

PARTS LIST

MILLIVOLT (SIT)

KEY #	PART #	DESCRIPTION #
1	PE 8204C PE 8404C	PILOT ASSEMBLY NATURAL GAS PILOT ASSEMBLY L.P.
2	PO 10-2121-12	FLEXIBLE SUPPLY LINE
3	PE 820638 PE 820636	(SIT) MILLIVOLT VALVE NATURAL GAS (SIT) MILLIVOLT VALVE L.P.
4	PE 916188	ON/OFF KNOB EXTENSION
5	PE 916189	HI/LO KNOB EXTENSION
6	PE RC211RB	AUTO/OFF/MANUAL
7	PE 124461	PIEZO STRIKER
8	POT6-06	6" MANIFOLD SUPPLY LINE
8A	POT6-12	12" MANIFOLD SUPPLY LINE
9	PO H- BURN001	18" H-BURNER
10	PO 64MVORF PO 54MVORF PO 54MVORF PO 44MVORF	L.P. FRONT ORIFICE L.P. REAR ORIFICE NAT. FRONT ORIFICE NAT. REAR ORIFICE
11	PO18DXLOG	18DX LOG SET

REPLACEMENT PARTS

PART NO.	DESCRIPTION	QTY.
PH 101612TEK	#10-16 x 1/2" Self tapping Screws (For Mounting Blower Assembly To Fire Box)	4
PESBR 086	Motor	1
OR _____		
PESBR 084		
PE 400130	Therm o disc	1
PE BC704	Rheostat	1
PE 400240	Power Cord	1
PE 400320	Strain Relief	1
PE RA911VB	ON/OFF Switch	1
PO18DXLOG	LOG SET	1

ACCESSORIES

Purchase these heater accessories from your local dealer. If they can not supply these accessories, call our Parts Department at 1-828-765-6144 for referral information. You can also write to the address listed on the back page of this manual.

RECEIVER AND HAND-HELD REMOTE CONTROL KIT PART# PO FDC-504

For remote-ready models. Allows the gas log heater to be turned on and off by using a hand-held remote control.

WALL THERMOSTAT PART# PE 400142

The desired comfort setting can be selected on the wall thermostat and the log heater will automatically cycle from pilot to the heat setting selected.

SERVICE HINTS

When Gas Pressure Is Too Low

- Pilot will not stay lit
- Burners will have delayed ignition
- Heater will not produce specified heat

When Gas Quality Is Bad

- Pilot will not stay lit
- Burners will produce flames and soot
- Heater will backfire when lit

You may feel your gas pressure is too low or gas quality is bad. If so, contact your local gas supplier.

REPLACEMENT PARTS

NOTE: Use only original replacement parts. This will protect your warranty coverage for parts replaced under warranty.

INSPECTING AND CLEANING MAINTENANCE

WARNING: Turn off heater and let cool before cleaning.

CAUTION: You must keep control areas, burner and circulating air passageways of heater clean. Inspect these areas of heater before each use. Have heater inspected yearly by a qualified service person. Heater may need more frequent cleaning due to excessive lint from carpeting, pet hair and bedding material, etc.

CLEANING BURNER INJECTOR HOLDER AND PILOT AIR INLET HOLE

The air shutter slots allow the proper amount of air to mix with the gas. This provides a clean burning flame. Keep these slots clear of dust, dirt, lint and pet hair. Clean these air inlet slots prior to each heating season. Blocked air slots will create soot. We recommend that you clean the unit every three months during operation and have heater inspected yearly by a qualified service person.

We also recommend that you keep the burner tube and pilot assembly clean and free of dust and dirt. To clean these parts we recommend using compressed air no greater than 30 PSI. Your local computer store, hardware store or home center may carry compressed air in a can. You can use a vacuum cleaner in the blow position. If using compressed air in a can, please follow the directions on can. If you don't follow directions on can, you could damage the pilot assembly.

1. Shut off unit, including pilot. Allow unit to cool for at least thirty minutes.
2. Inspect burner, pilot and slots in air shutter for dust and dirt.
3. Using Phillips head driver loosen set screw on air shutter and rotate shutter toward rear of unit. **NOTE:** Before rotating shutter mark the position of shutter so you can

move it back to the correct position after cleaning.

4. Opening the shutter as in step 3, allows you to inspect the orifice. After cleaning the area adjust air shutter to the original position.
5. Blow air through the slots and holes in the burner.
6. Blow air into the primary air holes on the injector holder.
7. In case any large clumps of dust have now been pushed into the burner repeat steps 3 and 4.

