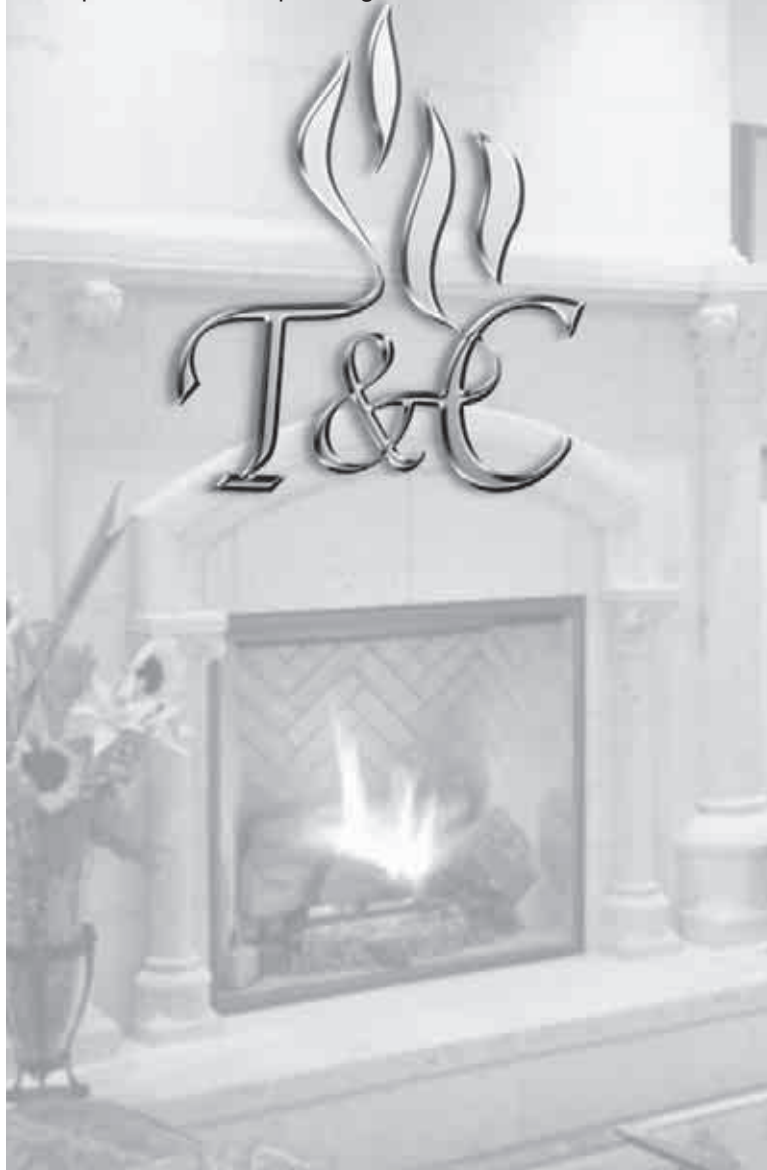


**INSTALLER: LEAVE THIS MANUAL WITH APPLIANCE**  
**CONSUMER: RETAIN THIS MANUAL FOR FUTURE REFERENCE**

These instructions are supplementary to the Installation and Operating Instructions supplied with the fireplace and should be kept together. Refer to the Installation and Operating Instructions for proper gas supply, safety requirements and operating instructions.



