

**PILOT GAS CONNECTION**

CSA: 7/16-24 UNS for 1/4" or 3/16" tubing

**THERMOCOUPLE/INTERRUPTER BLOCK**

11/32-32 UNS, M10x1, M9x1, M8x1

**AMBIENT TEMPERATURE RANGE**

Combination control: 32°F to 176°F (0°C to 80°C)

Latching solenoid valve: 32°F to 176°F (0°C to 80°C)

Receiver RF without batteries: 176°F (80°C)

Receiver RF with batteries: 131°F (55°C)

Receiver infrared with/without batteries: 131°F (55°C)

Handset: 140°F (60°C)

Wall switch/Touchpad: 176°F (80°C)

Switch panel: 221°F (105°C)

Module: 176°F (80°C)

Ignition cable: 302°F (150°C)

Misc. cables: 221°F (105°C)

Infrared sensor: 176°F (80°C)

Cable with relay: 158°F (70°C)

**HANDSETS**

NOTICE: The handsets, receivers, wall switches, switch panels and touch pads are not interchangeable with previous electronics.

**RADIO FREQUENCY**

Radio Frequency Handset

433.92 MHz for Europe; 315 MHz for U.S. (FCC 10: RTD-G6R) and for Canada (le: 4943A-G6R).

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**GENERAL NOTES****Batteries – Handset**

- 1x 9V (quality alkaline recommended).
- Low battery indicator on handsets with display.
- Battery replacement is recommended after 2 years

**Batteries – Receiver**

- 4 x 1.5V "AA" (quality alkaline recommended).
- Low battery indication: frequent beeps for 3

seconds when motor turns.

- An AC Mains Adapter may be used instead of batteries.\*
- The module for fan speed control and light dimmer includes mains power together with batteries in the receiver for automatic backup in case of power outage.
- Without using a mains adapter, battery replacement is recommended at the beginning of each heating season.

*\*Only the Mertik Maxitrol AC Mains Adapter or one preapproved by Mertik Maxitrol can be used. Use of other adaptors can render the system inoperable.*

NOTICE: The handsets, receivers, wall switches, switch panels and touch pads are not interchangeable with previous electronics (see figure 21).

**STARTING THE APPLIANCE****Remote Control Operation**

A code is selected automatically for all Mertik Maxitrol electronics from among 65,000 random codes available. The receiver has to learn the code of the handset:

Press and hold the receiver's reset button (see figure 37) until you hear two (2) beeps. The first beep is short and the second beep is long. After the second beep, release the reset button.

Within the subsequent 20 seconds press the Small Flame button on the handset until you hear two additional short beeps confirming the code is set. If you hear one long beep, this indicates the code has failed or the wiring is incorrect.

NOTE: This is a one-time setting only and is not required after changing the batteries of the handset or receiver.

