

APPLIANCE MAINTENANCE

Removing Pilot/Thermocouple From Main Burner Assembly

Attention: The thermocouple CANNOT be replaced as an individual item. You must order a new pilot when replacing thermocouple.

1. Turn OFF gas supply to the heater.
2. Turn OFF electrical supply to the heater if optional blower is installed in heater.
3. Remove lower louver from casing assembly (2 screws).
4. Remove reflector from casing assembly (2 screws).
5. Disconnect pilot tubing from pilot (see Figure 18, Page 15). Grasp nut A with a wrench when removing nut B with a second wrench.
6. Remove pilot from pilot bracket (2 screws).
7. Remove thermocouple lead from gas valve.
8. As parts are being replaced in reverse order, check for gas leaks at all gas connections before lower louver is replaced onto casing assembly.

Removing Main Burner Orifice(s) From Main Burner Assembly

1. Turn OFF gas supply to the heater.
2. Turn OFF electrical supply to the heater if optional blower is installed in heater.
3. Remove lower louver from casing assembly (2 screws).
4. Remove reflector from casing assembly (2 screws).
5. Remove pilot bracket from main burner assembly (2 screws).
6. Pivot pilot bracket with attached pilot away from main burner assembly (do not damage pilot tubing).
7. Disconnect supply tubing from orifice holder(s).
8. Remove orifice holder from venturi of main burner assembly (1 screw for each orifice holder).
9. Remove main burner orifice from orifice holder. Attention: The number stamped on the main burner orifice is a millimeter diameter.
10. As parts are being replaced in reverse order, check for gas leaks at all gas connections before lower louver is replaced onto casing assembly.

Removing Manual Gas Control From Casing Assembly

1. Turn OFF gas supply to the heater.
2. Turn OFF electrical supply to the heater if optional blower is installed in heater.
3. Remove lower louver from casing assembly (2 screws).
4. Remove reflector from casing assembly (2 screws).
5. Disconnect inlet supply tubing, outlet supply tubing, pilot supply tubing and thermocouple lead from manual gas control.
6. If heater is attached to wall, disconnect gas supply line from inlet regulator.
7. Remove heater from wall.
8. Remove cotter pin from manual gas control rod.
9. Remove manual gas control bracket from casing assembly (3 screws to be removed are located on casing assembly back).
10. Loosen nut that secures manual gas control to bracket. Remove manual gas control from bracket.
11. As parts are being replaced in reverse order, check for gas leaks at all gas connections before reflector and lower louver are replaced onto casing assembly.

Removing Main Burner From Casing Assembly

1. Turn OFF gas supply to the heater.
2. Turn OFF electrical supply to the heater if optional blower is installed in heater.
3. Remove lower louver from casing assembly (2 screws).
4. Remove reflector from casing assembly (2 screws).
5. Disconnect supply tubing from orifice holder(s).
6. Remove pilot bracket from main burner assembly (2 screws).
7. Remove main burner assembly from casing assembly (4 screws).
8. Remove orifice shield from main burner assembly. Attach orifice shield to new main burner assembly.
9. As parts are being replaced in reverse order, check for gas leaks at all gas connections before lower louver is replaced onto casing assembly.

Piezo Pilot Ignitor Instructions

Depressing the ignitor button completely causes a spark to occur at the pilot.

To light the pilot, it is important that the electrode be 1/8" (3mm) from the pilot. The spark must occur at the point the pilot flame hits the thermocouple.

On a new installation with air in the gas line, it is suggested that a match be used. The match will light the pilot faster than the piezo under this condition.