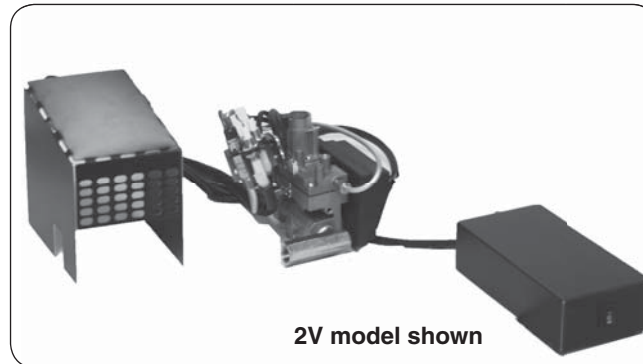


ELECTRONIC PILOT KIT

Models #
EPK-2V(P)
EPK-3V(P)



(Suitable for G4 and G45 series burners)

- **INTERMITTENT SPARK IGNITION PILOT**
- **REMOTE OR MANUAL OPERATION**
- **BATTERY OPERATION**
- **VARIABLE FLAME HEIGHT CONTROL**

EPK-2V/3V PILOT KITS

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:

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

Installation and service must be performed by an NFI Certified or other qualified professional installer, service agency, or the gas supplier.

INSTALLER & CONSUMER

These instructions **MUST** be retained with this appliance

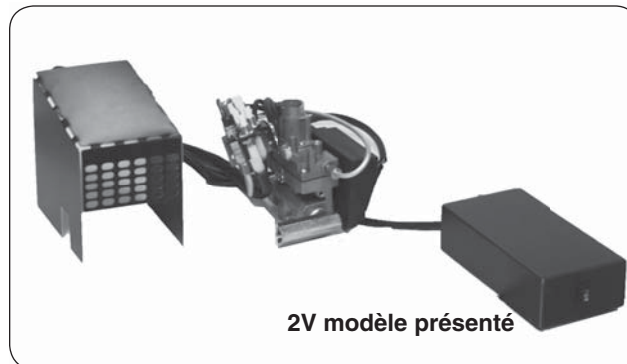
Important: Read these instructions carefully before starting installation of the burner control system.

The Peterson Real-Fyre® burner system is to be installed only in a solid-fuel-burning fireplace with a working flue constructed of noncombustible material. Solid fuels shall not be burned in a fireplace where the unit is installed. The installation, including provisions for combustion, ventilation air, and required minimum permanent vent opening, must conform with the *National Fuel Gas Code (ANSI Z223.1/NFPA 54)* and applicable local building codes. In Canada, the installation must conform with the *Natural Gas and Propane Storage and Handling Installation Code (CSA-B-149.1)*. A damper stop clamp is included to maintain the minimum permanent vent opening and to prevent full closure of the damper blade. **The chimney damper must be fixed fully opened when burning the unit. The burner system is designed to burn with yellow flames; thus, adequate ventilation is absolutely necessary.**



KIT PILOTE ELECTRONIQUE

**Modèles #
EPK-2V(P)
EPK-3V(P)**



(Convient pour les G4 et G45 brûleurs de la série)

- PILOTE D'ALLUMAGE INTERMITTENT SPARK
- FONCTIONNEMENT À DISTANCE OU MANUEL
- FONCTIONNEMENT SUR BATTERIE
- FLAMME VARIABLE CONTRÔLE DE HAUTEUR

EPK-2V/3V KITS DE PILOTES

AVERTISSEMENT

Si les informations contenues dans ce manuel ne sont pas suivies à la lettre, un incendie ou une explosion pourraient s'ensuivre, causant des dommages matériels, des blessures ou des pertes de vie.

Ne pas entreposer ni utiliser d'essence ou d'autres vapeurs et liquides inflammables à proximité de cet appareil ou de tout autre.

QUE FAIRE SI UNE ODEUR DE GAZ:

- Ouvrez une fenêtre.
- Ne pas tenter d'allumer d'appareil.
- Ne touchez à aucun interrupteur électrique; n'utilisez aucun téléphone dans le bâtiment.
- Appeler immédiatement le fournisseur de gaz à partir du téléphone d'un voisin et suivez les instructions du fournisseur de gaz.

Installation et l'entretien doivent être effectués par une personne certifiée NFI ou un autre installateur professionnel qualifié, une agence de service ou le fournisseur de gaz.

INSTALLATEUR ET DE CONSOMMATION

Ces instructions doivent être conservées avec l'appareil

Important: Lire attentivement ces instructions avant de commencer l'installation du système de contrôle du brûleur.

La Peterson réel Fyre système de brûleur® doit être installé uniquement dans un foyer à combustible solide qui brûle avec une cheminée de travail construite en matériaux incombustibles. Les combustibles solides ne doit pas être brûlé dans un foyer où l'appareil est installé. L'installation, y compris les dispositions pour la combustion, l'air de ventilation et d'aération minimale requise ouverture permanente, doivent être conformes au Code national du gaz combustible (ANSI Z223.1/NFPA 54) et aux codes du bâtiment locaux. Au Canada, l'installation doit être conforme avec le stockage de gaz naturel et propane et le code d'installation de manutention (CSA B-149.1). Un collier d'arrêt d'amortissement est inclus pour maintenir l'ouverture de ventilation minimum permanent et pour empêcher la fermeture complète du clapet. Le registre de cheminée doit être fixé complètement ouvert lors de la combustion de l'appareil. Le système de brûleur est conçu pour brûler avec des flammes jaunes; ainsi, une ventilation adéquate est absolument nécessaire.



We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

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IMPORTANT INFORMATION

CHECK TO BE SURE THAT THE PROPER FUEL GAS IS BEING USED WITH THIS PILOT KIT.

The installation, including provisions for combustion and ventilation air, must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code (ANSI Z223.1/NFPA 54).

This component and its individual shutoff valve must be disconnected from the gas-supply piping system when testing at pressures that exceed $1/2$ psig. This is accomplished by closing the gas-supply line valve.

This component must be isolated from the gas-supply piping system by closing its individual manual shutoff valve during any testing of the gas-supply system at test pressures up to and including $1/2$ psig.

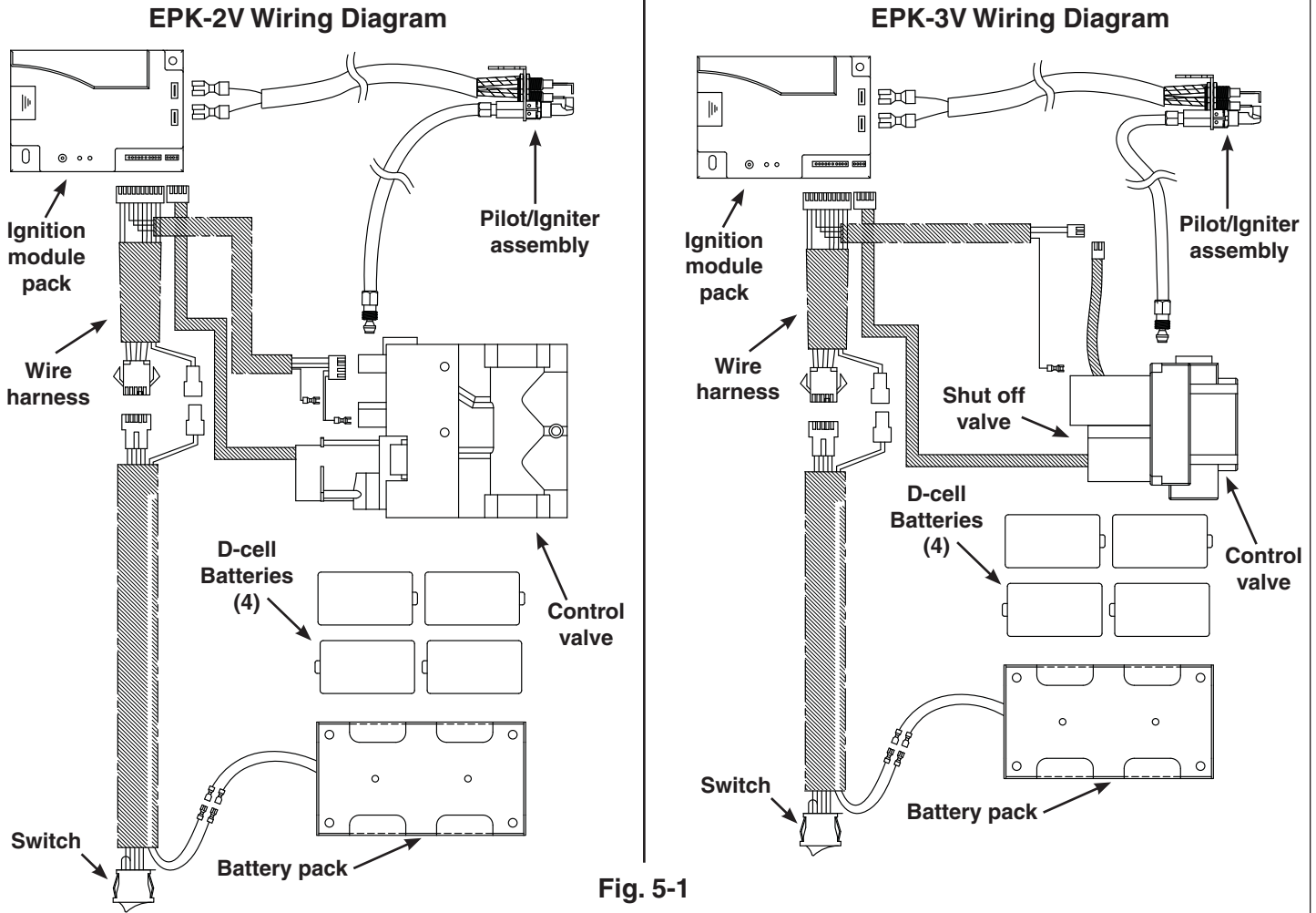
A fireplace screen must be in place when the gas burner system is in operation. Unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air.

