

**INSTALLER: Leave this manual with the 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**  
LUXURY FIREPLACES

## **TC36ST SEE-THRU LODGEWOOD BURNER AND PANEL KIT INSTRUCTIONS**



**PART# TC36ST.NGST07D**  
**For TC36ST Series D**  
**Fireplaces**



## Package Contents

- TC36DST.NGST07DA - EMBER BED/BURNER & GRATE ASSEMBLY
- TC36DST.NGST07DB - 6 PCS LOG SET
- TC36DST.NGST07DC - FLOOR, END CAPS & SIDE PANEL SET

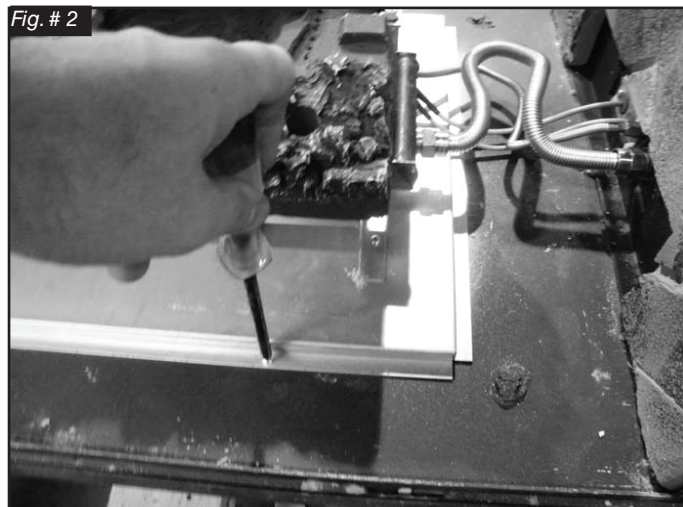
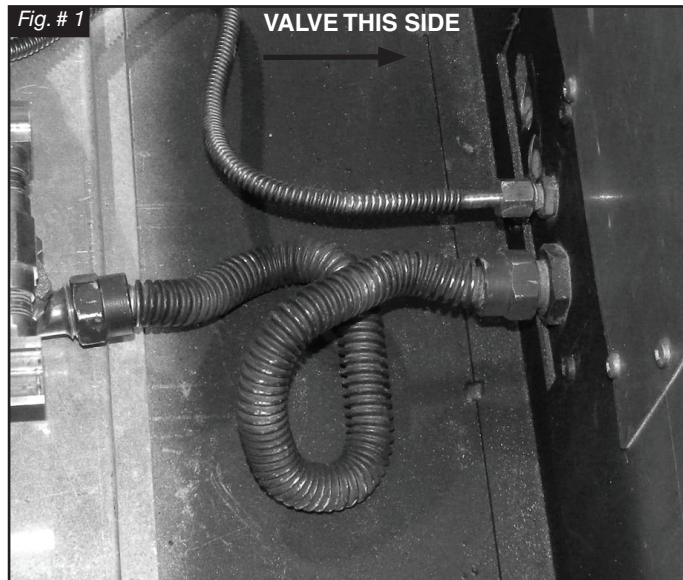
**NOTE: If unit is to be converted to Propane, see Propane conversion instructions on page 13 before proceeding.**

The air shutters on the burner control the primary combustion air to the gas burner and are pre-set to 1/8" open at the factory for natural gas fuel. Some adjustment may be necessary to obtain desired flame and to eliminate carbon deposits.

## Burner/Grate Installation

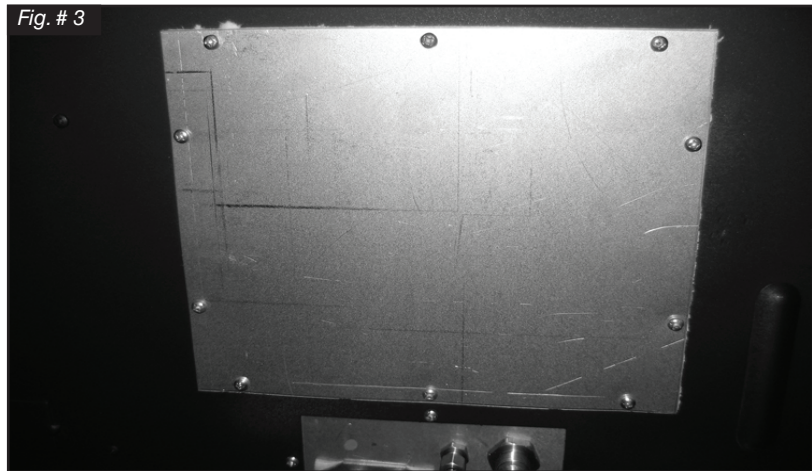
In these instructions the right and left sides of the fireplace are referenced during the installation process. The right side of the unit has the control access cover in it.

1. Connect the flex hoses from the pilot and the main burner supply to the bulkhead fittings on the firebox(Fig. # 1).
2. Attach the burner/grate assembly to the floor of the firebox with four screws (Fig. # 2).

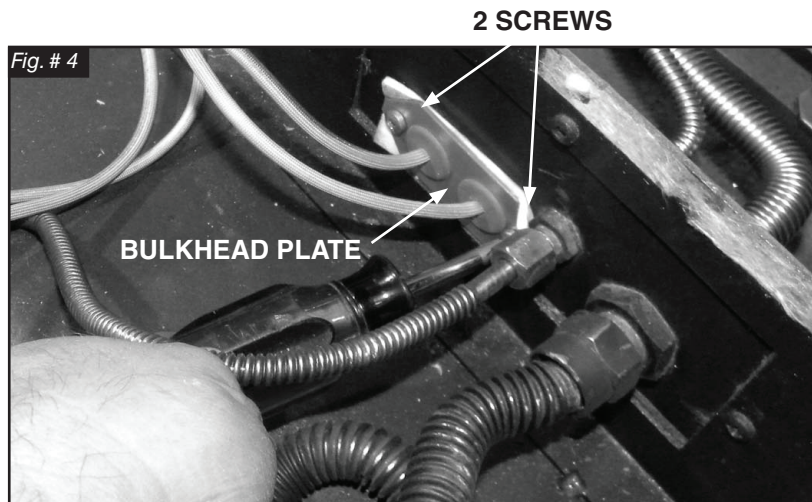




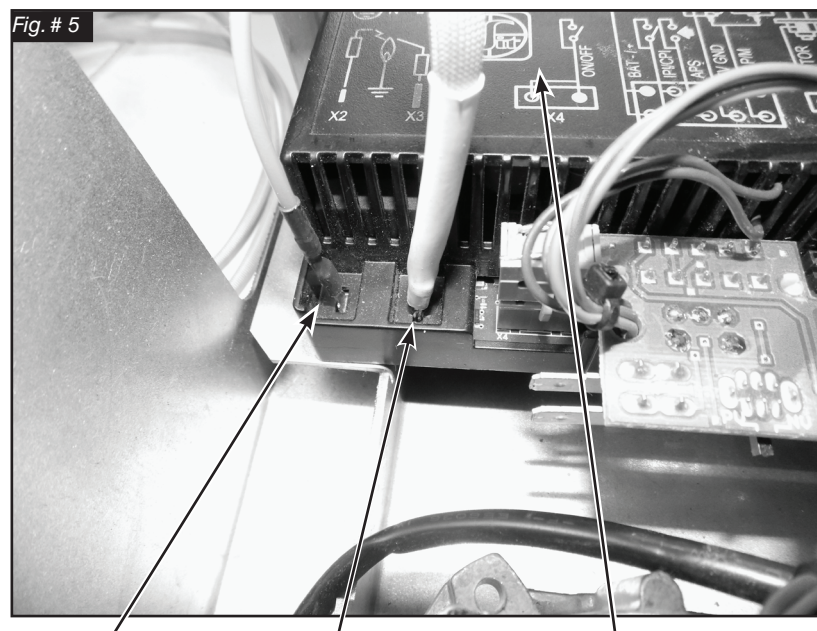
3. Remove access cover from side of firebox(Fig. #3).



4. Secure the electrical bulkhead plate and gasket to the firebox. (2 X #8 SMS screws) Attach the ignition and sensor wires to the module.(Fig. # 4 & 5).



