OPERATOR MANUAL

I

INSTALLER: Leave this manual with the appliance. CONSUMER: Retain this manual for future reference.

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

FOR YOUR SAFETY

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

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 neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier call the fire department.

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

This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

This appliance is suitable for installation in a bedroom or bed sitting room.



TOWN & COUNTRY LUXURY FIREPLACES

SERIAL

TCWS54D - Version 2 USER MANUAL



MODEL: TCWS54 SERIES D DIRECT VENTED DECORATIVE GAS APPLIANCE

Visit www.townandcountryfireplaces.com for the most recent version of this manual

Table of Contents

Congratulations on your Town & Country purchase Caution Safety Lighting Instructions First Fire Special Operator Note Remote Control Operation Fireplace Description Transmitter (Remote Control with LCD Display) IFC Module	3 4 5 5 5 7 7 7
Operating Procedure Using the Remote Control Transmitter Temperature indication Display	7 8
Turn off the Fireplace	8
Manual Bypass of the Remote Fireplace	

Remote Flame Control	9
Room Thermostat (Transmitter Operation)	9
Smart Thermostat (Transmitter Operation)	9
Instructions for enabling the Thermostat function for	
Canadian users	9
Remote dimmer control (Light)	10
Continuous Pilot/Intermittent Pilot (CPI/IPI) selection	10
Key Lock	10
Low Battery Power Detection	10
Linking Remote Handset and apple® Device to Fireplace	11
Using the TC Fire app	13
Linking Remote Handset and Android® Device to Fireplace	14
Maintenance	17
Glass Panel:	17
Annual Inspection:	17
Periodically:	17
Warranty	

Congratulations on your Town & Country purchase

Your Town & Country fireplace has been professionally installed by:

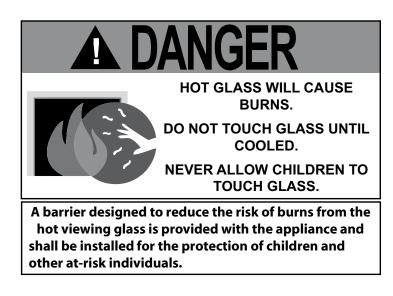
Dealer name: _____

Phone Number: _____

If you discover any problems with your Town & Country fireplace contact your dealer immediately to have the unit repaired.

Caution: Do not attempt to repair the fireplace because you may cause injury to yourself or others, and risk causing damage to the unit.

Before operating your fireplace carefully read this manual and pay close attention to all Safety Warnings. The manual contains important information on the unit's safe operation and maintenance.



WARNING: This product can expose you to chemicals including ceramic fibers, which are known to the State of California to cause cancer, and carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

This warning is applicable to all **Pacific Energy Fireplace Products**

Caution

FOR YOUR SAFETY - Do not install or operate your Town & Country fireplace without first reading and understanding this manual. Any installation or operational deviation from the following instructions voids the Town & Country Fireplaces[™] Warranty and may prove hazardous.

This appliance and its individual shut off valve must be disconnected from gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).

This appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

Note: When lit for the first time, the appliance will emit a slight odour for a couple of hours. This is due to the curing of paints, sealants and lubricants used in the manufacturing process. This condition is temporary. Open doors and windows to ventilate area. Smoke and fumes caused by the curing process may cause discomfort to some individuals.

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



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

Safety

Due to high temperatures, this gas appliance should be located out of traffic and away from furniture and draperies.

Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.

Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children, and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at-risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children, and other at-risk individuals out of the room and away from hot surfaces.

Clothing or other flammable material should not be placed on or near the appliance.

Any grill, panel or door removed for servicing the unit must be replaced prior to operating. Failure to do so may create a hazardous condition.

