



# allen roth SPK-200L Vented Gas Log Conversion Kit User Manual

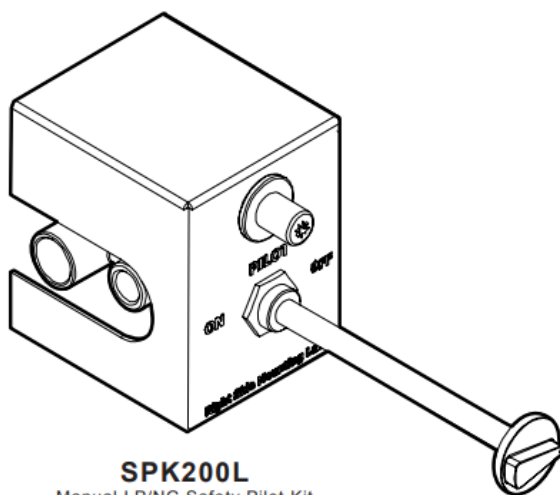
[Home](#) » [Allen+Roth](#) » allen roth SPK-200L Vented Gas Log Conversion Kit User Manual 

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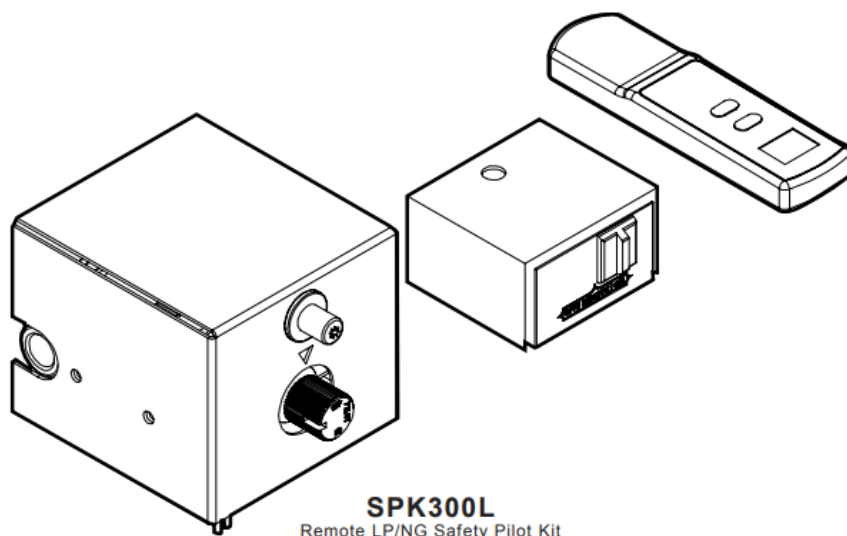
ITEM #4976285 / 4976276  
SAFETY PILOT CONVERSION KIT &  
SAFETY PILOT CONVERSION KIT WITH REMOTE  
Model #SPK-200L / SPK-300L  
User Manual

**FOR USE WITH MODELS**

|  |  |
|--|--|
| VL-W18DL, VL-WO18D,<br>VL-W24DL, VL-WO24D,<br>VL-WO30D, VL-AA18D,<br>VL-AA24D, VL-AA30D, | VL-NO18D, VL-NO24D,<br>VL-NO30D, VL-SA18D,<br>VL-SA24D, VL-SA30D,<br>VL-CA18D, VL-CA24D,<br>VL-CA30D |
|--|--|



**SPK200L**  
Manual LP/NG Safety Pilot Kit



**SPK300L**  
Remote LP/NG Safety Pilot Kit

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## SPK-200L Vented Gas Log Conversion Kit

**INSTALLER:** Leave this manual with the appliance.

**CONSUMER:** Retain this manual for future reference.

**WARNING:**

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction.

The information in these instructions must be followed to minimize the risk of fire or explosion or to prevent property damage, person injury or death. The qualified service agency performing this work assumes responsibility for the proper conversion of this appliance with the kit.

**SPECIFICATIONS**

The charts indicate technical information regarding the installation of your gas log set.

Please make sure that all of the specifications shown are applicable before installation is attempted.

**SPECIFICATIONS**

**Note:** This vented appliance must be installed only in a solid-fuel burning fireplace with a working flue and constructed of noncombustible material.

Solid fuels shall not be burned in a fireplace where a decorative appliance is installed.

**High Altitude Locations:**

For high altitude installations in the United States, refer to the American Gas Association guidelines for the gas designed appliance derating method. For elevations above 2,000 ft (610 m), input ratings are to be reduced by 4% for each 1,000 ft (305 m) above sea level.

**After Safety Pilot Kit Installation**

|                              |  |        |  |        |  |       |
|------------------------------|--|--------|--|--------|--|-------|
| GAS LOG SET MODE<br>L        | VL-WO18D, VL-AA18D<br>VL-NO18D, VL-SA18D<br>VL-CA18D, VL-W18DL |        | VL-WO24D, VL-AA24D<br>VL-NO24D, VL-SA24D<br>VL-CA24D, VL-W24DL |        | VL-WO30D, VL-AA30D<br>VL-NO30D, VL-SA30D<br>VL-CA30D |       |
| INPUT RATING (BTU/<br>HR)    | 35,000   | 35,000 | 45,000   | 45,000 |  |       |
| GAS TYPE                     | LP   | NG     | LP   | NG     | LP   | NG    |
| IGNITION TYPE                | PIEZO  | PIEZO  | PIEZO  | PIEZO  | PIEZO  | PIEZO |
| MAX. INLET PRESSU<br>RE (WC) | 14"  | 10"    | 14"  | 10"    | 14"  | 10"   |
| MIN. INLET PRESSU<br>RE (WC) | 11"  | 7"     | 11"  | 7"     | 11"  | 7"    |
| NORMAL PRESSURE<br>(WC)      | 10"  | 5"     | 10"  | 5"     | 10"  | 5"    |



## SAFETY INFORMATION



### CAUTION – FOR YOUR SAFETY



**WARNING:** IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
  - Installation and service must be performed by a qualified installer, service agency or the gas supplier.

**IMPORTANT:** Read this owner's manual carefully and completely before trying to assemble, operate, or service

this log set. Improper use of this log set can cause serious injury or death from burns, fire, explosion, electrical shock, and carbon monoxide poisoning.

Only a qualified installer, service agent, or local gas supplier may install and service this product.



**WARNING:** Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.

**WARNING:** The log set is shipped from the factory adjusted for natural gas use only. Liquid Propane can only be used after installation of Conversion Safety Pilot Kit.

**CARBON MONOXIDE POISONING:** Early signs of carbon monoxide poisoning resemble the flu with headaches, dizziness, or nausea. If you have these signs, the log set may not be working properly.

Get fresh air immediately! Have log set serviced. Some people are more affected by carbon monoxide than others. These include pregnant women, people with heart or lung disease, people who are anemic, those under the influence of alcohol, and those living in high altitudes.

**NATURAL AND PROPANE/LP GAS:** Natural and Propane/LP gases are odorless. An odor-making agent is added to the gas. The odor helps you detect a gas leak. However, the odor added to the gas can fade. Gas may be present even though no odor exists. Make certain you read and understand all warnings. Keep this manual for reference. It is your guide to operating this log set safely.



**WARNING:**

- Due to high temperatures, locate this appliance out of traffic and away from furniture and draperies.
- Log set becomes very hot when operating. Keep children and adults away from hot surfaces to avoid burns or clothing ignition. Log set will remain hot for a time after shutoff. Allow surfaces to cool before touching.
- Carefully supervise young children when they are in the room with the log set.
- Do not place clothing or other flammable material on or near the appliance. Never place any objects in the log set.
- Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.
- Any change to this log set or its controls can be dangerous.
- Do not use any accessories not approved for use with this log set.
- Keep the appliance area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

**WARNING**

This product and the fuels used to operate this product (liquid propane or natural gas), and the products of combustion of such fuels, can expose you to chemicals including benzene, which is known to the State of California to cause cancer and reproductive harm.

For more information go to [www.p65Warnings.ca.gov](http://www.p65Warnings.ca.gov)

1. This appliance is only for use with the type of gas indicated on the rating plate.
2. Do not place propane/LP supply tank(s) inside any structure. Locate propane/LP supply tank(s) outdoors.
3. If you smell gas
  - Shut off gas supply.
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone.
  - Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
4. This log set shall not be installed in a bedroom or bathroom.
5. Do not use this log set as a wood-burning log set. Use only the logs provided with the log set.
6. Do not add extra logs or ornaments such as pine cones, vermiculite or rock wool. Using these added items can

cause sooting.

7. This log set is designed to be smokeless. If logs ever appear to smoke, turn off log set and call a qualified service person. Note: During initial operation, slight smoking could occur due to log curing and log set burning manufacturing residues.
8. To prevent the creation of soot, follow the instructions in Cleaning and Maintenance in your Vented Log Set Owners Manual.
9. Before using furniture polish, wax, carpet cleaner or similar products, turn log set off. If heated, the vapors from these products may create a white powder residue within burner box or on adjacent walls or furniture.
10. This log set needs fresh air ventilation to run properly.
11. Do not run log set
  - Where flammable liquids or vapors are used or stored.
  - Under dusty conditions.
12. Do not use this log set to cook food or burn paper or other objects.
13. Never place any objects in the fireplace or on the logs.
14. Do not use log set if any part has been under water. Immediately call a qualified service technician to inspect the log set and to replace any part of the control system and any gas control which has been under water.
15. Turn off and unplug log set and let cool before servicing. Only a qualified service person should service and repair log set.
16. To prevent performance problems, do not use propane/LP fuel tank of less than 100 lb. capacity.
17. Provide adequate clearances around air openings.

## **QUALIFIED INSTALLING AGENCY**

Only a qualified agency should install and replace gas piping, gas utilization equipment or accessories, and repair and equipment servicing.

The term "qualified agency" means any individual, firm, corporation, or company that either in person or through a representative is engaged in and is responsible for:

- a) Installing, testing, or replacing gas piping or
- b) Connecting, installing, testing, repairing, or servicing equipment; that is experienced in such work; that is familiar with all precautions required; and that has complied with all the requirements of the authority having jurisdiction.

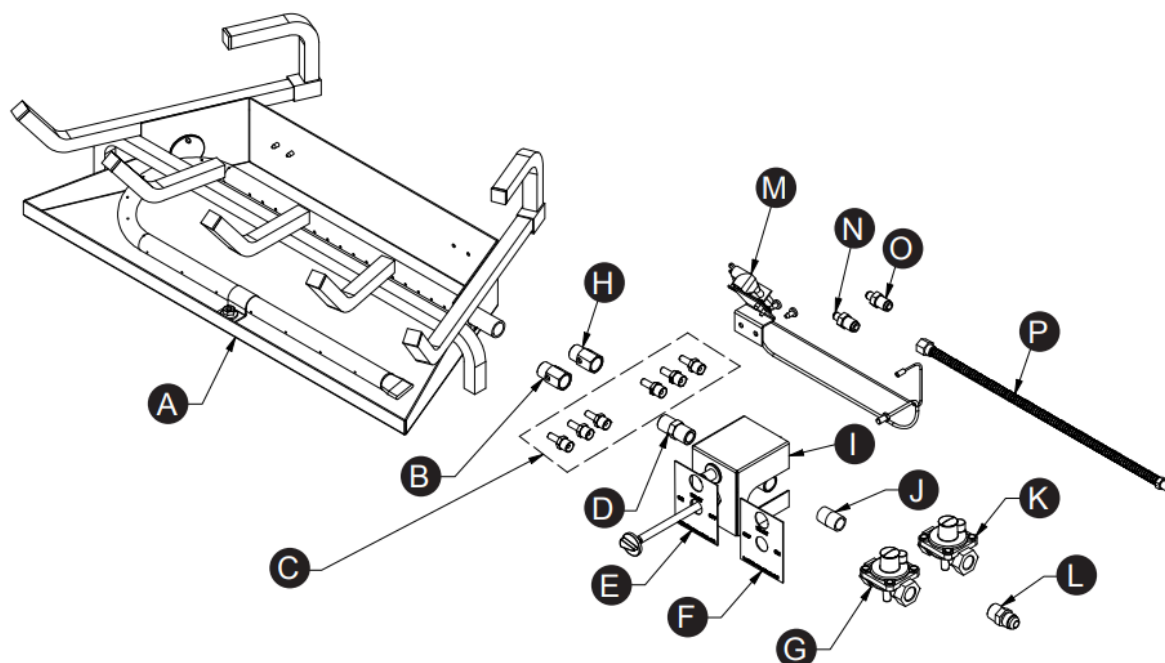
## **PACKAGE CONTENTS**

**SPK200L**

| Item | Description  |
|------|--|
| A    | Burner Pan Assembly<br>18", 24", or 30" (not included)   |
| B    | LP Air Shutter   |
| C    | Burner Orifices (select<br>correct size and fuel Fig. a) |
| D    | Threaded Nipple (internal<br>threads for burner orifice) |
| E    | Right Mount Decal  |
| F    | Left Mount Decal   |
| G    | LP Pressure Regulator                                    |
| H    | NG Air Shutter   |
| I    | Manual Control Valve<br>Assembly                         |
| J    | Nipple   |
| K    | NG Pressure Regulator<br>5" WC                           |
| L    | Flare Fitting  |
| M    | Pilot Assembly   |
| N    | LP Pilot Orifice   |
| O    | NG Pilot Orifice   |
| P    | Flex Pilot Gas Line                                      |

## SPK200L

Manual LP/NG Safety Pilot Kit



## BURNER ORIFICE SIZES

| Log Set Size | Hole Diameter (mm) |      |         |    |
|--------------|--------------------|------|---------|----|
|              | SPK-200            |      | SPK-300 |    |
|              | LP                 | NG   | LP      | NG |
| 18"          | 2.                 | 3.   | 2.      | 3. |
| 24"          | 2.                 | 2.90 | 2.      | 3. |
| 30"          | 2.                 | 3.   | 2.      | 3. |