5. Replace access cover and gasket.



IGNITION WIRE  
(RED)

FLAME SENSOR  
WIRE (WHITE)

INTERFACE MODULE

# Panel Installation

1. Remove panel retainer clips, one on each side of the firebox. Insert bottom of valve side panel and tilt up into place then reinstall panel retainer clip (Fig. # 6 & 7). Repeat on opposite side.

Fig. # 6

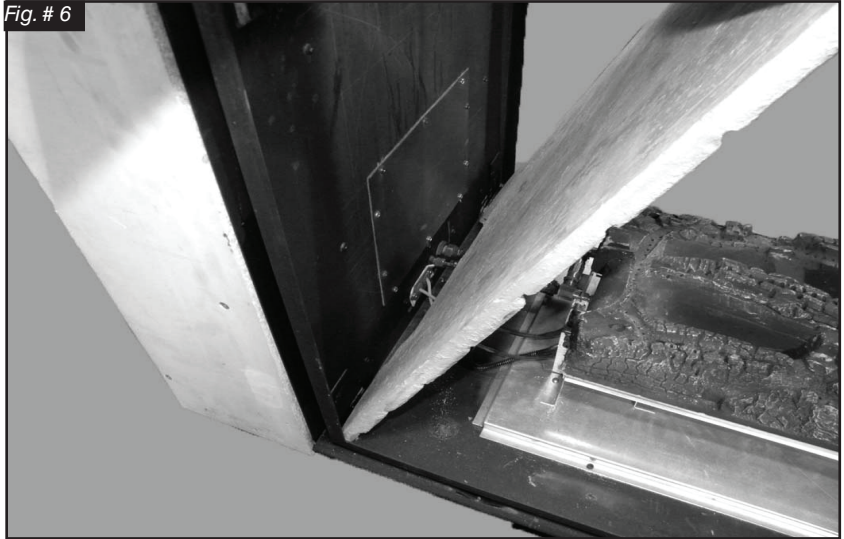
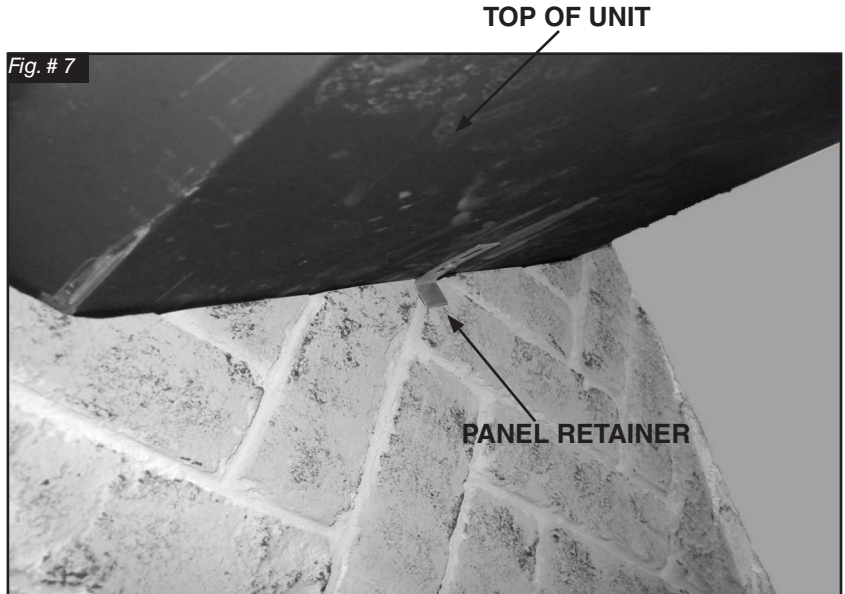
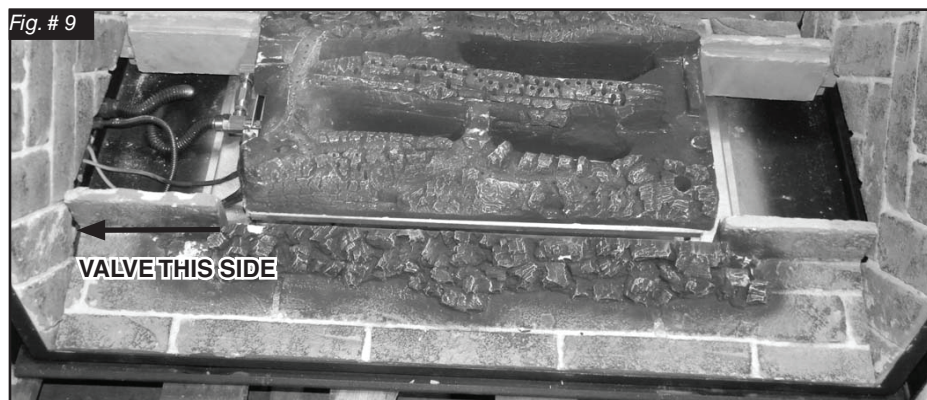