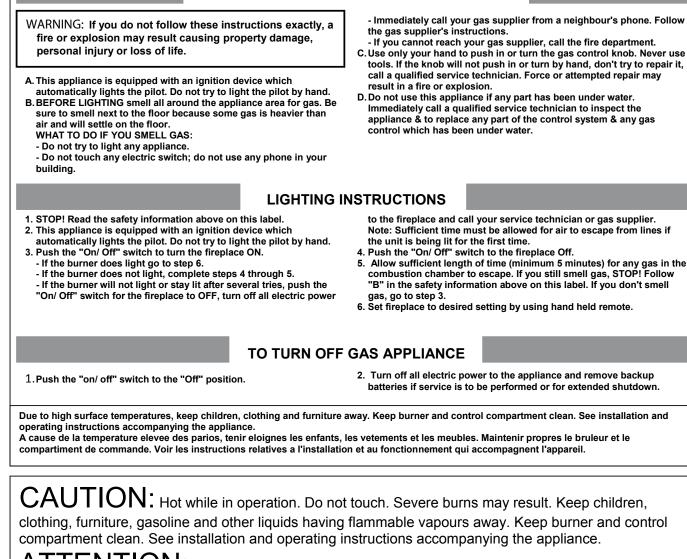
Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control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

It is our policy that no responsibility is assumed by the Company or by any of its employees or representatives for any damages caused by an inoperable, inadequate, or unsafe condition which is the result, either directly or indirectly, of any improper operation or installation procedures.

This appliance must not be connected to a chimney flue serving a separate solid fuel burning appliance.

- Lighting Instructions

FOR YOUR SAFETY READ BEFORE LIGHTING



ATTENTION: L'appareil est chaud lorsqu'il fonctionne. Ne pas toucher l'appareil. Risque de brûlures graves. Serveiller les enfants. Garder les vêtements, le meubles, l'essence ou autres liquides produisant des vapeurs infl ammables loin de l'appareil. S'assurer que le brûleur et le compartiment des commandes sont propres. Voir les instructions d'installation et d'utilisation qui accompagnent l'appareil.

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GBWY

First Fire

When lit for the first time, the fireplace will emit a slight odor for a couple of hours. This is due to the curing of paints, sealants and lubricants used in the manufacturing process. This condition is temporary. Open doors and windows to ventilate area. Odors caused by the curing process may cause discomfort to some individuals.

It is normal for fireplaces fabricated of steel to give off some expansion and/or contraction noises during the start up or cool down cycle. Similar noises are found with your furnace heat exchanger or cook stove oven.

Special Operator Note

NOTE: Fireplace may take up to 30 seconds to ignite each time the "ON" button has been selected.

Remote Control Operation

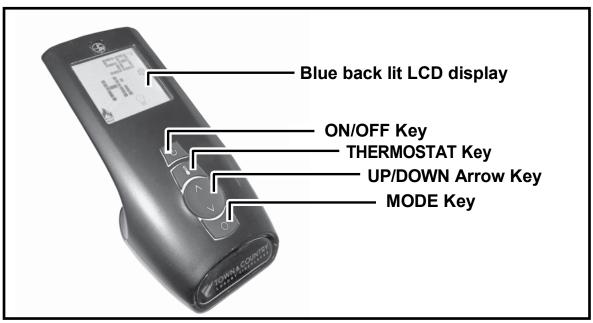


Figure 1: Proflame 2 handset.

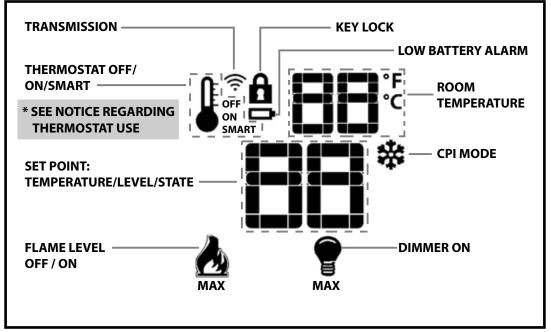


Figure 2: Proflame 2 LCD screen details.

NOTICE: The thermostat function is disabled by default. Thermostat function is not permissible in the USA but is permissible in Canada. Instructions for enabling the thermostat function in Canada - See "Instructions for enabling the Thermostat function for Canadian users." on page 9

Attention!

- Turn off the main gas supply for the appliance during installation or maintenance of the receiver/module device.
- Turn off main gas supply for the appliance prior to removing or reinserting the batteries.
- In case of remote control malfunction, turn off the fireplace using the "on/off" main switch located on the wall.
- For installation/maintenance, turn off the fireplace at the on/ off switch located on the wall and at the fireplace power supply circuit breaker.