### Fig. a

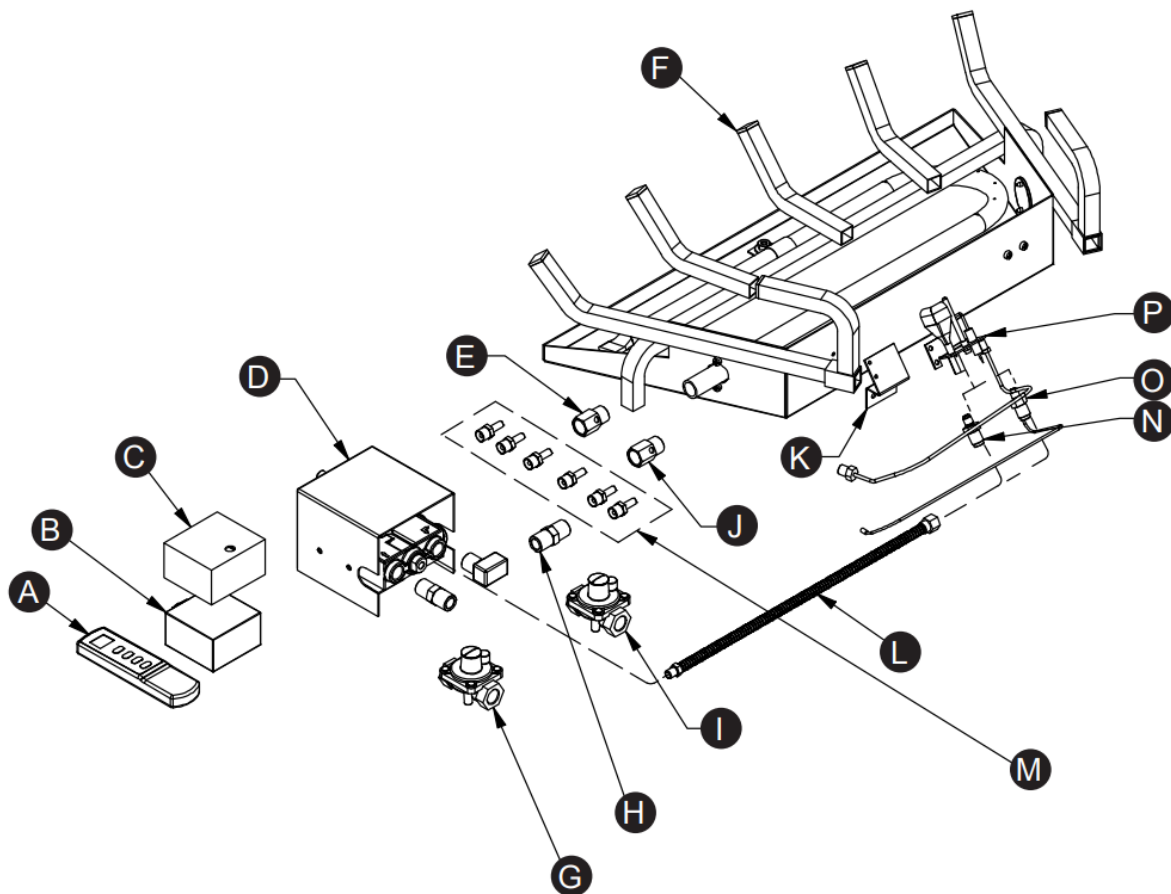
LP18 = 18" Size & LP Fuel  
 LP24 = 24" Size & LP Fuel  
 LP30 = 30" Size & LP Fuel  
 NG18 = 18" Size & NG Fuel  
 NG24 = 24" Size & NG Fuel  
 NG30 = 30" Size & NG Fuel



| Item | Description   |
|------|---|
| A    | Remote Transmitter                                    |
| B    | Receiver  |
| C    | Heat Shield   |
| D    | Remote Control Valve Assembly                         |
| E    | LP Air Shutter  |
| F    | Burner Pan Assembly 18", 24", or 30" (not included)   |
| G    | LP Pressure Regulator                                 |
| H    | Threaded Nipple (internal threads for burner orifice) |
| I    | NG Pressure Regulator                                 |
| J    | NG Air Shutter  |
| K    | Pilot Assembly Bracket                                |
| L    | Flex Pilot Gas Line                                   |
| M    | Burner Orifices (select correct size and fuel Fig. a) |
| N    | LP Pilot Orifice                                      |
| O    | NG Pilot Orifice                                      |
| P    | Pilot Assembly  |

### **SPK300L**

Remote LP/NG Safety Pilot Kit



## PRODUCT FEATURES

### LIQUID PROPANE CONVERSION & SAFETY PILOT

This system requires no matches to light. You must use this optional system for Propane/LP conversion.

The State of Massachusetts requires that the chimney flue damper, when used with decorative gas log sets, be welded open or completely removed. In the State of Massachusetts, this appliance must be installed by a licensed plumber or gasfitter.

In the State of Massachusetts the gas cock must be a T-handle type. The State of Massachusetts requires that a flexible appliance connector cannot exceed three feet in length.

### LOCAL CODES

Install and use log set with care. Follow all codes. In the absence of local codes, use the latest edition of The National Fuel Gas Code, ANSI Z223.1, also known as NFPA 54\*.

\*Available from:

American National Standard Institute, Inc.

1430 Broadway

New York, NY 10018

National Fire Protection Association, Inc.

1 Batterymarch Park

Quincy, MA 02269-9101

## UNPACKING



**CAUTION:** Do not remove the metal data plates from the burner pan. The data plates contain important product information.

1. Remove logs, pan materials, and hardware from carton.

2. Remove all protective packaging applied to logs and base for shipment.
3. Check all items for any shipping damage. If damaged, promptly inform the dealer where you bought the product.

## PREPARING FOR INSTALLATION

This safety pilot system must be installed by a qualified profession service technician.

Before beginning assembly of product, make sure all parts are present. Compare parts with package contents list. If any part is missing or damaged, do not attempt to assemble the product. Contact customer service for replacement parts.

Estimated Assembly Time: 60 minutes

Tools Required for Assembly (not included): Philips Screwdriver, Gas Rated Pipe Sealant, Adjustable Wrench  
Sediment Trap and Manual Shutoff Valve.

## INSTALLATION

This safety pilot system must be installed by a qualified profession service technician.

**Note:** Installation is easier when done outside of the fireplace.

Save the orifices removed from the appliance for future use.

**WARNING:** Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

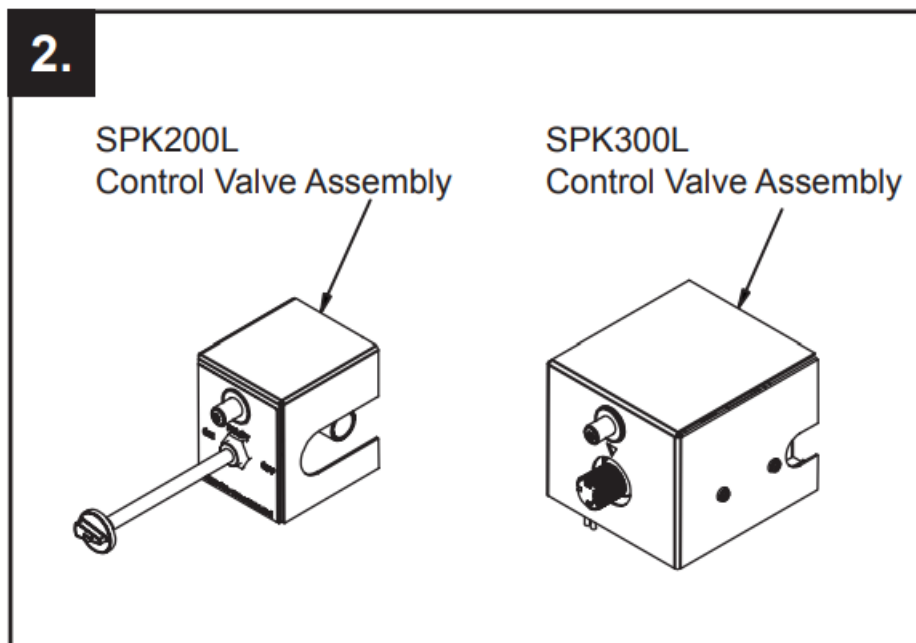
**WARNING:** It is mandatory you use the correct orifice size and gas type for your installation.

Failure to do so will result in either a weak flame or an excessively large flame which could cause overheating and result in property damage or injury.

### Conversion Safety Pilot Kit Assembly Instructions

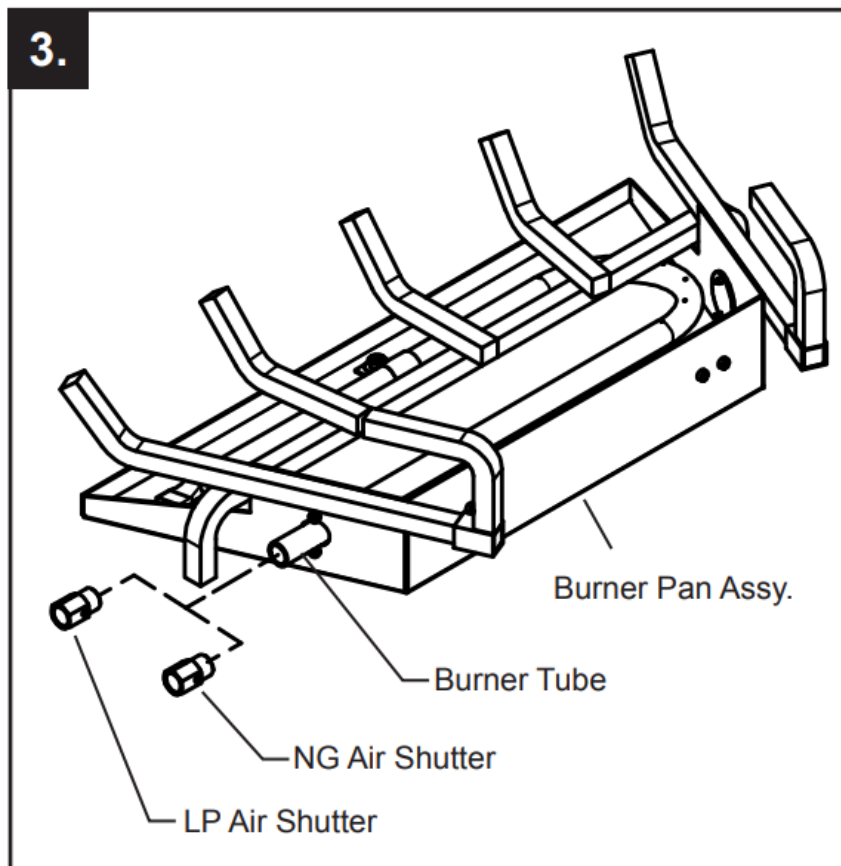
1. Determine which side of the burner assembly the control will be on – Left or Right and attach ON/OFF Label to Valve Bracket.

-This assembly illustration shows the control on the right side.

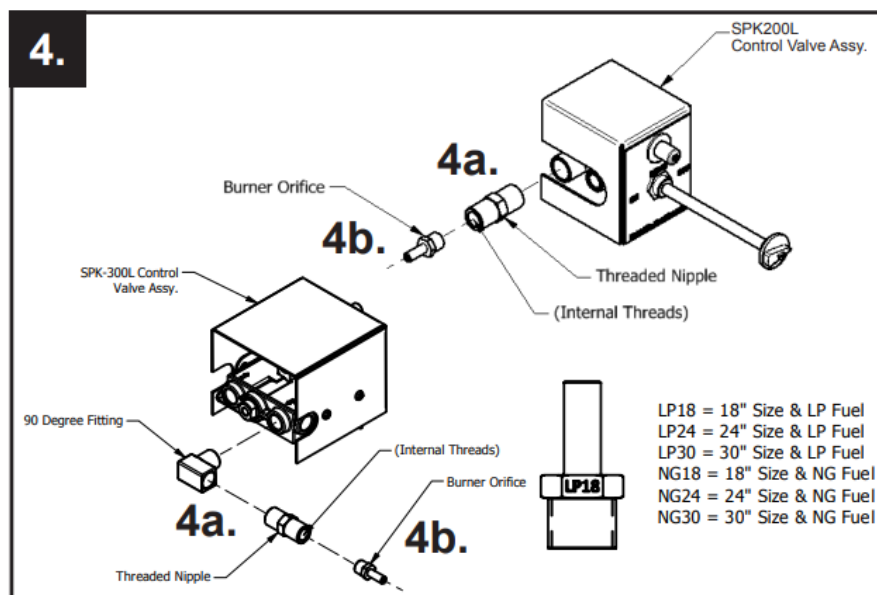


2. Remove Control Valve Assembly from carton and all the other components.
3. a. Remove the original fittings from the Burner Tube.  
3b. Install either the LP or NG Air Shutter depending on your fuel source.  
Save the original fittings you removed in case you return the unit to the standard design!

3.

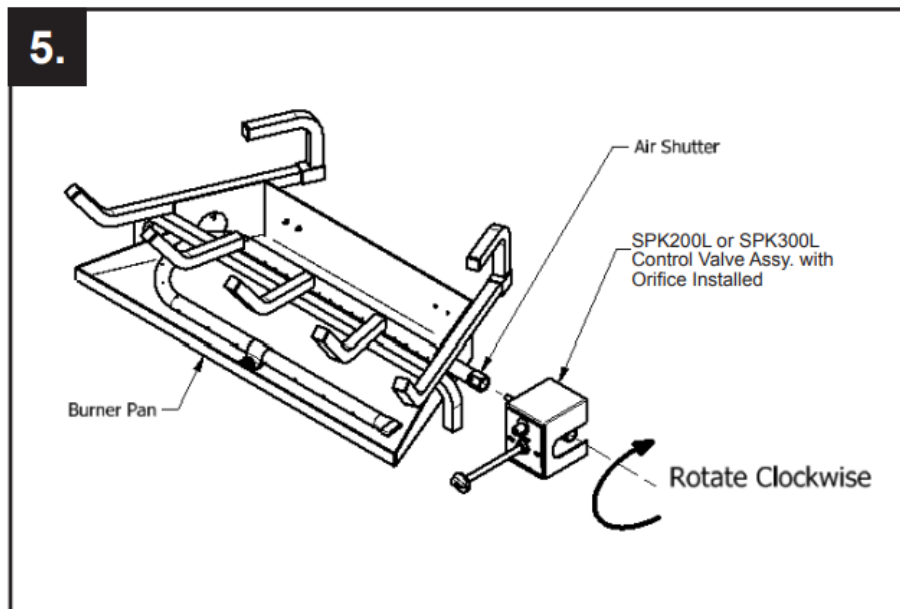


4. a. Install the Threaded Nipple ( and 90 degree fitting- SPK300L) to the Control Valve with the internal threads facing opposite the Control Valve.
- 4b. Install the correct Burner Orifice depending on your Burner Pan size and fuel source.



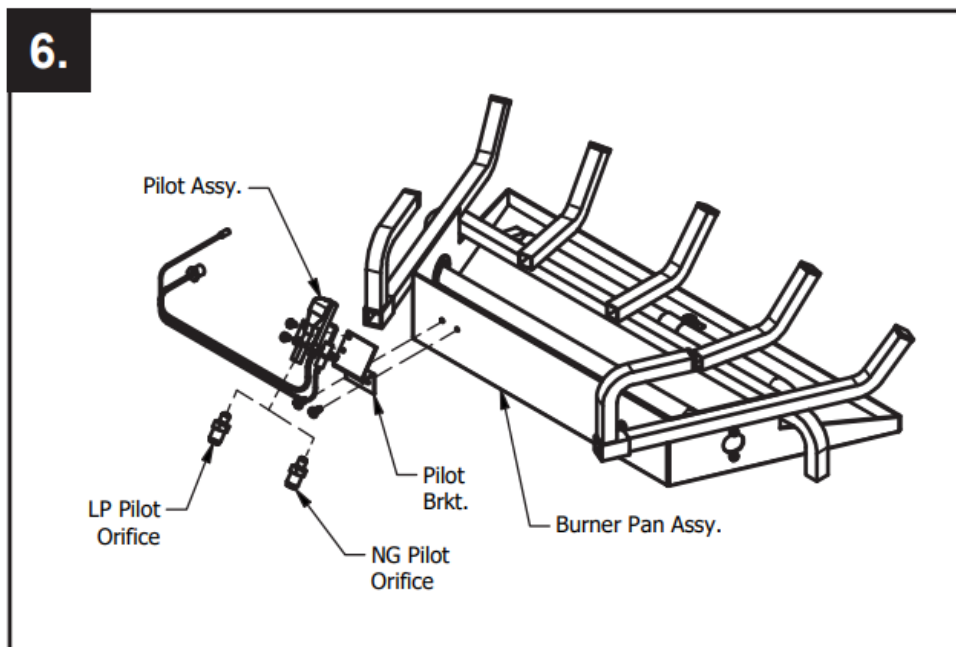
5. Attach Control Valve Assy. to the Air Shutter by rotating the entire Control Valve Assy. clockwise. Make sure Burner Orifice is fully engaged and the Control Valve Assy. is level with the Burner Pan.