Fig. # 7

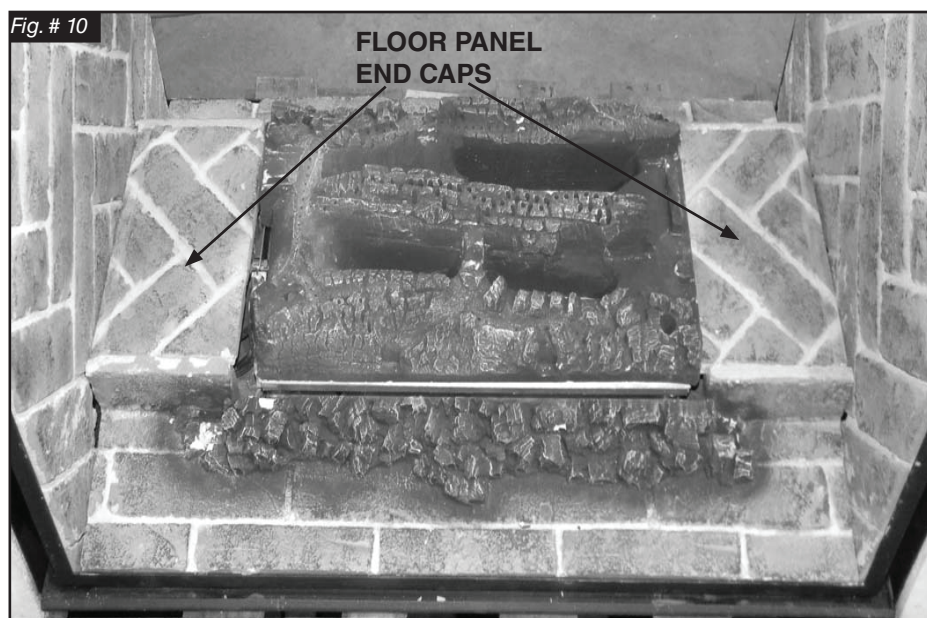




2. Install the floor panels as shown (Fig. # 8 & 9).



3. Install the floor panel end caps over the gas connections and the air intake (Fig. # 10).

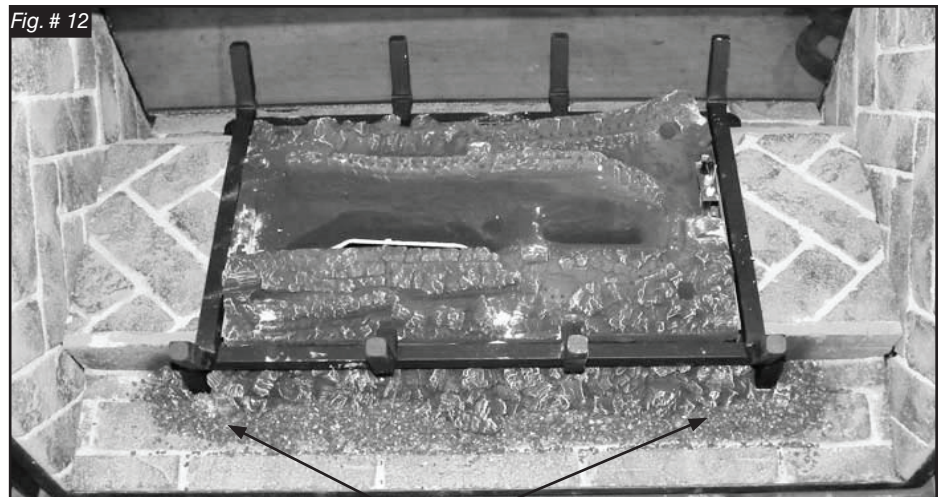


4. Install the log grate as shown (Fig. #11).



**EMBER EDGE**

5. Spread the black vermiculite evenly along the edge of the embers on both sides as shown (Fig. #11 & #12).



**BLACK VERMICULITE**



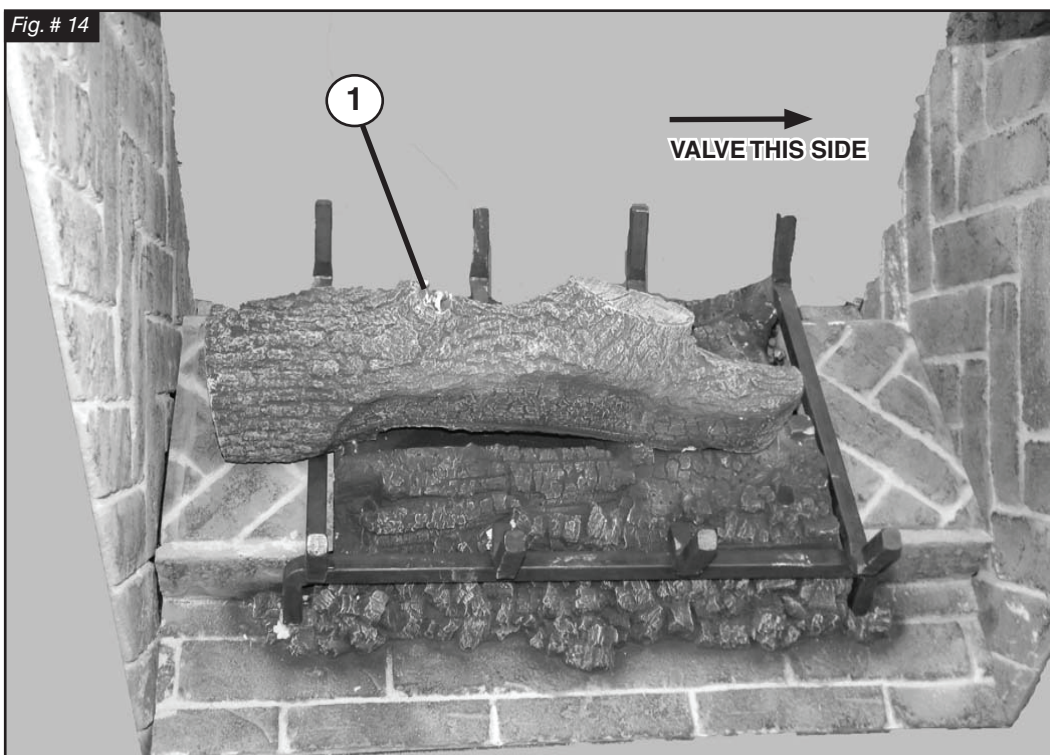
# Log Set Assembly

The logs are fragile and should be handled with care. Unpack and inspect log set. There should be a total of 6 logs. Gas plumbing and vent connections should be completed before proceeding. Position the logs as indicated by the following pictures.

## Step 1

### #1 LOG PLACEMENT

1. Align the notch in #1 log with the location tabs on the burner assembly (Fig. #13 & #14).

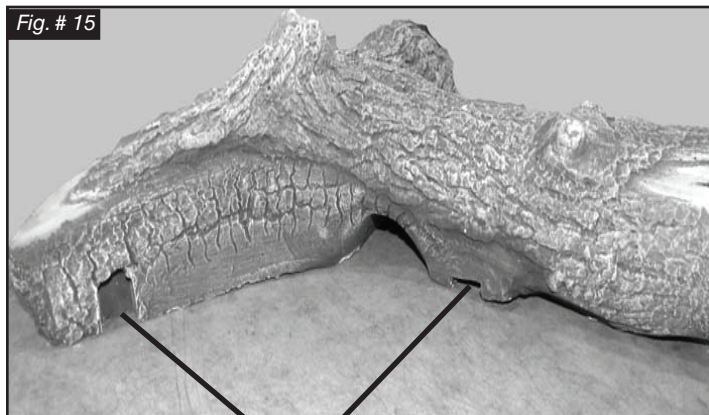




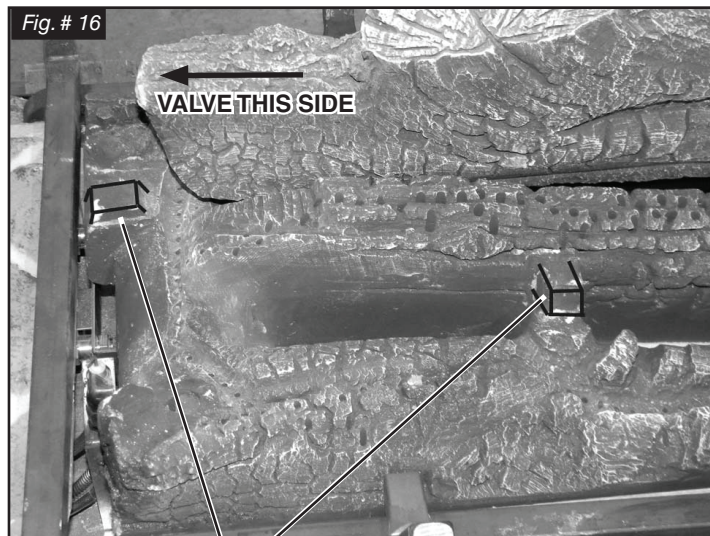
## Step 2

### #2 LOG PLACEMENT

2. Place the notches in #2 log onto tabs on burner assembly.

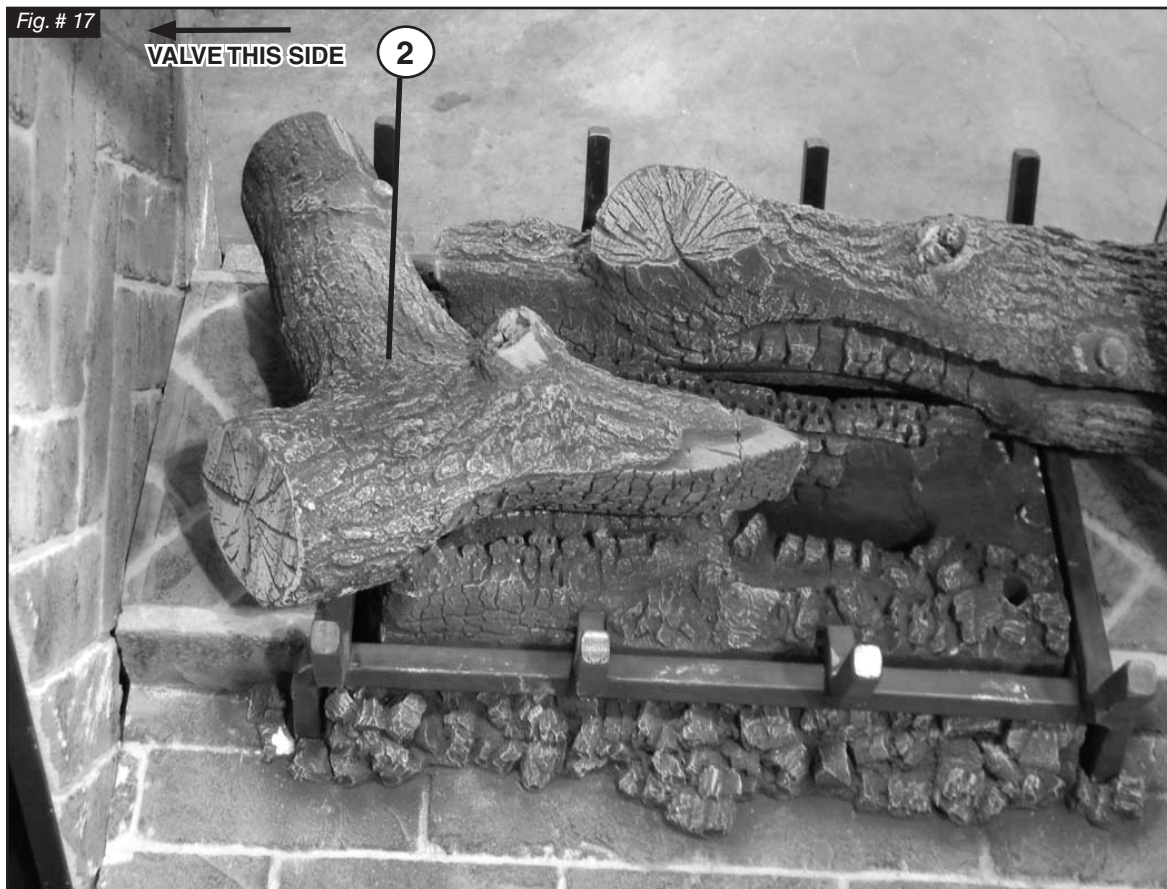


NOTCHES



TABS

2. #2 log installed as pictured.





