



TOWN & COUNTRY
L U X U R Y F I R E P L A C E S

SKU# 22150077

TC42, SPLIT LOG HERITAGE BURNER INSTALLATION MANUAL



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Contents of Log Set



Logs #1-#8

A - Ember Glass Media

B - Vermiculite

C - Ember Chunks

D - Ember Wool

Figure 1: TC42 Split Log Heritage Log Set contents.

The Split Log Heritage Log Set must use burner supplied with the kit.

Contents of Burner Kit



1 - Burner Assembly

2 - Light Control Box

3 - Wire Harness

4 - Ember Wire

5 - Hardware Pack

- 6 screws

- bulkhead gasket

- bulkhead plate w gasket

6 - Electrical Box Cover

7 - Manual

8 - Left Burner

9 - Right Burner

Figure 2: TC42 Split Log Heritage Burner Kit contents.

Light Control Box Installation



Figure 3: Access cover to control box.

NOTE: Turn off all power to the fireplace before commencing installation.

The decorative panels should be installed before the burner assembly is installed. However, the access cover to the valve control center (Figure 3) is to be removed and the right side panel will need to be installed later once the electrical connections are made and the access cover has been reinstalled.

1. Remove the screw securing the cover plate to the electrical box and remove the cover plate. (Figure 4)
2. Disconnect the Black wire "L" and the White wire "N" from the module. See (Figure 5)



Figure 4: Remove electrical box cover.

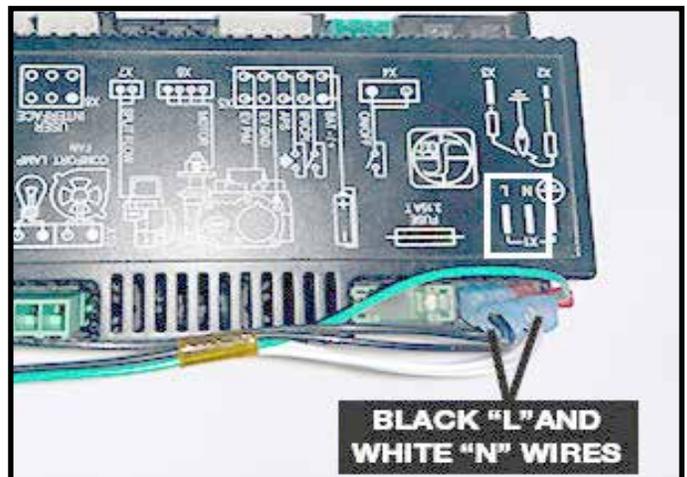


Figure 5: Harness connections on module.

3. Connect the new wire harness from the burner kit to the module. Connect power wires Black wire to L, White wire to N on module. (Figure 6)
4. Connect the original power wires previously disconnected from the module to the red connections on the new harness. Black to Black and White to White. (Figure 7)

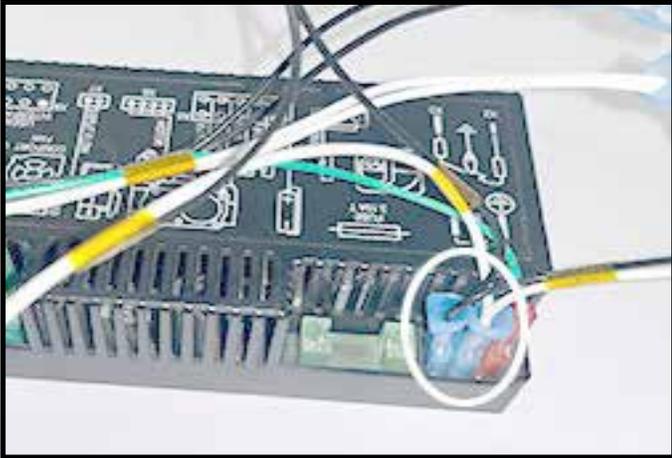


Figure 6: Connect power wires from harness.