5.



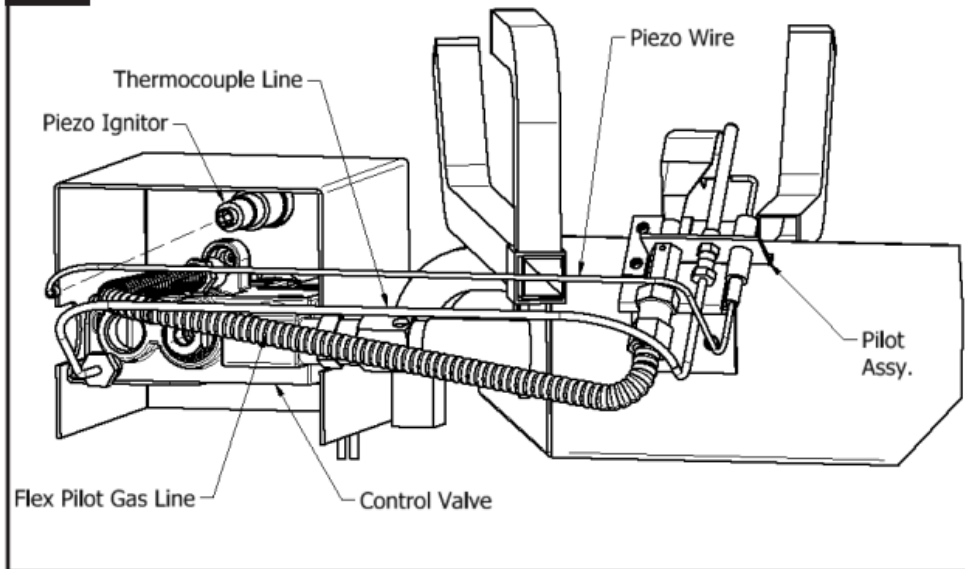
6. a. Attach the Pilot Bracket to the Burner Pan with the 2 screws already attached to the Burner Pan.
- 6b. Attach the Pilot Assembly to the Pilot Bracket with 2 screws supplied.
- 6c. Install the correct LP or NG Pilot Orifice depending on your fuel source.

6.



7. a. Connect the Piezo Ignition Wire to the Piezo Ignitor.
- 7b. Screw the Thermocouple Line into the Control Valve.
- 7c. Attach the Flex Pilot Gas Line from the Pilot Assembly to the Control Valve. Be careful to not kink the line during assembly.

7.



8. a. Connect the correct Fuel Pressure Regulator and install other fitting necessary for your particular installation.

### CONNECTION TO GAS SUPPLY



**WARNING:** A qualified service person must connect log set to gas supply. Follow all local codes.

#### Installation Items Needed

Before installing log set, make sure you have the items listed below.

- piping (check local codes)
- sealant (resistant to natural gas)
- equipment shutoff valve
- test gauge connection
- adjustable (crescent) wrench or pliers
- sediment trap
- tee joint
- pipe wrench



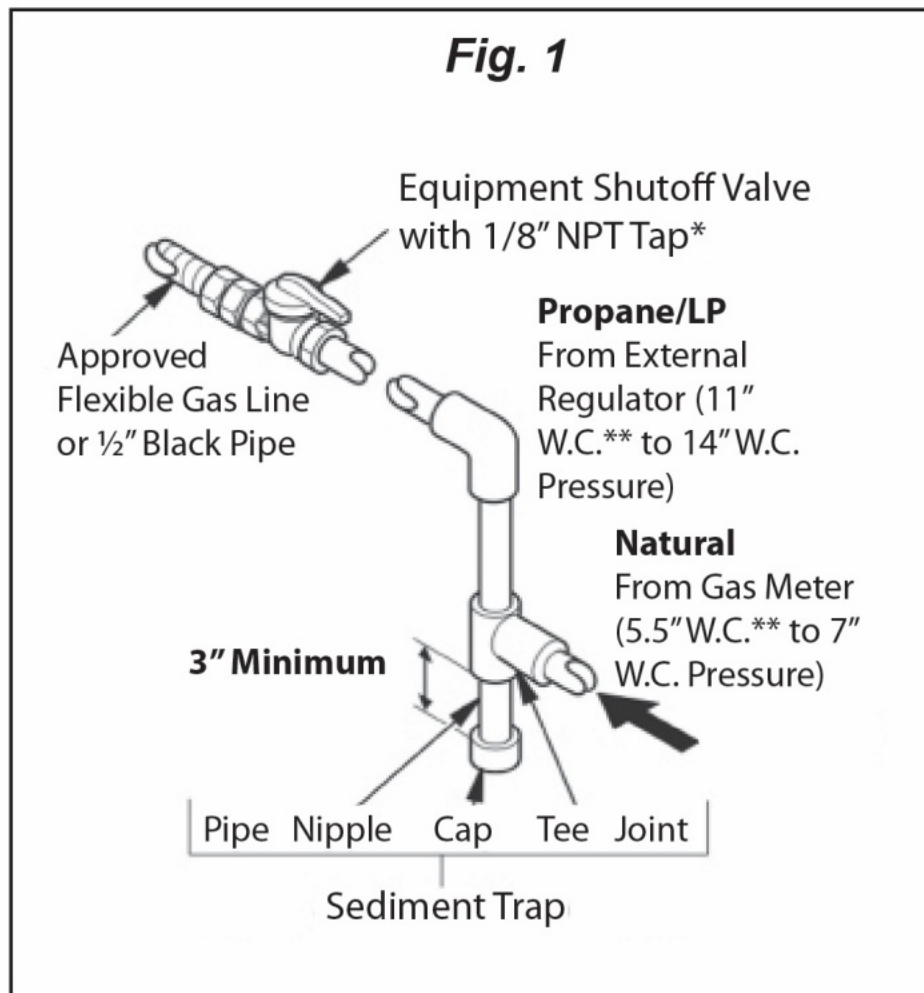
**CAUTION:** Only use a new, black iron or steel pipe. Internally-tinned copper tubing may be used in certain areas. Check your local codes. Use pipe of 1/2" diameter or greater to allow proper gas volume to log set. If pipe is too small, loss of pressure will occur.

Installation must include an equipment shutoff valve, union, and plugged 1/8" NPT tap.

Locate NPT tap within reach for test gauge hook up. NPT tap must be upstream from log set (see Figure 1).

**IMPORTANT:** Install equipment shutoff valve in an accessible location. The equipment shutoff valve is for turning on or shutting off the gas to the appliance.

**Fig. 1**



Apply pipe joint sealant lightly to male threads.

This will prevent excess sealant from going into pipe. Excess sealant in pipe could result in a clogged burner injector.

Install sediment trap in supply line. Locate sediment trap where it is within reach for cleaning.

Locate sediment trap where trapped matter is not likely to freeze.

A sediment trap traps moisture and contaminants.

This keeps them from going into log set controls. If sediment trap is not installed or is installed incorrectly, log set may not run properly.

## CHECKING GAS CONNECTIONS



**WARNING:** Test all gas piping and connections for leaks after installing or servicing. Correct all leaks immediately.



**WARNING:** Never use an open flame to check for a leak. Apply a mixture of liquid soap and water to all joints. If bubbles form, there may be a leak. Correct all leaks immediately.

Pressure Testing Gas Supply Piping System

Test Pressures In Excess Of 1/2 PSIG ( 3.5kPa )

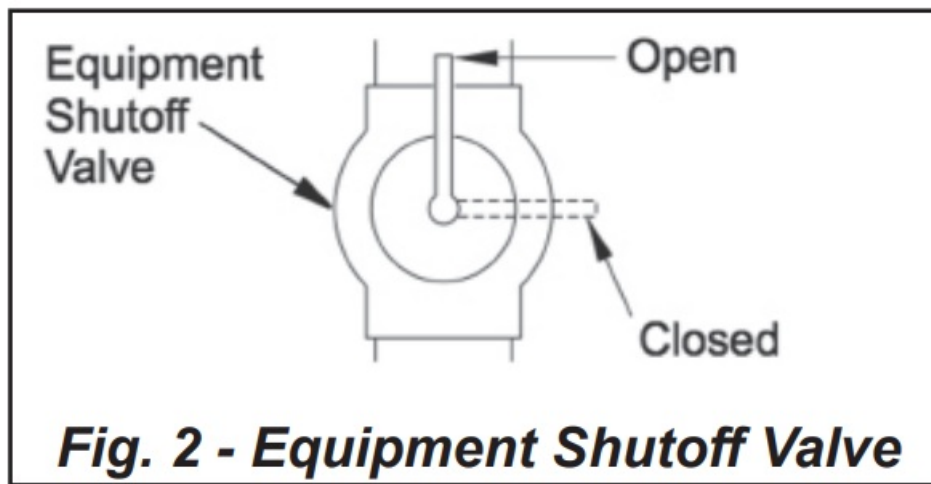
1. Disconnect log set with its appliance main gas valve (control valve) and equipment shutoff valve from gas supply piping system. Pressures in excess of 1/2 PSIG will damage log set regulator.
2. Cap off open end of gas pipe where equipment shutoff valve was connected.
3. Pressurize supply piping system by either using compressed air or opening gas supply tank valve.
4. Check all joints of gas supply piping system. Apply mixture of liquid soap and water to gas joints. If bubbles

form, there may be a leak.

5. Correct all leaks immediately.
6. Reconnect log set and equipment shutoff valve to gas supply. Check reconnected fittings for leaks.

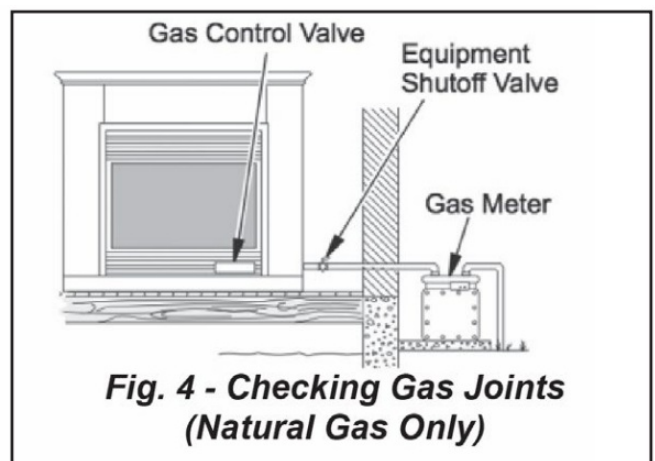
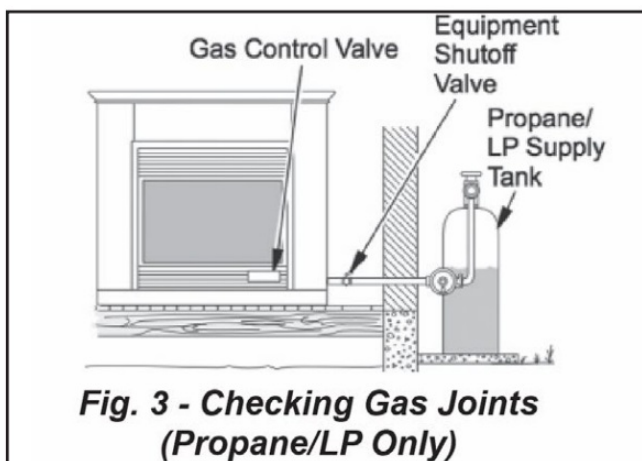
#### **Test Pressures Equal To or Less Than 1/2 PSIG (3.5 kPa)**

1. Close equipment shutoff valve (See Fig. 2).
2. Pressure supply piping system by either using compressed air or opening gas supply tank valve.
3. Check all joints from gas meter to equipment shutoff valve (See Fig. 3 & 4). Apply mixture of liquid soap and water to gas joints. If bubbles form, there may be a leak.
4. Correct all leaks immediately.



#### **Pressure Testing Log set Gas Connections**

1. Open equipment shutoff valve (See Fig. 2).
2. Open gas supply tank valve.
3. Make sure control knob of log set is in the OFF position.
4. Check all joints from equipment shutoff valve to control valve (See Fig. 3 & 4). Apply mixture of liquid soap and water to gas joints. If bubbles form, there may be a leak.
5. Light log set (see Operation, page 13). Check all other internal joints for leaks.
6. Turn off log set (see "To Turn Off Gas to Appliance," page 14).



To convert the back to original gas first make sure the equipment shutoff valve is closed (see Fig 2.). Simply disconnect the LP conversion kit's "Air Nozzle" from the appliance with a wrench.

## OPERATION

### FOR YOUR SAFETY READ BEFORE LIGHTING



**WARNING:** If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot which must be lighted by the electronic ignitor. When lighting the pilot, follow these instructions exactly.

B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

### WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Forced or attempted repair may result in fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

E. Solid fuels shall not be burned in a fireplace where a decorative appliance is installed.

F. A fireplace screen must be in place when the appliance is operating and, unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air.

## LIGHTING INSTRUCTIONS


### LIGHTING THE PILOT

1. STOP! Read the safety information as noted above.

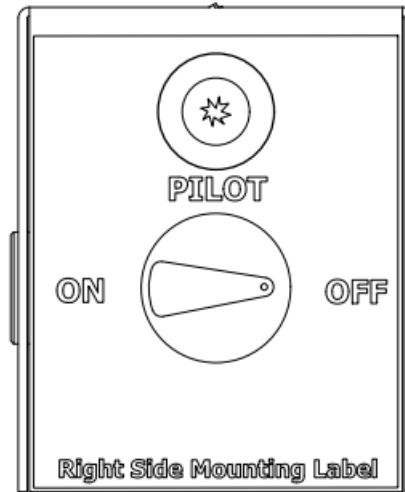



**WARNING:** BE SURE THAT THE CHIMNEY DAMPER IS FULLY OPEN.

**IMPORTANT:** Verify the input rating of the converted appliance with the table on page 3.

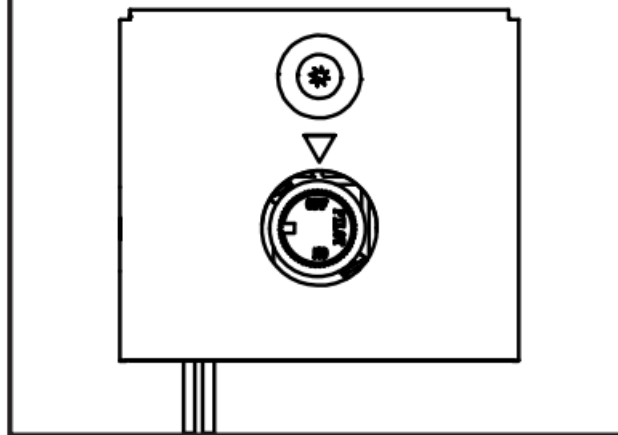
2. Read all warnings and safety information in this manual
3. Locate the valve on the side of the unit, and push the gas control knob in slightly (DO NOT FORCE) and turn clockwise  to OFF (See Fig. 5).