**TOWN & COUNTRY  
FIREPLACES™**

**TC54  
COUNTRY HOME  
BURNER KIT  
TC54.LP02.C  
(PROPANE ONLY)**



**PART# TC54.LP02.C**



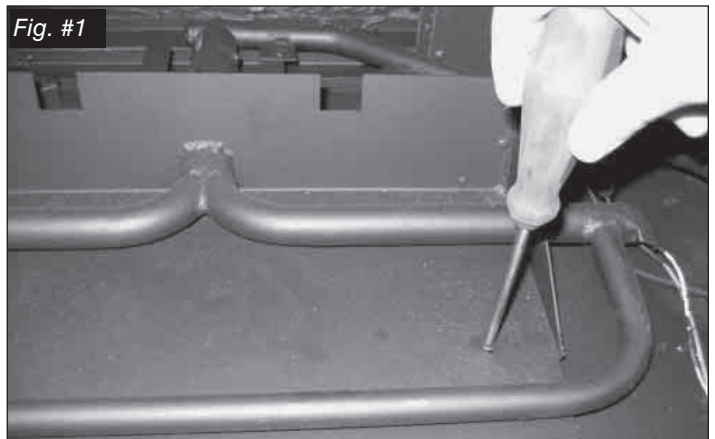
## Package Contents

- BURNER ASSEMBLY (including pilot, manifold and ceramic fibre filler pieces)
- LOG GRATE (including upper burner and pilot assembly)
- LOG PACK
- EMBER MATERIAL (two bags)
- HARDWARE PACKAGE



## Burner / Grate Installation

1. Attach the lower burner assembly to the floor of the firebox with two screws. (Fig. # 1)



2. Attach the manifold supply tube from the lower burner to the front bulk head fitting and tighten. (Fig. # 2) Ensure that there are no leaks.

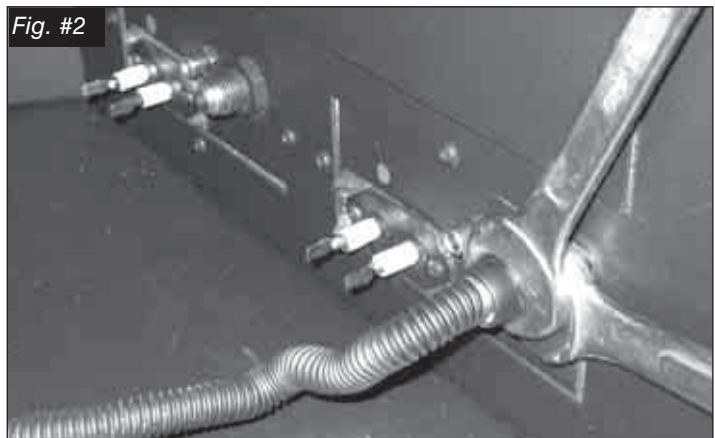
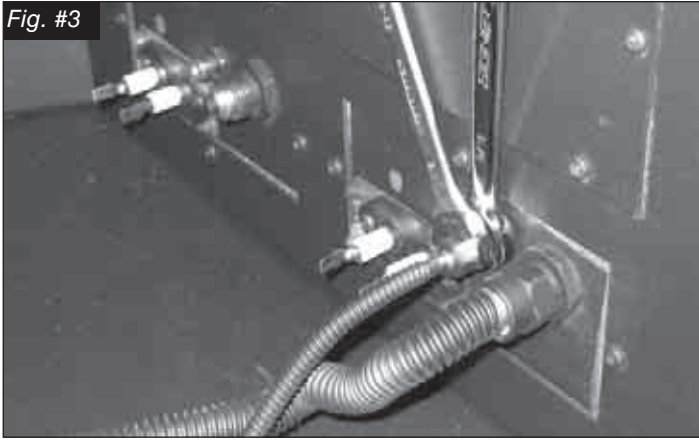
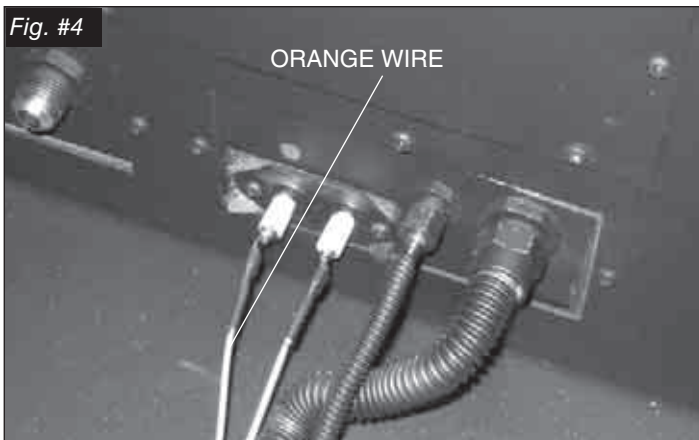


Fig. #3



3. Attach the pilot supply tube from the lower burner pilot to the front bulk head fitting and tighten. (Fig. # 3) Ensure there are no leaks.