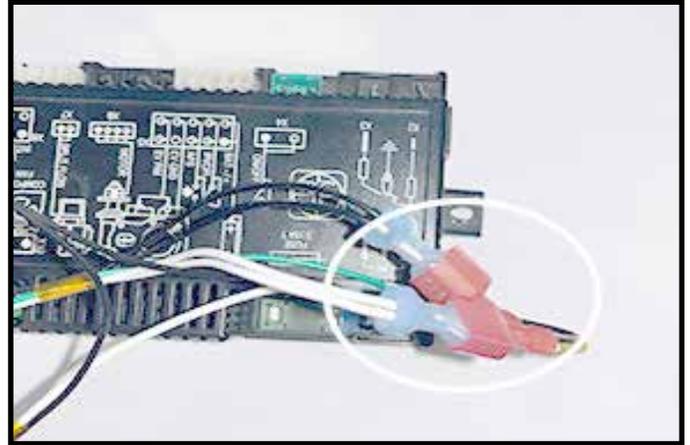


Figure 7: Connect power wires from old to new harness.

5. Connect the two bare metal connectors on the black wires from the new harness into the two vacant spaces in the green plug on the left of the module. Ensure the locking tongues on the connectors are in the vertical positions when inserting into the plug. (Figure 8) and (Figure 9)

NOTE: You should hear the connectors click into place. Gently tug the wire to ensure it is in the plug correctly.

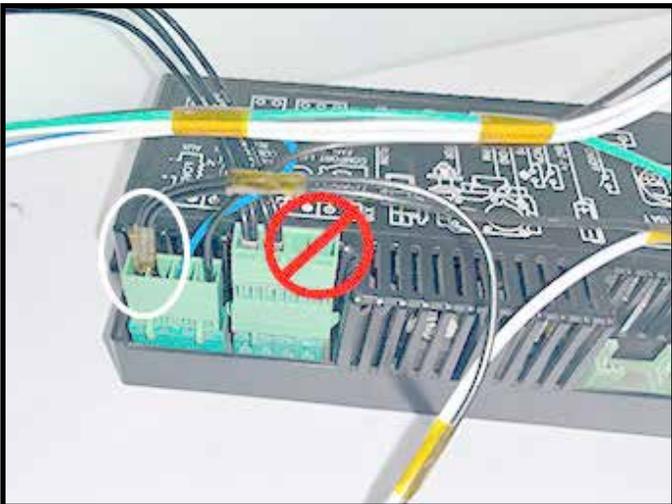


Figure 8: Connect light wires to green plug.

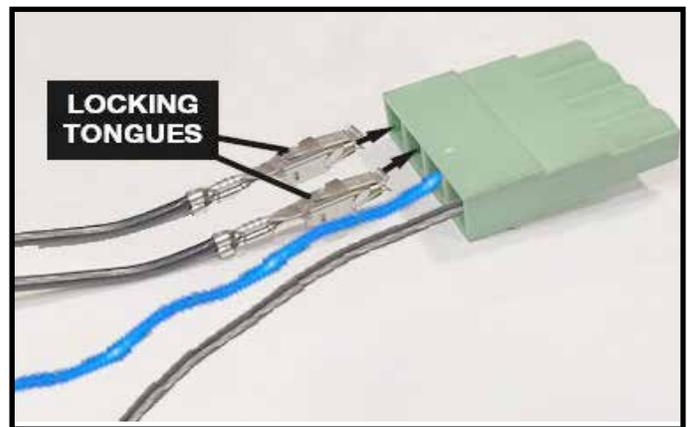


Figure 9: Locking Tongue closeup.

- Secure the light control box and the new cover plate to the top of the electrical box with the screw previously removed. Engage the angled tab on the backside of the bracket into the slot in the electrical box. (Figure 10) and (Figure 11)



Figure 10: New cover plate in place.



Figure 11: Control box attached.

- Connect the power connection from the new wire harness to the plug on the far left in the top of the control box. (Figure 12) Note: The catch on the plug should be facing towards you when making the connection.



Figure 12: Power connected to Control box.

Burner Installation

1. Remove the two screws from the firebox bottom. (Figure 13)
2. Remove the right side cover by undoing the two screws securing it to the burner assembly then place the burner assembly into the fireplace against the rear panel and the left side panel. Ensure the burner is centered and adjust the left cover extension as needed then install the Left burner. (Figure 14) and (Figure 15)

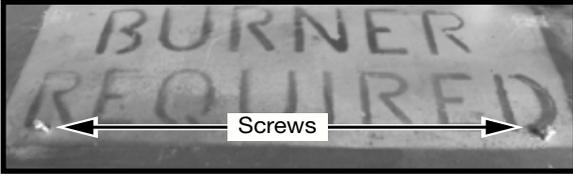


Figure 13: Firebox bottom screws.