WHEN GLASS FIREPLACE ENCLOSURES (DOORS) ARE USED, OPERATE THE BURNER SYSTEM WITH THE GLASS DOORS FULLY OPEN; BOTH SIDES IF THE FIREPLACE IS A SEE-THROUGH TYPE.

This appliance may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. Installation of appliances designed for manufactured homes or mobile homes must conform with *Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280* in the U.S.; or with *CAN/CSA Z240 MH* in Canada; or with *ANSI/NCSSBCS A225.1/NFPA 501A, Manufactured Home Installations Standard* when such a standard is not applicable.

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

WIRING DIAGRAM



SPECIFICATIONS

Minimum firebox dimensions required for burner system
(with EPK valve attached):

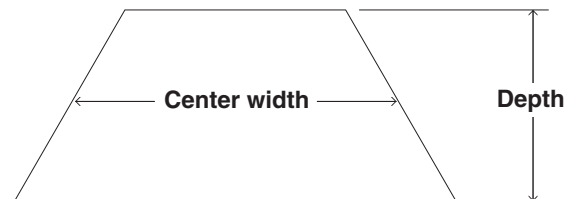
Burner size	Min. Firebox Dimensions			
	Center Width *		Depth	Height
	EPK-2V	EPK-3V		
16/19"	31"	39"	16"	18"
18/20"	32"	40"	16"	18"
24"	36"	44"	16"	18"
30"	42"	50"	16"	18"
36"	48"	56"	16"	18"
42"	54"	62"	16"	18"
48"	60"	68"	16"	18"
54"	66"	74"	16"	18"
60"	72"	80"	16"	18"

* This required width allows for centering of the log set.

Table 1 - Minimum Firebox Dimensions

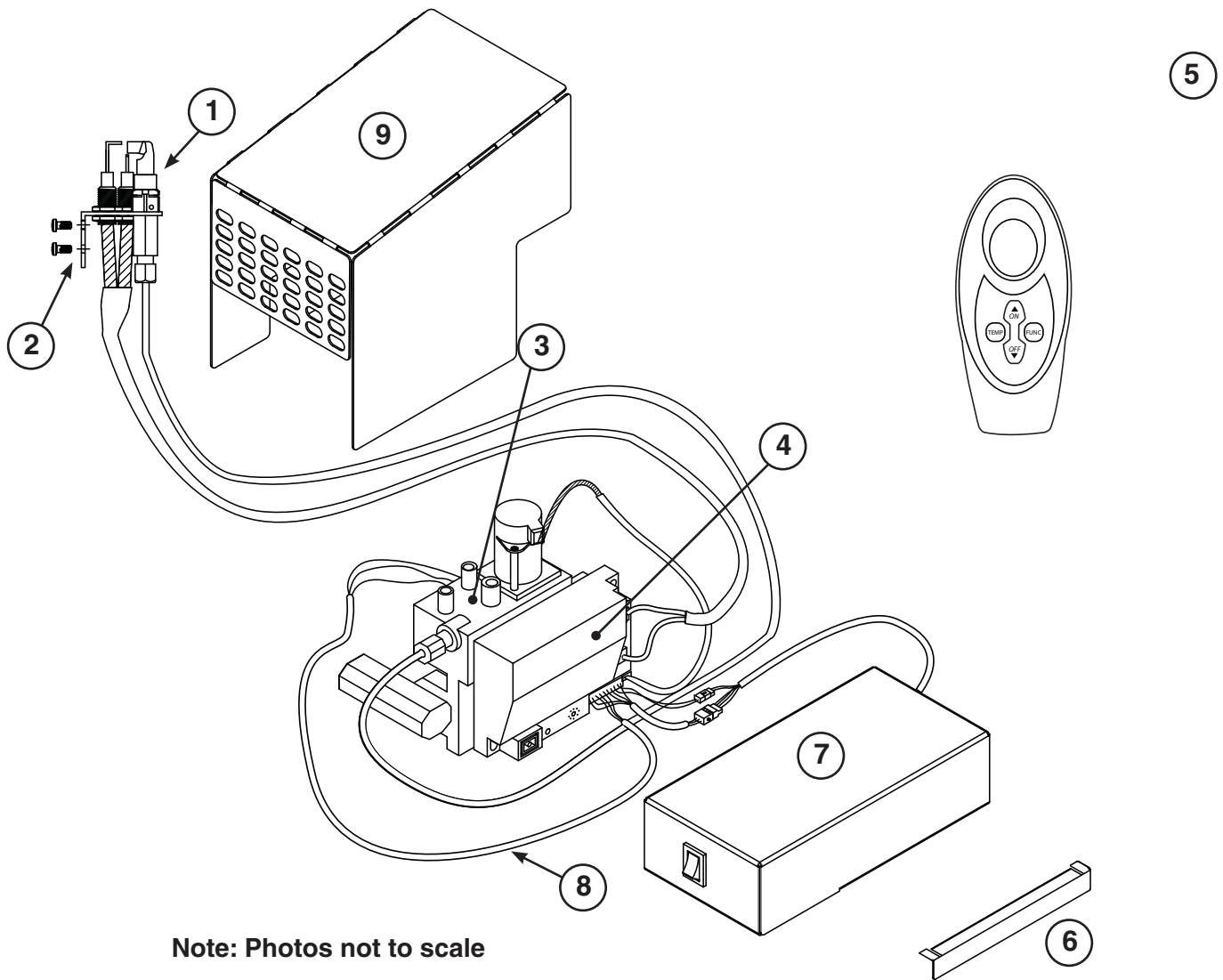
Model	Maximum BTUs
EPK-2V(P)	100,000
EPK-3V(P)	200,000

Table 2 - BTUs



REPLACEMENT PARTS LIST - 2V MODEL

DO NOT REMOVE THE PILOT/IGNITER ASSEMBLY FROM THE VALVE OR IGNITER PACK.

