



**Converting the Sterling from Natural Gas to Liquid Propane (L.P.)
Sterling B-Vent Model 8501 Electronic
Kit #95-56901**

WARNING: Servicing of gas controls, appliances and systems must be performed by qualified service personnel only.

- 1 Turn off gas and electricity to appliance.
- 2 Open front door. Carefully remove logs after making a mental note about the large and small log placement.
- 3) Remove burner tubes by removing two 3/8" nuts on the left end of the tubes and lifting out tubes.
- 4 Disconnect pilot supply tube at pilot assembly, remove pilot orifice, and replace with LP orifice (silver colored, with a red dot) supplied with conversion kit. Reconnect pilot supply tube.
- 5 Remove the two main burner tube orifices and replace with the two brass LP orifices supplied with conversion kit. Reinstall tubes using the two 3/8" nuts.
- 6 Remove slotted cap (A), adjusting screw (B), and Natural gas spring (C), from the gas control valve located under the firebox by either:
 6. 0. 1 Reaching through the access hole directly above slotted cap (A) in the firebox bottom or,
 - 6.0.2 Reaching above the valve through the valve access door using a common apex arid 1/4" wrench (see diagram).
- 7 Install new, black L.P. spring.
- 8 Install new, black adjusting screw (B).
- 9 Remove fitting (D) and attach manometer or pressure gauge at that outlet.
- 10 Turn gas and electricity on.
- 11 Raise room thermostat to call for heat.
- 12 with burner on, adjust screw (B) to supply LP. gas pressure at 10.5" W. C., maximum. Note that in cases of excessive flame height, it may be necessary to reduce the line pressure.
- 13 If adjusting screw (B) reaches its maximum depth (bottoms out) before recommended pressure setting is reached, turn screw counter clockwise until pressure drops slightly (approximately .01" W.C.).



WARNING: DO NOT STRETCH OR ALTER SPRING

- 14 Turn of gas and electricity to appliance.
- 15 Remove manometer or pressure gauge and reinstall fitting (D).
- 16 Install new red slotted cap in place of (A).
- 17 Turn gas and electricity on. Turn on unit.
- 18 With burner operating, immediately check all fittings for leaks with soap solution. Bubbles indicate leaks that must be corrected.
- 19 Attach label to show that unit has been converted to L.P.
- 20 Set room thermostat to desired temperature.
- 21 The flames should be yellow tipped and rise into the upper area of the firebox, but not touch the top of firebox. Flame height and color may be controlled, to some degree by adjusting the air shutter on the right end of each burner. Opening the shutter makes the flames smaller and bluer. Closing the air shutter causes the flame height to grow and have a yellow appearance. To access these controls, do the following:
 - 21.1 Turn off gas and electricity to appliance.
 - 21.2 Open front door. Carefully remove logs after making a mental note about the large and small log placement.
 - 21.3 Loosen screw on the air shutter.
 - 21.4 Move the shutter to the left to open it or to the right to close the air shutter.
 - 21.5 Carefully replace the ceramic logs in the same location, putting the small log in the rear and the large log in the front (refer to the Sterling Owner's Manual for additional information if needed). Logs should not touch one another but should instead be spaced widely apart, with the rear log back as far as possible.
 - 21.6 Close the front door with the screw.
 - 21.7 Turn on gas and electricity to the appliance.
 - 21.8 Observe the flame height and adjust the air shutters accordingly. Repeat steps 22.1-22.7 until the flames are adjusted properly.
- 22 Flame height may also be adjusted by adjusting the gas pressure. This procedure was described in steps 9-12. Decreasing the pressure makes the flames smaller, while increasing the pressure causes the flames to be taller.

IMPORTANT: WHEN CONVERTING FROM NATURAL GAS TO LP GAS, THE FRONT BURNER TUBE AIR SHUTTER ADJUSTMENT MUST BE CHANGED FROM 1/16" to 1/4".