Figure 14: Remove right side burner and cover.

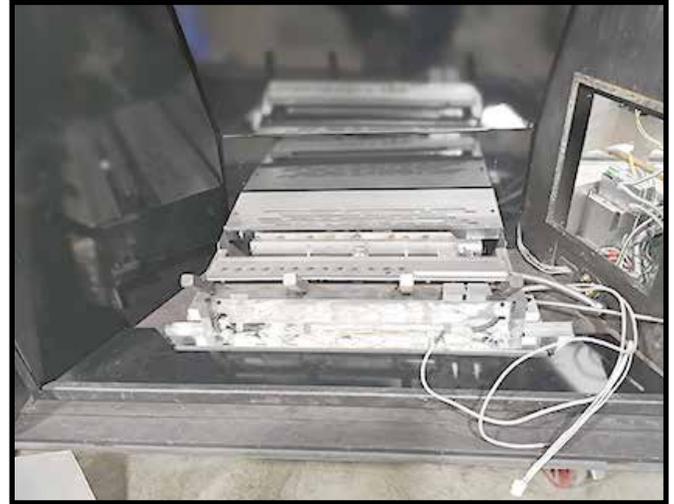


Figure 15: Place burner assembly into fireplace.

3. In older units, remove the existing bulkhead plate and the red silicone gasket with a slit in it and discard. Peel the paper from the black gasket in the hardware pack and stick it around the hole in the bulkhead. Goto step 5.
4. In newer units, remove the two screws securing the bulkhead gasket plate in place. (Figure 17)
5. Now route the upper light wires, the light wires from the burner assembly and the two pilot wires through the hole in the silicone gasket. (Figure 16)



Figure 16: Silicone gasket and wire routing.



Figure 17: Secure the gasket plate.

6. Secure the bulkhead gasket plate with the silicone gasket over the wires and to the bulkhead plate with two screws previously removed. (Figure 17)
7. Connect the plug for the light wires from the burner into the light control box. (Figure 18) NOTE: The catch on the plug should be facing towards you when making the connection.
8. Reinstall the control compartment cover plate and replace the gasket if needed.
9. Connect the main gas and pilot gas lines from the burner to the bulkhead plate. (Figure 19)
10. Install the right side panel, being careful not to pinch the upper light wires, then the panel retainer as per installation instructions manual.
11. Reinstall the right side cover with the two screws previously removed. (Figure 20)
12. Install the right side burner as shown in (Figure 21).



Figure 18: Connect the light wires from burner.



Figure 19: Connect gas lines to bulkhead.



Figure 20: Right side cover.



Figure 21: Right side burner.

Split Log Heritage Kit Contents

The Split Log Heritage Set comes with the following pieces:

Eight split logs, a bag of ember glass media, a bag of ember chunks, a bag of vermiculite and a bag of ember wool material.



Figure 22: Split Log No. 1



Figure 23: Split Log No. 2

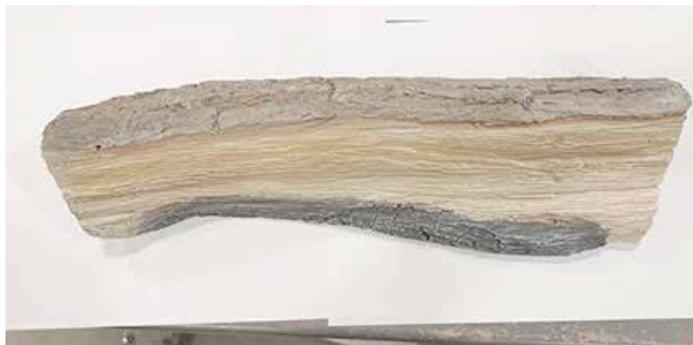


Figure 24: Split Log No. 3



Figure 25: Split Log No. 4



Figure 26: Split Log No. 5



Figure 27: Split Log No. 6



Figure 28: Split Log No. 7



Figure 29: Split Log No. 8



Figure 30: Ember wool "D"



Figure 32: Vermiculite "B"



Figure 31: Ember chunks "C"



Figure 33: Ember Glass media "A"



Figure 34: Ember Glass media

The ember glass media is taped under the log set and can be found after removing the logs. (Figure 34)

Log set placement

NOTE: USE PICTURES OF LOG PLACEMENT TO ASSIST IN CORRECT PLACEMENT OF ALL LOGS.