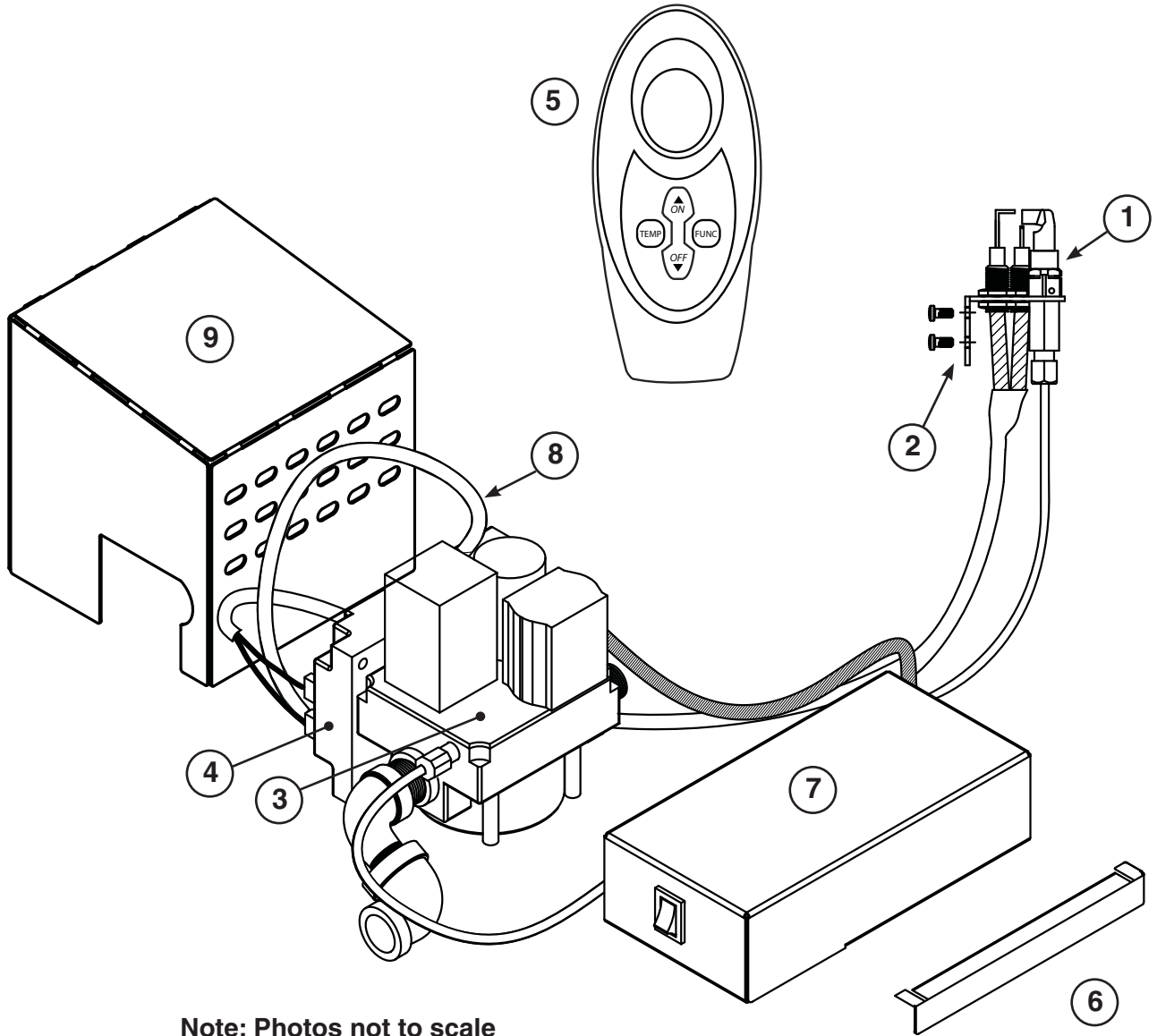


Note: Photos not to scale

Item	Description
1.	Pilot/igniter assembly (natural) or Pilot/igniter assembly (propane)
2.	Pilot mounting bracket kit
3.	Control valve (natural) or Control valve (propane)
4.	Ignition module pack
5.	Remote
6.	Flame diverter bracket
7.	Switch box (w/ switch, battery pack, and wire harness)
8.	Main wire harness
9.	Heat shield

REPLACEMENT PARTS LIST - 3V MODEL

DO NOT REMOVE THE PILOT/IGNITER ASSEMBLY FROM THE VALVE OR IGNITER PACK.



Note: Photos not to scale

Item	Description
1.	Pilot/igniter assembly (natural) or Pilot/igniter assembly (propane)
2.	Pilot mounting bracket kit
3.	Control valve (natural) or Control valve (propane)
4.	Ignition module pack
5.	Remote
6.	Flame diverter bracket
7.	Switch box (w/ switch, battery pack, and wire harness)
8.	Main wire harness
9.	Heat shield

INSTALLATION

This safety pilot system must be installed by a qualified professional service technician. Instructions must be followed carefully when installing to ensure proper performance and full benefit from the burner system and safety pilot system.

These instructions must be used as a supplement to the instructions supplied with the Peterson burner system. Follow the burner system instructions and make adjustments as appropriate for the addition of a safety pilot system. Use gas pipe sealing compound that is resistant to all gasses (or Teflon tape) and apply to all male pipe connections. Make sure that all connections are tight.

INSTALLATION

The valve system is shipped pre-assembled for easy installation onto the burner pan.

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

PREPARATION

If the burner that the valve system is to be added to is already installed; remove all decorative media, set aside to be reinstalled later, and disconnect the flex connector from the burner pan (using the instructions that came with the original burner).

INSTALL PILOT MOUNTING BRACKET

The pilot assembly comes with an L-shaped mounting bracket. Remove the two phillips screws holding the bracket in place, then use them to fasten the bracket to burner pan (short side toward the back of the pan) using the pre-drilled holes in the pan (see Fig. 8-1).

INSTALL THE VALVE

1. Apply gas pipe sealing compound (or Teflon tape) to the male end of the fuel injector or air mixer on the burner.
2. Attach the adapter (pre-assembled to valve) to the fuel injector or air mixer by screwing the pan onto the adapter (Fig. 8-2). Take care not to damage the attached pilot assembly when rotating the burner pan. Be sure all connections are tight.

Important: The rear of the valve may need to be angled slightly upward to allow for the pan to sit flat against the fireplace floor. Adjust as necessary.

INSTALL THE FLAME DIVERTER BRACKET

For installation on G4/G45 burners only. When properly installed onto the burner pan, the flame diverter bracket will promote quicker ignition and protect the safety control system from overheating.

Note: You must first install the flame diverter bracket before installing the pilot/igniter assembly. Use only the pilot/igniter assembly pre-assembled with this kit. Never substitute with an existing pilot.

1. Place the flame diverter bracket over the side edge of the burner pan, near the location the safety control system pilot bracket will be attached. It should be placed **approximately 2-1/2"** from the rear wall of the burner pan (see Fig. 8-3).

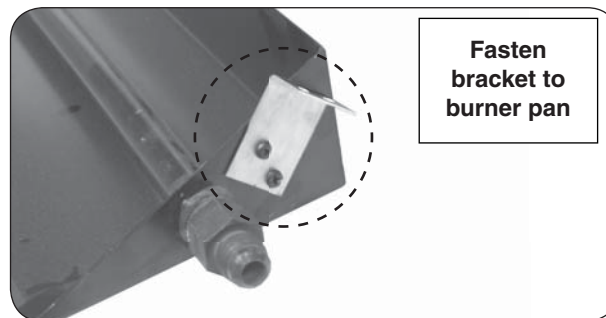


Fig. 8-1

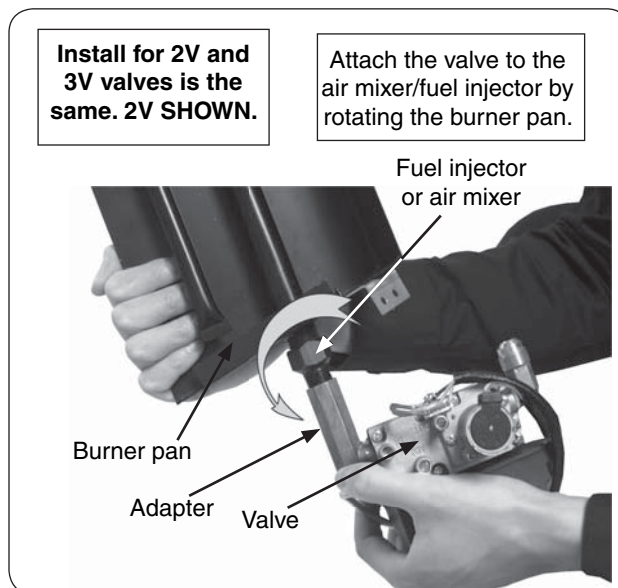


Fig. 8-2

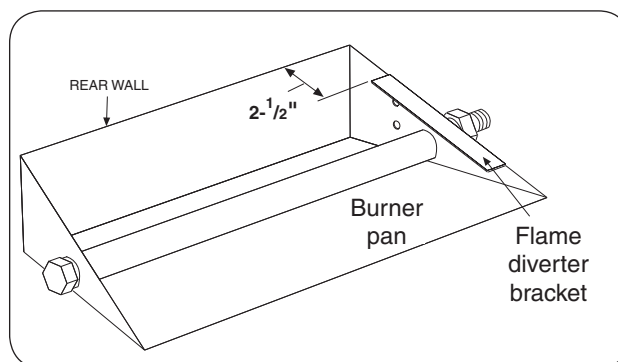


Fig. 8-3

INSTALLATION (Cont.)

2. Tap the bracket lightly with a hammer to secure it in place.

INSTALL THE PILOT/IGNITER ASSEMBLY TO THE BURNER

CAUTION: Do not kink or damage the pilot supply tube, sparking, and sensor probes. Do not unscrew the gas line from the valve.

1. Using the two (2) remaining screws, mount the pilot assembly onto the bracket (from below) and tighten until snug (Fig. 9-1). **Check to be certain the pilot hood and probes are situated above the edge of the pan. Adjust if necessary.**
2. The valve is shipped with the pilot supply tube bent in an ideal manner to prevent damage / unsafe operation, and to allow for proper heat shield placement. Maintain this orientation at all times (reference Fig. 9-2 or 9-3).

WARNING: Keep the pilot/igniter assembly clear at all times. Never cover any part of the pilot/igniter assembly.

CONNECT TO THE GAS SUPPLY

To connect the valve to the gas supply, the flex connector kit and component parts will be needed, which are included with the burner system. Refer to the PARTS LIST in the instructions supplied with the burner to identify the key parts needed.

1. **Be sure gas to the fireplace is off.** Apply gas pipe sealing compound (or Teflon tape) to the male end of the gas stub. Attach the adapter from the flex connector kit to the gas-supply stub in the fireplace.
2. Attach the flex connector to the elbow/adapter on the control valve (see Fig. 9-2 or Fig. 9-3). Use Teflon tape or pipe compound. Tighten securely. (Discard the smaller connector adapter from the connector kit, as this is not needed.)
3. Connect the flex connector to the adapter on the gas stub. Tighten both ends securely.
4. Follow the instructions supplied with the Peterson burner system for proper burner placement.

Note: The burner should be centered in the fireplace.