Fireplace Description

The Proflame 2 Remote Control Fireplace consists of three elements:

- 1. Proflame 2 Remote Control Transmitter.
- 2. Proflame Integrated Fireplace Control (IFC) board and a wiring harness to connect the IFC to the gas valve and stepper motor.
- 3. Wall mounted Remote Control Receiver Figure 3, Figure 4 and Figure 5.

Transmitter (Remote Control with LCD Display)

The Proflame 2 Transmitter uses a streamline design with a simple key layout and an informative LCD display (Figure 2). The remote control transmitter is powered by 3 AAA batteries. A mode key is provided to index between the features and a thermostat key is used to turn on/off or index through thermostat functions (Figure 1).

IFC Module

The Proflame 2 Integrated Fireplace Control (IFC) module is a device that allows automatic ignition and pilot flame supervision and commands the functions of the fireplace. It's configured to control the ON/OFF main burner operation, giving the choice of both IPI (intermittent pilot ignition), and CPI (continuous pilot ignition) modes. The Proflame2 IFC module controls and connects directly to the pilot assembly and the automatic valve using low electric power.

The IFC module can be powered by both an AC power supply, and battery pack for back up. The Proflame 2 offers the added ability to control the comfort fan speed from OFF through six (6) speeds, and a remotely actuated auxiliary outlet and a dimmable light outlet. The external batteries can provide DC power to the IFC allowing the batteries to be used only when line power is interrupted or lost, and if the fireplace does not use a combustion fan.

Operating Procedure

The fireplace must first be linked to the wall switch. Then the wall switch must be linked to the remote handset. Instructions for both of these procedures including instructions for enabling a Blue Tooth® enabled apple mobile device to the fireplace, see See "Linking Remote Handset and apple® Device to Fireplace" on page 11.

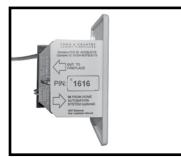


Figure 3: Wall switch - interface side.

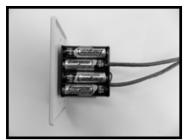


Figure 4: Wall switch - battery side.

Using the Remote Control Transmitter

Temperature indication Display

With the remote control transmitter in the "OFF" position, press the thermostat and mode keys at the same time. Look at the LCD screen on the remote control transmitter to verify that a C or F is visible to the right of the room temperature display - Figure 7 and Figure 8.

Program button

COUNTRY

Figure 5: Wall switch.

Turn on the Fireplace

With the fireplace OFF, press the ON/OFF key on the remote control transmitter. The remote control transmitter display will show the active icons on the screen. At the same time the wall switch will activate the fireplace via the IFC module. A single "beep" from the IFC module will confirm reception of the command.



Figure 6: Proflame 2 remote battery compartment.

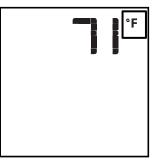


Figure 7: Temperature in fahrenheit.

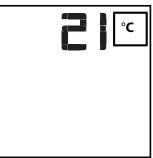


Figure 8: Temperature in celcius.

Turn off the Fireplace

With the fireplace ON, press the ON/OFF key on the remote control transmitter. The remote control transmitter LCD display will only show the room temperature (Figure 7 and Figure 8). At the same time the IFC module will turn off the fireplace. A single "beep" from the IFC module confirms reception of the command.

Manual Bypass of the Remote Fireplace

If the batteries of the remote control transmitter are low or depleted, the fireplace can be turned off manually using ON/OFF switch located on Town & Country wall switch. This will bypass the remote control transmitter.

Remote Flame Control

The Proflame2 has six (6) flame levels. With the fireplace turned on, and the flame level at maximum height, press the down arrow key once to reduce the flame height by one step (Figure 9) until the flame is turned off.

The up arrow key will increase the flame height each time it is pressed. If the up arrow key is pressed while the fireplace is on but the flame is off, the flame will come on in the high position. A single "beep" will confirm reception of the command.

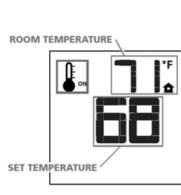


Figure 10: Room temperature control.



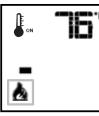
Figure 11: Smart flame control.