Fig. #4



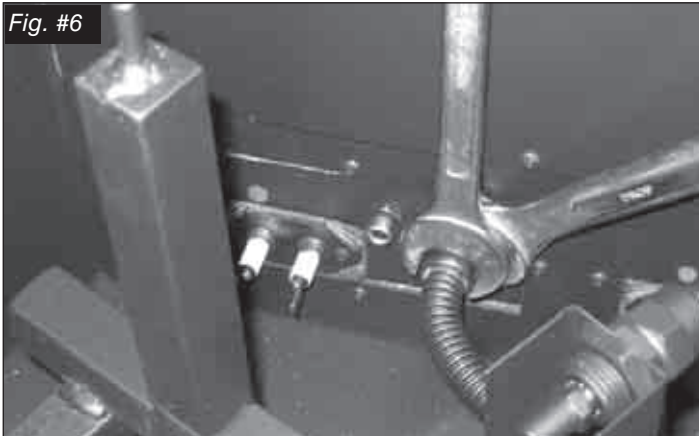
4. Attach spark electrode (ORANGE) and sensor leads from lower burner pilot to the front electrical bulk head. ( Fig. # 4) (The spark electrode connection has a red dot above it)

Fig. #5



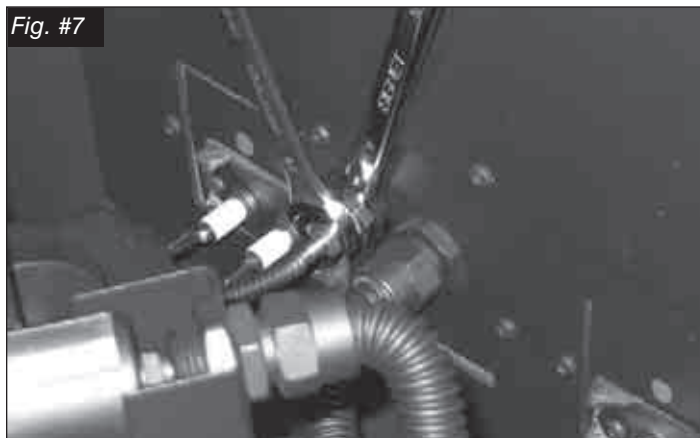
5. Position the grate and attach it to the floor with two screws located behind the front legs. (Fig. # 5)

Fig. #6



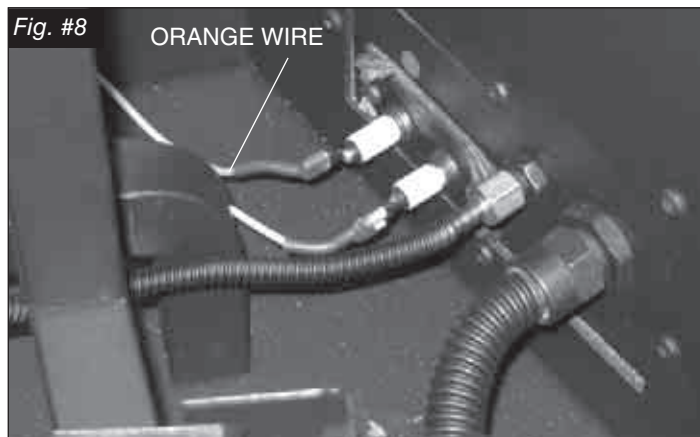
6. Attach the manifold supply tube from the upper burner to the rear bulk head fitting and tighten. (Fig. # 6) Ensure that there are no leaks.

8. Attach the pilot supply tube from the upper burner pilot to the rear bulk head fitting and tighten. (Fig. # 7) Ensure there are no leaks.