LEAK TEST

Turn on the fireplace gas supply, and test at all connections for leaks using the appropriate soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten at all connections. Repeat until no leaks are present. If a leak persists, turn off the gas supply and contact the local gas company or dealer.

NEVER USE A FLAME TO CHECK FOR LEAKS.

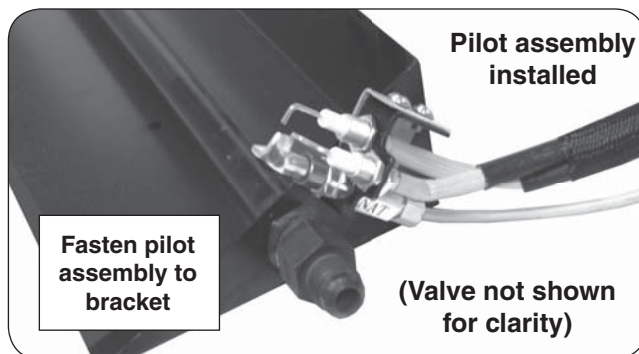


Fig. 9-1

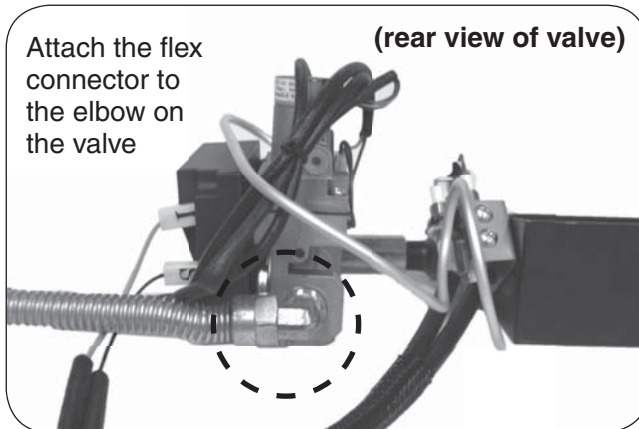


Fig. 9-2 2V models: Attach flex to valve

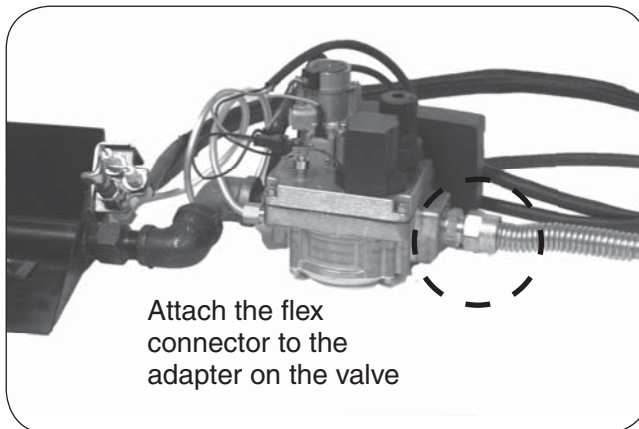


Fig. 9-3 3V models: Attach flex to valve

INSTALLATION (Cont.)

INSTALL/REPLACE REMOTE TRANSMITTER BATTERY

CAUTION: ENSURE THE UNIT IS CONNECTED TO THE GAS LINE AND HAS BEEN TESTED FOR LEAKS BEFORE YOU INSERT BATTERIES.

To access the battery, slide open the lid found on the back of the remote transmitter. Replace the old batteries with 3 new "AAA" batteries. Re-secure the lid.

INSTALL/REPLACE SWITCH BOX BATTERIES

To access the batteries, locate the switch box and turn it over. Use a Phillips screwdriver to remove the screw found on the back of the switch box, then remove the battery compartment. Replace the old batteries with 4 new "D" batteries. (See Fig. 10-1.)

When battery replacement is complete; properly place the switch box in the the fireplace as instructed in this manual.

Important: Low/dead batteries will affect burner system operation. Replace batteries any time the burner will not turn on.

HEAT SHIELD PLACEMENT

Cover the valve with the heat shield as shown in Fig. 10-2 or Fig. 10-3. **The heat shield must remain in place over the valve at all times during operation.** Keep the area above the heat shield clear of decorative media or any other object.

Important: Ensure the pilot supply tube does not interfere with heat shield placement. For 2V models, the tube will come out of the rear and coil back to the pilot. For 3V models, the tube will come out of the left side of the heatshield and coil to the pilot.

SWITCH BOX PLACEMENT

Place the switch box outside of the firebox and a minimum of 6" from the burner/flame. If the switch box is in the firebox, the switch box must only be oriented as shown in Fig. 10-4. The switch box must not be placed in the rear of the fireplace, or in any other manner than shown in Fig. 10-4. Set the box on its side and place the bottom of the box toward the right firebox wall (box must be a minimum of 6" from the burner/flame). Be sure that the pilot and valve wire bundles remain clear of the burner, valve, and heat shield at all times.

CAUTION: THE SWITCH BOX MAY BE HOT DURING AND AFTER OPERATION.

DECORATIVE MEDIA REPLACEMENT

Refer to the burner instructions for proper replacement of decorative media.

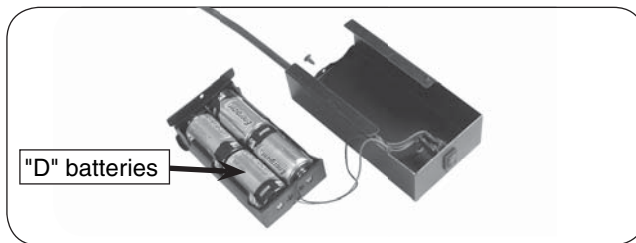


Fig. 10-1

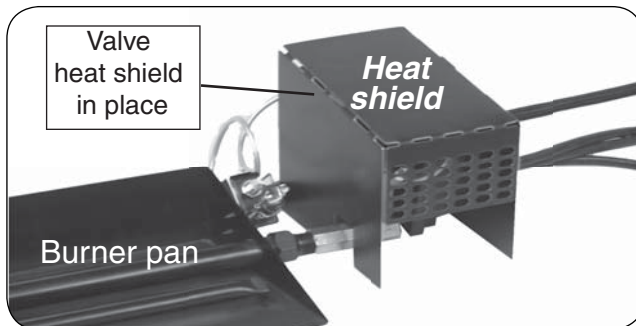


Fig. 10-2 2V models: Place heat shield

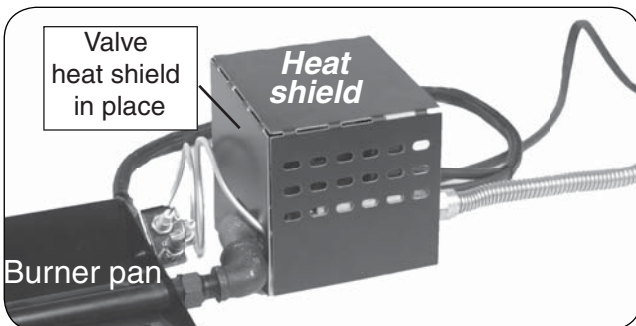
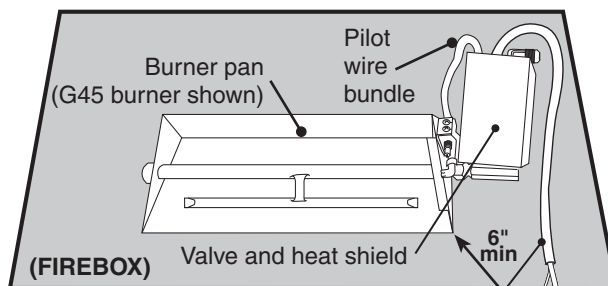


Fig. 10-3 3V models: Place heat shield

SWITCH BOX PLACEMENT (EPK-2V shown here)



Wire bundles go around the valve and away from the burner.

Valve wire bundle
Switch box

IF SWITCH BOX IS INSIDE FIREBOX; ORIENT ONLY AS SHOWN BELOW:

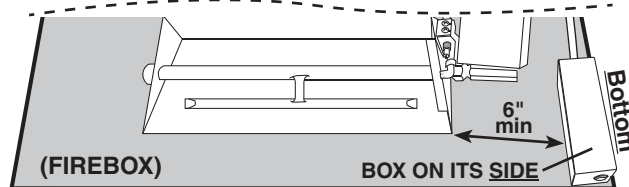


Fig. 10-4 Place switch box

LIGHTING INSTRUCTIONS

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 is equipped with an ignition device that automatically lights the pilot. **DO NOT** attempt to light the pilot by hand.
- B. BEFORE OPERATING**, 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 light any appliance.
 - Do not touch any electric 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 the supplied standing pilot toggle switch or the control/remote system components to light the pilot. This valve will not operate if the pilot is not lit and stable.
- 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. Attempted operation may result in fire or explosion resulting in property damage, personal injury or loss of life.

REMOTE LIGHTING

CAUTION: DO NOT attempt to light the pilot by hand.

Note: Step 1 may not be required if previously done during an earlier lighting.

1. Locate the 3-position switch on the switch box (see Fig. 11-1). Press the switch to the **REMOTE** position.
2. Locate the remote transmitter and press the ON button (see Fig. 11-2). The ignition sequence will begin.