Flame level Max

Flame level 5





Flame level 1 Flame Off Figure 9: Flame level control.





Figure 12: Smart flame function set low.

Room Thermostat (Transmitter Operation)

The remote control transmitter can operate as a room thermostat. The thermostat can be set to a desired temperature to control the comfort level in a room. To activate this function, press the thermostat key (Figure 1). The LCD display on the remote control transmitter will change to show that the room thermostat is "ON" and the set temperature is now displayed (Figure 10). To adjust the set point, press the up or down arrow keys until the desired set point temperature is displayed on the LCD screen of the remote control transmitter.

Smart Thermostat (Transmitter Operation)

The Smart Thermostat function adjusts the flame height in accordance to the difference between the set point and the room temperatures. As the room temperature gets closer to the set point, the Smart Function will modulate the flame down. If the room temperature is cool, the Smart Function will modulate the flame up. To activate this function, press the THERMOSTAT button (Figure 1) until the word "SMART" appears to the right of the temperature icon (Figure 11). To adjust the set point, press the up or down arrow buttons until the desired set point temperature is displayed on the LCD screen of the remote control transmitter.

Instructions for enabling the Thermostat function for Canadian users.

The thermostat key (Figure 1) on the remote handset needs to be held down. Keep it pressed down and remove one of the three batteries from the remote handset. Simply re-install the battery that was removed and the feature is activated. Use the same procedure to disable the thermostat function.

Remote dimmer control (Light)

The auxiliary function controls the AUX power outlet by the dimmable light control. To activate this function use the Mode Key (Figure 1) to index to the light bulb icon (Figure 13). The intensity of the output can be adjusted through six (6) levels. Use the Up/Down Arrow Keys to adjust the output level. A single "beep" will confirm reception of the command.

Continuous Pilot/Intermittent Pilot (CPI/IPI) selection

With the system in the "OFF" position, press the Mode Key (Figure 1) to index to the CPI mode icon (Figure 14). Pressing the Up Arrow Key will activate the Continuous Pilot Ignition mode (CPI). Pressing the Down Arrow Key will return to IPI. A single "beep" will confirm the reception of the command.

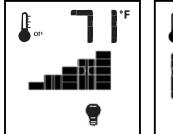




Figure 13: Dimmer light control.

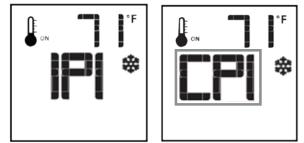


Figure 14: IPI - CPI control.

Key Lock

This function will lock the keys to avoid unsupervised operation. To activate this function, press the MODE and UP keys at the same time (Figure 1). The lock icon will appear (Figure 15). To de-activate this function, press the MODE and UP key at the same time.

Low Battery Power Detection

Transmitter

The life span of the remote control batteries depends on various factors: quality of the batteries used, the number of ignitions of the Heater, the number of changes to the room thermostat set point, etc.

When the remote batteries are low, an battery icon (Figure 16) will appear on the LCD display of the remote before all battery power is lost. When the batteries are replaced this icon will disappear.

Receiver

The life span of the IFC module batteries depends on various factors: quality of the batteries used, the number of ignitions of the Heater, the number of changes to the room thermostat set point, etc.

When the IFC batteries are low, a "double-beep" will be emitted from the IFC module when it receives a command from the remote. This is an alert for a low battery condition for the IFC board. When the batteries are replaced, a single "beep" will be emitted from the IFC module when a key is pressed.

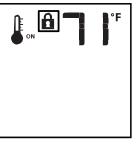


Figure 15: Lock icon.

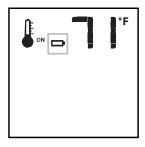


Figure 16: Low battery icon.

- Linking Remote Handset and apple[®] Device to Fireplace -

Town & Country Fireplaces can be operated remotely by using the remote handset that came with the fireplace, and by using an BlueTooth® enabled apple mobile device and the "TC Fire" app which can be downloaded free from the Apple® app store.

Regardless of which method is used, the first two procedures are to be performed in order to establish a link between the fireplace and the wall switch, followed by a procedure to establish a link between the remote handset and the wall switch.

