



TECHNICAL DATA SHEET
Converting the Sterling 8501 Millivolt from Natural Gas to Liquid Propane (L.P.)
Sterling B-Vent Model 8501 Millivolt
Kit #95-56903

KIT CONTAINS:

2-#55 Burner Orifices
1-LP Pilot Orifice
2-Stainless Steel Burners Tubes
1-RB Regulator Replacement Kit #82979

TOOLS REQUIRED:

Slotted Screwdriver
1/2" Wrench
11/32" Wrench

WARNING: SERVICING OF GAS CONTROLS, APPLIANCES, SYSTEMS, AND LEAK TESTING MUST BE PERFORMED BY QUALIFIED SERVICE PERSONNEL ONLY.

1. Turn off gas to the appliance.
2. Using a slotted screwdriver, remove the screw and the decorative washer in the front door. Open the front door.
3. Carefully remove the logs. Make a note of the log placement for reinstallation.
4. Remove the existing burner tubes by removing the two 3/8" nuts on the left end of the tubes. This will allow you to lift the tubes above the threaded studs and remove. Caution: If nuts are frozen put a drop of penetrating oil on threads then remove nuts.
5. Remove the two main burner orifices (44's) using a 1/2" wrench and replace with the two brass LP orifices (55's) supplied in the conversion kit.
6. Adjust the shutters on the stainless steel replacement burners. Loosen the screw holding the shutter in place, slide the shutter so that there is a 1/4" to 3/8" gap. Retighten the screw.
7. Install the replacement tubes and tighten the 3/8" nuts.
8. Using a 1/2" wrench, disconnect pilot supply tube at the pilot assembly, remove the natural pilot orifice, and replace with LP orifice (silver colored with red dot) supplied with the conversion kit. Reconnect the pilot line.



9. Follow the instructions supplied with the Robert Shaw regulator kit. Note, kit #82979 is an LP replacement regulator for the 7000 series Robert Shaw valve.
10. After the regulator has been replaced and tested for leaks, the logs can be reinstalled. The smaller log should be positioned so that the flat surface is against the back panel of the firebox. The larger log positioned as far to the front of the log rack as possible. The maximum separation will prevent flame impingement and carbon build-up.
11. Put sticker on door that notes that the unit has been converted to LP.
12. Close the front door. Replace the decorative washer and screw.

IMPORTANT: BEFORE REUSING STOVE, ALL GAS FITTINGS MUST BE LEAK TESTED WITH A SUDSY LIQUID. THE LP REGULATOR MUST BE LEAK TESTED.