

# Tube Heater Parts Instruction Sheet

## Replacing 36E Valve with VR Series Valve

### Valves Affected:

TP-79, TP-107, TP-107P, TP-209, TP-209P

### Models Affected

DTH-3, DTHS-3, DX,  
DX2, DES, XTS, CX, LS,  
AG1, RH, DBS

### WARNING



The following replacement **MUST** be performed by a qualified service person. Improper installation, adjustment, service or maintenance can cause property damage, injury or death.

### Instructions

- 1 Open electrical circuit to heater and shut off gas supply to heater.
- 2 Remove the control box cover.
- 3 Group the wires going to 1(M) and 3(P) (excluding brown jumper) with a wire tie (see Figure 1).
- 4 With a second wire tie, group the wires going to 2(C) (see Figure 1).
- 5 Remove the faulty gas valve assembly.
- 6 Install the new valve assembly.
- 7 Rewire the valve as follows:
  - Connect hot wires from 1(M) and 3(P) to the black wire on the new valve with a wire nut.
  - Connect neutral wires from 2(C) to the white wire on the new valve with a wire nut (see Figure 2).
- 8 Restore gas and electrical supply to the heater. Check to make sure all gas connections are tight and that there are no leaks.
- 9 Reinstall control box cover.

Figure 1 • Remove Faulty Valve

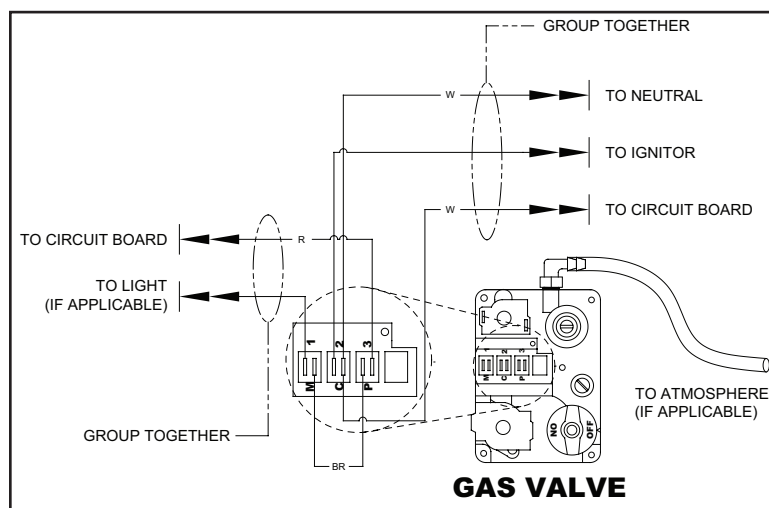


Figure 2 • Install Replacement Valve