Step 1: Procedure for linking / pairing wall switch to fireplace

- 1. Set the wall switch selector to the "Remote" setting.
- 2. Press and hold **Program** button (Figure 17) on the wall switch for up to 10 seconds. Use a straightened paper clip to access the button.
- 3. The wall switch will beep 5 times. Release the button following the beeps.
- 4. The fireplace will beep 3 times repeated by another 3 beeps.
- 5. The fireplace and wall switch are now linked/paired.

If there is cross communication with another nearby fireplace causing the other fireplace to activate instead of the intended fireplace, repeat above procedure to automatically switch to another one of three available channels.



Figure 17: Town and Country wall switch.

Step 2: Procedure for linking / pairing the wall switch to remote handset

- 1. Press and release Program button on the wall switch once (Figure 17).
- 2. You will hear 3 beeps from the wall switch.
- 3. Press and release the **on/off** button (Figure 18) on the remote handset (within 60 sec.)
- 4. The wall switch will beep 3 times.
- 5. The remote handset is now linked/paired to the wall switch and is ready to activate the fireplace.



Figure 18: Remote handset.

Step 3: Optional procedure for linking / pairing a Blue Tooth enabled apple mobile device to the fireplace (iOS only).

- 1. Download the "TC Fire" app from the Apple® App Store.
- 2. From your device, open the app and go to "Add /Edit Fireplace".
- 3. Press the "Add" button
- 4. Find the PIN number located on a sticker on the wall switch (Figure 20).
- 5. Enter the PIN number and a user defined description of the fireplace (Figure 22).
- 6. Press the "Save" button.
- 7. The fireplace is added to the main screen and iOS device is ready to use the app (Figure 22).



Figure 19: Home screen.



Figure 20: Wall switch with PIN number.



Figure 21: Add-edit program fields.

Using the TC Fire app

The app controls two functions: Flame ON/OFF/Flame level and Lighting ON/OFF/Level. The toggle buttons (Figure 24) turn the functions ON and OFF while the sliders increase and decrease the flame and lighting levels.



Figure 22: PIN & name entry



Figure 23: App programed for living room.



Figure 24: Control sliders.

- Linking Remote Handset and Android[®] Device to Fireplace -

Town & Country Fireplaces can be operated remotely by using the remote handset that came with the fireplace, and by using a Blue Tooth® enabled Android mobile device and the "TC Fire" app for Android which can be downloaded free from the Google Play Store ®.

Regardless of which method is used, the first two procedures are to be performed in order to establish a link between the fireplace and the wall switch, followed by a procedure to establish a link between the remote handset and the wall switch.

Step 1: Procedure for linking / pairing wall switch to fireplace

- 1. Set the wall switch selector to the "Remote" setting.
- 2. Press and hold **Program** button (Figure 25) on the wall switch for up to 10 seconds. Use a straightened paper clip to access the button.
- 3. The wall switch will beep 5 times. Release the button following the beeps.
- 4. The fireplace will beep 3 times repeated by another 3 beeps.
- 5. The fireplace and wall switch are now linked/paired.

If there is cross communication with another nearby fireplace causing the other fireplace to activate instead of the intended fireplace, repeat above procedure to automatically switch to another one of three available channels.



Figure 25: Town and Country wall switch.

Step 2: Procedure for linking / pairing the wall switch to remote handset

- 1. Press and release **Program** button on the wall switch once (Figure 25).
- 2. You will hear 3 beeps from the wall switch.
- 3. Press and release the **on/off** button (Figure 26) on the remote handset (within 60 sec.)
- 4. The wall switch will beep 3 times.
- 5. The remote handset is now linked/paired to the wall switch and is ready to activate the fireplace.



Figure 26: Remote handset.

Step 3: Optional procedure for linking / pairing a Blue Tooth enabled Android mobil device to the fireplace.

- 1. Download the "TC Fire" app from the Google Play Store ®.
- 2. From your Android device, open the app and go to the "Add /Edit Fireplace Drop Down Menu" (Figure 27).
- 3. Press the "Add" button.
- 4. Find the PIN number located on a sticker on the wall switch (Figure 28).
- 5. Enter the PIN number and a user defined description of the fireplace (Figure 29).
- 6. Press the "Save" button.
- 7. The fireplace is added to the main screen and Android device is ready to use the app (Figure 30).

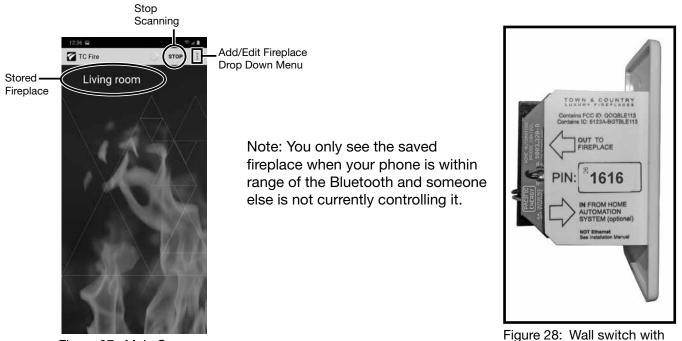


Figure 27: Main Screen.

Using the TC Fire app

The app controls two functions: Flame ON/OFF/Flame level and Lighting ON/OFF/Level. The toggle buttons (Figure 31) turn the functions ON and OFF while the sliders increase and decrease the flame and lighting levels.

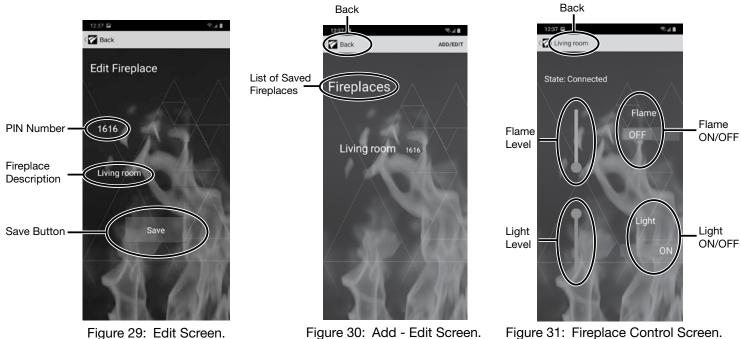


Figure 29: Edit Screen.

PIN number.

CAUTION:

Turn off gas and electrical power supply (if applicable) and allow ample time for unit to cool before servicing appliance. It is recommended that the fireplace and its venting should be inspected at least once a year by a qualified service person.

Glass Panel:

Warning: Do not operate fireplace with glass panel removed, cracked or broken. Replacement of the glass panel should be done by a licensed or qualified service person.

Do not strike or otherwise impact the glass in anyway that may cause it to break. If the glass becomes cracked or broken it must be replaced before using the fireplace. Replacement glass can be obtained from your nearest Town & Country Fireplaces[™] dealer. Use ceramic glass only. Do not substitute with any other type.

To remove broken glass, remove door frame as noted in "Door Frame Removal" section.

Unclip the Glass Retainer Clips located at the top and sides of the Door Frame. Pull the top edge of the glass out of the frame first, then lift it up and out of the bottom edge.

Install the new piece of glass with the gasket into the frame so that the thicker bead of gasket faces the fireplace.

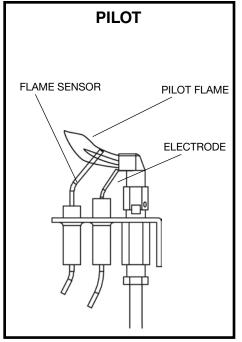


Figure 32: Pilot assembly.

Re-install glass retaining clips.

Annual Inspection:

- a) Remove glass panel and pebble assemblies. Inspect pebble and burner assemblies for soot buildup. If excessive buildup of soot is present, have a qualified service person inspect and adjust unit for proper combustion. Clean logs and burner with a brush or vacuum cleaner, paying close attention to burner ports.
- b) Check the pilot system for proper flame size and operation. Clean pilot free of soot, dust or any other deposits. (Figure 32)
- c) Check that the vent pipe and vent terminal are open and free from blockage or debris. If the venting is disassembled for cleaning, it must be properly assembled and re-sealed. Refer to VENTING section for proper procedure.
- d) Check glass panel gasket, replace if necessary. It is important that the glass seal be maintained in good condition.
- e) Check and replace batteries as needed.

Note: The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapours and liquids.