## Step 3

### #3 LOG PLACEMENT

3. Install the #3 log onto the grate straddling the grate as shown. The hole in the underside of Log #3 fits on the pin on Log #2.

Fig. # 18

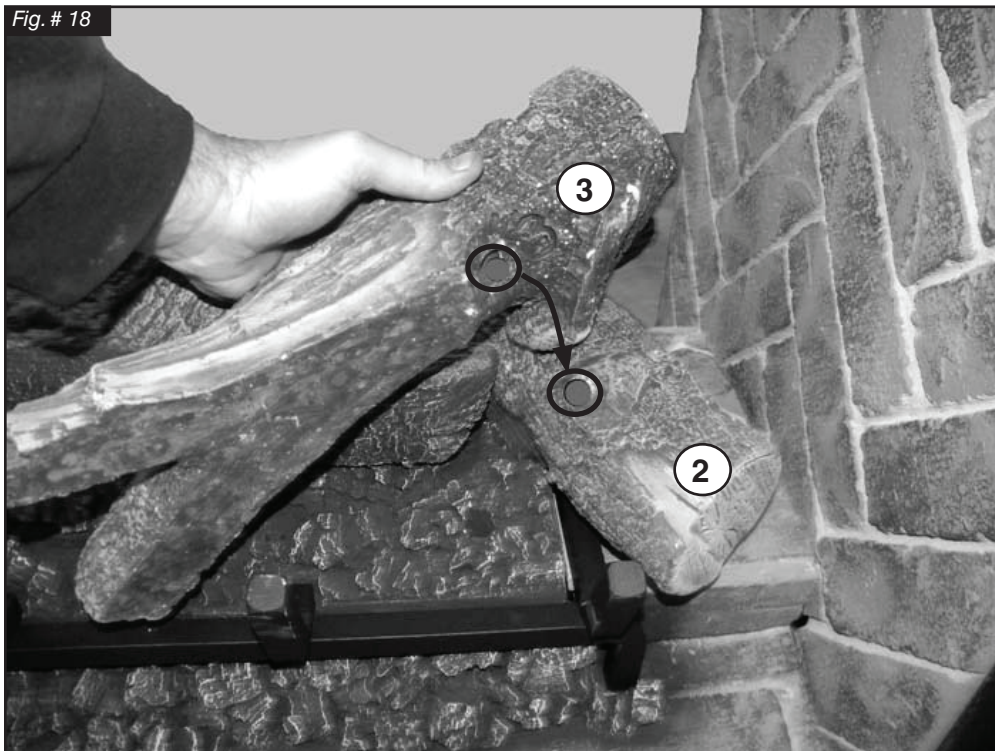
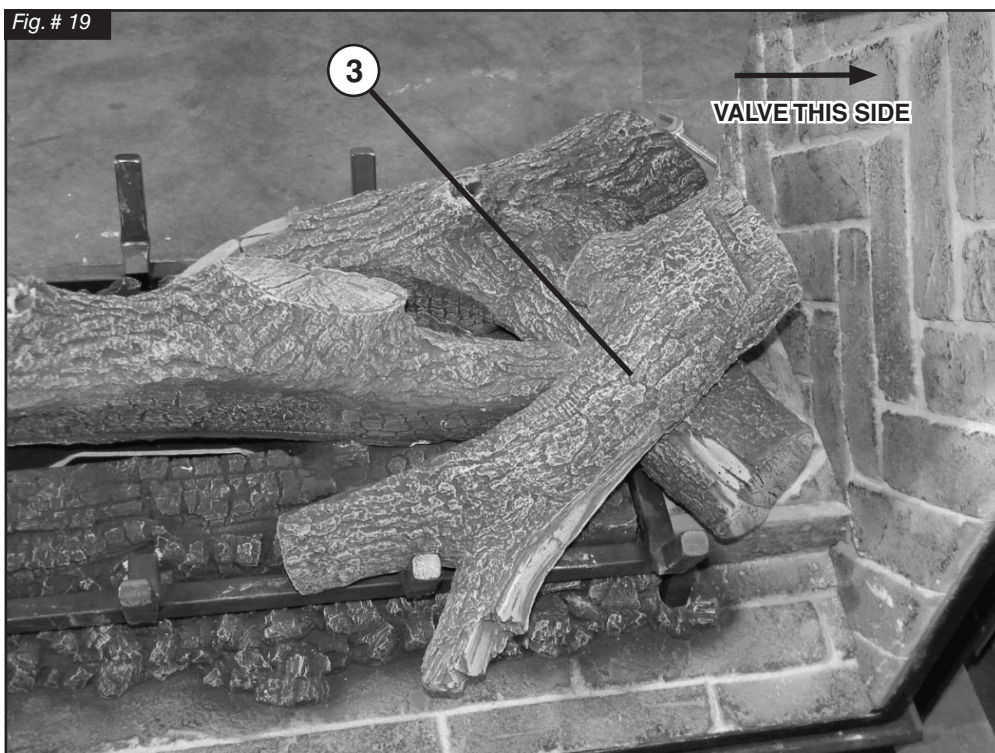