9. Attach spark electrode (ORANGE) and sensor leads from upper burner pilot to the rear electrical bulk head. (Fig. # 8) (The spark electrode connection has a red dot above it)

**A panel set must now be installed. See Installation and Operating Instructions manual for details.**



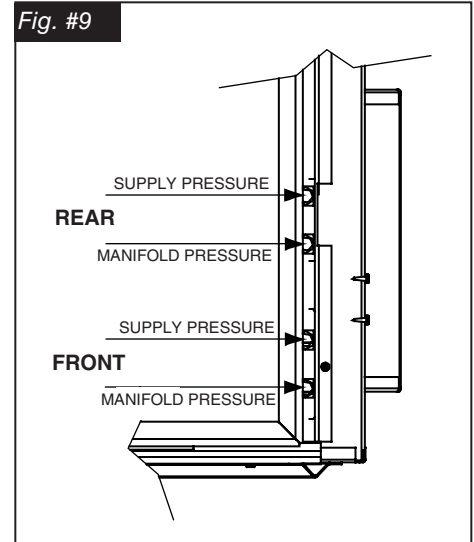
# Gas Pressure Check

**Note:** To test the gas pressure, turn off the gas supply before removing the plug from the supply pressure test port or manifold pressure test port.

There are four ports on this fireplace the top two are connected to the rear burner and the bottom two are to the front burner. Manifold pressures should be checked on both to ensure they are correct.

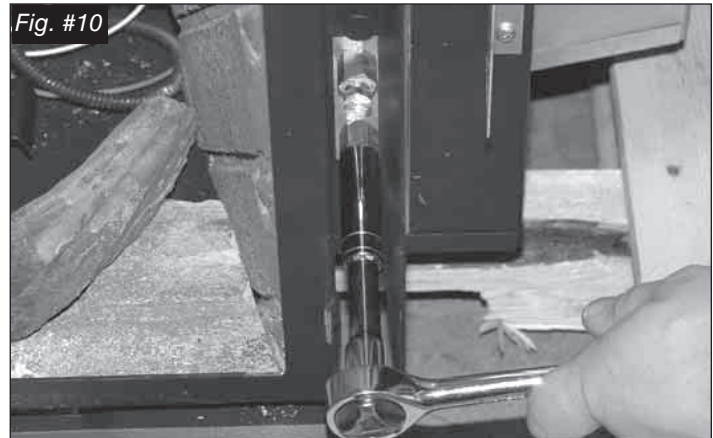
Verify gas pressures with the fireplace lit and on the highest setting.

1. Remove the plug from the pressure test port. The plug is located between the right side lintel and firebox side. (Fig. # 9 & 10)



## CORRECT GAS PRESSURE REQUIREMENT:

Supply Pressure	Propane
Minimum	12.5" wc
Maximum	13.9" wc
Manifold Pressure	
Maximum	11.0" wc
Minimum	5.5" wc



2. Thread the extension test fitting into the open test port. (Fig. # 11)
3. Attach a pressure gauge onto the fitting.
4. When testing is complete, shut off the gas, remove the fitting and replace the plug. Thread sealant will be required to ensure a gas tight connection.





# Ember Material

Before adding the ember material please ensure that the ceramic fibre filler pieces are correctly located in the burner as per figure #12.

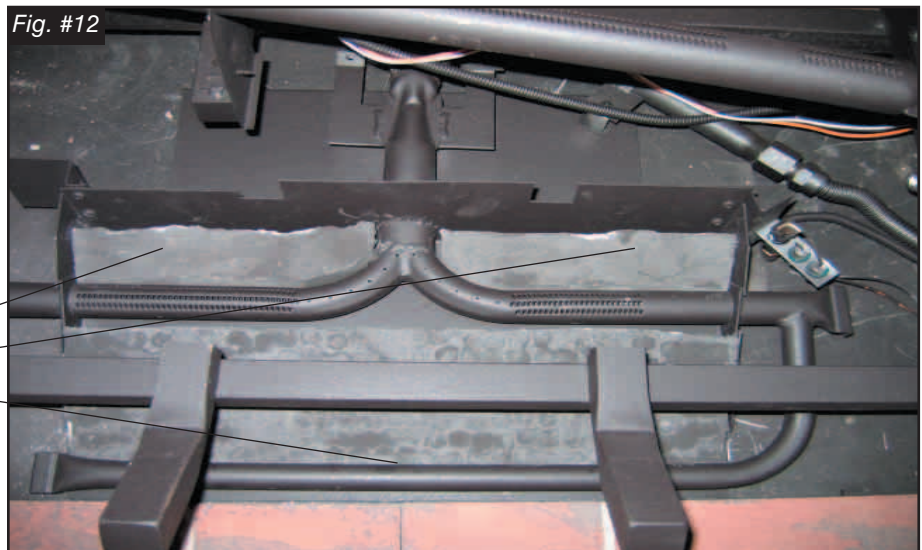
Two bags of ember material is shipped with the fireplace and need to be installed to ensure optimum performance and flame appearance.

