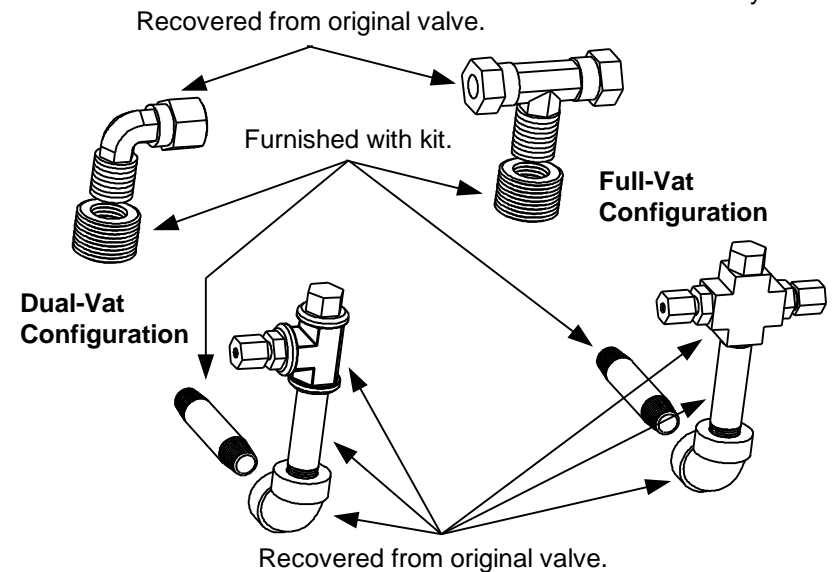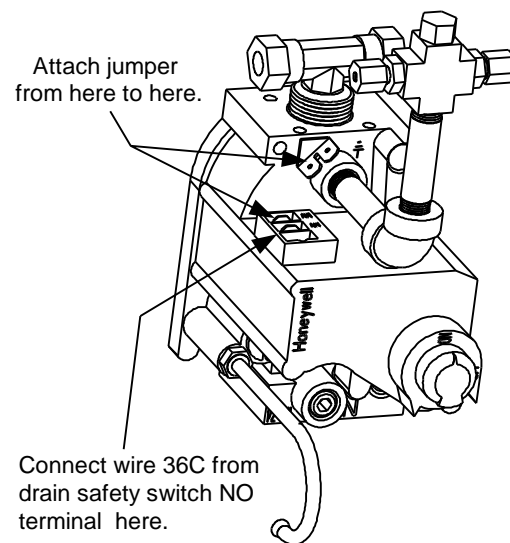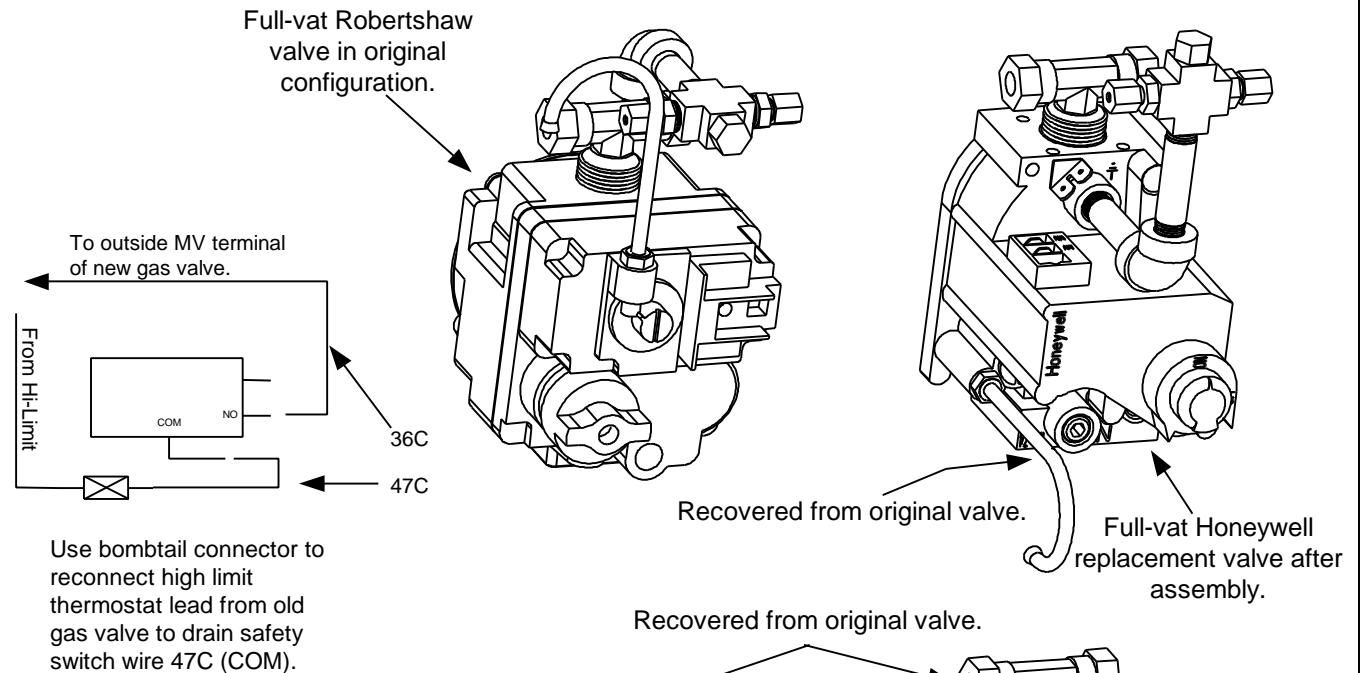# INSTALLATION INSTRUCTIONS
GAS VALVE CONVERSION KITS 826-1120 (NAT) & 826-1121 (PRO)