The remote receiver will emit an audible "beep"; then the igniter will begin to spark. After the pilot lights and is established, the valve will automatically open and the burner will light. Adjust to the desired setting(s) with the remote transmitter. See the REMOTE OPERATING INSTRUCTIONS section for details.

Note: The ignition sequence will take approximately 5 seconds.

WARNING: If the pilot fails to light within 10 seconds, press the OFF button on the remote transmitter or move the switch to the OFF position to turn OFF the system. Allow five (5) minutes for any gas in the unit to dissipate, then repeat step 2 above. **IF YOU SMELL GAS, SEE STEP B ABOVE.**

If the pilot fails to light after several tries, turn all control/remote system components to **OFF** and contact a qualified professional service technician.

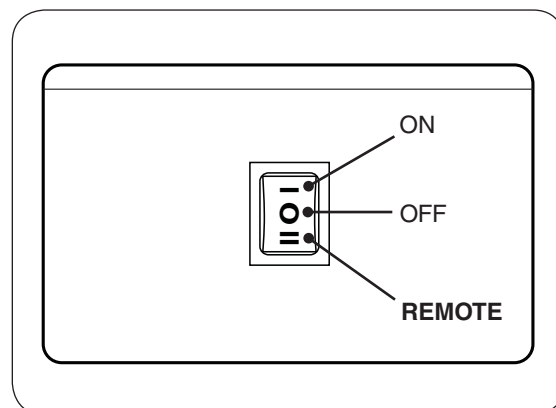


Fig. 11-1 Switch box, switch detail

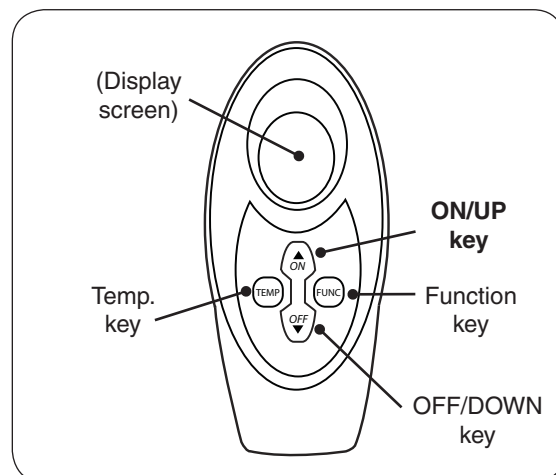


Fig. 11-2 Remote transmitter detail

INSTRUCTIONS D'ALLUMAGE

POUR VOTRE SÉCURITÉ LISEZ AVANT D'ALLUMER

AVERTISSEMENT: Si vous ne suivez pas ces instructions à la lettre, un incendie ou une explosion entraînant des dommages matériels, des blessures ou des pertes de vie.

A. Cet appareil est équipé d'un dispositif d'allumage qui allume automatiquement la veilleuse. **NE PAS** essayer d'allumer la veilleuse manuellement.

B. AVANT D'UTILISER, Sentez tout autour de l'appareil pour le gaz. Assurez-vous de sentir près du plancher, car certains gaz sont plus lourds que l'air et se déposent sur le sol.

QUE FAIRE SI UNE ODEUR DE GAZ

- Ne pas allumer l'appareil.
- Ne touchez à aucun interrupteur électrique; n'utilisez aucun téléphone dans votre bâtiment.
- Appelez immédiatement votre fournisseur de gaz à partir du téléphone d'un voisin. Suivez les instructions du fournisseur de gaz. Si vous ne pouvez joindre votre fournisseur de gaz, appeler les pompiers.

C. Utilisez uniquement le commutateur à bascule fourni veilleuse permanente ou la commande / composants du système à distance pour allumer la veilleuse. Cette vanne ne fonctionne pas si le pilote n'est pas allumé et stable.

D. Ne pas utiliser cet appareil si une partie quelconque a été submergée. Appelez immédiatement un technicien de service qualifié pour inspecter l'appareil et pour remplacer toute pièce du système de contrôle et toute commande de gaz qui a été sous l'eau. Tentative d'opération peut entraîner un incendie ou une explosion entraînant des dommages matériels, des blessures ou des pertes de vie.

DISTANCE DE L'ÉCLAIRAGE

ATTENTION: NE PAS essayer d'allumer la veilleuse manuellement.

Note: Step 1 may not be required if previously done during an earlier lighting.

1. Localisez le commutateur à 3 positions sur le boîtier de commande (voir Fig. 12-1). Appuyez sur l'interrupteur à la position REMOTE.
2. Localisez la télécommande et appuyez sur le bouton ON (voir Fig. 12-2). La séquence d'allumage commencera.

Le récepteur de la télécommande émettra un "bip" sonore, puis l'allumeur commence à susciter. Après les veilleuses et est établie, la vanne s'ouvre automatiquement et le brûleur s'allume. Choisissez le réglage souhaité (s) avec la télécommande. Voir la section **INSTRUCTIONS DE FONCTIONNEMENT A DISTANCE** pour plus de détails.

Note: La séquence d'allumage dure environ 5 secondes.

AVERTISSEMENT: Si le pilote ne s'allume pas dans les 10 secondes, appuyez sur le bouton OFF de la télécommande ou déplacez l'interrupteur à la position OFF pour éteindre le système. Attendez cinq (5) minutes pour n'importe quel gaz dans l'unité à se dissiper, puis répétez l'étape 2 ci-dessus. **S'IL YA UNE ODEUR DE GAZ, voir l'étape B CI-DESSUS.**

Si le pilote ne s'allume pas après plusieurs essais, tournez tout contrôle / composants du système à distance sur OFF et contactez un technicien qualifié.

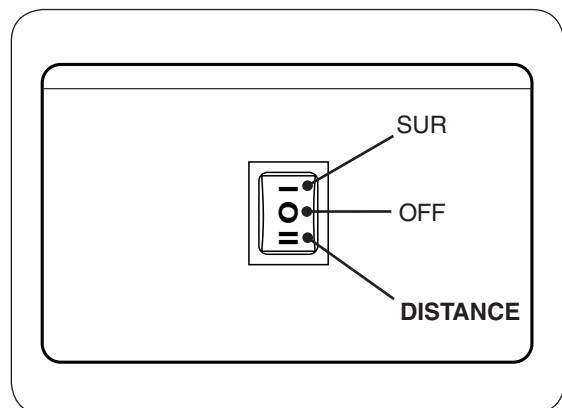


Fig. 12-1 Boîte de contrôle, détail interrupteur

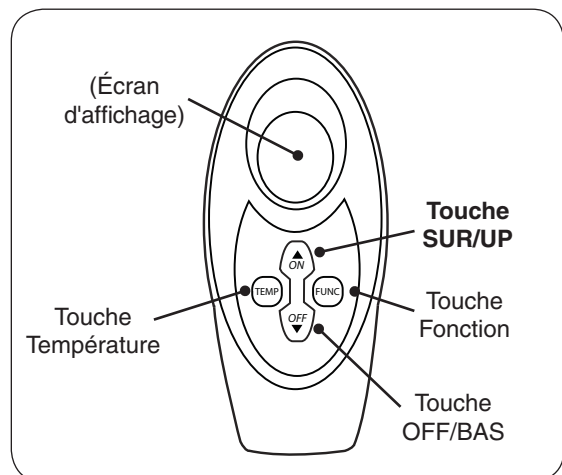


Fig. 12-2 Détail télécommande

MANUAL LIGHTING

CAUTION: DO NOT attempt to light the pilot by hand.

1. Locate the 3-position switch on the switch box (see Fig. 13-1). Press the switch to the **ON** position.

The remote receiver will emit an audible "beep"; then the igniter will begin to spark. After the pilot lights and is established, the valve will automatically open and the burner will light.

Note: The ignition sequence will take approximately 5 seconds.

WARNING: If the pilot fails to light within 10 seconds, turn **OFF** the system. Allow five (5) minutes for any gas in the unit to dissipate, then repeat step 2 above. **IF YOU SMELL GAS, SEE STEP B ABOVE.**

If the pilot fails to light after several tries, turn the system **OFF** and contact a qualified professional service technician.

Note: In manual mode, the remote transmitter will not operate the burner system.

PILOT APPEARANCE

Periodically check the pilot for proper flame pattern. The pilot flame should encircle the generator tip, and is preset at the factory (see Fig. 13-2).

If the pilot flame burns incorrectly; shut down completely and contact a qualified professional service technician.

SHUTTING DOWN

- **For a remote shut down**, press the OFF button on the remote transmitter.
- **For a manual shutdown (or if your remote is lost)**, press the switch on the switch box to the **OFF** position.