Clean the pilot assembly also. A yellow tip on the pilot flame indicates dust and dirt in the pilot assembly. There is a small pilot air inlet hole about two inches from where the pilot flame comes out of the pilot assembly (See Figure 22). With the unit off, lightly blow air through the air inlet hole. You may blow through a drinking straw if compressed air is not available.

LOGS

- If you remove logs for cleaning, refer to *Installing Gas Logs*. (Page 13).

MAIN BURNER

Periodically inspect all burner flame ports with the heater running. All slotted burner flame ports should be open with flame present. Some burner flame ports may become blocked by debris or rust, with no flame present. If so, turn off heater and let cool. Either remove blockage or replace burner. Blocked burner flame holes will create soot.

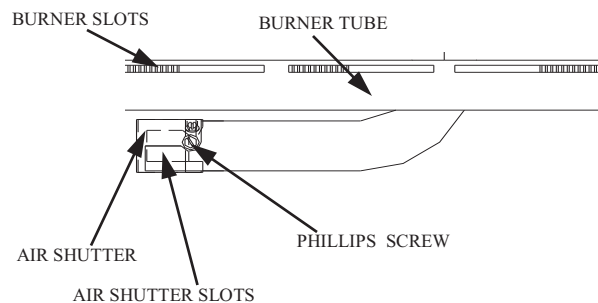


FIGURE 21 - BURNER/ AIR SHUTTER

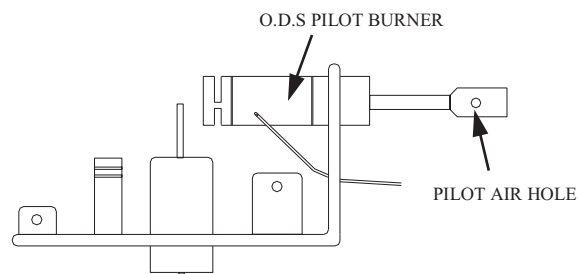
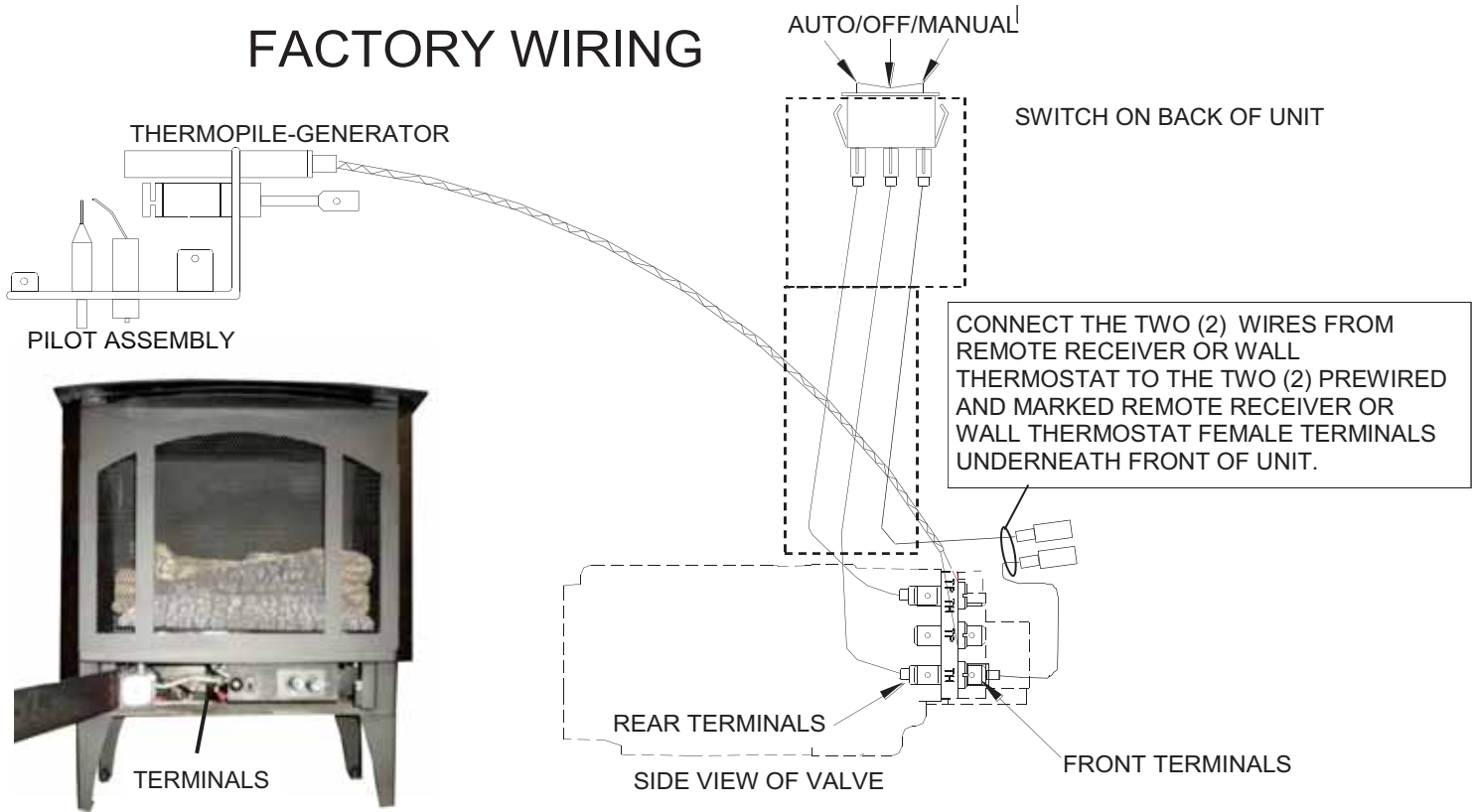