**Fig. 5**  
**SPK200L**  
**Control Valve**



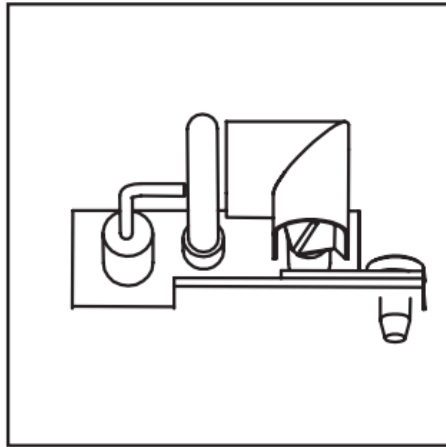
4. Wait five (5) minutes to clear out any gas. If you smell gas, STOP! Follow the safety instructions above named "WHAT TO DO IF YOU SMELL GAS". If you do not smell gas, continue onto the next step.
5. Slightly push in, and turn the control knob counterclockwise  so the white dot on the control knob lines up with "PILOT" (See Fig. 6). The pilot is visible, at the back of the burner on the valve side. (See Fig. 6.5).

**Fig. 6**  
**SPK300L**  
**Control Valve**



- Do not attempt to light the pilot by hand.

***Fig. 6.5***



6. Push firmly and hold the control knob in fully and hold.
7. With control knob depressed, repeatedly push down the piezo ignitor until the pilot lights.


**LIGHTING INSTRUCTIONS (Continued)**

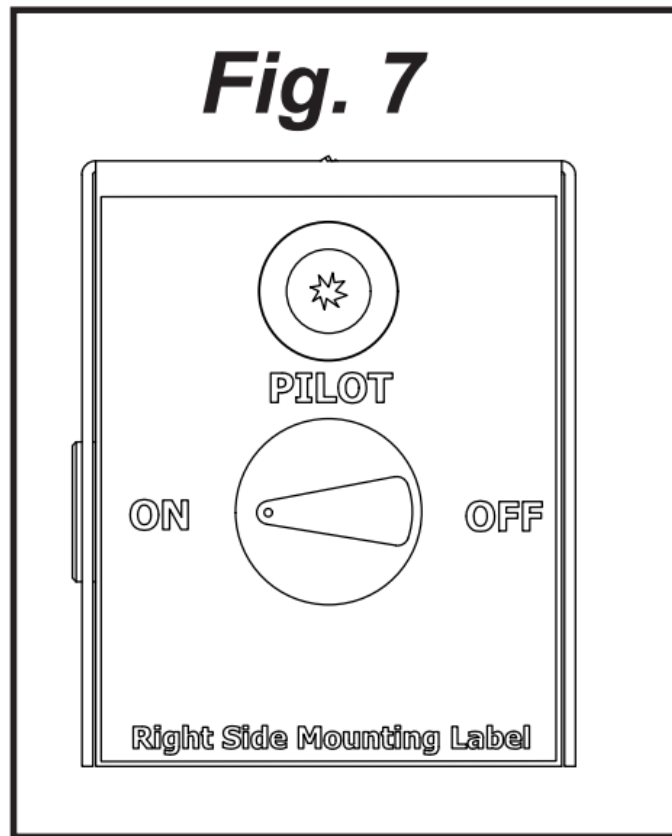
8. Keep control knob depressed for (30) seconds after pilot lights.

Release control knob.

- If the control knob does not pop up when released, stop and immediately call a qualified service technician or gas supplier.
- If pilot goes out repeat steps 3 through 7. Wait (1) minute before attempting to light pilot again. If after several tries the pilot still goes out, turn the gas control knob clockwise to the "OFF". position and call a qualified service technician.

**LIGHTING THE BURNER**

1. Ensure the pilot is lit. Turn the gas control knob counterclockwise  to the "ON" position (See Fig. 7)



**WARNING:** If the burner fails to light within 5 seconds, turn the control knob clockwise to the “PILOT” position. Wait five (5) minutes to clear out any gas. If you smell any gas STOP! Follow the safety instructions on the previous page named “WHAT TO DO IF YOU SMELL GAS.” If you do not smell gas, continue on to the next step.



**WARNING:** If after several tries the pilot still goes out, turn the gas control knob clockwise to the “OFF” position and call a qualified service technician.




**WARNING:** The fireplace screen must be in place when the appliance is operating and, unless other provisions for combustion are provided, the screen shall have an opening(s) for introduction of combustion air.



**WARNING:** Any glass doors shall be completely opened while appliance is in operation.

## TO TURN OFF GAS TO APPLIANCE

1. Push in the control knob slightly and turn all the way clockwise , so the white dot is pointing to the “OFF” position.

**Note:** Verify that the unit operates in accordance to these lighting instructions

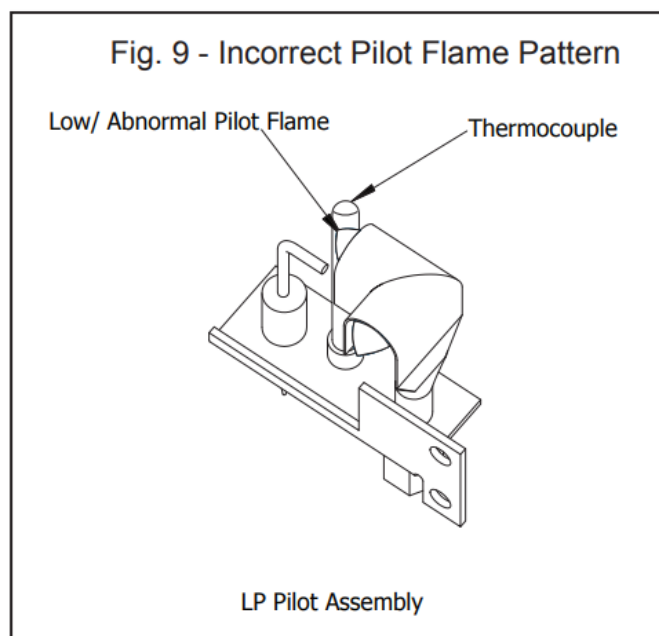
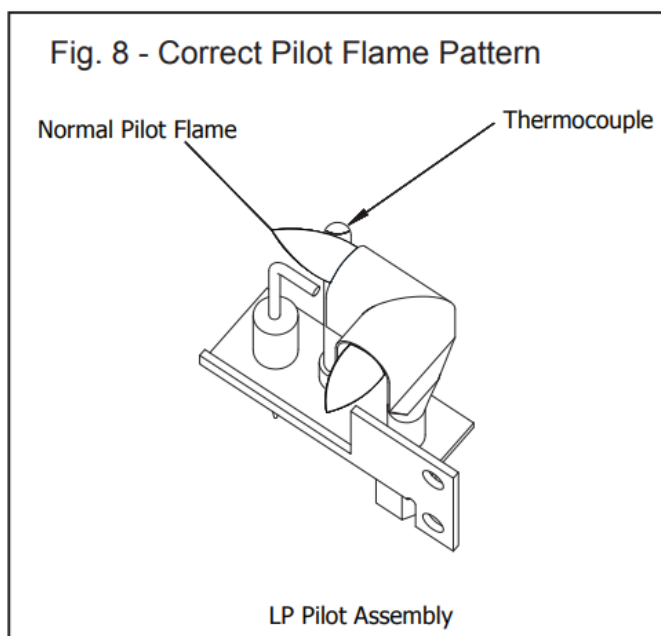
## INSPECTING BURNERS

Check pilot flame pattern daily when in use and at least yearly by a qualified service agency.

### PILOT FLAME PATTERN

Fig. 8 shows a correct pilot flame pattern. Fig. 9 shows an incorrect pilot flame pattern. The incorrect pilot flame is not touching the thermocouple. This will cause the thermocouple to cool, which shuts the heater off. If pilot flame pattern is incorrect:

- turn heater off (see “To Turn Off Gas to Appliance” on page 14)
- see Troubleshooting pages 17.



**! WARNING:** If yellow tipping occurs, your heater could produce increased levels of carbon monoxide. If burner flame pattern shows yellow tipping, follow instructions at bottom of this page.

**! WARNING:** Do not allow fans to blow directly into the heater. Avoid any drafts that alter burner flame patterns.

**! WARNING:** Do not use a blower insert, heat exchanger insert or other accessory not approved for use with this heater.

**Notice:** Do not mistake orange flames with yellow tipping. Dirt or other fine particles enter the heater and burn causing brief patches of orange flame.

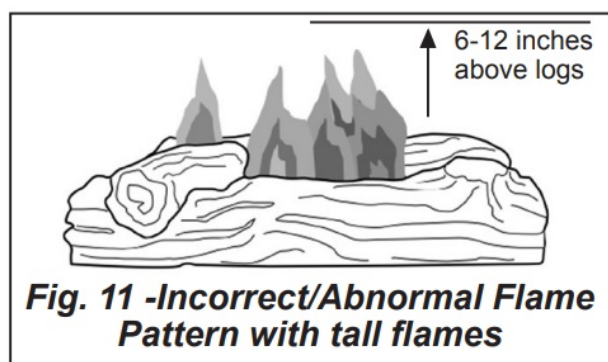
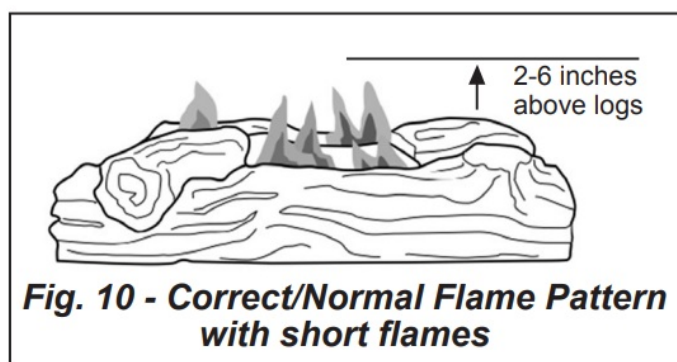
## BURNER FLAME PATTERN

Figure 10 shows a correct burner flame pattern. Figure 11 shows an incorrect burner flame pattern.

The incorrect burner flame pattern shows sporadic, irregular flame tipping. The flame should not be dark or have an orange/reddish tinge.

Note: When using the log set the first time, the flame will be orange for approximately one hour until the log cures. If burner flame pattern is incorrect, as shown in Figure 11.

- turn log set off (see To Turn Off Gas to Appliance, page 14).
- see Troubleshooting, page 17.



**! WARNING:** Turn off log set and let cool before servicing.

**! CAUTION:** You must keep control areas, burner, and circulating air passageways of log set clean. Inspect these areas of log set before each use. Have log set inspected yearly by a qualified service person. Log set may

need more frequent cleaning due to excessive lint from carpeting, bedding material, pet hair, etc.



**WARNING:** Failure to keep the primary air opening(s) of the burner(s) clean may result in sooting and property damage.

### **BURNER ORIFICE HOLDER AND PILOT AIR INLET HOLE**

The primary air inlet holes allow the proper amount of air to mix with the gas. This provides a clean burning flame. Keep these holes clear of dust, dirt, lint and pet hair. Clean these air inlet holes prior to each heating season. Blocked air holes will create soot. We recommend that you clean the unit every three months during operation and have log set 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. If using compressed air in a can, please follow the directions on the can. If you don't follow directions on the can, you could damage the pilot assembly.

Periodic examination and cleaning of the venting system and the solid fuel-burning fireplace, including frequency of such examination and cleaning, must be done by a qualified agency.

### **TROUBLESHOOTING**



**WARNING:** If you smell gas:

- Shut off gas supply.
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

**IMPORTANT:** Operating log set where impurities in air exist may create odors. Cleaning supplies, paint, paint remover, cigarette smoke, cements and glues, new carpet or textiles, etc., create fumes. These fumes may mix with combustion air and create odors.



**WARNING:** Turn off and let cool before servicing. Only a qualified service person should service and repair log set.

| PROBLEM   | POSSIBLE CAUSE   | CORRECTIVE ACTION  |
|---|--|--|
| Pilot will not light  | 1.Obstruction in pilot gas-sup- ply o<br>r pilot gas supply line is kinked<br>2.Inadequate gas supply<br>3.Air in line   | 1.Clear out obstruction. Replace pilot gas-suppl<br>y line if kinked<br>2.Have gas pressure checked by installer or ga<br>s installer<br>3.Let air clear; attempt to relight   |
| Pilot will not stay lit aft<br>er releasing knob  | 1.Thermocouple connection to valv<br>e is either too tight or too loose<br>2.Bad thermocouple  | 1.Ensure thermocouple is finger tight and then<br>1/8" turn with a wrench<br>2.Replace thermocouple  |
| Log set extinguishes a<br>few minutes after lighti<br>ng  | 1. Inadequate gas supply causes pil<br>ot flame to reduce after burner light<br>s  | 1. Using pilot adjustment, increase gas to pilot.<br>Pilot flame must be in contact with the<br>thermocouple tip   |
| Log set extinguishes af<br>ter burning for some ti<br>me (approxi- mately 10<br>minutes- 1 hour | 1.Thermocouple has overheat- ed;<br>glass doors are closed<br>2.Thermocouple has over- heated;<br>burner flames are heating the therm<br>ocouple cold junction | 1.Be sure glass doors are open during operatio<br>n<br>2.Be sure the pilot assembly and the flame dive<br>rter are in their proper position. Re-arrange logs<br>so the flame is not deflected to the thermocoupl<br>e. |

## PLACING RATING TAG DECAL

**WARNING:** Information contained in the figures on this page may not be accurate or updated information.

DO NOT use any information inside of these figures for installation or technical purposes. They are only to be used as a visual aid of how to place the decal.

After installing your new Kit #SPK-200L or SPK-300L you will need to update the information that is included on your decorative/vented appliance by applying the included decal:


1. Locate the Rating Tag Decal in the Kit #SPK200L or SPK300L packaging (See Figure 0.1).
2. Locate the Rating Tag hanging from the vented appliance (See Figure 0.2).
3. Rating Tag Decal will go where the white box is (See Figure 0.3).
4. Peel off and stick the Rating Tag Decal so it looks like Figure 0.4.
5. Fill in date of conversion and name & address of company making the conversion on the newly applied decal.

**Fig 0.1**

| GAS LOG SET MODEL        | VL-W018D, VL-AA18D<br>VL-N018D, VL-SA18D<br>VL-CA18D, VL-W18DL |        | VL-W024D, VL-AA24D<br>VL-N024D, VL-SA24D<br>VL-CA24D, VL-W24DL |        | VL-W030D, VL-AA30D<br>VL-N030D, VL-SA30D<br>VL-CA30D |        |
|--------------------------|--|--------|--|--------|--|--------|
| INPUT RATING (BTU/HR)    | 35,000   | 35,000 | 45,000   | 45,000 | 55,000   | 55,000 |
| GAS TYPE                 | LP   | NG     | LP   | NG     | LP   | NG     |
| IGNITION TYPE            | PIEZO  | PIEZO  | PIEZO  | PIEZO  | PIEZO  | PIEZO  |
| MAX. INLET PRESSURE (WC) | 14"  | 10"    | 14"  | 10"    | 14"  | 10"    |
| MIN. INLET PRESSURE (WC) | 11"  | 7"     | 11"  | 7"     | 11"  | 7"     |
| NORMAL PRESSURE (WC)     | 10"  | 5"     | 10"  | 5"     | 10"  | 5"     |

This appliance was converted on \_\_\_\_\_ (Day-Month-Year)  
 with Kit Model# by \_\_\_\_\_  
 (Name, Address of Company making this conversion), which accepts the responsibility that  
 this conversion has been properly made.