Periodically:

- a) Viewing glass may be cleaned as necessary with fireplace glass cleaner.
- b) Exterior finish may be cleaned with mild soap and water.

CAUTION:

Do not use abrasive cleaners on glass or any other part of the fireplace.

Do not clean glass when hot.

Replacing the Light Bulb-

Step 1: Removing the current light bulb.

- 1. Remove the screw securing the light cover into the upper heat shield assembly in the top of the firebox, (Figure 33) then pull the light assembly down slightyly.
- 2. Insert a small flat screwdriver between the glass lens and the light box. Figure 34.
- 3. Twist the screwdriver carefully to pop the glass lens open. Figure 35.
- 4. Carefully remove the old bulb by pulling it away from the plug end while wiggling it gently.



Figure 33: Ligth cover screws



Figure 34: Flat screwdriver

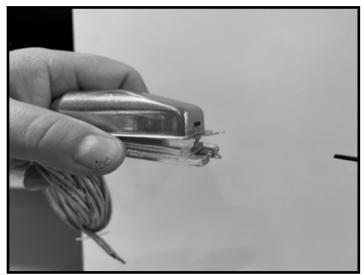


Figure 35: Twist to open glass lens

Step 2: Installing the new light bulb.

1. Use paper towel or a cloth to hold the new bulb. (Do not touch the bulb directly with your fingers. Oils from your skin can damage the bulb and cause it to fail prematurely.)

(IF THE BULB IS TOUCHED ACCIDENTLY, CLEAN IT WITH ALCOHOL BEFORE USING)

- 2. Carefully insert the new bulb by pushing it into the plug end while wiggling it gently.
- 3. Push the glass lens up to close it again. Figure 36.
- 4. Engage the plug end of the light assembly into the light box compartment and secure the light assembly in place with the single screw that you previously removed. Figure 37.

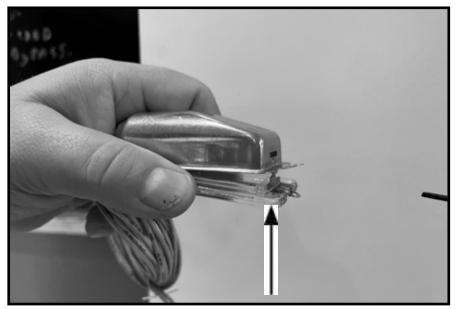


Figure 36: Push glass lens up to close



Figure 37: Light cover screw







TOWN & COUNTRY LIMITED LIFETIME WARRANTY GAS PRODUCTS

Town & Country extends the following warranty coverage to the original registered purchaser of the product:

Warranty

Limited Lifetime Coverage

Limited lifetime coverage is extended to the following components (parts only):

- Glass (for thermal breakage only)
- Combustion chamber
- Burner tube assembly
- Porcelain finishes

2 Year Comprehensive

Town & Country will repair or replace any part found to be defective (parts and labor) for two years from the original date of purchase.

Conditions

- All installations must be performed by a qualified technician in accordance with applicable local and national requirements.
- Installations must be done in accordance with the appliance manual.
- Sediment traps must be installed within 6 feet of the gas control valve.
- It is the responsibility of the installer to ensure the appliance is firing as per the rating plate.
- Any part that is found in our judgment to be defective shall be repaired, replaced or refunded at Town & Country's option.
- Porcelain is warranted for gloss retention. Certain colors may darken when heated and return to the original shade when cool. As a man-made finish, it is subject to minor imperfections.

Exclusions

- This warranty does not apply to any component that shows evidence of misuse, abuse, improper installation, accident or lack of maintenance.
- Town & Country is not responsible for mantels, surrounds or finishing material around the fireplace.
- Town & Country is not responsible for installation, operational or environmental conditions beyond our control.
- Town and Country shall in no event be liable for any special, indirect or consequential damages of any nature whatsoever which are in excess of the original purchase price of the product.
- Town & County may at its discretion discharge all obligations by refunding the wholesale price of the defective part.
- This warranty may not be extended or modified by our agents or representatives.

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For technical support, please contact your retailer.

Web site: www.townandcountryfireplaces.com 2975 Allenby Rd., Duncan, BC V9L 6V8

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