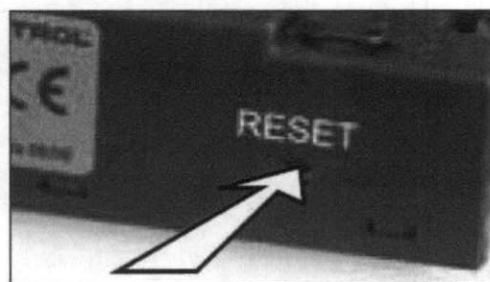


Figure 37 – Receiver Reset Button Location

## Manual Ignition/Operation

1. Remove orange ignition wire from Control module and insert onto Piezo Ignitor Connection on valve top (see figures 15 and 19).
2. Open the gas supply to the valve.
3. Remove the access panel from the front of the stove and set on a non-marring surface.
4. Locate and turn the MANUAL Knob on the valve clockwise to the "MAN" position (see Figure 19).
5. Turn the Main Valve knob to "OFF".
6. Using a pen or other device that will reach through the MANUAL Knob cutout, gently press the pilot button and hold it in the down position.
7. After a ten second wait, push the piezo igniter button on the valve every three seconds until you see the pilot light. If the pilot does not light after one minute, release the pilot button and wait 5 minutes for gas to clear then repeat step 5. If the pilot has not ignited after three attempts at the ignition sequence, STOP ALL ATTEMPTS TO LIGHT PILOT AND CALL AN AUTHORIZED SERVICE TECHNICIAN.
8. If the pilot lights, continue holding the Pilot Button for one (1) minute. Release the Pilot Button and the pilot flame should remain on. If it does, proceed to step 8. If the pilot flame does not remain on after you release the Pilot Button, repeat steps 5 and 6 above. If the pilot does not remain on after three attempts, STOP ALL ATTEMPTS TO LIGHT PILOT AND CALL AN AUTHORIZED SERVICE TECHNICIAN.
9. Once the pilot flame has been established, turn the Main valve knob counter-clockwise. The main burner will ignite after the Main Valve knob is turned past the minimum setting. Once the main burner is on, continue turning the Main Valve knob until the desired flame height is reached.
10. If the Main Burner does not ignite, return the Main Valve knob clockwise back to "OFF", wait three (3) minutes and repeat step 8. If the main burner does not ignite after a repeat attempt, STOP ALL ATTEMPTS TO LIGHT THE MAIN BURNER, TURN THE MANUAL KNOB TO ON, SHUT OFF THE GAS SUPPLY VALVE AND CALL AN AUTHORIZED SERVICE TECHNICIAN.
11. Once the main burner is ignited, replace the access panel. Further adjustments to the flame height are controlled by turning the

Main Valve knob clockwise for less flame and counter-clockwise for more fire.

## DAILY OPERATION

### TURN ON THE APPLIANCE

#### Handset



- Simultaneously press the OFF and & large flame buttons until a short beep confirms the start sequence has begun; release buttons.
- Continuing beeps confirm the ignition is in process.
- Once pilot ignition is confirmed, main burner gas flow will begin.
- After main burner ignition, the handset will automatically go into manual mode.

#### Wall Switch/Touch Pad/Switch Panel

- Press button "B" (see Figure 38) until a short beep confirms the start sequence has begun; release button.
- Continuing beeps confirm the ignition is in process.
- Once pilot ignition is confirmed, there is main gas flow.

#### ⚠WARNING

If the pilot does not stay lit after several tries, turn the main valve knob to OFF and follow the instructions **"TO SHUT DOWN THE APPLIANCE AND TURN OFF GAS"** on page 27.

### STANDBY MODE (Pilot Flame)

#### Handset

- Press and hold small flame to set appliance at pilot flame.

#### Wall Switch/Touch Pad/Switch Panel

- Press and hold button "C" (see figure 45) to set appliance at pilot flame.

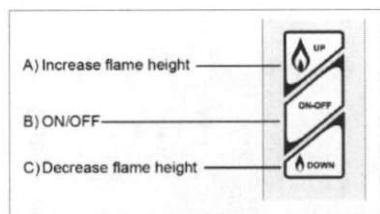


Figure 38 – Optional Touch Pad

**Wall Switch/Touch Pad/Switch Panel**

(See figure 45)

- Press and hold button "A" to increase flame height.
- Press and hold button "C" to decrease flame height or to set appliance at pilot flame.
- For fine adjustment tap button "A" or "C".

**TO TURN OFF APPLIANCE**



**Handset**

- Press OFF button

**Wall Switch/Touch Pad/Switch Panel**

- Press button "B" (see figure 45).

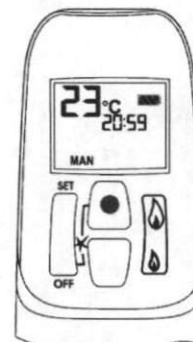
**Designated Low Fire and High Fire**



- Double-click small flame button. "LO" will be displayed.

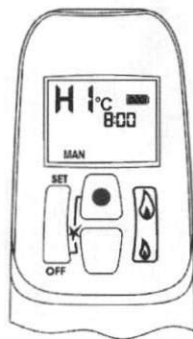
NOTE: Flame goes to high fire first before going to designated low fire.