NOTE: These kits replace Robertshaw gas valves, which are no longer available.

1. Disconnect the fryer from the gas and electrical power supplies.

2. Disconnect the gas line(s) and enrichment tube(s) from the valve.

3. Remove the gas valve from the gas manifold. Recover the fittings indicated in the illustration at right from the valve.

4. Remove the rigid gas lines from the fryer and install the replacement flexible gas lines.

5. Using the components furnished with the kit and the parts recovered from the original valve, assemble the replacement valve and install it on the gas manifold.

6. Connect the enrichment tube(s) and gas line(s) to the new valve.

7. Cut the ring terminals from the gas valve wires and replace them with the push on terminals furnished with the kit. Connect the wires to the new valve.

8. Turn on the gas supply and check for leaks using a solution of soapy water.

9. If there are no leaks, reconnect the fryer to the electrical power supply. Adjust the gas pressure as necessary, per procedures on the reverse of this sheet.

Full-vat Robertshaw valve in original configuration.

To outside MV terminal of new gas valve.

From Hi-Limit

COM   NO

36C

47C

Use bombtail connector to reconnect high limit thermostat lead from old gas valve to drain safety switch wire 47C (COM).

Recovered from original valve.

Full-vat Honeywell replacement valve after assembly.

Recovered from original valve.

Furnished with kit.

Full-Vat Configuration

Attach jumper from here to here.

Dual-Vat Configuration

Connect wire 36C from drain safety switch NO terminal here.

Recovered from original valve.

NOTE: USE GASLINE THREAD SEALER ON ALL THREADED CONNECTIONS!

819-5725 09/00

ADJUSTING THE GAS PRESSURE

1. Turn the gas valve knob to the OFF position.

2. Remove the pressure tap plug.

3. Screw the fitting for a gas pressure measuring device into the pressure tap hole.

4. Place the gas valve knob in the ON position, then turn the fryer on. When the burner lights and continues to burn, note the gas pressure and compare it to the pressure listed on the fryer rating plate.

5. If necessary, adjust the burner gas pressure by removing the cap from the gas valve regulator and turning the adjustment screw until the indicated pressure is equal to the pressure listed on the fryer rating plate. Replace the regulator cap.

6. Turn the fryer off and place the gas valve knob in the OFF position.

7. Remove the fitting from the pressure tap hole and reinstall the pressure tap plug.

Pressure Tap Plug

Gas Valve Knob
(NOTE: Valve is shown in ON position.)

Honeywell

Gas Pressure Regulator Cap
(remove to access adjustment screw)