

Technical Data Sheet

Installation Of The Improved Pilot Bracket and Flexible Pilot Line

*For Sterling Direct Vent Model 8530 With Serial Numbers Below
WH004598 - Kit #95-57003*

Date: 11/5/2012

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KIT CONTENTS:

1 - 18" Flexible Pilot Line
1 - Standard Breakaway Ferrule nut
1 - Extended Breakaway Ferrule Nut
1 - Pilot Bracket

TOOLS REQUIRED:

Phillips Screwdriver
Straight Cut Metal Shears
3/8" Wrench or Nut Driver
Flat Screwdriver
Needle nose Pliers
7/16" Wrench
1/2" Wrench
Socket W/ 7/16" Deep Socket
500-Degree RTV Silicone
Leak Tester

NOTE: The primary reason for installation of these components is to prevent the existing, lighter pilot bracket from bending out of position, potentially causing delayed ignition. This may affect Sterling Direct Vent units with the U-burner tube with serial numbers lower than WH004598. This change has already been incorporated in all units with serial numbers higher than WH004598.

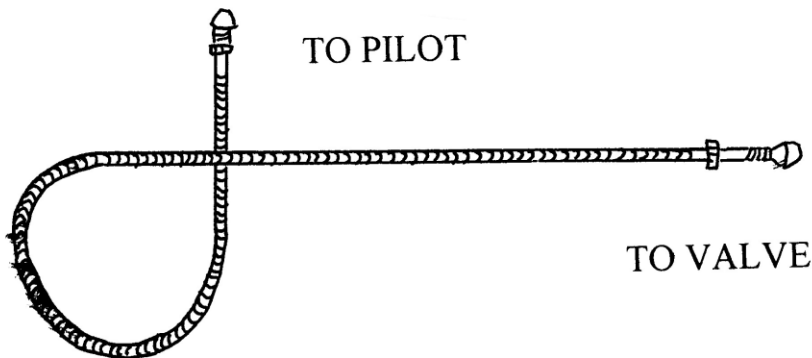
BEFORE YOU BEGIN: Make certain the gas supply to the stove has been turned off.

PROCEDURE:

- 1) Using a Phillips screwdriver, open the front door and remove the log set, ember screen, and burner tube. To remove the burner tube, first move it slightly to the left then straight up and out of the stove.
- 2) From underneath and behind the stove, locate the pilot line going into the valve. Using the straight cut metal cutters cut the pilot line as close to the valve as possible. NOTE: Do not cut the pilot line with a hacksaw as the filings may get into the valve causing a malfunction.
- 3) Using a 7/16" deep socket, remove the 1/4" breakaway ferrule nut from the valve.
- 4) Still from the back of the stove, locate and remove the 2 Phillips screws that hold the pilot bracket. They are located slightly higher and to the right of the valve.
- 5) Locate the pilot assembly inside the stove. The pilot bracket will be sealed to the stove with high temp silicone. Note the position of the pilot bracket. The new heavier bracket will be positioned in the same way. Pry the pilot bracket off the stove with a flat screwdriver. Turn the pilot assembly approximately 1/4 turn counterclockwise. Remove the pin from the base of the pilot assembly with the needle nose pliers.

IMPORTANT: Save the pin for reuse. Remove the 2 bolts that hold the pilot bracket to the pilot assembly with a 3/8" nut driver or wrench. Discard this bracket.

- 6) Separate the pilot assembly from the pilot tube. Pull the pilot tube into the stove so that it can be removed. Before discarding the pilot tube, remove the pilot orifice (hold the brass nut with a 7/8" wrench while turning the pilot orifice with the 1/2" wrench). Save the orifice for reuse.
- 7) Attach the new pilot bracket to the original pilot assembly by reusing the original screws. Apply a small amount of the high temp silicone to the back of the new pilot bracket. Reposition the bracket so that it lines up with the holes in the back of the stove and replace the 2 screws in the back of the stove that retain the bracket.
- 8) Place the new standard breakaway ferrule nut on one end of the flexible pilot tube. Turn the original pilot orifice into the ferrule and tighten with the 7/16" and 1/2" wrenches. Bend the flexible pilot tube as illustrated. Fit the pilot orifice into the pilot assembly and replace the retaining clip.
- 9) Feed the flexible pilot tube through the hole in the lower pan assembly. To make movement through this area easier, scrape away the high temp silicone that seals this hole. **IMPORTANT:** Remember to reseal with fresh high temp silicone once the repair is completed.
- 10) Place the extended breakaway ferrule nut on the loose end of the flexible tube. Bend the tube so that it passes over the valve and then bend the end so that the breakaway ferrule nut will turn into the valve. It may be necessary to pull the extra flex tube slightly into or out of the stove or make adjustments as you attempt to connect it to the valve. Tighten the nut with a 7/16" wrench.
- 12) Replace the burner tube. Make sure it fits onto the pilot orifice and sets both flush and level in the retaining brackets.
- 13) Replace the log set and ember screen. If necessary, refer to the Owner's Manual for proper positioning.
- 14) Close the door and tighten the retaining screw with a Phillips screwdriver.



flexible pilot tube