Fig. # 19



## Step 4

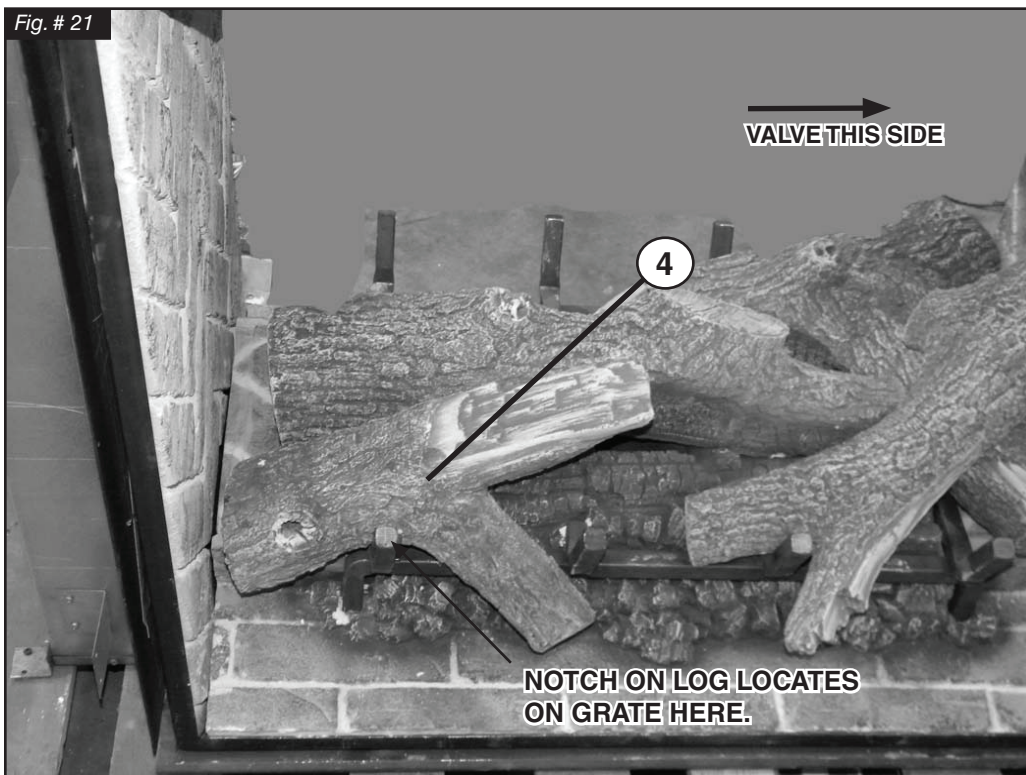
### #4 LOG PLACEMENT

4. Install the #4 log on the left end of the grate. Engage notches as shown.

Fig. # 20



Fig. # 21





## Step 5

### #5 LOG PLACEMENT

5. Place the #5 log as shown. The hole on the underside of Log #5 fits on the pin in the burner assembly.

Fig. # 22

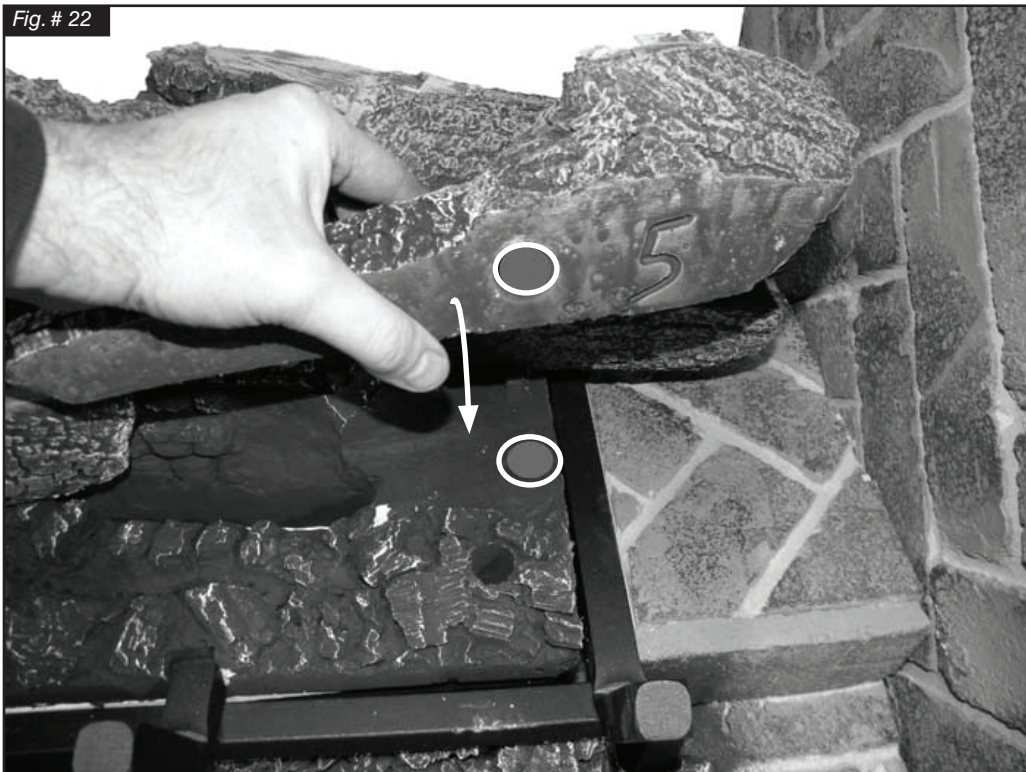


Fig. # 23





## Step 6

### #6 LOG PLACEMENT

6. Place the #6 log as shown. The hole on the underside of Log #6 locates on the pin on Log #1.

Fig. # 24

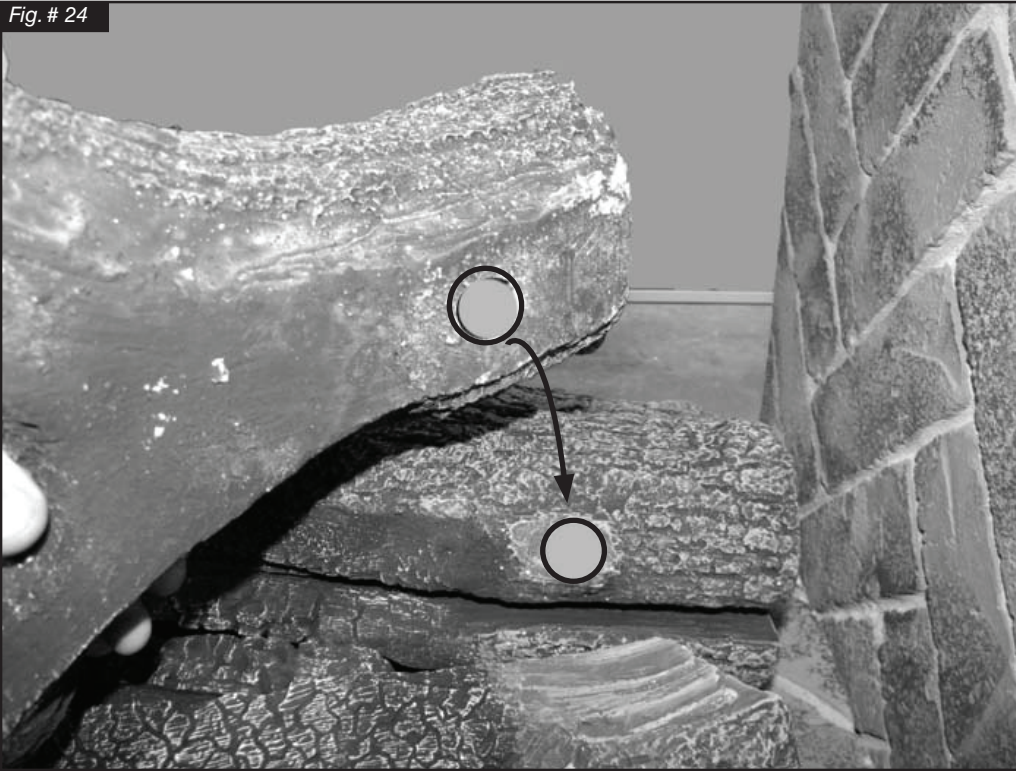
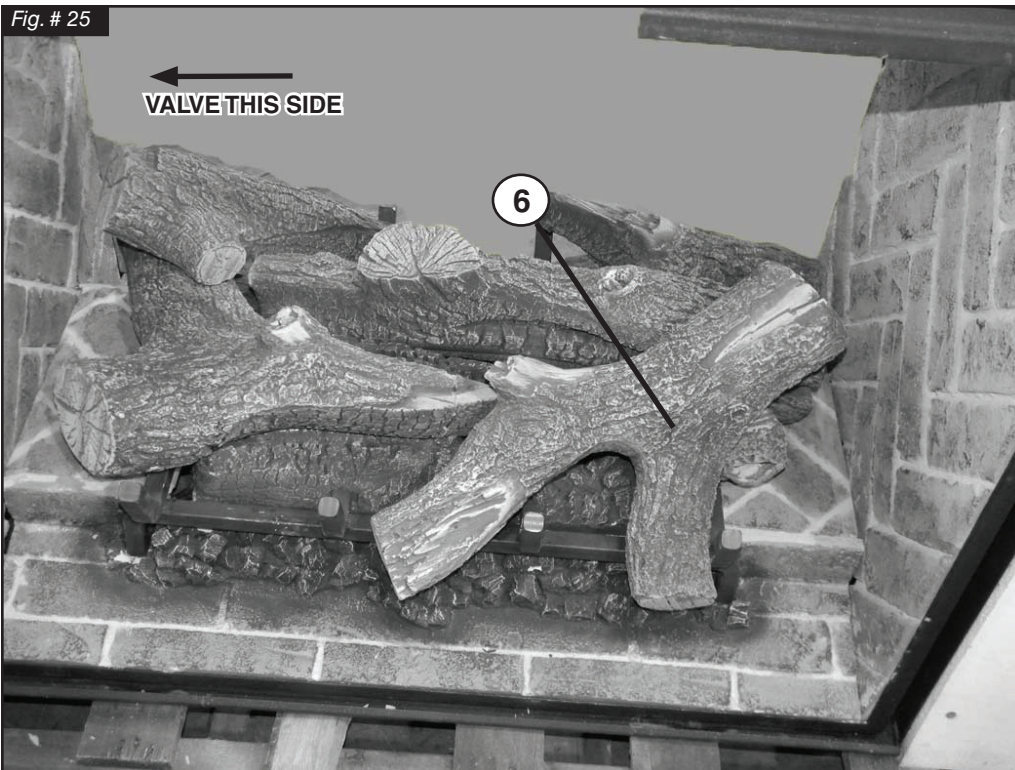


Fig. # 25



**Note:** Improper placement of logs will create soot on internal parts and glass.



# Burner Flame Adjustment

The air shutters on the burner control the primary combustion air to the gas burner and are pre-set to 1/8" open at the factory for natural gas fuel. Some adjustment may be necessary to obtain desired flame and to eliminate carbon deposits. Evaluate flame appearance after the fireplace has reached operating temperature (See Fig. #28 for proper flame pattern.).