FIGURE 22 - PILOT ASSEMBLY

MAINTENANCE

WIRING DIAGRAM AND REMOTE OR WALL THERMOSTAT INSTALLATION

FACTORY WIRING



REMOVING FIREBOX

1. Unplug power cord. Open the stove back cover using 5/16" hex driver. (See Figure 23)
2. Mark wires and disconnect from thermostat. (See Figure 23)
3. Open front door, look in bottom burner base (See Figure 24) remove two(2) 5/16" hex screws holding firebox to unit and remove hex screws. Now firebox can be removed from unit.
4. Reverse steps 1-3 to Reinstall firebox and back cover.

FIGURE 23

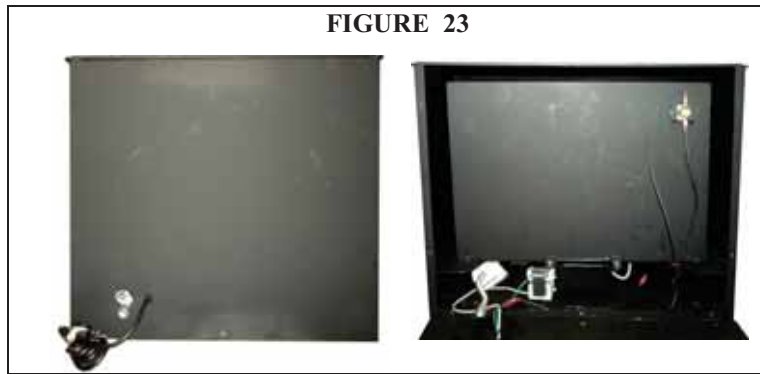
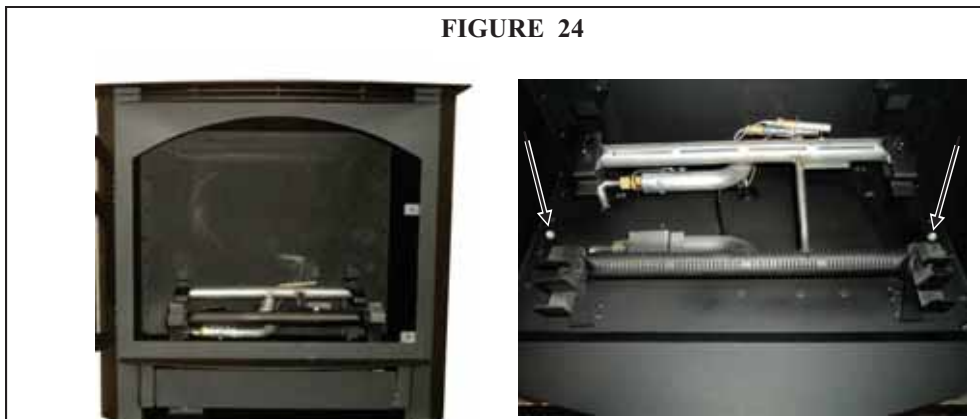


FIGURE 24



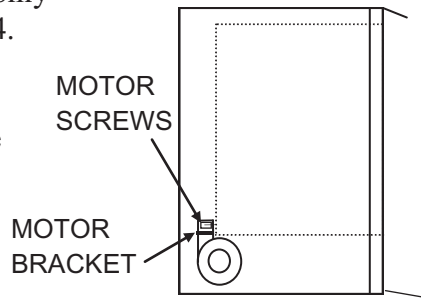
MAINTENANCE

MOTOR REPLACEMENT

1. Unplug power cord.
2. Open/Remove the stove back cover using 5/16" hex driver to remove 7 screws.
3. Use a 5/16" hex driver to loosen and remove the (2)-two screws holding motor with bracket from motor support. (See Figure 25).
4. Mark wires and disconnect motor from unit.
5. When replacing motor use only Part # PESBR086 or PESBR084.
7. Reconnect all marked wires to motor. (See Page 26 Wiring)
8. Reinstall motor by installing the two screws through motor with bracket onto motor support and tighten screws using 5/16" hex driver.