**Fig 0.2**




Serial Number:

Company Name  
Street  
City, State, ZIP

Complies with ANSI Z21.84-2017, Standard for Manually lighted, Natural Gas Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces.

Complies with ANSI Z21.60-2017, Standard for Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces when the LP Conversion Kit is installed by a qualified technician.


  
 0418GL009S


| Minimum Fireplace Size |        |       |             |            |
|------------------------|--------|-------|-------------|------------|
| Log Size               | Height | Depth | Front Width | Rear Width |
| 18" Vented             |        |       |             |            |
| 24" Vented             |        |       |             |            |
| 30" Vented             |        |       |             |            |

\*Important: If adding a Liquid Propane Conversion Safety Pilot Kit to the burner, 8" needs to be added to the front width dimension.

**WARNING:**

- Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Refer to the owner's manual provided with this heater. Installation and service must be performed by a qualified installer, service agency, or the gas supplier.
- For installation in a solid-fuel burning fireplace only. The fireplace chimney must have a permanent vent opening to atmosphere of not less than 50 square inches.
- A fireplace screen must be in place when the appliance is operating and, unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air.
- Any glass doors shall be opened when the appliance is in operation.

**Fig 0.3**




Serial Number:

Company Name  
Street  
City, State, ZIP

Complies with ANSI Z21.84-2017, Standard for Manually lighted, Natural Gas Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces.

Complies with ANSI Z21.60-2017, Standard for Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces when the LP Conversion Kit is installed by a qualified technician.


  
 0418GL009S


| Minimum Fireplace Size |        |       |             |            |
|------------------------|--------|-------|-------------|------------|
| Log Size               | Height | Depth | Front Width | Rear Width |
| 18" Vented             |        |       |             |            |
| 24" Vented             |        |       |             |            |
| 30" Vented             |        |       |             |            |

\*Important: If adding a Liquid Propane Conversion Safety Pilot Kit to the burner, 8" needs to be added to the front width dimension.

**WARNING:**

- Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Refer to the owner's manual provided with this heater. Installation and service must be performed by a qualified installer, service agency, or the gas supplier.
- For installation in a solid-fuel burning fireplace only. The fireplace chimney must have a permanent vent opening to atmosphere of not less than 50 square inches.
- A fireplace screen must be in place when the appliance is operating and, unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air.
- Any glass doors shall be opened when the appliance is in operation.

## Fig 0.4




Serial Number: \_\_\_\_\_

|                     |                          |                          |                          |  |
|---------------------|--------------------------|--------------------------|--------------------------|--|
| Model               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Input Rating        |                          |                          |                          |  |
| Gas Type            |                          |                          |                          |  |
| Ignition Type       |                          |                          |                          |  |
| Max. Inlet Pressure |                          |                          |                          |  |
| Min. Inlet Pressure |                          |                          |                          |  |
| Normal Pressure     |                          |                          |                          |  |

This appliance was converted on \_\_\_\_\_ (Day-Month-Year) to LP Gas with Kit Model# by \_\_\_\_\_  
 (Name, Address of Company making this conversion), which accepts the responsibility that this conversion has been properly made.

Company Name \_\_\_\_\_  
 Street \_\_\_\_\_  
 City, State, ZIP \_\_\_\_\_

Complies with ANSI Z21.84-2017, Standard for Manually lighted, Natural Gas Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces.



0418GL009S

Complies with ANSI Z21.60-2017, Standard for Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces when the LP Conversion Kit is installed by a qualified technician.

| Minimum Fireplace Size |        |       |             |            |
|------------------------|--------|-------|-------------|------------|
| Log Size               | Height | Depth | Front Width | Rear Width |
| 18" Vented             |        |       |             |            |
| 24" Vented             |        |       |             |            |
| 30" Vented             |        |       |             |            |

\*Important: If adding a Liquid Propane Conversion Safety Pilot Kit to the burner, 8" needs to be added to the front width dimension.

**⚠ WARNING:**

- Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Refer to the owner's manual provided with this heater. Installation and service must be performed by a qualified installer, service agency, or the gas supplier.
- For installation in a solid-fuel burning fireplace only. The fireplace chimney must have a permanent vent opening to atmosphere of not less than 50 square inches.
- A fireplace screen must be in place when the appliance is operating and, unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air.
- Any glass doors shall be opened when the appliance is in operation.

### PLACING LIGHTING TAG DECAL



**WARNING:** Information contained in the figures on this page may not be accurate or updated information. DO NOT use any information inside of these figures for installation or technical purposes. They are only to be used as a visual aid of how to place the decal.

After installing your new Kit #SPK200L or SPK300L, you will need to update the information that is included on your decorative/vented appliance by applying the included decal:

1. Locate the Lighting Tag Decal in the Kit #SPK200L / SPK300L packaging (See Figure 0.5).
2. Locate the Lighting Tag hanging from the vented appliance (See Figure 0.6).
3. Lighting Tag Decal will go where the white box is (See Figure 0.7).
4. Peel off and stick the Lighting Tag Decal so it looks like Figure 0.8.

## Fig 0.5

○

**IMPORTANT:**  
LOCATE HANGING TAGS ON THE APPLIANCE.  
PEEL OFF AND PLACE OVER "LIGHTING INSTRUCTIONS" SECTION  
OF THE SIMILAR HANGING TAG, BUT NOT OVER THE  
"FOR YOUR SAFETY" SECTION.

REFERENCE PAGE 6 OF MANUAL  
FOR FURTHER DETAILED INSTRUCTIONS.

### LIGHTING INSTRUCTIONS SAFETY PILOT KIT





1. STOP! Read the safety information as noted above.  
**WARNING: BE SURE THAT THE CHIMNEY DAMPER IS FULLY OPEN.**
2. Read all warnings and safety information in the manual
3. Locate the valve on the side of the unit, and push the gas control knob in slightly (DO NOT FORCE) and turn clockwise  to OFF (See Fig. 5).
4. Wait five (5) minutes to clear out any gas. If you smell gas, STOP! Follow the safety instructions as noted above "WHAT TO DO IF YOU SMELL GAS". If you do not smell gas, continue onto the next step.
5. Slightly push in, and turn the control knob counterclockwise  so the white dot on the control knob lines up with "PILOT" (See Fig. 6)  
The pilot is visible, at the back of the burner on the valve side (See Fig. 7).
  - Do not attempt to light the pilot by hand.
6. Push firmly and hold the control knob in fully and hold
7. With control knob depressed, repeatedly push down the piezo ignitor  until the pilot lights.
8. Keep control knob depressed for (30) seconds after pilot lights.  
Release control knob.
  - If the control knob does not pop up when released, stop and immediately call a qualified service technician or gas supplier.
  - If the pilot will not stay lit after several times, turn the gas control knob to "OFF", and call your service technician or gas supplier
9. Ensure the pilot is lit. Turn the gas control knob counterclockwise  to the "ON" position (See Fig. 8)

Fig. 5



Fig. 6




Fig. 7



Fig. 8



### TO TURN OFF GAS TO APPLIANCE

1. Push in the control knob slightly and turn all the way clockwise , so the white dot is pointing to the "OFF" position.

**Fig 0.6**

FOR YOUR SAFETY  
READ BEFORE LIGHTING

**⚠ WARNING:** If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance must be lighted by hand each time it is used. When lighting, follow these instructions exactly.

B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

**WHAT TO DO IF YOU SMELL GAS**

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department


C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Forced or attempted repair may result in fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS  
VENTED GAS LOG SET

1. STOP! Read the safety information on all the labels.

**⚠ WARNING:** BE SURE THAT THE CHIMNEY DAMPER IS FULLY OPEN.


2. Turn manual shutoff valve clockwise  to the "OFF" position.

3. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.

4. Place a burning match on the surface of the burner embers. Do not hold match in hand.

5. Slowly turn manual gas shutoff valve ON. The gas should ignite in five (5) seconds. If there is no ignition within ten seconds of laying the match down, set manual shutoff valve to OFF and repeat steps 1-5 again.

TO TURN OFF GAS TO APPLIANCE

1. Gently press and turn the gas control knob in a clockwise  direction to the "FULL OFF" position.

**Fig 0.7**

FOR YOUR SAFETY  
READ BEFORE LIGHTING

**⚠ WARNING:** If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance must be lighted by hand each time it is used. When lighting, follow these instructions exactly.

B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

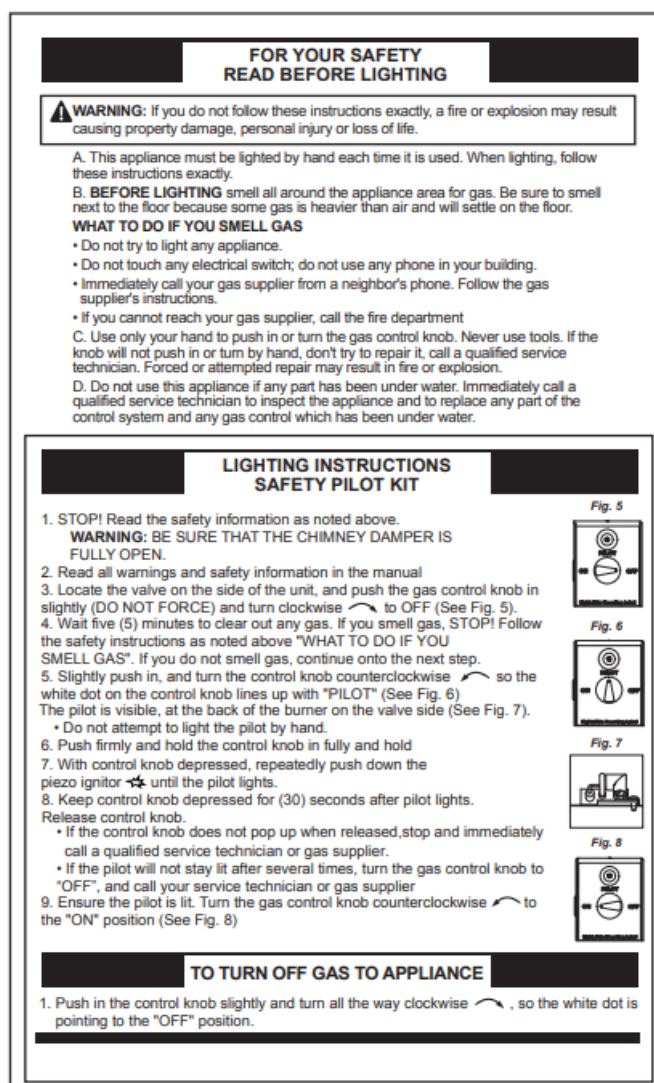
**WHAT TO DO IF YOU SMELL GAS**

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Forced or attempted repair may result in fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

**Fig 0.8**



## UNINSTALLATION & CONVERSION BACK TO ORIGINAL

### UNINSTALLATION OF LIQUID PROPANE CONVERSION SAFETY PILOT KIT (See Figure 12)

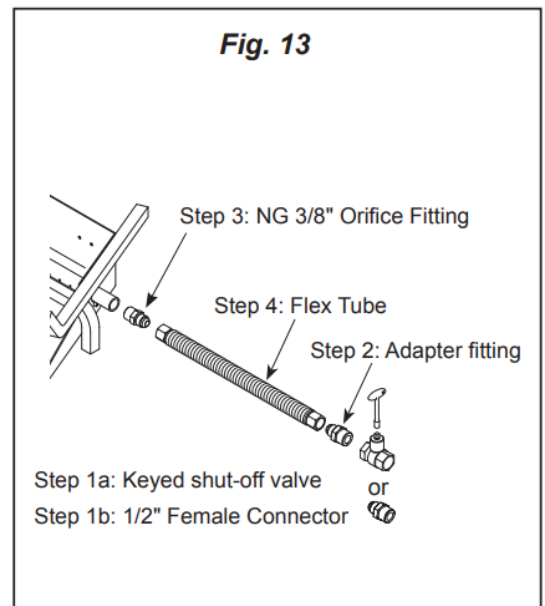
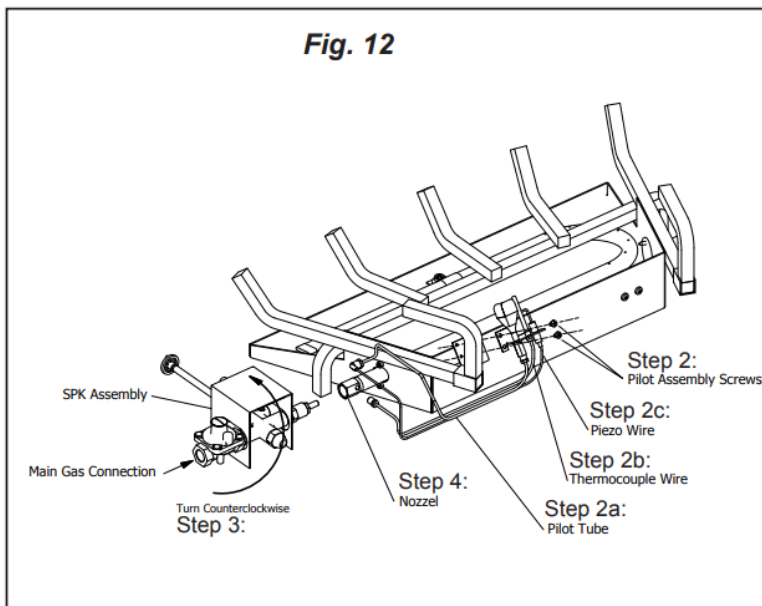
1. Insure the gas is shut off at the main shut-off valve
2. Remove the pilot assembly by unscrewing the (2) screws holding the pilot to the pilot bracket.
  - a. Unscrew the pilot tube from the Safety Pilot Kit (SPK) valve.
  - b. Unscrew the thermocouple line from the SPK valve.
  - c. Remove the piezo wire from the piezo starter
3. Remove the SPK assembly by rotating the entire assembly counter clockwise
4. Remove the nozzle from the burner tube by turning counter clockwise.

### CONVERTING BACK TO NG WITHOUT SAFETY PILOT KIT, FROM LP (See Figure 13)

1. a. Thread the keyed shut-off valve to the fireplace gas supply pipe. Use thread sealant.
  - 1b. If a keyed shut-off valve is already installed, thread 1/2" female connector to the fireplace gas supply pipe. Use thread sealant.
2. Thread adapter fitting into keyed shut-off valve (or 1/2" Female Connector).
3. Install NG 3/8" orifice fitting onto the burner inlet fitting using thread sealant on male threads of burner inlet fitting.

**NOTE:** This fitting was supplied with the original Vented Gas Log model. If this is missing refer to the parts list in the Vented Gas Log Owners Manual, and order a new part. DO NOT operate the appliance without the correct orifice fitting (Item #80-06-034).