Open primary air if the logs, glass, and firebox have carbon accumulation and/or the flames are long, dark and stringy.

## Caution: Burner area may be hot!

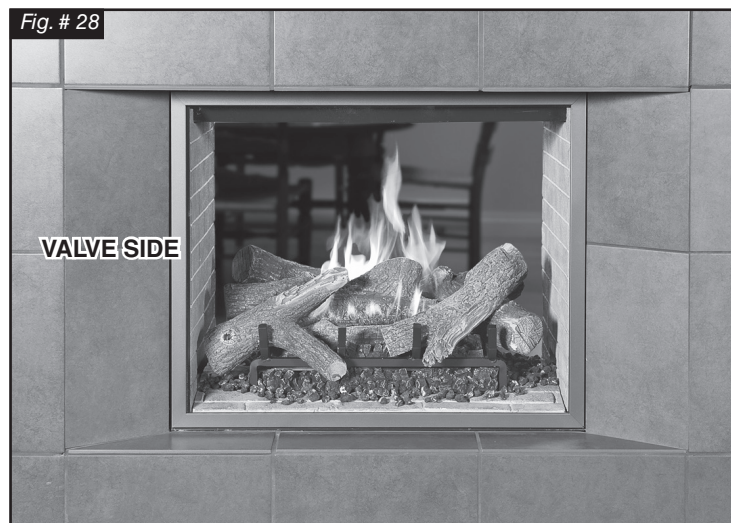
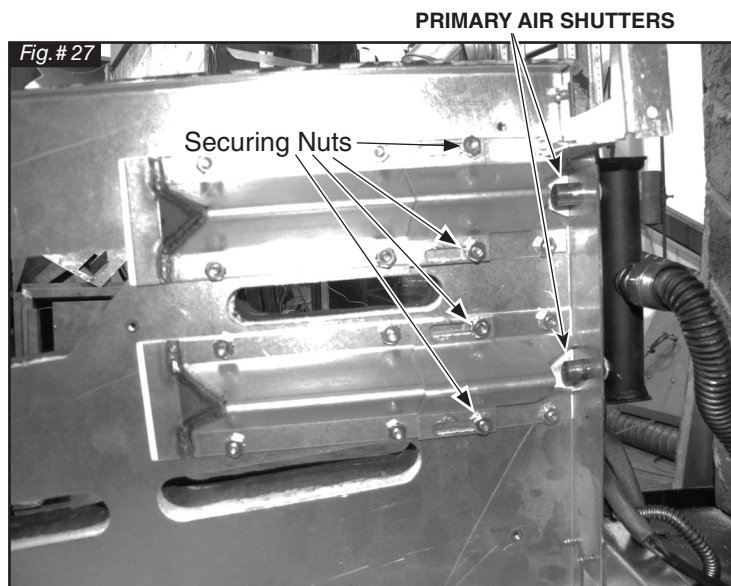
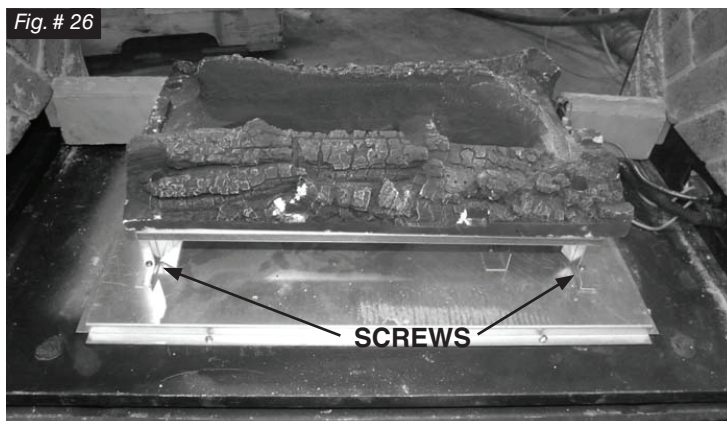
Turn off the fireplace and allow the unit to cool before proceeding.

## To Adjust:

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 log set, grate and brick panels.
3. Remove the 4 screws securing the burner to the base plate (Fig #26).
4. Carefully tilt the burner to access the primary air shutters. With a 3/8" socket, loosen the nuts securing the air shutters (Fig. #27).
5. Adjust the shutter to increase or decrease the amount of primary air.
6. Tighten the nuts securing the air shutters and reassemble in reverse order.

## Caution: Proper air shutter setting is a must.

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



# Propane Conversion

If the unit is to be used on propane, convert as follows using the components supplied with this burner:

## CAUTION

The gas supply and electrical power must be shut off before proceeding with the conversion.

Note: Factory supplied components must be used to ensure correct input. After conversion confirm proper manifold pressure.


## WARNING

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction.

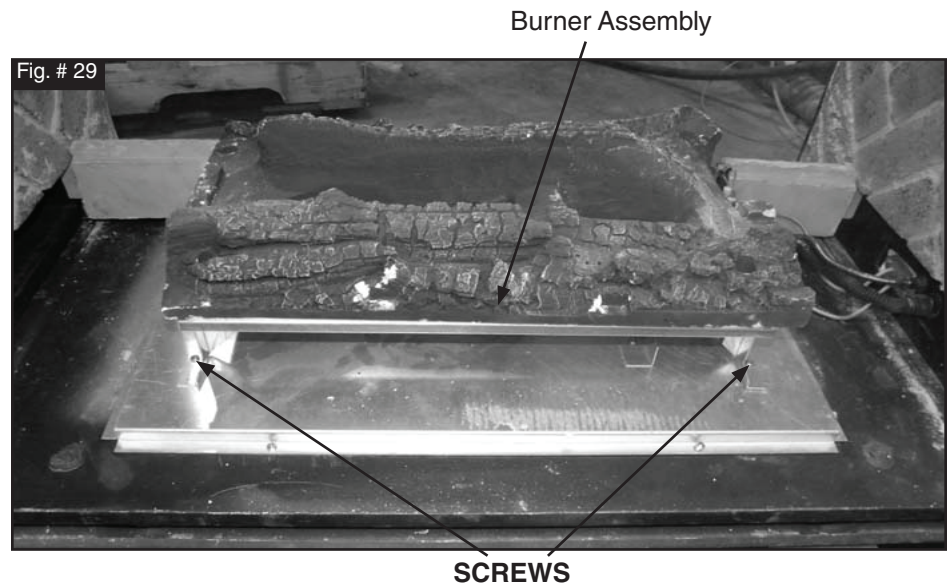
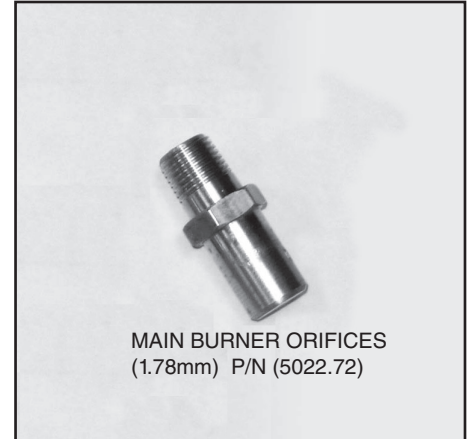
If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life.

The qualified service agency is responsible for the proper installation of this kit.

