

# Technical Data Sheet

## On/Off/Thermostat Retrofit Kit

### Sterling 8521 Serial #16681 and Below

### Sterling 8531 Serial # 005874 and Below

#### *Assembly #95-55900*

**Date:** 12/31/2002

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**ASSEMBLY CONTENTS:**

Switch Assembly  
Metal Façade  
Female Wire Connectors (2)

**TOOLS REQUIRED:**

Wire Stripper/Crimper  
Stubby Phillips Screwdriver  
Straight Blade Screwdriver

**BEFORE YOU BEGIN:** If the stove has been installed, turn off the gas supply to the stove. If the stove is equipped with a blower, unplug it.

**PROCEDURE:**

1. Locate the two valve extensions that extend through the face of the façade (under the front of the stove). Remove them by pulling them straight out.
2. If equipped with a blower, remove the control knob.
3. Loosen the two Phillips screws that hold the façade to the stove. Slide the façade back and take it off the stove.
4. Disconnect the thermostat wires from the valve. Cut the exposed wire off the end of the thermostat wires then strip approximately  $\frac{1}{4}$ " of the wire casing to expose new wire ends. Place the two female wire connectors onto the exposed end of the thermostat wires and crimp them onto the wires.
5. Feed the wires from the switch assembly through the rectangular hole in the new façade, making sure the yellow wire is placed in the upper position.

6. Attach the wires as indicated in the appropriate illustration. Yellow switch connects to one t-stat wire; black switch wire to valve (tp,th) terminal; violet switch wire to valve (th) terminal; and the other t-stat wire to valve (th) terminal.
7. Attach the new façade to the stove. Before tightening the screws, make sure the wires are neither pinched nor in contact with the firebox. Secure the façade by tightening the Phipps screws. Replace the valve extensions and blower knob (if equipped with a blower).
8. Turn the gas back on and plug the blower back into the outlet (if equipped with a blower).

**Operation:** With the switch in the on position, the burner will remain on. With the switch in the t-stat position, the burner will cycle on and off to satisfy the thermostat setting. In the off setting, the burner will remain off. If the stove operates differently, check the connections and wiring diagram.

## Wiring Diagram – Sterling B-Vent