1. Place log 1 in the center onto the back of the burner assembly as shown in (Figure 35).



Figure 35: Split Log no. 1 in place.



Figure 36: Upper Ember Glass placement.



Figure 37: Bottom Ember Glass placement.

2. Place Ember Glass media in front of log 1 over the upper lights as shown in (Figure 36).
3. Place Ember Glass media over the bottom lights as shown in (Figure 37).

NOTE: Turn off the gas to the unit at the shutoff valve. Sync the remote to the unit and use the remote to turn the unit on then turn the flame setting down to zero so only the lights are on. (See unit Installation manual for remote operation) Ensure the lights are completely covered and no bright spots are visible where the glass media does not cover.

4. Sprinkle some vermiculite on the glass media covering the upper lights as shown in (Figure 38).
5. Sprinkle some vermiculite on the glass media covering the bottom lights as shown in (Figure 39).



Figure 38: Vermiculite on upper lights.

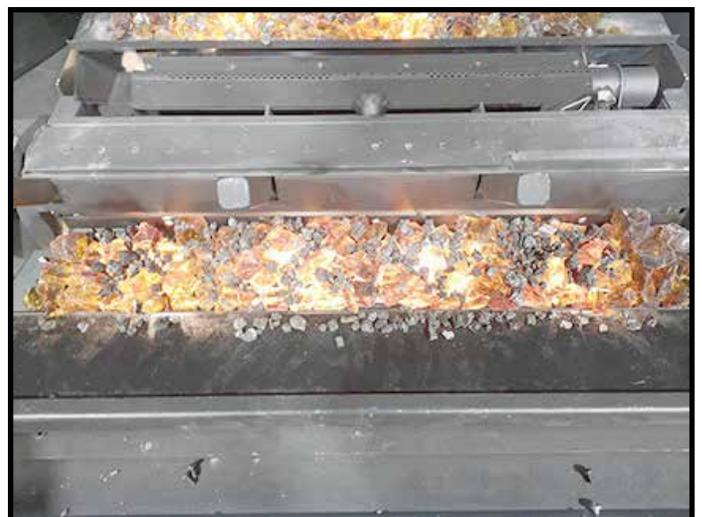


Figure 39: Vermiculite on bottom lights.

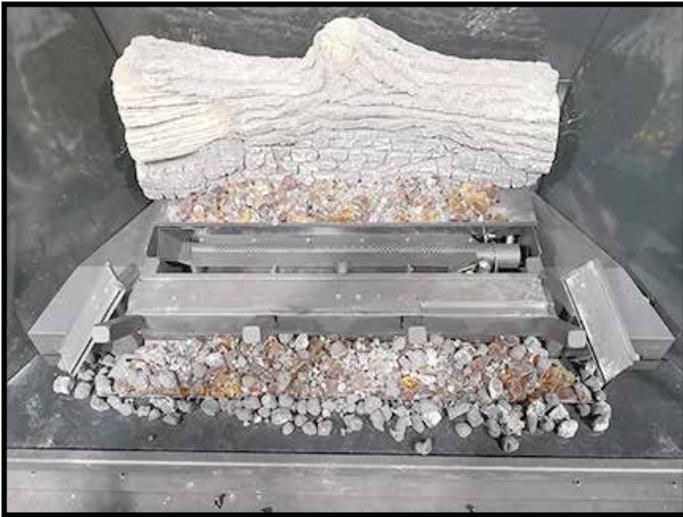


Figure 40: Ember chunks on bottom lights.

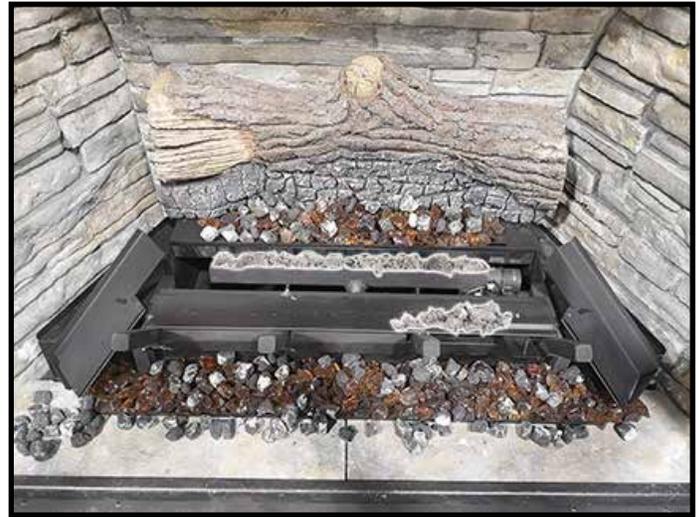


Figure 41: Ember chunks and ember wool placement.