**FLAME HEIGHT ADJUSTMENT**

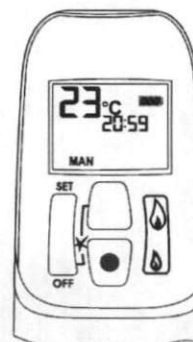


**Handset**

- In standby mode: Press and hold large flame button to increase flame height.



- Double-click large flame button. Flame automatically goes to high fire. "HI" will be displayed.



- Press and hold small Flame button to decrease flame height or to set appliance at pilot flame.
- For fine adjustment tap The Large flame or small flame buttons.

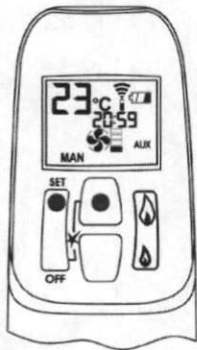
**TURNING FRONT BURNER ON/OFF (ONLY on Bristol 8763 and Waitsfield 8770)**

NOTE: The latching solenoid valve cannot operate manually. If the battery runs down it will remain in the last operating position. During normal operation the solenoid valve will be reset to the ON position when the GV60 is switched OFF remotely.

**WARNING**  
 If the appliance will not operate, follow the instructions **"TO SHUT DOWN THE APPLIANCE AND TURN OFF GAS"** on page 26.



- Upon ignition Front and Rear are ON.
- Simultaneously press **SET** and small flame buttons to switch the Front burner OFF. Printed instructions are on the battery cover (see figure 39).



- Simultaneously press **SET** and large flame buttons to switch Front burner ON. (The AUX symbol on the display indicates the solenoid valve is OPEN)

NOTE: The operation of the burner control valve is blocked in timer OFF mode, when the setting of the Nighttime Setback Temperature (moon icon) is " \_ \_".



Figure 39 – Aux Burner Control Instructions

- In the Light/Dimmer mode the OFF button shuts OFF the light.
- If you want the light ON but no flame, press and hold the small flame button and turn to Pilot flame.

NOTE: The light bulb icon is displayed during light/dimmer setting only. 8 seconds after the light/dimmer has been set, the handset will automatically go into temperature control mode (CSA version) or manual mode (CE version).

**CIRCULATING FAN OPERATION**  
**((ONLY on Bristol 8763 and Waitsfield 8770))**



The circulating fan has 4 speed levels from low (1 bar) to high (4 bars).

- Briefly press **SET** button to scroll to the fan icon. Fan and Level icons flash.
- Press large flame button to switch ON and increase fan speed.
- Press small flame button to Decrease fan speed. To turn OFF fan, press small flame button until all 4 speed level bars disappear.

NOTE: 8 seconds after the fan has been set, the handset will automatically go into temperature control mode (CSA version) or manual mode (CE version). The fan starts 4 minutes after the gas opens (from OFF or from pilot) at maximum speed and goes to the displayed level after 10 seconds. The fan stops 10 minutes after the gas is OFF or at pilot.

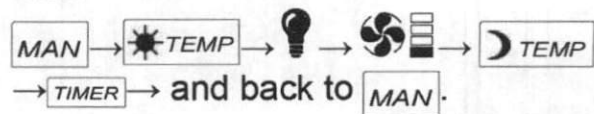
**LIGHT/DIMMER OPERATION**  
**((ONLY on Bristol 8763 and Waitsfield 8770))**



- Briefly press **SET** button to scroll to light bulb icon. Light bulb icon flashes.
- Press and hold large flame button to turn ON the light or increase brightness.
- Press and hold small flame button to decrease brightness.

**MODES OF OPERATION**

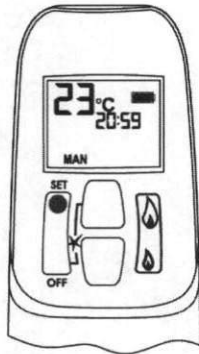
- Briefly pressing the **SET** button changes the mode of operation in the following order:





NOTE: Manual mode can also be reached by pressing either the large flame or the small flame button.