Pull apart the material into ember size pieces (approximately 1" squares) and gently place them into the lower burner pan. Do not compress, leave it loose for best performance. Fill the lower burner pan level with the top of the pan at rear, and gradually slope forward to the firebox floor, covering both lower burner tubes. Place remaining ember material outside of the burner pan as desired to cover-up gas lines and brackets.

Note: Ember material placement and amount will affect flame appearance. More ember material results in lower flame height. Add or remove as needed until desired flame affect.

Fig. #12

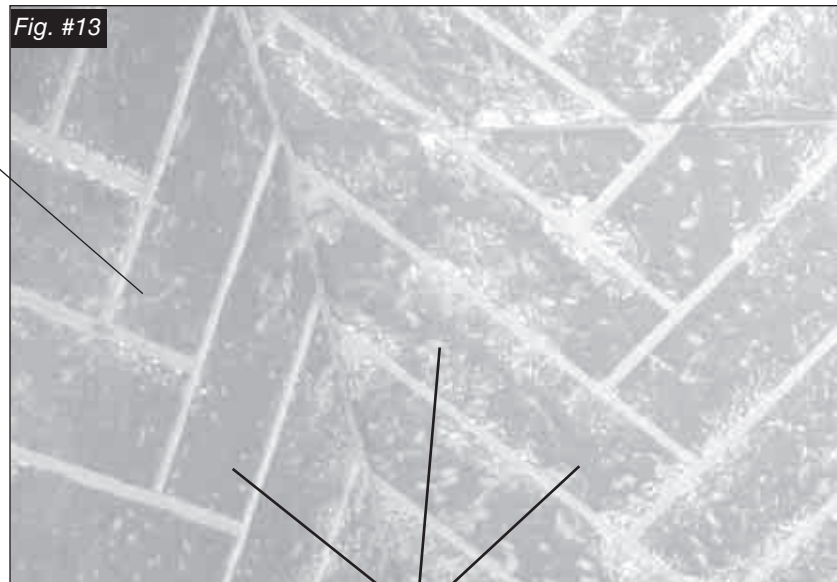
CERAMIC FIBRE FILLER PIECES



Ember Material Placement

LOG GRATE

Fig. #13



GLOWING EMBERS

# Log Set Assembly

The logs are fragile, and should be handled with care. Unpack and inspect log set. There should be a total of seven logs. Gas plumbing and vent connections should be completed before proceeding.

Position the logs exactly as indicated by the following pictures. The three main logs have holes and / or pins. Engage each pin in the corresponding holes. The four smaller logs do not have holes or pins. They rest in position. Locate as per the diagrams (Fig. # 14-20)

**Note: Improper placement of logs will cause sooting on internal parts and glass. The logs may need to be repositioned slightly to avoid excessive flame impingement.**