The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

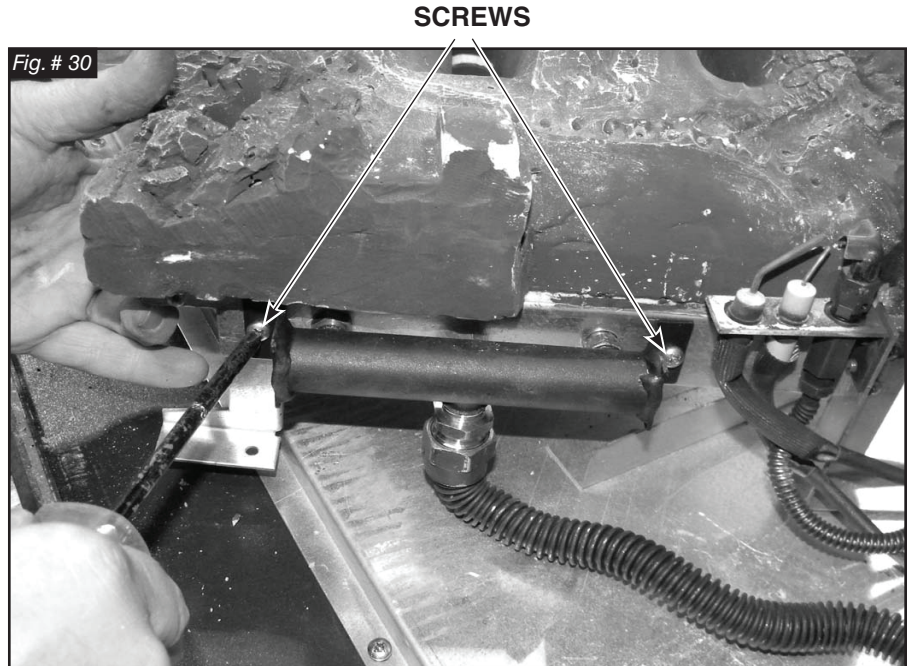
	Kit # TC36ST_D.LPDSB/ESC for use with model:	TC36STNG01
	Pour utiliser avec du modèle:	TC36STNG07
Date:		
By / Par:		
<b>LP GAS/ DU GAZ LP</b>		<b>PACIFIC ENERGY</b>  This appliance was converted to PROPANE GAS with this kit on this date by the organization which accepts the responsibility that this conversion has been properly made. / Cet appareil est converti au gaz LP par l'emploi de la trousse de conversion par une organisation qui accepte la responsabilité pour une installation en bon état.
12.5 in/wc / 12.5 po/c.e. (3.11 kPa)		
13.9 in/wc / 13.9 po/c.e. (3.45 kPa)		
10.0 in/wc / 10.0 po/c.e. (2.49 kPa)		
1.78 mm		
Max.: 61,000Btu (17.8kw)		081014 6-TC36ST_D 5052,52083D
Min.: 47,000Btu (13.7kw)		

1. Ensure the burner, pilot and gas supply are turned off, and the appliance has cooled.
2. Note log positions and carefully remove them (if installed).
3. Remove the log grate and brick panels (if installed).
4. Remove the 4 screws holding the burner tray to the base plate. (Two on either side.) (Fig. #29).

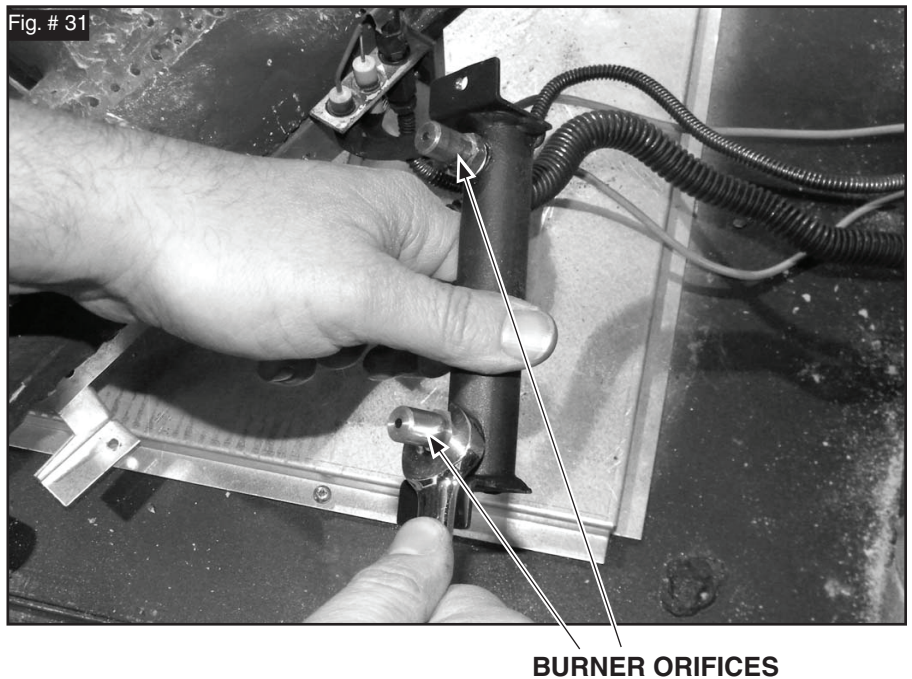




5. Remove the two screws securing the manifold bracket to the burner (Fig #30).

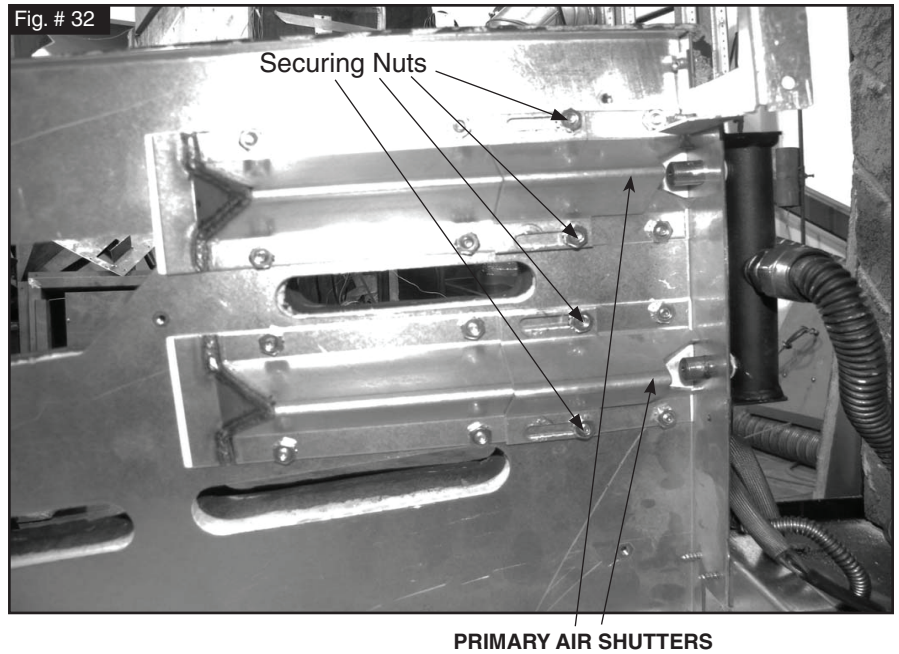


6. Using a 1/2" wrench, undo the natural gas burner orifices, (marked #32) (Fig. #31).
7. Apply a small amount of pipe joint compound to the threads of the propane burner orifices (marked **1.78**) to ensure a good seal, before screwing them into the manifold.
8. Reposition the manifold assembly and fasten in place with screws previously removed.

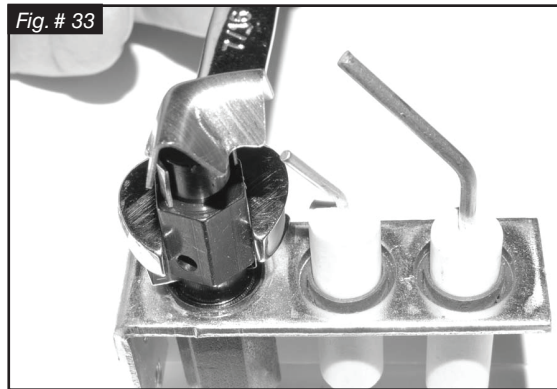


9. Carefully tilt the burner to access the primary air shutters on the underside of the burner. With a 3/8" socket, loosen the nuts securing the air shutters. Open primary air shutters fully and retighten nuts (Fig# 32).