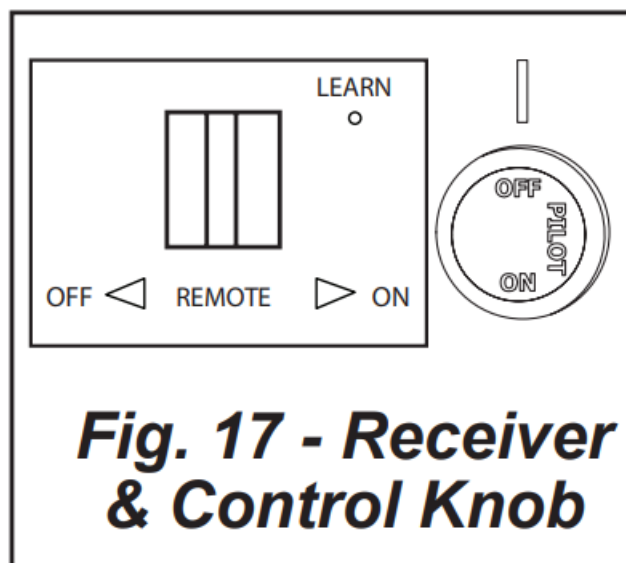
4. Install the gas flex tube to the adapter fitting. Carefully shape tube to attach to orifice fitting.



## REMOTE CONTROL OPERATION

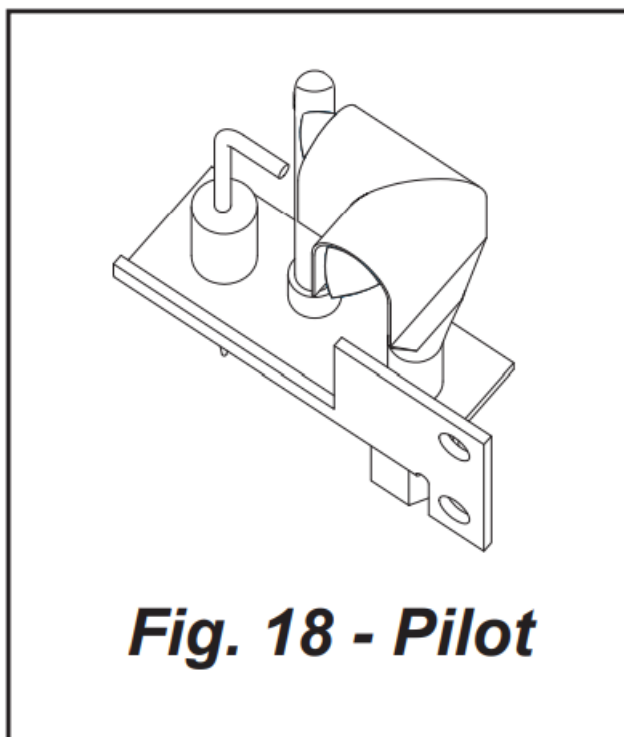
### Model SPK300L



1. STOP! Read the safety information on the pages before this.
2. Open the lower access panel located below the fireplace screen.
  - Set receiver switch to "ON" position (See Fig. 17).

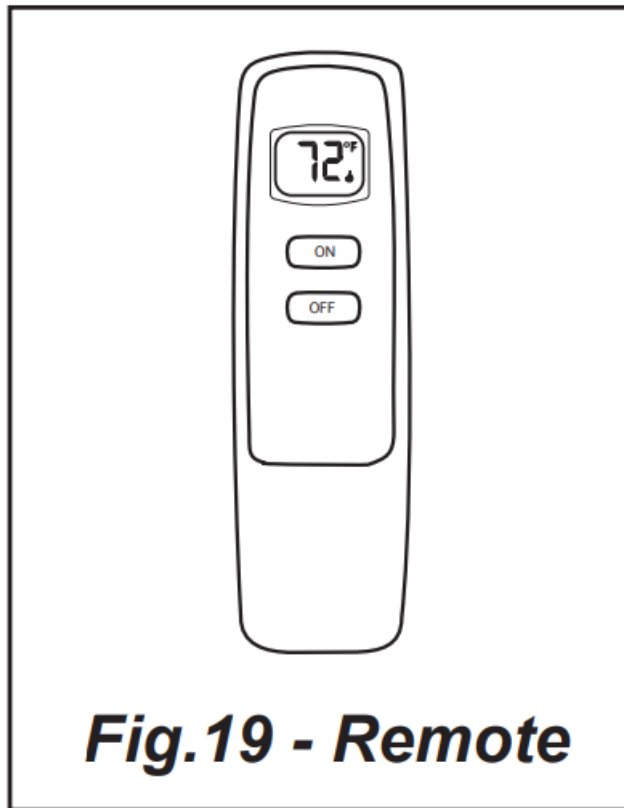


3. Turn control knob clockwise to the "OFF" position (See Fig. 17).
4. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information on the pages before this. If you don't smell gas, go to the next step.
5. Push in slightly and turn control knob counterclockwise to the "PILOT" position (See Fig. 17). Depress control knob.

6. With control knob depressed, push down on the ignitor button until the pilot lights. The pilot is located behind the fireplace screen, centered near the rear of the burner (See Fig. 18).
7. Keep control knob depressed for (30) seconds after pilot lights. Release control knob.




- If the control knob does not pop up when released, stop and immediately call a qualified service technician or gas supplier.
  - If pilot goes out repeat steps 3 through 7. Wait (1) minute before attempting to light pilot again. If after several tries the pilot still goes out, turn the gas control knob clockwise  to the "OFF" position and call a qualified service technician.
8. Turn control knob counterclockwise  to the "ON" position.
  9. To use the included thermostatic remote control, set receiver switch to the "REMOTE" position (See Fig. 19). Press the ON button to turn on the remote to ignite the main burner. Refer to the remote control instruction manual on the next page for "MODE" and "SET" functions.



***Fig.19 - Remote***

## **TO TURN OFF GAS TO APPLIANCE**

### **Model SPK300L**

1. Set thermostat (Transmitter) to the lowest setting.
2. Press the OFF button on the remote control.
3. Push in slightly and turn control knob clockwise  to the "OFF" position.

## **MULTI-FUNCTION WIRELESS REMOTE CONTROL SYSTEM FOR OPERATING A LATCHING SOLENOID VALVE MANUALLY**

**IF YOU CANNOT READ OR UNDERSTAND THESE INSTALLATION INSTRUCTIONS DO NOT ATTEMPT TO INSTALL OR OPERATE**

### **INTRODUCTION**

This remote control system was developed to provide a safe, reliable, and user-friendly remote control system for gas heating appliances. The system is operated manually from the transmitter. The system operates on radio frequencies (RF) within a 20-foot range using non-directional signals. The system operates on one of 1,048,576 security codes that are programmed into the transmitter at the factory; the remote receiver's code must be matched to that of the transmitter prior to initial use.

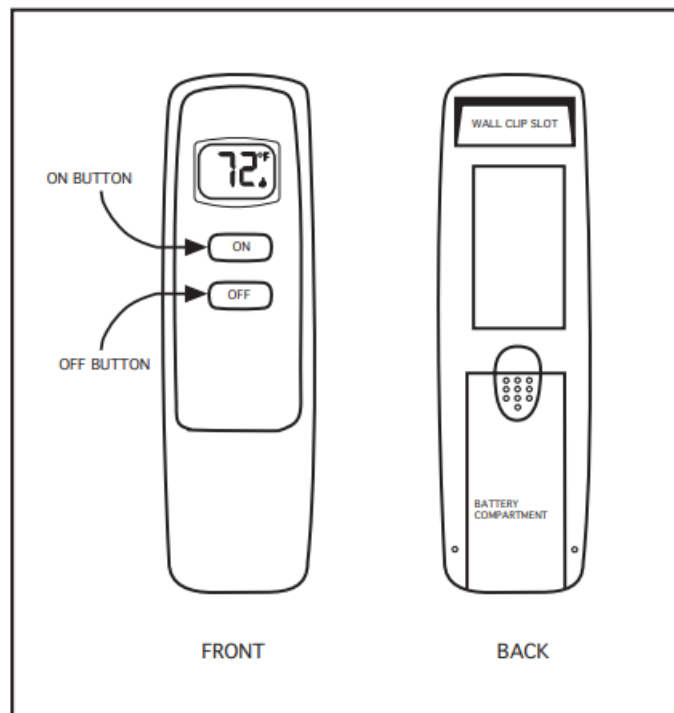
Review **COMMUNICATION SAFETY** under **GENERAL INFORMATION** section. This safety feature shuts down the appliance when a potentially unsafe condition exists.

### **TRANSMITTER**

This remote control **SYSTEM** offers the user a battery-operated remote control to power a latching solenoid such as those used with gas valves used in some heater rated gas logs, gas fireplaces and other gas heating appliances.

The solenoid circuit uses the battery power from the receiver to operate a solenoid. The circuit has reversing polarity software which reverses the positive (+) and negative (-) output of the receiver's battery power to drive a latching solenoid ON/OFF. The **SYSTEM** is controlled by the remote transmitter.

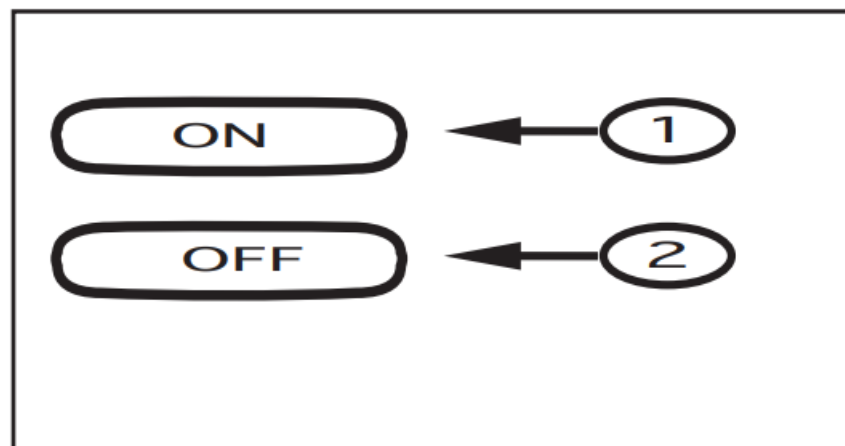
The transmitter operates on a (2) 1.5V AAA batteries. ALKALINE batteries should always be used for longer battery life and maximum operational performance. Re-chargeable batteries should not be used. Before using the transmitter, install the (2) AAA transmitter batteries into the battery compartment. (Use caution that batteries are installed in the proper direction) remote receiver's code must be matched to that of the transmitter prior to initial use.



#### KEY SETTINGS

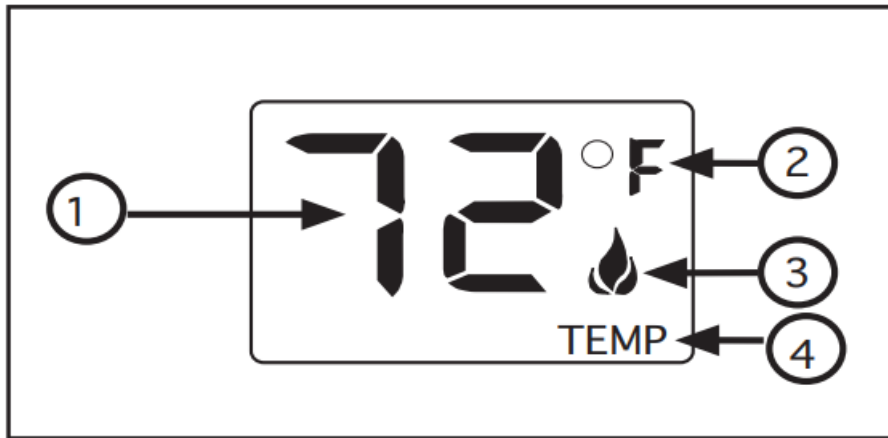
ON – Operates unit to on position, Manually operated solenoid ON.

OFF – Operates unit to off position, Manually operated solenoid OFF.



#### LCD – Liquid Crystal Display

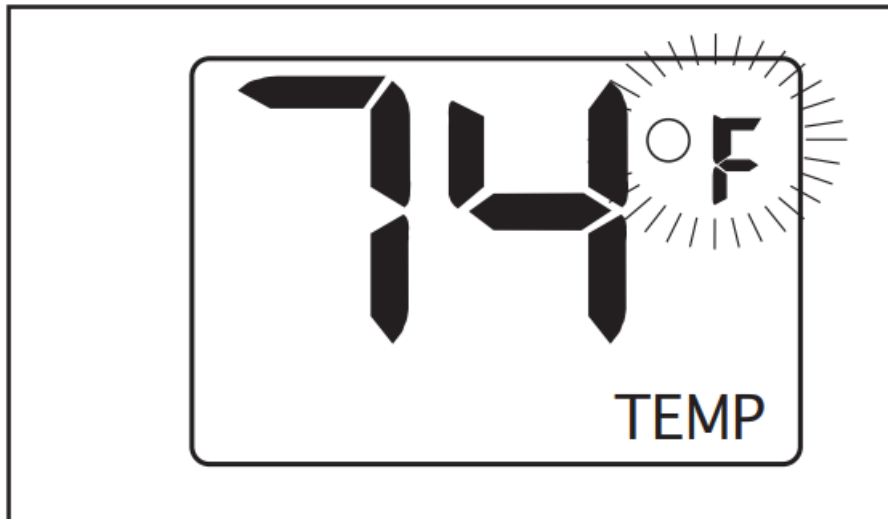
1. DISPLAY Indicates CURRENT room temperature.
2. 0 F OR 0C Indicates degrees Fahrenheit or Celsius.
3. FLAME Indicates burner/valve in operation.
4. TEMP Appears during manual operation.



### SETTING °F / °C SCALE

The factory setting for temperature is °F. To change this setting to °C, first:

- Press the ON key and the OFF key on the transmitter at the same time this will change from °F to °C. Follow this same procedure to change from 0C back to 0F.

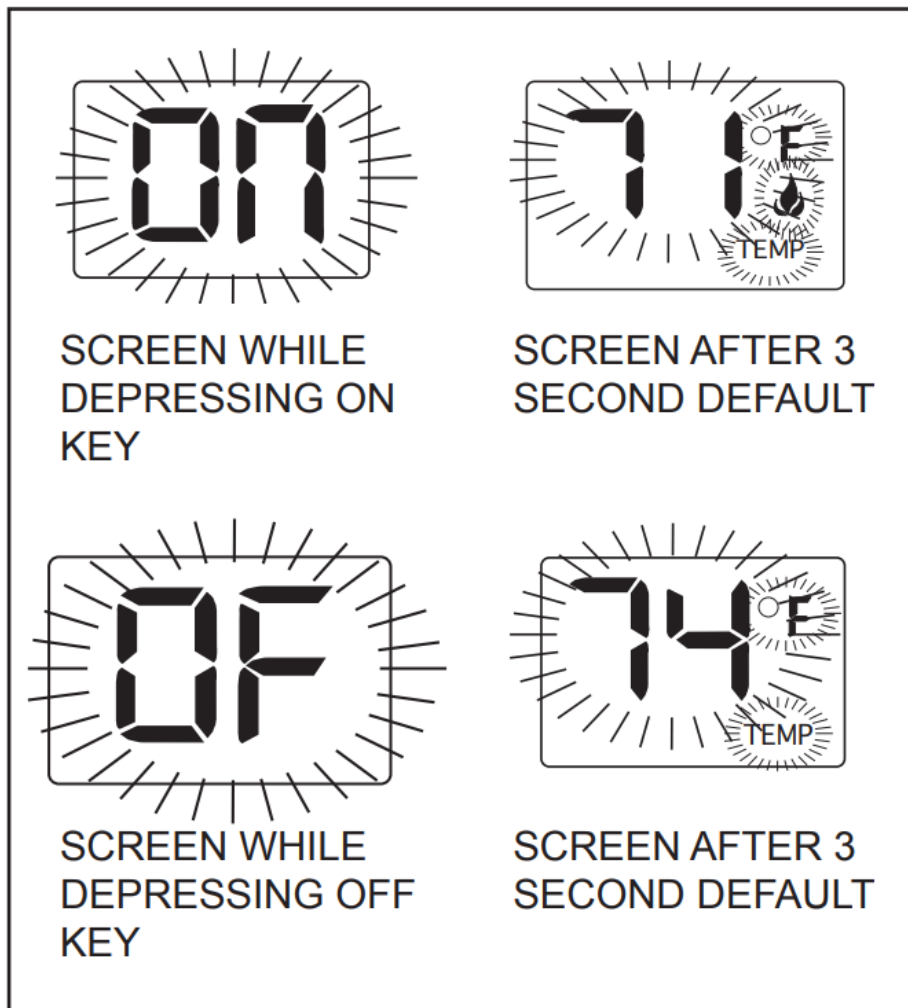


### MANUAL FUNCTION

To operate the system in the manual "MODE" do the following.

#### ON OPERATION

Press the ON key the appliance flame will come on. During this time the LCD screen will show ON, after 3 seconds the LCD screen will default to display room temperature and the word TEMP will show. (Flame icon will appear on LCD screen in manual on mode)



SCREEN WHILE  
DEPRESSING ON  
KEY

SCREEN AFTER 3  
SECOND DEFAULT

SCREEN WHILE  
DEPRESSING OFF  
KEY

SCREEN AFTER 3  
SECOND DEFAULT

### OFF OPERATION

Press the OFF key the appliance flame will shut off. During this time the LCD screen will show OF, after 3 seconds the LCD screen will default to display room temperature and the word TEMP will show.

The transmitter has ON and OFF manual functions that are activated by pressing either button on the face of the transmitter. When a button on the transmitter is pressed the word ON or OF will appear on the LCD screen to show while the signal is being sent. Upon initial use, there may be a delay of three seconds before the remote receiver will respond to the transmitter.

This is part of the system's design.

### POWER SETTING – CON 1001 TH

The electronics in the remote control system have the capability of “powering” two different types of DC-powered components. If any operational problems are noted, contact Customer Service.

The RECEIVER comes from the factory programmed to provide pulse DC voltage (5.5 VDC to 6.3 VDC) to a latching solenoid.

### REMOTE RECEIVER

#### IMPORTANT

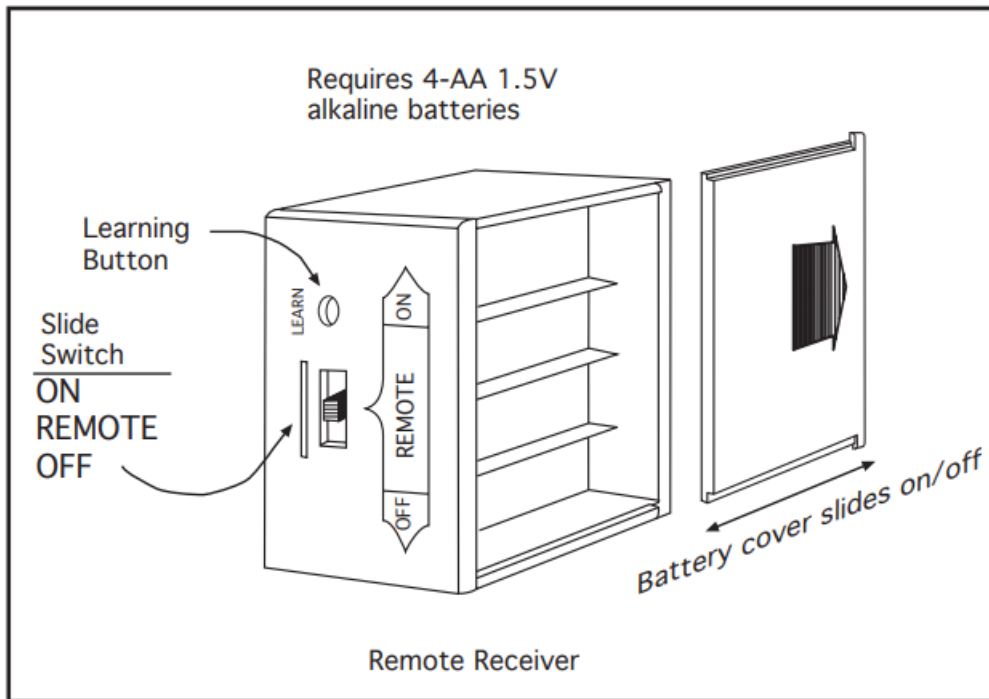
THE REMOTE RECEIVER SHOULD BE POSITIONED WHERE AMBIENT TEMPERATURES DO NOT EXCEED 130° F.

The remote receiver (right) operates on (4) 1.5V AA-size batteries. It is recommended that ALKALINE batteries be used for longer battery life and maximum microprocessor performance.

**IMPORTANT:** New or fully charged batteries are essential to proper operation of the remote receiver as a latching solenoid power consumption is substantially higher than standard remote control systems. Re-chargeable batteries should not be used.

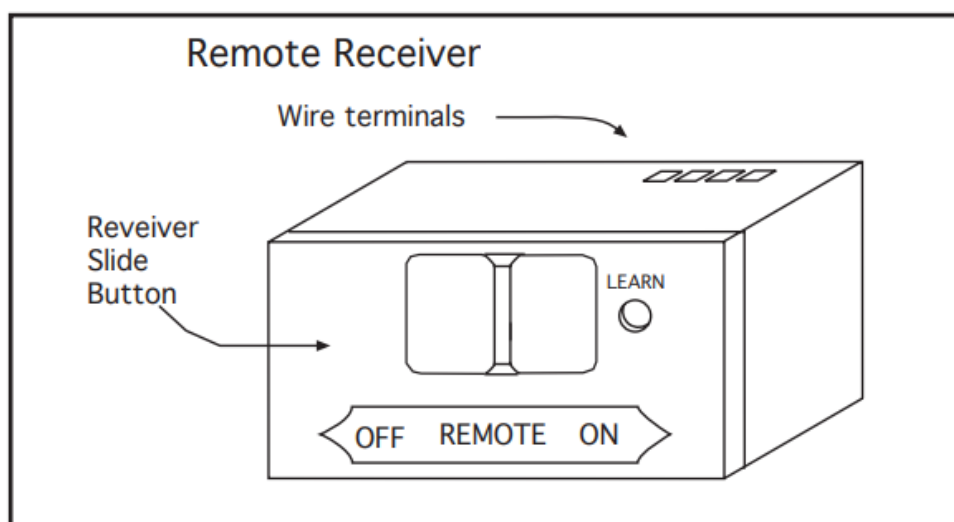
**NOTE:** The remote receiver will only respond to the transmitter when the 3-position slide button on the remote

receiver is in the REMOTE position. The remote receiver houses the microprocessor that responds to commands from the transmitter to control system operation.



## FUNCTIONS:

- With the slide switch in the REMOTE position, the system will only operate if the remote receiver receives commands from the transmitter.
- Upon initial use or after an extended period of no use, the ON button may have to be pressed for up to three seconds before activating servo motor. If the system does not respond to the transmitter on initial use, see LEARNING TRANSMITTER TO RECEIVER.
- With the slide switch in the ON position you can manually turn ON the system.
- With the slide in the OFF position, the system is OFF.
- It is suggested that the slide switch be placed in the OFF position if you will be away from your home for an extended period of time.
- Placing the slide switch in the OFF position also functions as a safety “lock out” by both turning the system OFF and rendering the transmitter inoperative.



## INSTALLATION INSTRUCTIONS

### WARNING

DO NOT CONNECT REMOTE RECEIVER DIRECTLY TO 110-120VAC POWER. THIS WILL BURN OUT THE RECEIVER. FOLLOW INSTRUCTIONS FROM MANUFACTURER OF GAS VALVE FOR CORRECT WIRING PROCEDURES. IMPROPER INSTALLATION OF ELECTRIC COMPONENTS CAN CAUSE DAMAGE TO GAS VALVE AND REMOTE RECEIVER.

### INSTALLATION

The remote receiver can be mounted on or near the fireplace hearth. PROTECTION FROM EXTREME HEAT IS VERY IMPORTANT. Like any piece of electronic equipment, the remote receiver should be kept away from temperatures exceeding 130° F inside the receiver case. Battery life is also significantly shortened if batteries are exposed to high temperatures.

### HEARTH MOUNT

The remote receiver can be placed on the fireplace hearth or under the fireplace, behind the control access panel. Position where the ambient temperature inside the receiver case does not exceed 130° F. NOTE: Black Button is used on Hearth Mount Applications.

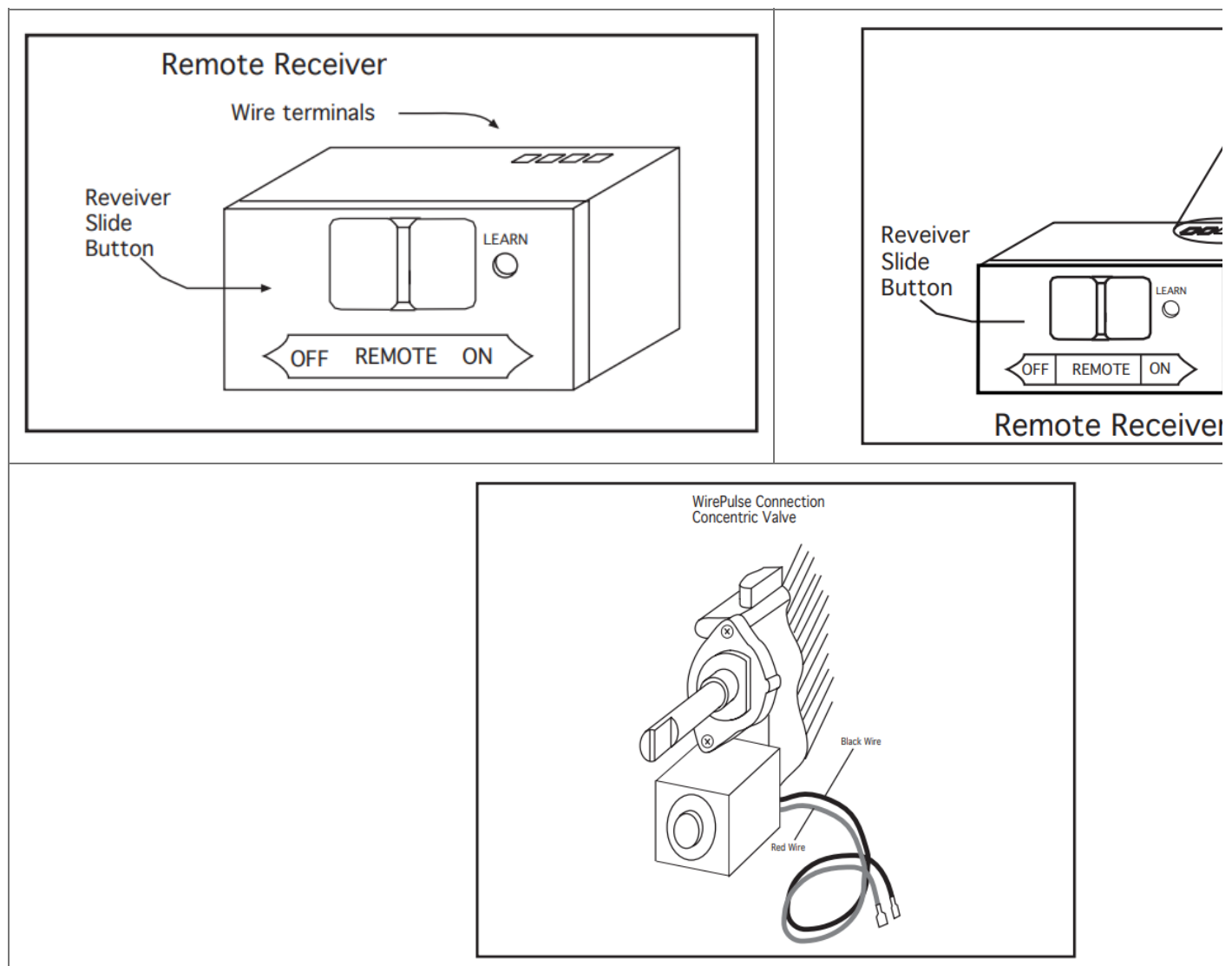
### WIRING INSTRUCTIONS

Make sure the remote receiver switch is in the OFF position. For best results it is recommended that 18 gauge stranded wires should be used to make connections and no longer than 20-feet.

This remote receiver is to be connected to a manual valve with a latching ON/OFF solenoid.

Connect two 18 gauge stranded or solid wires from the remote receiver terminals to the latching solenoid. (See figure to the right)

**IMPORTANT NOTE:** Operation of this control is dependent on which wire is attached to which terminal. If operation of control does not correspond to operating buttons on transmitter, reverse wire installation at the receiver or at the control. NOTE: Up to 6.3 VDC of power is provided at the receiver terminal.



## **GENERAL INFORMATION**

### **COMMUNICATION – SAFETY – TRANSMITTER – (C/S – TX)**

This remote control has a COMMUNICATION –SAFETY function built into its software. It provides an extra margin of safety when the TRANSMITTER is out of the normal 20-foot operating range of the receiver.

The COMMUNICATION – SAFETY feature operates in the following manner, in all OPERATING MODES – ON/ ON THERMO.

At all times and in all OPERATING MODES, the transmitter sends an RF signal every fifteen (15) minutes, to the receiver, indicating that the transmitter is within the normal operating range of 20-feet. Should the receiver NOT receive a transmitter signal every 15 minutes, the IC software, in the RECEIVER, will begin a 2-HOUR (120-minute) countdown timing function. If during this 2-hour period, the receiver does not receive a signal from the transmitter, the receiver will shut down the appliance being controlled by the receiver. The RECEIVER will then emit a series of rapid “beeps” for a period of 10 seconds. Then after 10 seconds of rapid beeping, the RECEIVER will continue to emit a single “beep” every 4 seconds until a transmitter ON or MODE Button is pressed to reset the receiver. The intermittent 4-second beeping will go on for as long as the receiver’s batteries last which could be in excess of one year.

To “reset” the RECEIVER and operate the appliance, you must press the ON button on the transmitter. By turning the system to ON, the COMMUNICATION -SAFETY operation is overridden and the system will return to normal operation. The COMMUNICATION – SAFETY feature will reactivate should the transmitter be taken out of the normal operating range or should the transmitter’s batteries fail or be removed.

### **LEARNING TRANSMITTER TO RECEIVER**

Each transmitter uses a unique security code. It will be necessary to press the LEARN button on the receiver to accept the transmitter security code upon initial use, if batteries are replaced, or if a replacement transmitter is purchased from your dealer or the factory. In order for the receiver to accept the transmitter security code, be sure the slide button on the receiver is in the REMOTE position; the receiver will not LEARN if the slide switch is in the ON or OFF position. The LEARN button is located on the front face of the receiver; inside the small hole labeled LEARN. Using a small screwdriver or end of a paperclip gently press and release the black LEARN button inside the hole. When you release the LEARN button the receiver will emit an audible “beep”. After the receiver emits the beep press the transmitter ANY button and release. The receiver will emit several beeps indicating that the transmitter’s code has been accepted into the receiver. The microprocessor that controls the security code matching procedure is controlled by a timing function. If you are unsuccessful in matching the security code on the first attempt, wait 1 – 2 minutes before trying again—this delay allows the microprocessor to reset its timer circuitry—and try up to two or three more times.

### **BATTERY LIFE**

Replace all batteries regularly. When the transmitter no longer operates the remote receiver from a distance it did previously (i.e., the transmitter’s range has decreased) or the remote receiver does not function at all, the batteries should be checked. It is important that the remote receiver batteries are fully charged, providing combined output voltage of at least 5.5volts. The hand held transmitter should operate with as little as 2.5 volts battery power.

### **TROUBLE SHOOTING**

Life expectancy of the alkaline batteries can be up to 12 months depending on use of the solenoid function. If you encounter problems with your fireplace system, the problem may be the fireplace itself or it could be with the CON1001-TH remote system. Review the fireplace manufacturer’s operation manual to make sure all connections are properly made. Then check the operation of the remote in the following manner:

- Make sure the batteries are correctly installed in the RECEIVER. One reversed battery will keep receiver from operating properly.
- Check battery in TRANSMITTER to ensure contacts are touching (+) and (-) ends of battery. Bend metal contacts in for tighter fit.
- Be sure RECEIVER and TRANSMITTER is within 20-feet operating range.
- Clear Codes: Memory in the receiver might be full if the learn button is pressed too many times. If this happens it will not allow any more codes to be learned and no audible beep will be heard. To clear memory, place the receiver slide switch into the REMOTE position. Press the learn button and release after 10 seconds. You should hear three (3) long audible beeps indicating all codes have cleared. You can now “learn” the transmitter to the receiver as described in the General Information Section.
- Keep RECEIVER from temperatures exceeding 130° F. Battery life shortened when ambient temperatures are

above 115° F.

- If RECEIVER is installed in tightly enclosed metal surround, the operating distance will be shortened.
- Rechargeable batteries should not be used. They do not supply sufficient power to operate the remote system.

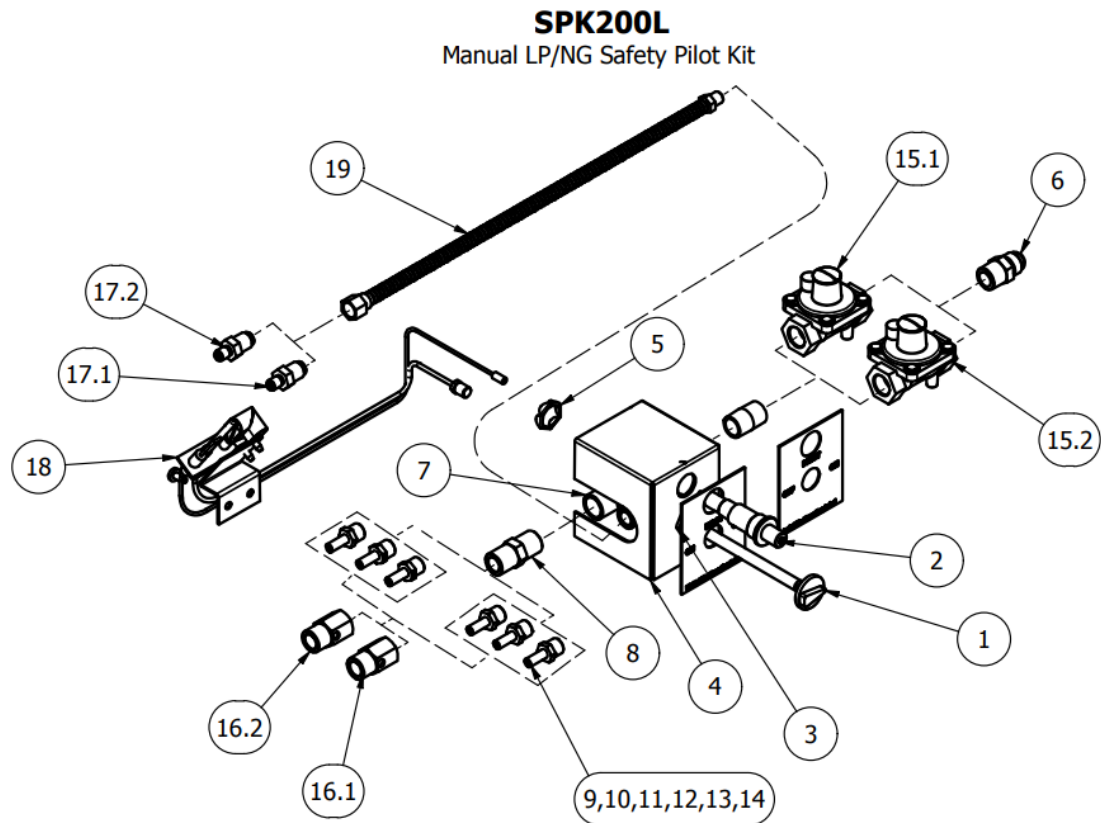
**SPECIFICATIONS BATTERIES:**

Transmitter (2) 1.5 volt AAA t batteries Remote Receiver 6V – 4 ea. AA 1.5 Alkaline

**FCC REQUIREMENTS NOTE:** THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER’S AUTHORITY TO OPERATE THE EQUIPMENT.

**REPLACEMENT PARTS**

For replacement parts, call our Technical Service Department at 1-877-447-4768, 8:30 a.m. –4:30 p.m., CST, Monday – Friday.

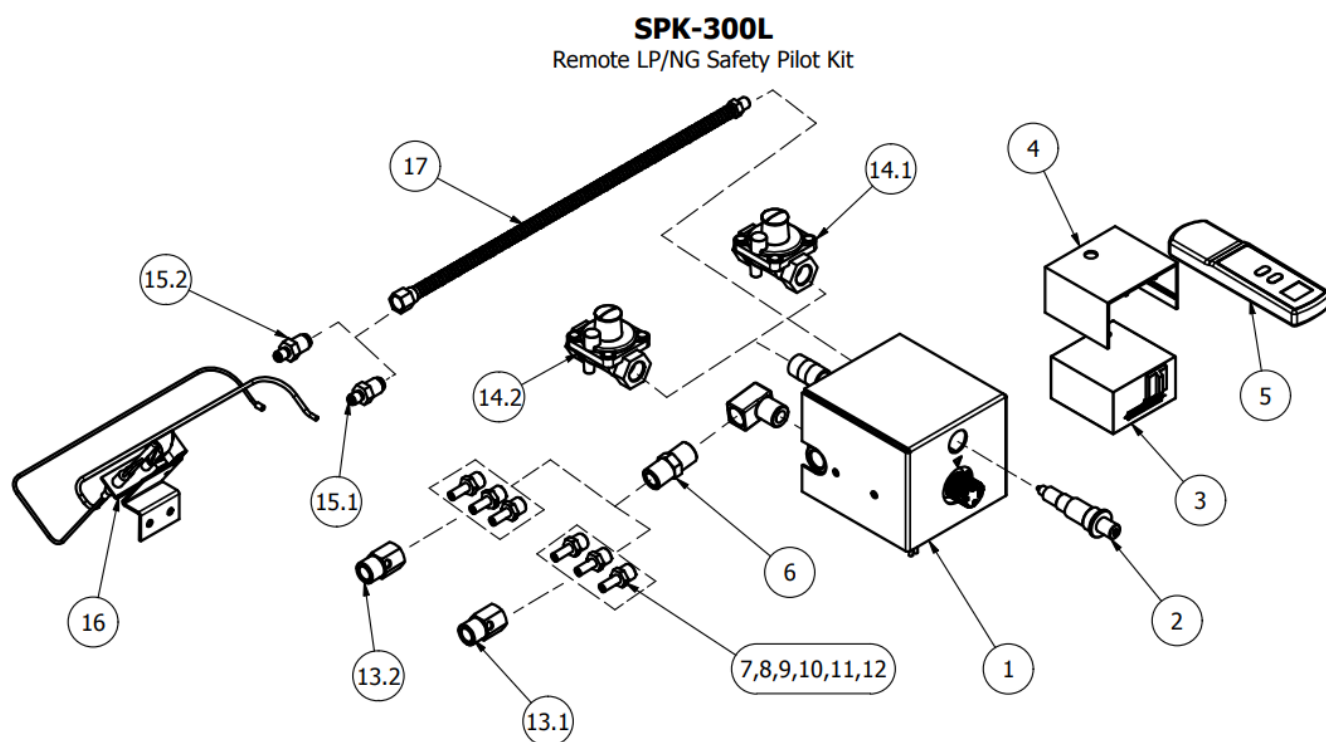


**SPK200L**

| ITEM NO. | DESCRIPTION               | QTY | PART NO.  |
|----------|---------------------------|-----|-----------|
| 1        | Control Knob GZ37-11      | 1   | 80-05-122 |
| 2        | Piezo Ignitor GZ37-09     | 1   | 80-05-121 |
| 3        | Control Valve Nut GS2A-11 | 1   | 80-05-114 |

|      |   |   |           |
|------|---|---|-----------|
| 4    | Heat Shield Bracket GZ34-02                   | 1 | 80-05-116 |
| 5    | Piezo Nut GZ34-09A                            | 1 | 80-05-117 |
| 6    | Brass Fitting, 3/8" NPT x 3/8" Flare -GZ34-13 | 1 | 80-05-119 |
| 7    | Control Valve GZ-26                           | 1 | 80-05-115 |
| 8    | Nipple GZ37-04                                | 1 | 80-05-120 |
| 9    | Orifice, 18" LP SPK200LP-18                   | 1 | 80-05-128 |
| 10   | Orifice, 24" LP SPK200LP-24                   | 1 | 80-05-129 |
| 11   | Orifice, 30" LP SPK200LP-30                   | 1 | 80-05-130 |
| 12   | Orifice, 18" NG SPK200N-18                    | 1 | 80-05-131 |
| 13   | Orifice, 24" NG SPK200N-24                    | 1 | 80-05-132 |
| 14   | Orifice, 30" NG SPK200N-30                    | 1 | 80-05-133 |
| 15.  | Pressure Regulator, LP GR-130A                | 1 | 80-05-113 |
| 15.1 | Pressure Regulator, NG GR-130                 | 1 | 80-05-112 |
| 16.2 | Air Shutter, LP SPK300-07                     | 1 | 80-05-134 |
| 16.3 | Air Shutter, NG SPK300N-02                    | 1 | 80-05-135 |

|      |                             |   |           |
|------|-----------------------------|---|-----------|
| 17.1 | Pilot Orifice, LP GZ37-15LP | 1 | 80-05-125 |
| 17.2 | Pilot Orifice, NG GZ37-15NG | 1 | 80-05-126 |
| 18   | Pilot Assembly GZ34-12      | 1 | 80-05-118 |
| 19   | Flex Pilot Line GZ37-16     | 1 | 80-05-127 |



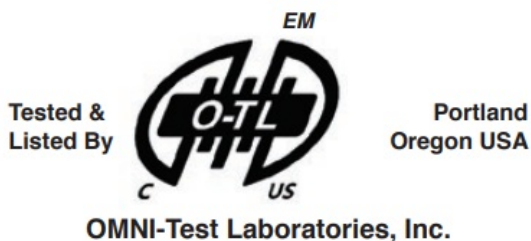
**SPK-300L**

| ITEM NO. | DESCRIPTION  | QTY | PART NO.  |
|----------|--|-----|-----------|
| 1        | Control Assembly GH03-3                              | 1   | 80-05-108 |
| 2        | Piezo Ignitor GZ37-09                                | 1   | 80-05-121 |
| 3        | Receiver Assy GH03-R                                 | 1   | 80-05-110 |
| 4        | Receiver Heat Shield GH03-HS                         | 1   | 80-05-109 |
| 5        | non-Thermostatic Transmitter (Remote Control) GH03-D | 1   | 80-05-111 |
| 6        | Brass Fitting, 3/8" NPT x 3/8" FlarE GZ37-13         | 1   | 80-05-124 |
| 7        | Orifice, 18" LP SPK200LP-18                          | 1   | 80-05-128 |
| 8        | Orifice, 24" LP SPK200LP-24                          | 1   | 80-05-129 |
| 9        | Orifice, 30" LP SPK200LP-30                          | 1   | 80-05-130 |
| 10       | Orifice, 18" NG SPK200N-18                           | 1   | 80-05-131 |
| 11       | Orifice, 24" NG SPK200N-24                           | 1   | 80-05-132 |
| 12       | Orifice, 30" NG SPK200N-30                           | 1   | 80-05-133 |
| 13.      | Air Shutter LP SPK300-07                             | 1   | 80-05-134 |
| 13.      | Air Shutter NG SPK300N-02                            | 1   | 80-05-135 |
| 14.      | Pressure Regulator, LP GR-130A                       | 1   | 80-05-113 |
| 14.      | Pressure Regulator, NG GR-130                        | 1   | 80-05-112 |
| 15.      | Pilot Orifice, LP GZ37-15LP                          | 1   | 80-05-125 |
| 15.      | Pilot Orifice, NG GZ37-15NG                          | 1   | 80-05-126 |
| 16       | Pilot Assembly GZ37-12                               | 1   | 80-05-123 |
| 17       | Flex Pilot Line GZ37-16                              | 1   | 80-05-127 |

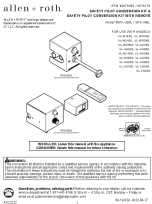
ANSI Z21.60-2017 / CSA 2.26-2017 – “Decorative gas appliances for installation in solid-fuel burning fireplaces”  
ANSI Z21.84-2017 – “Manually lighted, natural gas, decorative gas appliances for installation in solid-fuel burning appliances”



**Questions, problems, missing parts?** Before returning to your retailer, call our customer service department at 1-877-447-4768, 8:30 a.m. – 4:30 p.m., CST, Monday – Friday or email us at [customerservice@ghpgroupinc.com](mailto:customerservice@ghpgroupinc.com).



Documents / Resources

|   |  |
|---|--|
|  | <p><a href="#">allen roth SPK-200L Vented Gas Log Conversion Kit</a> [pdf] User Manual<br/>SPK-200L Vented Gas Log Conversion Kit, SPK-200L, Vented Gas Log Conversion Kit, Gas Log Conversion Kit, Log Conversion Kit</p> |
|---|--|

References

-  [p65Warnings.ca.gov](https://p65Warnings.ca.gov)