Fig. #14



Fig. #16



Fig. #15

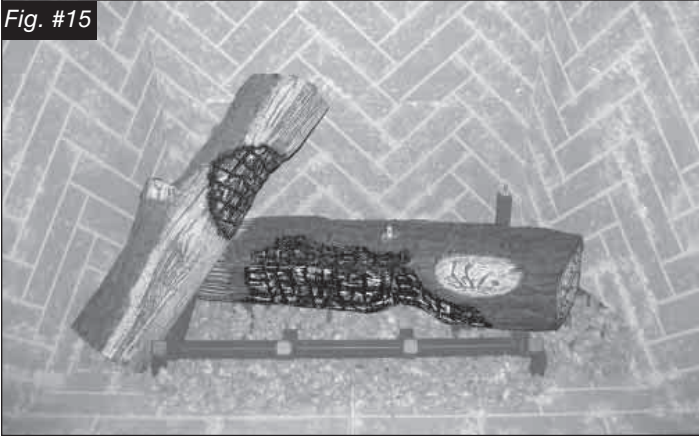


Fig. #17



Fig. #18



Fig. #19

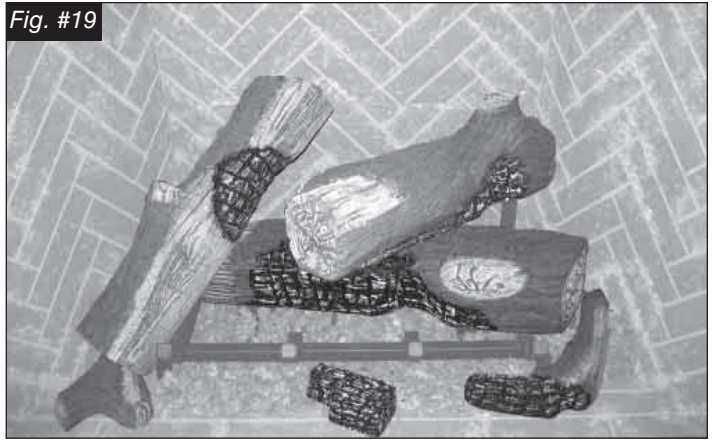
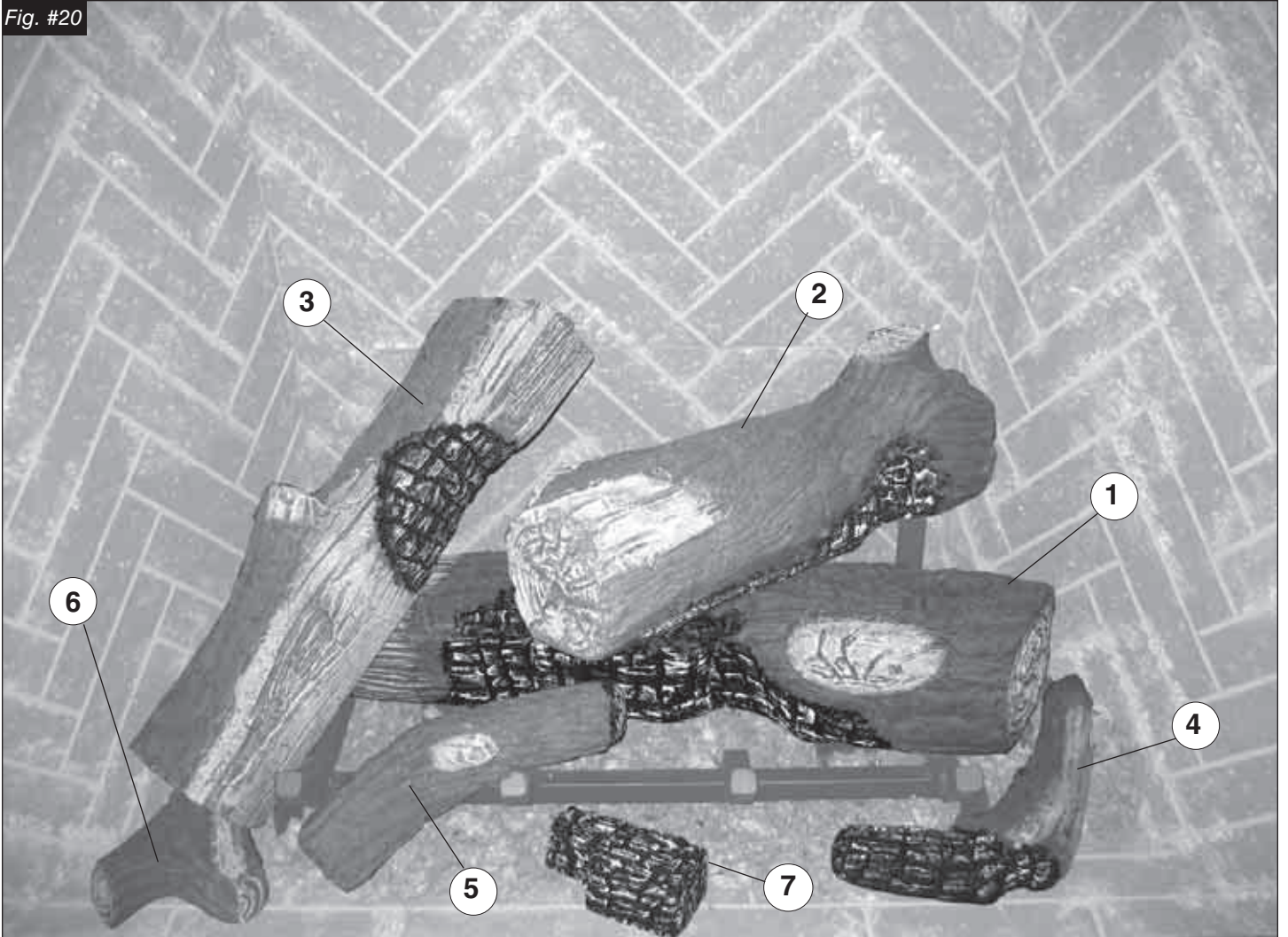