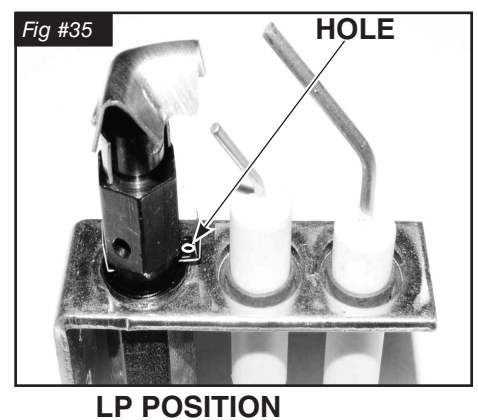
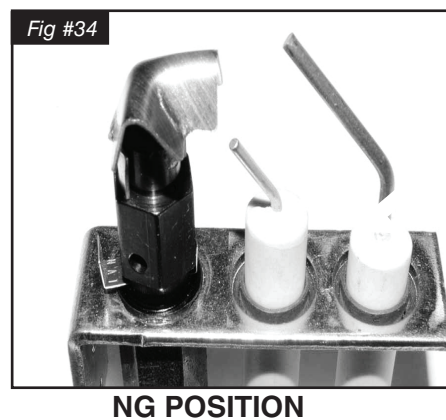
10. Secure burner to the base plate using the 4 screws previously removed.



11. With a 7/16" wrench loosen the pilot head on the pilot assembly (Fig. #33).



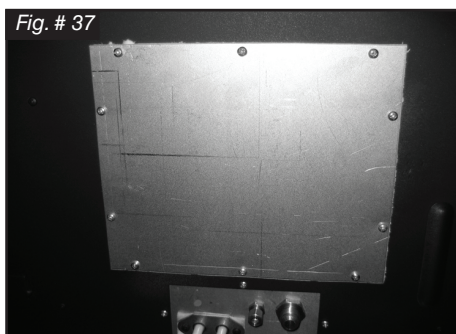
12. Slide the pilot adjustment band over and ensure that the hole in the orifice band is showing (Fig. #34 indicates NG position, Fig. #35 indicates LP position).





13. Fill in the date and the name of the person who performed the conversion in the white area on the conversion label (Fig. #36). Peel off the protective backing and apply the conversion label directly over the gas specifications on the rating label.
14. Attach the access panel to the side of the firebox with the previously removed screws. (Fig. #37)

**Note: Gasket must be installed with access panel.**



**Fig. #36**

ADD DATE		ADD NAME	
Kit # TC36ST_D.LPDSB/ESC for use with model: Pour utiliser avec du modèle: TC36STNG01 TC36STNG07 SERIES D		<b>PACIFIC ENERGY</b>	
Date: _____		By / Par: _____	
<b>LP GAS/ DU GAZ LP</b>			
12.5 in/wc / 12.5 po/c.e. (3.11 kPa) 13.9 in/wc / 13.9 po/c.e. (3.45 kPa) 10.0 in/wc / 10.0 po/c.e. (2.49 kPa)			
1.78 mm			
Max.: 61,000Btu (17.8kw) Min.: 47,000Btu (13.7kw)			
This appliance was converted to PROPANE GAS with this kit on this date by the organization which accepts the responsibility that this conversion has been properly made. / Cet appareil etair convertiraugazLPparl'emploi de la trousse de conversion par une organization qui accepte la responsabilité pour une installation en bon état.			
081014 6-TC36ST D 5052,52083D			

**For complete valve installation instructions, refer to the instruction book included in the SIT conversion kit.**

## Gas Pressure Check

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

**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. #38).

**Fig. #38**



### CORRECT GAS PRESSURE REQUIREMENT:

Supply Pressure (For purpose of input adjustment)	Natural Gas	Propane
Minimum	5.0" wc	12.5" wc
Maximum	13.9" wc	13.9" wc
<b>Manifold Pressure</b>		
Maximum	3.5" wc	10.0" wc
Minimum	1.6" wc	6.4" wc

2. Thread the extension test fitting into the open test port (Fig. #39).
3. Attach a pressure gauge onto the fitting and check pressure.
4. When testing is complete, shut off the gas, remove the fitting and replace the pressure test port plug. Thread sealant will be required to ensure a gas tight connection.

**Fig. # 39**



# Replacemen Parts

## ITEM..... DESCRIPTION.....PART NO.

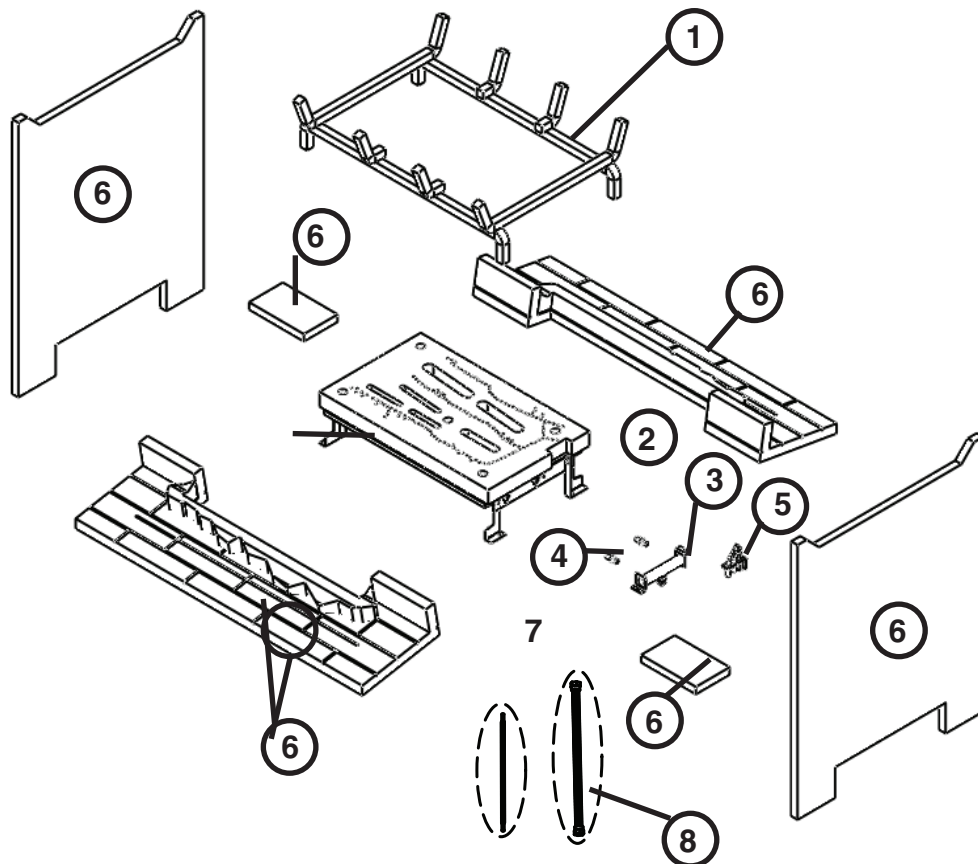
1.....	LOG GRATE.....	TC36.9318
2.....	BURNER ASSEMBLY .....	TC36.NGST07CA
3.....	MANIFOLD ASM.....	5012.54
4.....	ORIFICE, NG .....	5021.332.A
.....	ORIFICE, LP.....	5022.85
5.....	PILOT ASSEMBLY(includes 1/4" tube)...	TCRP.5005025
6.....	BRICK PANEL SET.....	TC36.NGST07CC
7.....	1/4" FLEX COMPRESSION.....	5019.225
8.....	1/2" FLEX FLARE CONNECTION .....	5019.223

## ITEM..... DESCRIPTION .....PART NO.

.....	LOG SET, COMPLETE .....	TC36.NGST07CB
LOG #1 (shown in fig.#13).....		
LOG #2 (shown in fig.#16) .....		
LOG #3 (shown in fig.#18) .....		
LOG #4 (shown in fig.#20) .....		
LOG #5 (shown in fig.#22) .....		
LOG #6 (shown in fig.#24) .....		

\* NOT SOLD SEPARATELY

Fig. #40







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