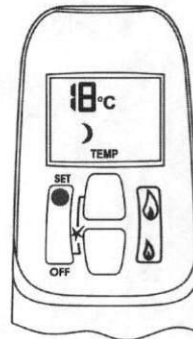
NOTE: To turn OFF fan press small flame until all 4 speed bars disappear.



**MAN**

- Manual Mode

Manual flame height adjustment.

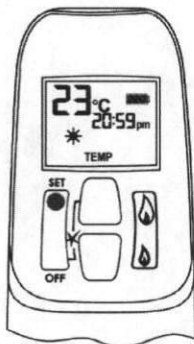


**TEMP**

- Nighttime Setback Temperature Mode  
(Appliance must be in standby mode; pilot ignited)

The room temperature is Measured and compared to the Nighttime Setback Temperature. The flame

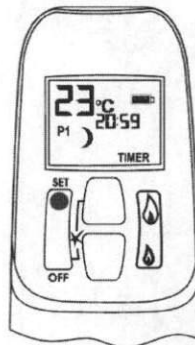
height is then automatically adjusted to achieve the Nighttime Setback Temperature.



**TEMP**

- Daytime Temperature Mode  
(Appliance must be in standby mode; pilot ignited)

The room temperature is measured and compared to the set temperature. The flame height is then automatically adjusted to achieve the Daytime Set Temperature .

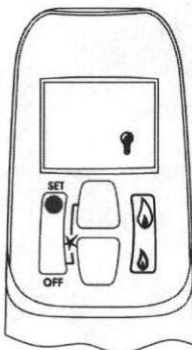


**TIMER**

- Timer Mode  
(Appliance Must be in standby mode; pilot ignited)

The Timers P1 and P2 (Program 1, Program 2) each can be programmed to go ON and OFF at specific times. For instructions see Timer Programming Mode.

NOTE: The display shows the set temperature every 30 seconds.



- Light/Dimmer Mode  
(Optional)

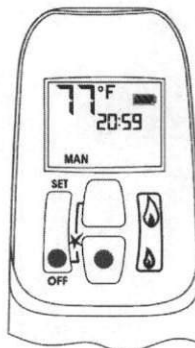
Turns light/dimmer ON and OFF and adjusts brightness.

**SETTING °C/24 HOUR OR °F/12 HOUR CLOCK**



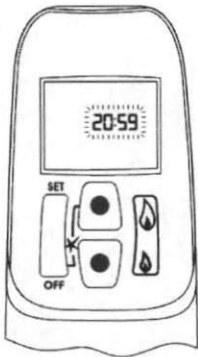
- Circulating Fan Mode  
(Optional)

Turns circulating fan ON and OFF and adjusts fan speed.

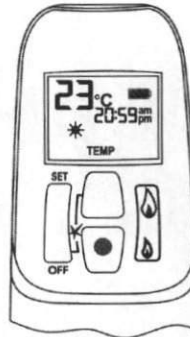


- Press **OFF** and small flame button until display changes from Fahrenheit/12 hour clock to Celsius/24 hour clock and vice versa.

### SETTING THE TIME



- The Time display will flash after either:
  - a) Installing the battery or
  - b) Simultaneously pressing the large flame and small flame buttons.
- Press large flame button to set the hour.
- Press small flame button to set the minute.
- Press OFF or simply wait to return to manual mode.

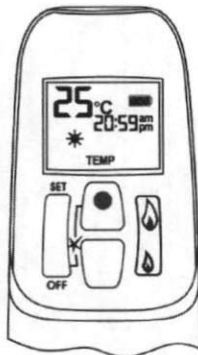


- Press small flame button to decrease Daytime Set Temperature.
- Press OFF or simply wait to complete programming.