Fig. #20





# Burner Flame Adjustment

An air shutter on each of the burner tubes controls the primary combustion air to the gas burner and is preset OPEN at the factory for propane fuel. Some adjustment may be necessary to obtain desired flame. Evaluate flame appearance after the fireplace has reached operating temperature. See Fig. #21 for proper flame pattern.

**Caution: Burner area may be hot!**

Turn off the fireplace and allow the unit to cool before proceeding.

**To Adjust:** (See Fig. # 22)

1. Open and remove window frame and set aside. See "Window Frame Removal" section found in the Installation and Operating Instructions manual.
2. Remove the logs and set aside.
3. Loosen the screw in the Primary Air Shutter.
4. Rotate the shutter to increase or decrease the amount of primary air.

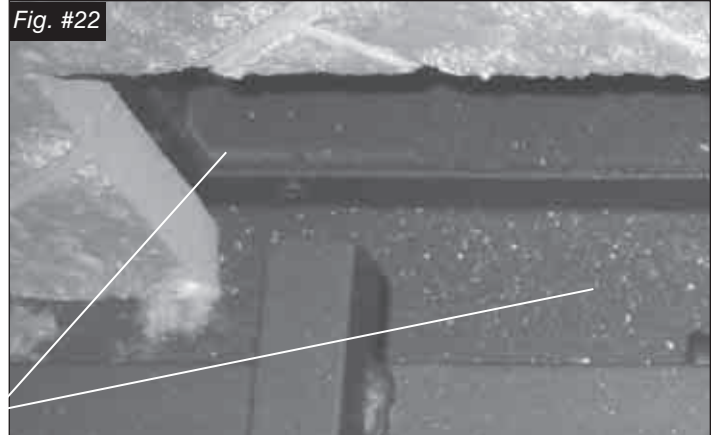


Fig. #22

PRIMARY AIR SHUTTERS

The flame should be just orange and "lazy". It should NEVER be set to create soot on internal parts and glass.