6. Place ember chunks on the ember glass media and vermiculite covering the bottom lights as shown in (Figure 40).
7. Place ember chunks on the ember glass media and vermiculite covering the upper lights then tear the ember wool into small dime sized pieces and put the ember wool on the main burner and the center burner as shown in (Figure 41).
8. Place log 2 onto the left side burner and engage the hole in log 2 onto the pin of the left side burner as shown in (Figure 42).
9. Place log 3 onto the right side burner and engage the hole in log 3 onto the pin of the right side burner as shown in (Figure 43).

NOTE: USE PICTURES OF LOG PLACEMENT TO ASSIST IN CORRECT PLACEMENT OF ALL LOGS.



Figure 42: Split Log No. 2 in place.



Figure 43: Split Log No. 3 in place.



Figure 44: Split Log No. 4 in place.



Figure 45: Split Log No. 5 in place.

10. Place log 4 onto the right side of the center burner, with the charred end facing in and touching log 3, engage the hole in the bottom of the log onto the pin in the bracket. (Figure 44).
11. Place log 5 onto the center burner along the front edge, with the narrow end facing and touching log 4 as shown in (Figure 45).
12. Place log 6 onto the top of log 5 in the center and resting at an approximate 45 degree angle. The back end should be resting on the ember glass and touching log 1 as shown in (Figure 46).
13. Place log 7 and log 8 onto the ember glass media in front of the burner assembly and at approximate 45 degree angles opposite from each other as shown in (Figure 47).

NOTE: USE PICTURES OF LOG PLACEMENT TO ASSIST IN CORRECT PLACEMENT OF ALL LOGS.



Figure 46: Split Log No. 6 in place.



Figure 47: Split Logs No. 7 & 8 in place.

14. Remove the ember wire from the bag and separate the ember wire into two equal pieces. (Figure 48)
15. Carefully roll each piece in between the palms of your hands. (Figure 49).
16. Gently separate each piece of ember wire and flatten it out till it is approximately 1/2" wide by 3" long. See (Figure 50)

NOTE: USE PICTURES OF EMBER WIRE PLACEMENT TO ASSIST IN CORRECT PLACEMENT OF ALL PIECES. NOTE: PLACE A CLEAN PIECE OF PAPER UNDER THE EMBER WIRE WHEN HANDLING AND MANIPULATING IT TO CATCH LOOSE PIECES THAT FALL.

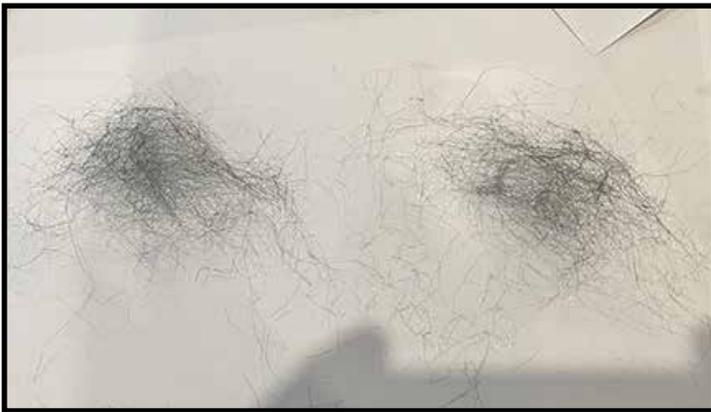


Figure 48: Ember wire.

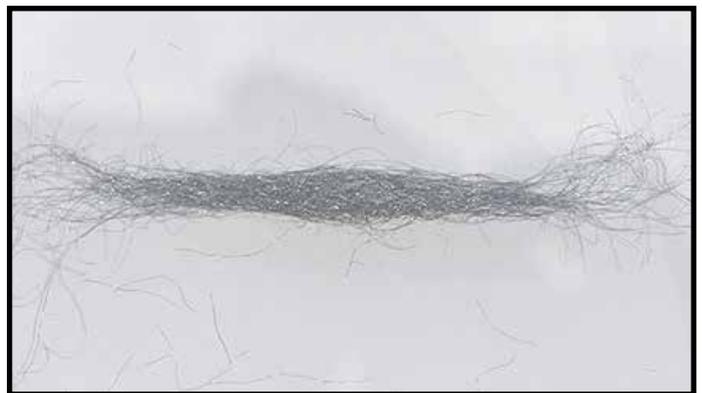


Figure 49: Ember wire rolled.

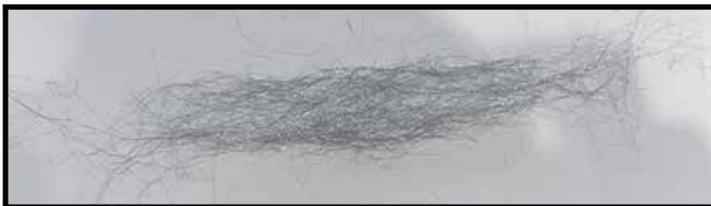


Figure 50: Ember wire flattened.

NOTE: IF INSTALLED, REMOVE LOGS #6 & #5 TO MAKE IT EASIER TO PLACE THE EMBER WIRE.

17. Using a thin flat object, i.e., a knife or flat screwdriver, gently insert approximately half of the first ember wire piece on the left side of the center burner. Ensure only half of the wire is pushed into the gap on the burner. (Figure 51)
18. The ember wire should be protruding from the gap as shown in (Figure 52).
19. Some small pieces of ember wire will fall out as you handle and manipulate the ember wire, these loose ember wires that are left can be scattered onto the small patch of ember wool on the center burner as shown in (Figure 53).



Figure 51: Ember wire placement one.

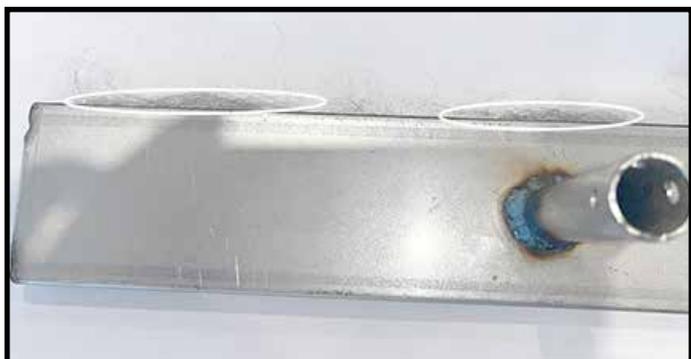


Figure 52: Ember wire placement two.

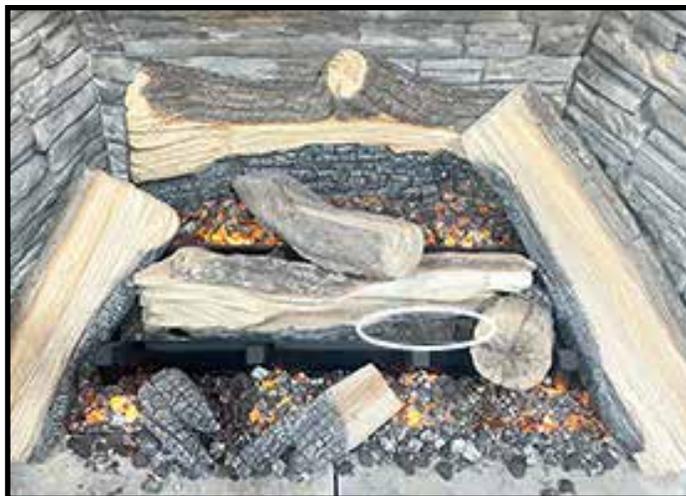


Figure 53: Excess ember wire placement.

WARNING:

DO NOT PLACE NEAR THE PILOT AREA.

Tease out the ember wire until they form a very loose, very light network. Try to ensure that clumps of ember wire are not formed. A loose network will allow gas to pass through them and ensure the maximum glow is attained.

Although the ember wires have a long life, they will eventually deteriorate. If this becomes apparent, replacement ember wire can be obtained from your local Town and Country Fireplace dealer.(SKU# 80003060)

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