Figure 25



THERMOSTAT REPLACEMENT

1. Thermostat is located at top back of unit under back cover. (See Figure 26).
2. Open/Remove the stove back cover using 5/16" hex driver to remove 7 screws.
3. Thermostat is attached to the rear shield. Remove the two(2) 8-18X1/2" self drilling screws and remove thermostat.
4. Disconnect (2) two wires from thermostat electrical post.
4. When replacing thermostat use only Part # PE400130.
5. To reinstall thermostat, reconnect the (2) two wires to electrical post of thermostat.
6. Reinstall thermostat into thermostat hole and replace screws. (See Page 26 Wiring)
7. Now replace back cover.



Figure 26

THERMOSTAT



RHEOSTAT REPLACEMENT

1. If rheostat needs to be replaced, open access door at front bottom facing unit, rheostat is bottom right of compartment. Mark wires and disconnect rheostat from unit. (See Figure 27).
2. Remove knob from rheostat by gently pulling it. Remove lock nut from stem of rheostat and remove from rheostat holder.
3. When replacing rheostat use only Part # PEBC204
4. Reinstall rheostat into rheostat holder. Reinstall lock nut onto stem of rheostat and tighten nut.
5. Replace knob onto stem of rheostat.
6. Reconnect all marked wires to rheostat. (See Page 26 Wiring)

Figure 27



CLEANING BOTTOM COMPARTMENT

1. Open access door at front bottom facing unit to access bottom compartment.
2. Check to see if there are no loose fitting.
3. Using vacuum cleaner, remove all dust, fuzz, dirt and foreign materials from bottom of stove. Also vacuum the fan blade on motor. They must be kept clean to ensure peak performance of motor.

MAINTENANCE

WIRING DIAGRAM

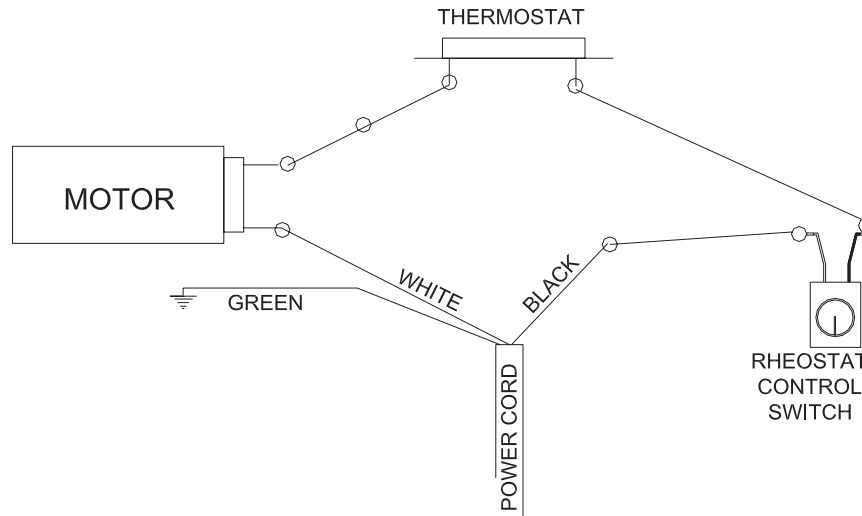


Figure 28

WARNING: CHILDREN AND ADULTS SHOULD BE ALERTED TO HAZARDS OF HIGH SURFACE TEMPERATURES AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION. YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN SAME ROOM WITH APPLIANCE

WARNING: DO NOT PLACE CLOTHING OR OTHER FLAMMABLE MATERIAL ON OR NEAR APPLIANCE.

NOTE: If any of the original wire as supplied with the gas appliance must be replaced, it must be replaced with a wire of at least a 105° C. temperature rating.

NOTE: Installation and repair should be done by a qualified service person. This heater should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments and circulating air passageways of heater be kept clean.

CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

Verify proper operation after servicing.