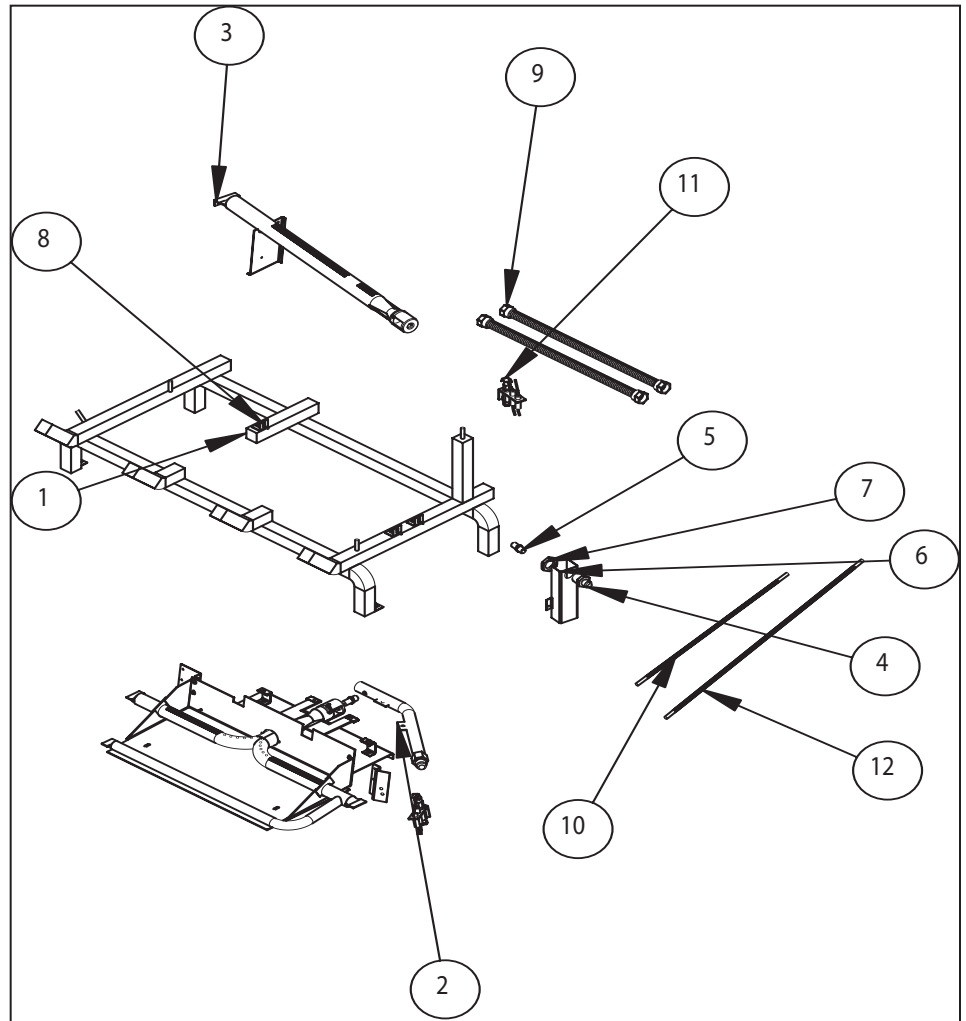


Fig. #21

# Replacement Parts

ITEM	DESCRIPTION	PART NO.
1	LOG GRATE ASSEMBLY .....	TC54.8181
2	LOWER BURNER ASSEMBLY .....	TC54.90859
3	BURNER, TC54, REAR .....	5011.8302.B
4	FITTING, ORIFICE INLET.....	5019.21
5	ORIFICE (LP) #43.....	5021.32
* 6	UPPER BURNER BRACKET .....	8187.5
7	1/2-14NPT BRASS LOCKNUT.....	5021.01
9	FLEX, 1/2" LINE , DORMONT.....	5019.223
10	FLEX, 1/4" LINE , DORMONT, 16" .....	5019.225
11	PILOT ASSEMBLY.....	5005.025
12	FLEX, 1/4" LINE , DORMONT, 24" .....	5019.227
	LOG SET, COMPLETE.....	5098.74615
	REAR, #1 (shown in fig.#20).....	5098.74615.1
	RIGHT, #2 (shown in fig.#20).....	5098.74615.2
	LEFT, #3 (shown in fig.#20) .....	5098.74615.3
*	BOTTOM RIGHT, #4 (shown in fig.#20) .....	5098.74615.4
	BOTTOM CENTRE, #5 (shown in fig.#20).....	5098.74615.5
	BOTTOM LEFT, #6 (shown in fig.#20).....	5098.74615.6
	MIDDLE, #7 (shown in fig.#20) .....	5098.74615.7

\*Sold only in sets



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# Notes



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