



SERVICE PROCEDURE RG-V  
Gas Valve  
Testing and Replacement (White Rodgers/Robertshaw)

**ECO (Energy Cut Off) TESTING**

- Step 1. Disconnect thermocouple from gas valve.
- Step 2. Using a multimeter capable of measuring Ohms (or continuity), attach one lead (alligator clip) to the pilot tube. Insert the other lead (probe) fully into the magnet opening. Be sure the probe makes contact only at the top center of the magnet opening. Do not allow the probe to make contact with the threaded sides of the opening.
- Step 3. If continuity is indicated, the ECO is OK. If continuity is not indicated, the ECO has opened and the gas valve must be replaced.



**COMBINATION THERMOSTAT/GAS VALVE REPLACEMENT**

- Step 1. Rotate knob of the gas valve to the “OFF” position.
- Step 2. Turn off gas supply to water heater.
- Step 3. Disconnect gas supply line from gas valve.
- Step 4. Turn off water supply and drain water heater completely.
- Step 5. Remove outer jacket burner access door.
- Step 6. Right side inner door removal.

For White Rodgers Control, depress knob slightly and rotate clockwise to the “OFF” position.



For Robertshaw Control, rotate knob clockwise to the “OFF” position.



- a) Disconnect resettable thermal switch wire leads (leading from gas valve) and remove wire tie from feedline.
- b) Remove (2) hex drive screws from right side inner door.
- c) Remove (2) hex drive screws from flange section of inner door.
- d) Remove right side inner door and set aside. Be careful not to damage gasket material on inner door.