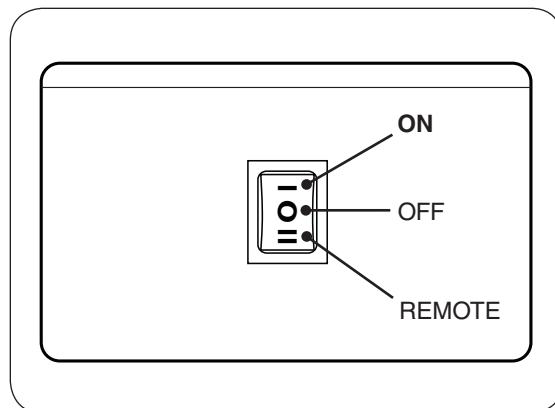


Fig. 13-1 Switch box, switch detail

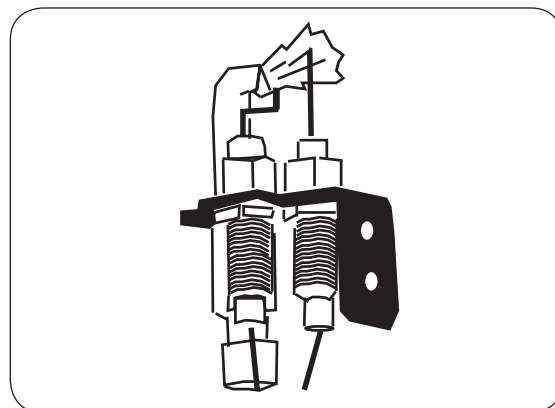


Fig. 13-2 Proper pilot flame

ALLUMAGE MANUEL

ATTENTION: NE PAS essayer d'allumer la veilleuse manuellement.

1. Localisez le commutateur à 3 positions sur le boîtier de commande (voir Fig. 14-1). Appuyez sur l'interrupteur sur la position ON.

Le récepteur de la télécommande émettra un "bip" sonore, puis l'allumeur commence à susciter. Après les veilleuses et est établie, la vanne s'ouvre automatiquement et le brûleur s'allume.

Note: La séquence d'allumage dure environ 5 secondes.

WARNING: Si le pilote ne s'allume pas dans les 10 secondes, éteignez le système. Attendez cinq (5) minutes pour n'importe quel gaz dans l'unité à se dissiper, puis répétez l'étape 2 ci-dessus. S'IL YA UNE ODEUR DE GAZ, voir l'étape B CI-DESSUS.

Si le pilote ne s'allume pas après plusieurs essais, mettez le système hors tension et contactez un technicien qualifié.

Note: En mode manuel, la télécommande ne fonctionne pas du système de brûleur.

ASPECT PILOTE

Vérifiez périodiquement le pilote pour le modèle de la flamme. La flamme de la veilleuse devrait encadrer la pointe du générateur, et est préréglé en usine (voir Fig. 14-2).

Si la flamme de la veilleuse brûle mal; complètement arrêté et contacter un technicien de service qualifié.

ÉTEINDRE

- Pour un arrêt à distance, appuyez sur le bouton OFF de la télécommande.
- Pour un arrêt manuel (ou si votre télécommande est perdue), appuyez sur l'interrupteur sur le boîtier de commande à la position OFF.

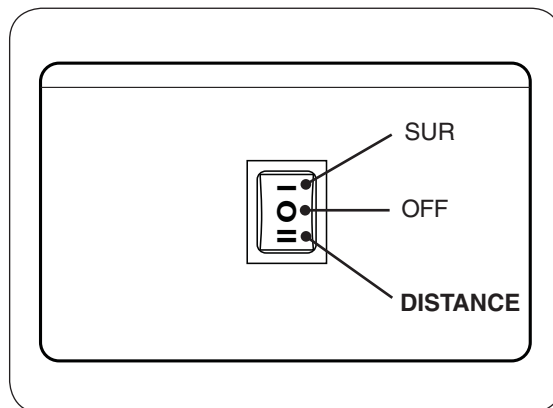


Fig. 14-1 Boîte de contrôle, détail interrupteur

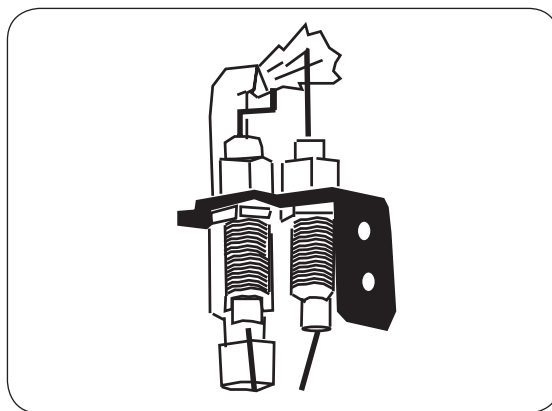


Fig. 14-2 Une bonne flamme de la veilleuse

REMOTE OPERATING INSTRUCTIONS

ORIENTATION

Prior to remote transmitter use, light the appliance per the REMOTE LIGHTING section. The remote will only operate the burner system in remote mode. Familiarize yourself with the transmitter keys and display, as illustrated in Fig. 15-1 and Fig. 15-2.

Identify the four transmitter keys:

- **ON/OFF KEYS:** These keys turn the system ON or OFF.
- **FUNCTION KEY:** This key, when the system is on, will toggle between the selection of two modes: Flame Height and Timer.
- **TEMP KEY:** This key, when the system is on, is used to set the desired temperature via the Thermostat mode.
- **UP/DOWN KEYS:** In Flame Height, Timer, Or Thermostat mode, the ON/OFF keys become UP/DOWN keys to increase or decrease the Flame Height, Timer amount, or Set Point Temperature.

The display will show all active icons on the screen.

FLAME HEIGHT

Five flame height levels are available. Press the Function key to index to the Flame Height mode. A number 1 - 5 will be displayed at the bottom of the screen. See Fig. 15-3 Pressing the Up/Down keys once will increase/decrease the flame height by 1 of 5 increments.

TIMER

In Timer Mode, the unit will remain functioning until the set amount of time has expired. Press the Function key to index to the Timer mode. Pressing the Up/Down keys once in this mode will increase/decrease the set time in increments of 10 minutes. See Fig. 15-4.

To turn off the timer mode press the OFF key. This will turn off the unit.

THERMOSTAT

In Thermostat Mode, the unit will remain functioning until the room temperature increases 4°F above the Set Point Temperature. It will turn back on at 4°F below the Set Point Temperature. Press the Temp key so the Set Temperature is displayed (bottom of screen). See Fig. 15-5. Pressing the Up/Down keys once in this mode will increase/decrease the set temperature. Note that the temperature display on the top of the screen is the room temperature according to the remote transmitter.

Note: The system remains in operation while the remote is in Thermostat Mode, and the flame will only turn on and off according to the set temperature.

The unit cannot be manually turned on or off unless the Thermostat Mode is exited via the Temp button.

TEMPERATURE INDICATOR (°F or °C)

The temperature can be displayed in °F or °C. When you first install the batteries, the temp indicator at the top of the screen will be flashing. Use the Up/Down keys to switch between °F or °C.

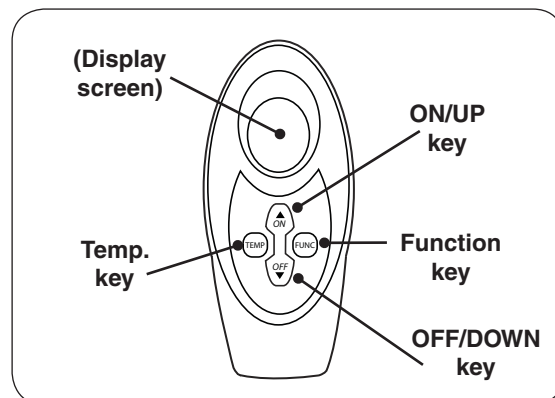


Fig. 15-1 Remote transmitter detail

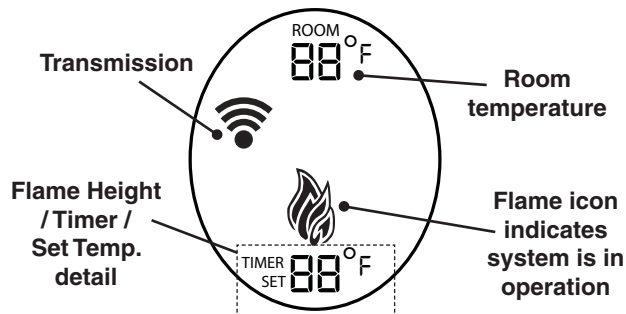


Fig. 15-2 Remote display detail

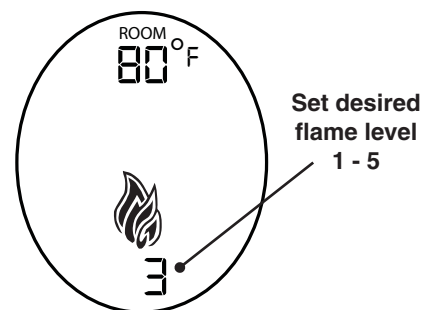


Fig. 15-3 Flame height detail

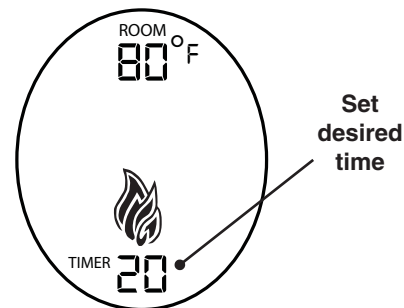


Fig. 15-4 Timer detail

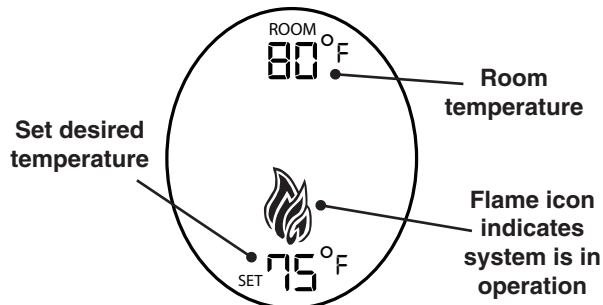


Fig. 15-5 Thermostat detail

ORIENTATION

Avant la première utilisation télécommande, allumez l'appareil pour la section d'éclairage à distance. La télécommande ne fonctionne le système de brûleur en mode distant. Familiarisez-vous avec les touches de l'émetteur et de l'affichage, comme illustré dans la Fig. 16-1 Et Fig. 16-2.