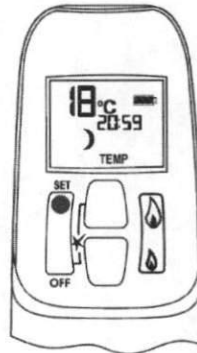
### Setting the NIGHTTIME SETBACK Temperature DEFAULT SETTINGS: " \_ " (OFF)

### SETTING THE ON/OFF TEMPERATURES

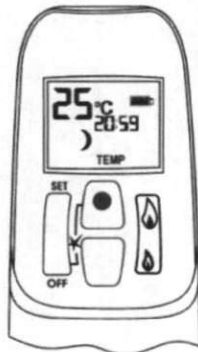
#### Setting the DAYTIME Temperature DEFAULT SETTINGS: 23°C/74°F



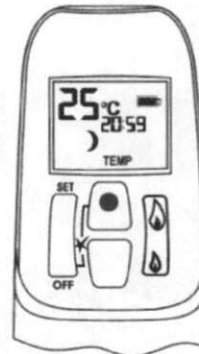
- Briefly press **SET** button to scroll to TEMP mode (sun icon). Hold the **SET** button until the set temperature on the screen flashes.



- Briefly press **SET** button to TEMP mode (moon icon). Hold the **SET** button until the set temperature on the screen flashes.



- Press large flame button to increase Daytime Set Temperature.



- Press large flame button to increase Nighttime Setback Temperature.



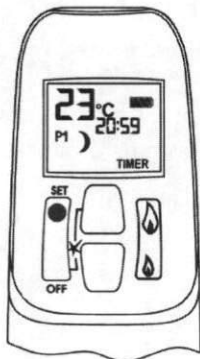
- Press small flame button to decrease Nighttime Setback Temperature.
- Press **OFF** or simply wait to complete programming.

**SETTING PROGRAM TIMERS**

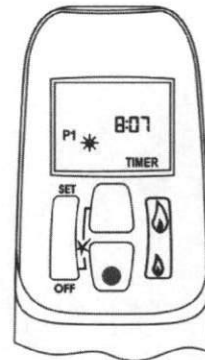
**Default Settings**

CE: Program 1: P1 ☀: 6:00 P1 🌙: 8:00  
 Program 2: P2 ☀: 23:50 P2 🌙: 23:50  
 CSA: Program 1: P1 ☀: 6:00<sup>am</sup> P1 🌙: 8:00<sup>am</sup>  
 Program 2: P2 ☀: 11:50<sup>pm</sup> P2 🌙: 11:50<sup>pm</sup>

- 2 ON times can be programmed ☀ per day.
- CE: The day starts at 0:00, ends at 23:50.
- CSA: The day starts at 12:00<sup>am</sup>, ends at 11:50<sup>pm</sup>.
- The ON/OFF times have to be programmed in the order P1 ☀ ≤ P1 🌙 < P2 ☀ ≤ P2 🌙.
- If P1 ☀ = P1 🌙 or P2 ☀ = P2 🌙 the timer is deactivated.
- To have the fire over night, it can be set:  
 CE: P2 🌙 23:50 and P1 ☀ 0:00  
 CSA: P2 🌙 11:50<sup>am</sup> and P1 ☀ 12:00<sup>am</sup>

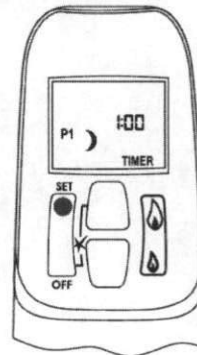


- Select Timer Mode by briefly pressing the Set button until P1 and the crescent moon appear.



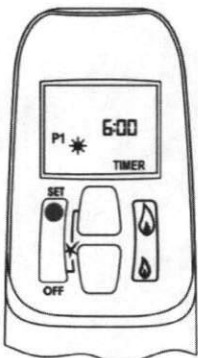
- Set the minutes by pressing the small flame button.

**Setting P1 OFF Time**

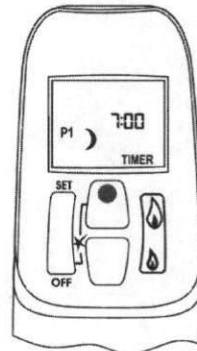


- Select Timer Mode by briefly pressing the SET button until P1 and the crescent moon appear.
- Briefly press SET button to scroll to setting P1 OFF time (P1 and moon) is displayed and the time flashes.

