

RAYPAK SERVICE INSTRUCTIONS

PILOT BURNER REPLACEMENT

FOR POOL/SPA HEATER MODELS 53, 55, 105, 151, 155, GEMINI 181 -401,
GEMINI/SPA PAK 183-403, VERSA 185-405, RP2100 185-405, PR185A-405A
BOILERS 133, 183-403, 202-402, 182-402, 181-401

IMPORTANT NOTICE

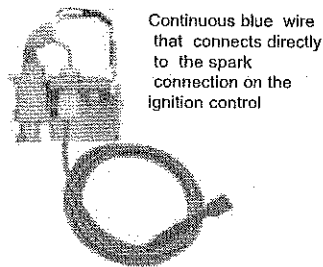
These instructions are intended for use by qualified personnel specifically trained and experienced in the installation of this type of heating equipment and related system components. Installation and service personnel are required to be licensed in some states. Persons not qualified shall not attempt to install this equipment nor attempt repairs according to these instructions.

DANGER - SHOCK HAZARD

Make sure electrical power to the heater is disconnected to avoid damage to components, potential serious personal injury or death. Make sure the gas to the heater has been shut off.

KIT INCLUDES:

- 1-Pilot burner assembly natural #601534
- 1-Propane orifice
- 2-Cable tie
- 1-Instructions #240483



Continuous blue wire
that connects directly
to the spark
connection on the
ignition control

INSTRUCTIONS:

Note: The RP2100 model is used for illustration purposes only. Refer to the manual for the specific instructions for the unit being serviced.

1. Turn the power to the heater "OFF".
2. **SHUT OFF** the gas supply to the heater.
3. Remove the door of the heater.
4. Disconnect the gas line going into the gas valve.
5. Remove the screws that mount the burner tray to the heater. See Fig. 1.
6. Remove the (2) screws that hold the gas valve bracket to the heater jacket. See Fig. 1.
Mark wire terminal locations for re-assembly later.

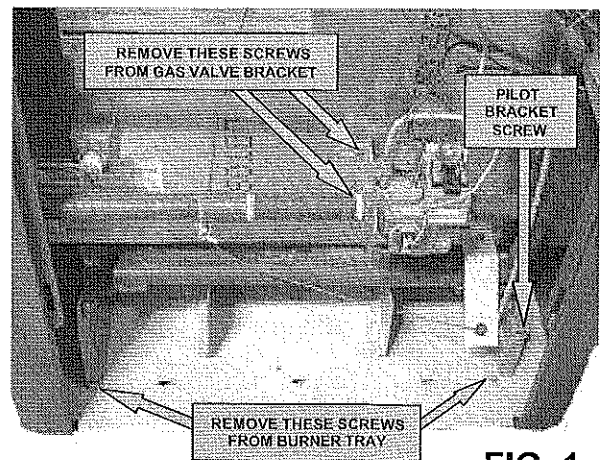


FIG. 1



7. Unplug the ignition wire from ignition control box.
8. Slide the burner tray out.
9. Disconnect the pilot tubing from the gas valve using a 7/16" wrench.
10. Remove the pilot shield (if present). See Fig. 2.
11. Remove the pilot bracket from the burner tray. See Fig. 2.
12. Remove pilot assembly from pilot bracket.

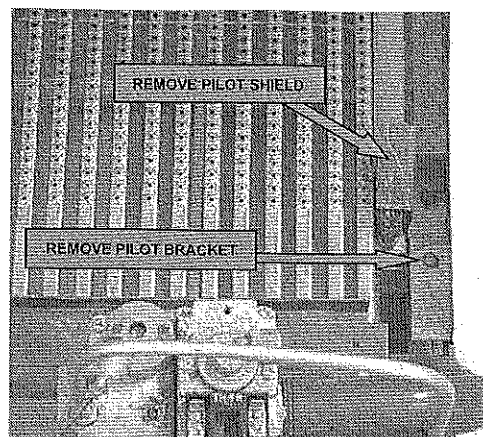


FIG. 2

13. Remove pilot tube from old pilot burner. See Fig. 3.

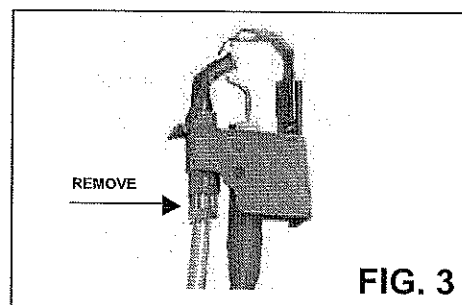


FIG. 3

14. Determine which is the proper pilot orifice to use. Check the rating plate on the unit and confirm whether it is burning propane or natural gas. The kit comes with both natural and propane pilot orifices. See Fig. 4.

Note: The pilot burner comes with the natural gas orifice already installed inside the pilot burner.

15. Reverse the instructions (steps 13-1) to re-install pilot burner assembly.

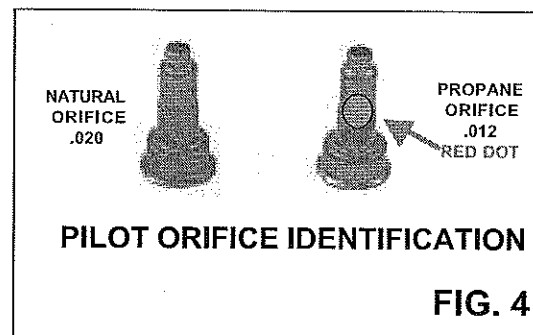


FIG. 4