Identifier les touches de l'émetteur quatre:

- **SUR/OFF TOUCHES:** Ces touches tourner le système sur SUR ou OFF.
- **TOUCHE FONCTION:** Cette touche, lorsque le système est activé, permet de basculer entre la sélection de deux modes: Hauteur de flamme et de la minuterie.
- **TOUCHE TEMPERATURE:** Cette touche, lorsque le système est activé, est utilisé pour régler la température désirée via le mode thermostat.
- **UP/BAS TOUCHES:** Dans la hauteur des flammes, Minuteur, Thermostat Ou le mode, la touche ON / OFF touches deviennent touches HAUT / BAS pour augmenter ou diminuer la hauteur de la flamme, le montant minuterie, ou la température de point de consigne.

L'écran affichera toutes les icônes actives sur l'écran.

HAUTEUR DE LA FLAMME

Cinq niveaux de hauteur de flamme sont disponibles. Appuyez sur la touche de fonction à l'index en mode hauteur de la flamme. Un certain nombre de 1 à 5 apparaît au bas de l'écran. Voir Fig. 16-3 Clés les touches Haut / Bas fois pour augmenter/diminuer la hauteur de la flamme par 1 de 5 incréments.

MINUTEUR

En mode chronomètre, l'unité restera jusqu'à ce que le fonctionnement montant fixé de temps a expiré. Appuyez sur la touche de fonction à l'index de la mode minuterie. En appuyant sur les touches Haut / Bas fois dans ce mode pour augmenter / diminuer l'heure réglée par incréments de 10 minutes. Voir Fig. 16-4.

Pour désactiver le mode de minuterie appuyez sur la touche OFF. Cela permettra d'éteindre l'appareil.

THERMOSTAT

En mode thermostat, l'unité restera fonctionne jusqu'à ce que la température ambiante augmente de 4°F au dessus de la température de consigne. Il se remettra en marche à 4°F en dessous de la température de consigne. Appuyez sur la touche Temp de sorte que la température de consigne est affichée (en bas de l'écran). Voir Fig. 16-5. En appuyant sur les touches Haut/Bas fois dans ce mode pour augmenter/diminuer la température de consigne. Notons que l'affichage de la température en haut de l'écran est la température ambiante en fonction de la télécommande.

Note: Le système continue de fonctionner alors que la télécommande est en mode thermostat, et la flamme ne s'allume et s'éteint en fonction de la température de consigne.

L'appareil ne peut être manuellement activé ou désactivé à moins que le mode thermostat est sorti via le bouton Temp.

TEMPERATURE INDICATOR (°F or °C)

La température peut être affichée en °F ou °C. Lorsque vous installez les piles, l'indicateur de température dans la partie supérieure de l'écran se met à clignoter. Utilisez les touches Haut / Bas pour basculer entre °F ou °C.

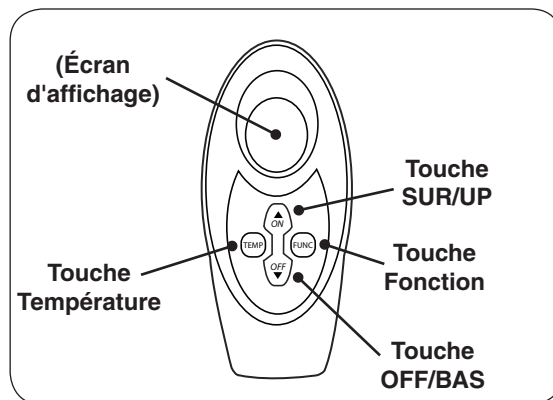


Fig. 16-1 Détail télécommande

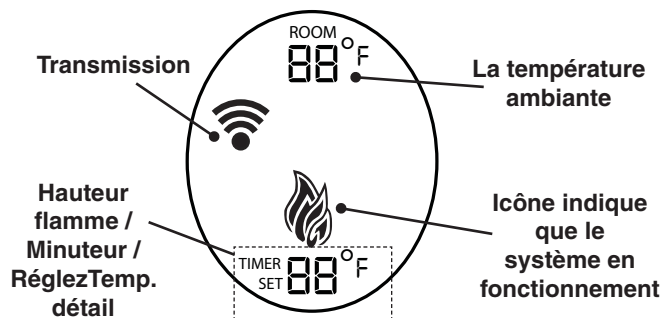


Fig. 16-2 Détail d'affichage à distance

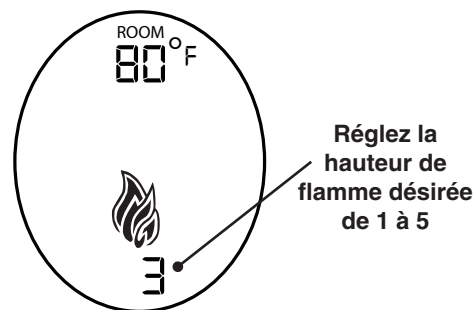


Fig. 16-3 Détail hauteur de la flamme

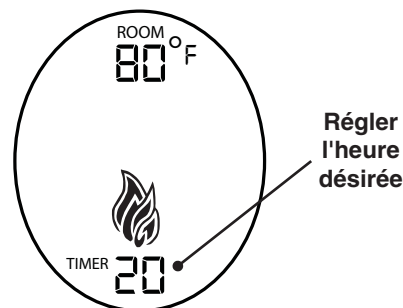


Fig. 16-4 Détail minuterie

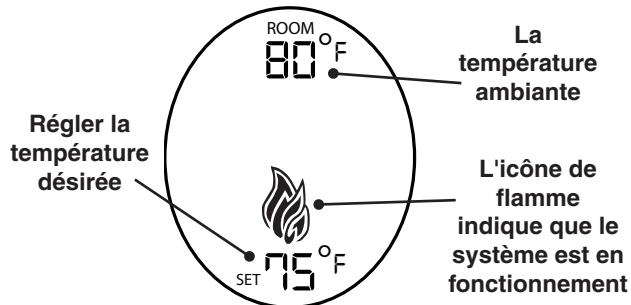


Fig. 16-5 Thermostat détail

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
1. Pilot will not light	a. Obstruction in pilot gas supply or pilot gas-supply line is kinked b. Inadequate gas supply c. Air in line d. Gas is shut off on control valve (3V models only)	a. Clear out obstruction. Replace pilot gas-supply line if kinked b. Have gas pressure checked by installer or gas supplier c. Air should clear; attempt to relight d. Turn on valve (3V models only)
2. No spark at pilot	a. Loose wires b. Dead batteries c. Faulty switch or remote (if equipped)	a. Check all wires are securely in place b. Replace batteries c. Replace the switch box unit or remote system as appropriate
3. Pilot lights, but main burner will not	a. Loose or broken connector wires b. Batteries too low for voltage output c. Defective valve	a. Check and replace if necessary b. Replace with new ones c. Replace valve
4. Log set not burning properly	a. Low flame/uneven flame	a. Check for low gas pressure; should have operating pressures of 7" w.c. for natural gas, 11" w.c. for propane at manifold b. Burner should be filled completely with sand or vermiculite
5. Log set shuts down during operation	a. Glass doors closed, causing excessive heat buildup b. Pilot electrode not properly set to pilot location c. Heat shield not in place	a. Open glass doors b. See INSTALL THE PILOT ASSEMBLY TO THE BURNER section c. Place heat shield over valve. Be sure the solid black face of the shield is between the valve and the burner
6. Intermittent ignitor spark during use (main burner has been burning for well over a minute).	a. Embers or sand covering pilot assembly	a. Clear all foreign material from around the pilot assembly
7. Remote control not functioning	a. Low/dead batteries b. No gas flow to the valve c. Remote too far from receiver d. Spark ignition interfering with remote signal	a. Check and replace b. Check gas supply to valve c. Move remote closer to receiver d. Move remote closer to receiver

Periodically inspect the pilot assembly and valve controls and maintain them free of obstruction or debris. If the pilot flame is not blue with possibly yellow tips and does not impinge on the electrodes or if the pilot does not stay lit, contact a qualified professional service technician to service the pilot system.