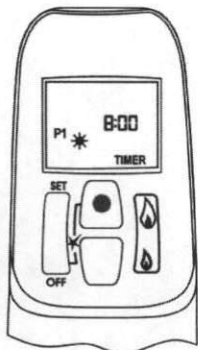
**Setting P1 ON Time**



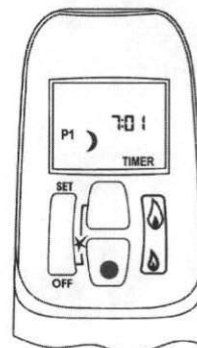
- Hold the SET button until P1 and the sun icon displayed and the time flashes.



- Set the hour by pressing the large flame button.



- Set the hour by pressing the large flame button.



- Set the minutes by pressing the small flame button.

**Setting P2 ON Time**

- Once P1 times are set, briefly press **SET** button to scroll to setting P2 ON time. P2 and the sun icon are displayed and the time flashes.
- See instructions SETTING P1 ON TIME.

**Setting P2 OFF Time**

- Briefly press **SET** button to scroll to setting P2 OFF time. P2 and the crescent moon icon are displayed and the time flashes.
- See instructions SETTING P1 OFF TIME.
- This concludes programming Timers P1 and P2. Press OFF or wait. The handset will automatically save your changes.

**TO TURN OFF GAS TO APPLIANCE**

1. Place ON/OFF switch in 0 (OFF position).
2. If gas control is accessible turn main valve knob to the OFF full clockwise position.
3. Replace appliance access cover.

**AUTOMATIC TURN DOWN****6 Hour no Motor Movement**

(CSA version)

- Manual Model/Temperature/Timer Mode: The valve will turn to pilot flame if there is no change in flame height for a 6 hour period. In Temperature/Timer Mode if the ambient room temperature changes, the flame height will adjust automatically to maintain set temperature, and the fire will continue to function normally. The valve will turn to pilot flame if the set temperature and the ambient room temperature remain the same over a 6 hour period.

**Receiver Overheating**

- Valve turns to pilot flame if the temperature in the receiver is higher than 140°F (60°C). The main burner comes back on only when the temperature is below 140°F (60°C).

**AUTOMATIC SHUT OFF****Low Battery Receiver**

- With low battery power in the receiver the system shuts off the fire completely. This will not happen if the power supply is interrupted.

**Five Day Shut Off**

(CSA version)

- The system shuts off the fire completely if there is no change in flame height for 5 days.

NOTE: Before the next ignition there is a 2 minute waiting period.

## Routine Maintenance and Care

**Your Champlain requires minimal routine maintenance and care. Ensure the unit is cool and off when cleaning, or servicing.**

**⚠ WARNING: DO NOT SUBSTITUTE MATERIALS.**

For replacement parts, or for information about parts or service, contact your local Hearthstone dealer.

**Any safety screen or guard removed for servicing an appliance must be replaced prior to operating the appliance. *Tout écran ou protecteur retiré pour permettre l'entretien de l'appareil doit être remis en place avant de mettre l'appareil en marche.***

### Cleaning

**⚠ WARNING: DO NOT CLEAN THE UNIT WHEN HOT.**

The unit should receive regular cleaning on, under, and around the stove to prevent the buildup of dust and lint. The exterior surfaces of the unit can be cleaned using soap, water, and a soft cloth. Do not use abrasive or chemical cleaners and take care not to scratch the glass or enamel finish (if so equipped) when cleaning the unit. The use of chemical wax based cleaners or polishes are not recommended due to the potential for discoloration of the castings, or enamel when the residue of the cleaners or polishes is exposed to heat. Excessive buildup of dust, spider webs, or room air contamination may cause odors when the stove is hot.