SYNCING THE REMOTE

The ignition module pack has a pinhole sync button located next to the LED light (see Fig. 17-1). Simultaneously press the sync button with a paperclip or similar object and the "ON" button on the remote.

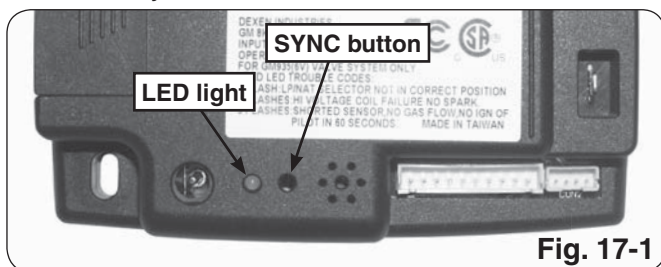


Fig. 17-1

The codes below are a guide if the ignition module pack is flashing the red LED lights:

RED LED TROUBLE CODES	
1 Flash	Nat/LP selector not in correct position
2 Flashes	HI voltage coil failure, no spark
3 Flashes	Shorted sensor, no gas flow, no ignition of pilot in 60 seconds

Please use this page to record any information that you may want to have at hand.

Detail A

Electrode (A)

When adjusting the spark electrode (if necessary); NEVER adjust the electrode by bending the wire. ALWAYS adjust the electrode by loosening the retainer nut(s), then adjust accordingly.

The minimum gap between the spark electrode/sensor electrode and the pilot flame hood is 1/8". The maximum is 5/32".

If the electrode ceramic is loose in the threaded barrel; the pilot assembly must be replaced.

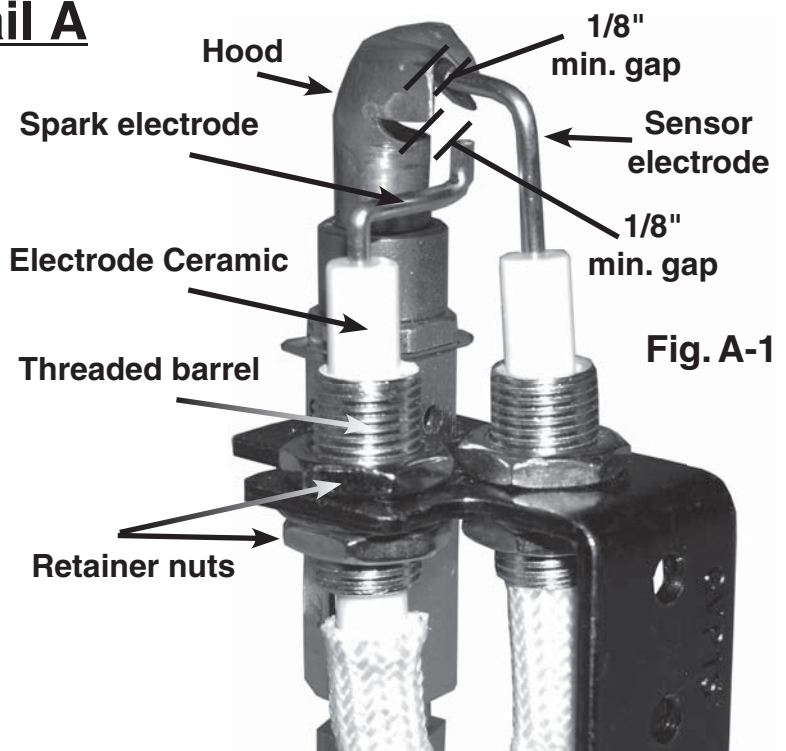


Fig. A-1

Detail B

Terminal Connections (B)

All of the connections on the control module must be properly attached. If the spade terminals are loose; inspect to ensure they correctly appear as detailed below. Use needle nose pliers to clamp down on the center/sides of the terminals if needed (to provide a tight fit.)

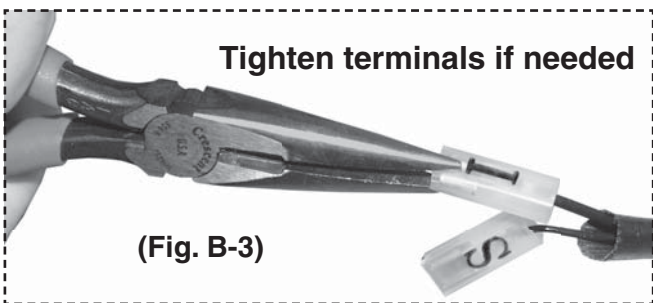
Spade Terminal Detail



Ensure that spade terminals (S and I) are attached securely

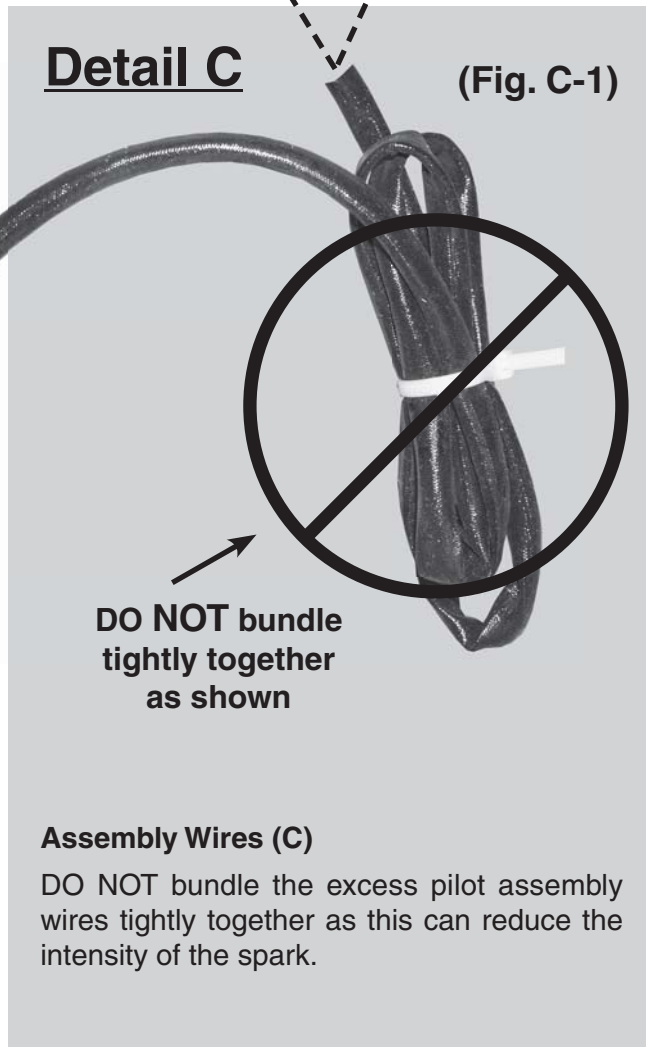
Ensure that multi-wire connector is properly locked in place

Control Module (DESIGN MAY VARY) (Fig. B-2)



Detail C

(Fig. C-1)



DO NOT bundle tightly together as shown

Assembly Wires (C)

DO NOT bundle the excess pilot assembly wires tightly together as this can reduce the intensity of the spark.

WARRANTY

PETERSON VENTED DECORATIVE GAS APPLIANCE LIMITED WARRANTY

All Peterson gas logs are **WARRANTED for as long as you own them (lifetime)**.

All Peterson burner assemblies are **WARRANTED for TEN (10) YEARS**.

All Peterson glass is **WARRANTED for FIVE (5) YEARS**.

SPK-26 controls are covered by a **THREE (3) YEAR "All Parts" Warranty**.

APK-17 controls are covered by a **TWO (2) YEAR "All Parts" Warranty**.

All other Peterson valves, pilots, and controls are covered by a **ONE (1) YEAR Limited Warranty (excluding batteries)**.

PLEASE KEEP A COPY OF YOUR SALES SLIP FOR PROOF OF PURCHASE

This warranty applies to the original purchaser and to single family residential use only. It commences from date of purchase, and is valid only with proof of purchase.

This warranty does not cover parts becoming defective through misuse, accidental damage, electrical damage, improper handling, lack of routine maintenance, storage, and/or installation. Product must be installed (and gas must be connected) as specified in the instructions or operator's manual, by a **qualified professional installer**. Accessories, parts, valves, remotes, etc., when used must be Peterson Co. product.

This warranty **does not** apply to rust, corrosion, oxidation, or discoloration, unless the affected component becomes inoperable. It **does not** cover labor or labor-related charges.

This warranty specifically excludes liability for **indirect, incidental, or consequential damages**. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specified legal rights, and you may have other rights that may vary from state to state.

For additional information regarding this warranty, or to place a warranty claim, contact the R.H. Peterson dealer where the product was purchased.

**TO REGISTER YOUR PRODUCT ONLINE GO TO: WWW.RHPETERSON.COM,
AND CLICK ON PRODUCT REGISTRATION. THANK YOU FOR YOUR PURCHASE.**

Quality Check		Date: _____	
Leak Test: _____	Burn Test: _____	Gas Type:	Nat. / L.P.
Inspector: _____			