### Monthly (or as needed):

#### Glass Cleaning

As fuel gas may contain some impurities; it will be necessary to clean the inside of the glass occasionally. Do not use abrasive cleaners. Scratching the glass will weaken the integrity of the glass. **Do not clean the glass when hot!** Allow the glass to cool and apply a mild window cleaning fluid. Special gas appliance window cleaner is available from your local Hearthstone dealer.



- WARNING: DO NOT OPERATE THIS APPLIANCE WITH THE GLASS PANEL REMOVED, CRACKED, OR BROKEN. DO NOT SUBJECT THE GLASS OR ITS FRAME TO ABUSE, SUCH AS STRIKING OR BENDING. REPLACEMENT OF THE GLASS PANEL SHOULD BE DONE BY A LICENSED OR QUALIFIED SERVICE PERSON. REPLACE WITH MANUFACTURER-APPROVED FRONT GLASS ONLY. NE PAS UTILISER L'APPAREIL SI LE PANNEAU FRONTAL EN VERRE N'EST PAS EN PLACE, EST CRAQUÉ OU BRISÉ. CONFIEZ LE REMPLACEMENT DU PANNEAU À UN TECHNICIEN AGRÉÉ.**

**NOTE:** If the venting system is disassembled for any reason, re-install per the instructions provided in the venting section of this manual.

## Annually:

### Clean Firebox, Pilot, & Burner Assembly

The firebox requires periodic cleaning to prevent the accumulation of dust, lint, and other debris. To clean the firebox, set the switch to the "OFF" position, and turn off the gas supply to the valve. When the unit is cool, remove the front panel and glass (see page 9 for Firebox Access instructions) and carefully remove the decorative ceramic log set, taking care not to damage the logs or chip the enamel cast iron. Remove all ember material. Clean the firebox baffle, burner, and carefully vacuum the entire surface of the log set with a soft brush attachment. Thoroughly vacuum the ports (holes) along the top of the burner, and the pilot assembly.

With the decorative ceramic logs out of the firebox, reseal the firebox and briefly light the unit according to the lighting instructions described on page 21. Check to ensure a proper flame is burning from each burner port. The pilot flame should be burning properly as shown in *figure 22*.

- NOTE:** Do not operate the unit for more than 1-2 minutes without the log set in place.

Check and clean any burner ports that are not burning, or not burning properly. Clean burner ports using a soft brush or vacuum cleaner. If the pilot flame height needs adjustment, it should be adjusted by qualified service personnel as described on page 22.

Complete the cleaning procedure by carefully placing the log set within the firebox as described on pages 26-28. Reattach the glass and front panel to seal the firebox. Turn on the gas, light the unit and check for proper operation. Flame patterns should look similar to the flames in Figure 34. Regularly check to ensure the area around the Champlain is

kept free from combustible materials, gasoline, and other flammable vapors and liquids. Check that the flow of combustion and ventilation air is not obstructed.

## Battery Replacement

- WARNING: DISCONNECT POWER TO THE UNIT AND SHUT OFF THE GAS SUPPLY TO THE VALVE BEFORE REPLACING ANY BATTERIES.**

Hearthstone recommends replacing all batteries at least every season. Keep a supply of good quality rechargeable batteries on hand to ensure functionality during power outages, and to give the environment a break.

### Remote Transmitter Battery Replacement

You can easily change the Remote Transmitter batteries by accessing the rear cover plate. Ensure you orient the batteries correctly as indicated in the battery compartment.

### Receiver Battery Replacement

1. Turn the stove OFF.
2. Remove the valve access cover and set on a non-marring surface.
3. Remove the receiver from the appliance and remove the receiver's battery compartment cover.
4. Install four new AA batteries. Ensure that you orient the batteries correctly as indicated on the battery compartment cover.
5. Slide the cover plate back onto the battery compartment and reinstall the receiver in the appliance.
6. Replace the access panel.

### Initializing the Remote Control

You should not be required to synchronize communication between the Receiver and the Remote Control transmitter when you change the batteries in either. If the system does not respond to commands issued from the remote after changing batteries, follow the sequence for synchronizing the remote and transmitter described on page 31.

### Professional Inspection

Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified