

**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
L U X U R Y F I R E P L A C E S

**TC36ST See-Thru
TRANQUILITY
BURNER KIT
INSTRUCTIONS**



**PART#22150029
FOR TC36 SEE-THRU
Series D/D2 Fireplaces**



Package Contents

5	lbs. Sand	5096.9935
1	Bag tapered plugs	TC36.503152
1	Burner assembly	TC36.9410
2	Line covers	TC36.9699PBKA
1	Pebble assembly	TC42.9499
1	Instruction pack	5056.42801.C4



Tranquility Burner Installation

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

1. Place base panels onto unit floor.
2. Attach a line cover to the left side of firebox using screw from top center of air channel. (Fig #1)
3. Remove panel retainer clips from the top heat shield. Install left porcelain panel. (Fig #2)



Tranquility Burner Installation

If converting to propane see conversion instructions on page #9 before proceeding.

Set shutter according to fuel used. Fully open for propane, closed for natural gas.

4. Place burner assembly into center of porcelain base panels. (Fig #3)
5. Attach fuel flex lines to bulkhead fittings. (Fig #4)

CAUTION: Ensure that all connections are gas tight.

Fig #3

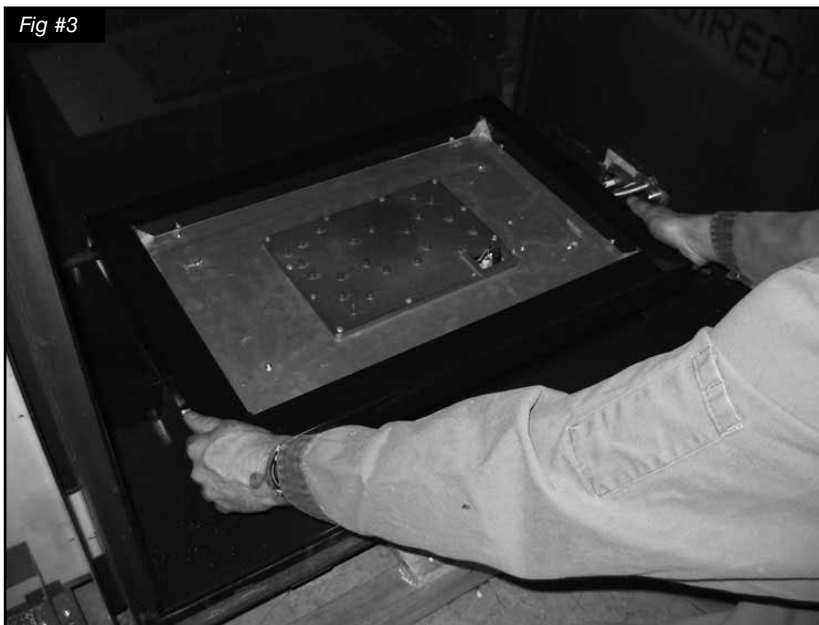
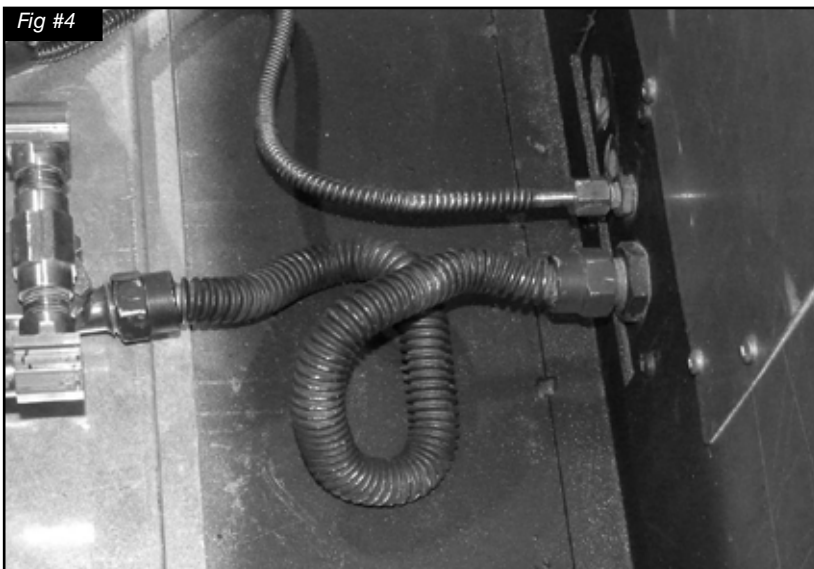
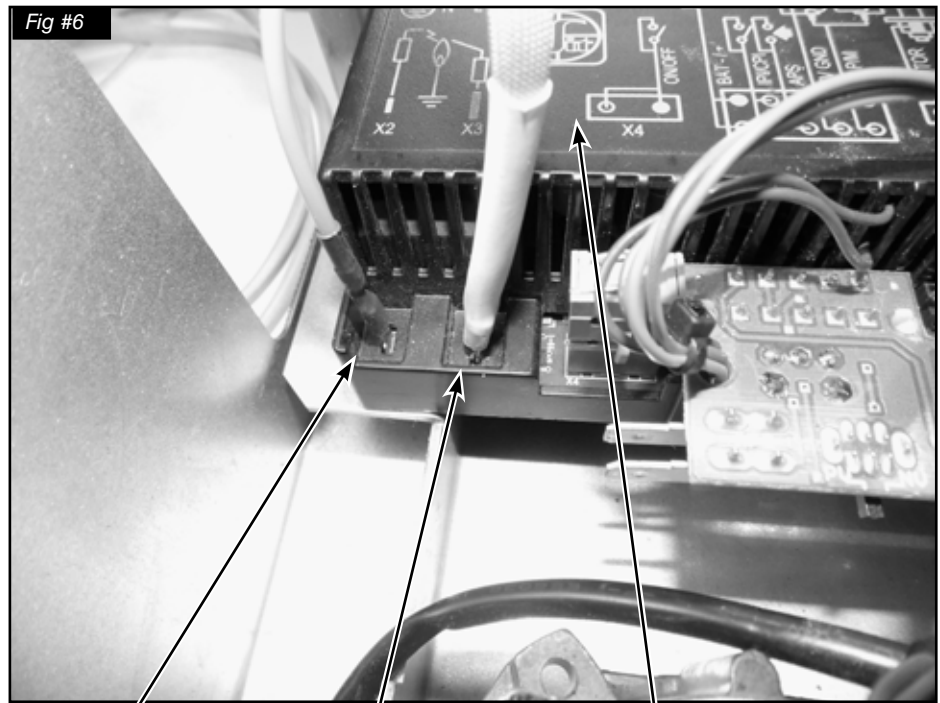
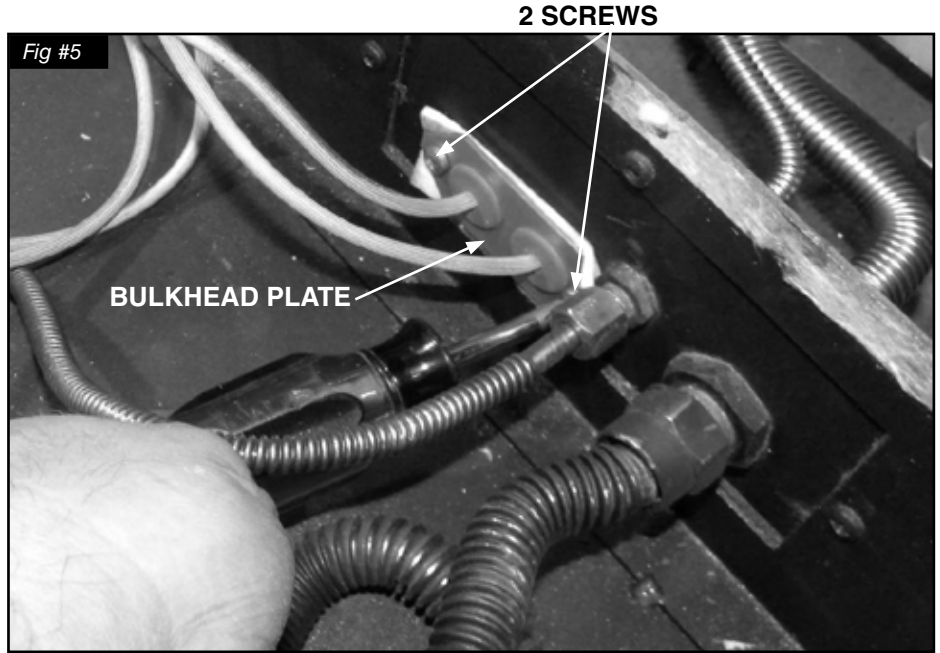


Fig #4



- Secure the electrical bulkhead plate and gasket to the firebox. (2 screws) Attach the ignition and sensor wires to the module. Red end to the connector marked by the red dot, white end to the connector marked by the white dot(Fig. #5 & 6)



IGNITION WIRE (RED)

FLAME SENSOR WIRE (WHITE)

INTERFACE MODULE WIRE (WHITE)

7. Place second line cover over lines and attach to right side of firebox using top bulkhead screw. (Fig #7)

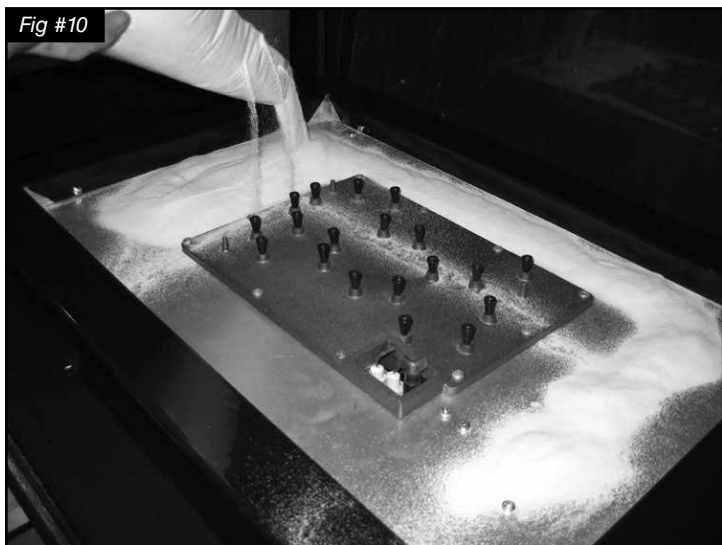
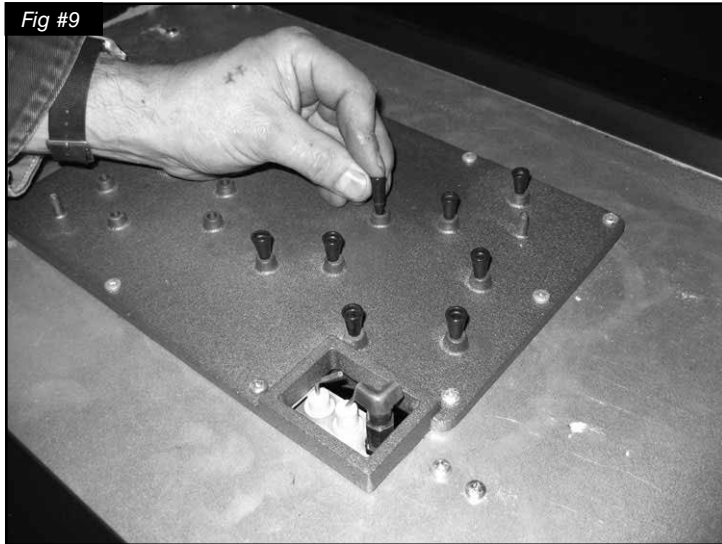


8. Install right porcelain panel and re-install panel retainer clips. (Fig #8)



9. Insert tapered plugs into raised burner ports to prevent sand from entering ports. (Fig #9)

10. Place sand in tray. Brush sand smooth and level to just below top of raised burner ports. Gently remove excess sand from around ports. (Fig #10 & 11)



11. Remove tapered plugs from ports.
(Fig #12)



12. Gently place pebble assembly onto sand base using pins to locate position.
(Fig #13)

NOTE: Do not lift pebble assembly by the top rocks.



13. The three loose rocks may be placed anywhere in the sand around the pebble assembly (Fig #14)

NOTE: Do not place on top of the main pebble assembly as sooting and poor performance could occur.

14. Install the door. Unit is ready for lighting.

Fig #14



Propane Conversion (SKU# 22180005)

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.

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 shall be shut off before proceeding with the conversion.

Fig #15

This appliance was converted to propane gas	
Kit Number	PACIFIC ENERGY
dd / mm / yy	5052.52001-B
Company	responsabilité que cette conversion a été correctement faite.
Address	l'entreprise désignée ci-dessus accepte la
The above accepts the responsibility that this conversion has been properly performed.	Adresse
	Firme
	a m j
5052.52001-B	Numéro d'assemblage
PACIFIC ENERGY	
Cet appareil a été converti en gaz propane	

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

The burner assembly must be removed from the unit if previously installed.

1. Remove the 2 front screws holding the burner tray in place. (Fig. #16)
2. Gently lift up the burner tray while sliding to the left to disengage the burner tube from the orifice. Then tip back to expose the orifice.
3. Using a 1/2" wrench, undo the natural gas burner orifice, (marked NE). Apply a small amount of pipe joint compound to the threads of the propane burner orifice (marked **LE**) to ensure a good seal, before screwing it into the fitting. Loosen the primary air shutter screw, **open shutter fully** and re-tighten. (Fig. #17)
4. Remove the 2 screws holding the pilot assembly in place with a stubby screwdriver. (Fig #18)



MAIN BURNER ORIFICE
MARKED LE (P/N # 80002601)

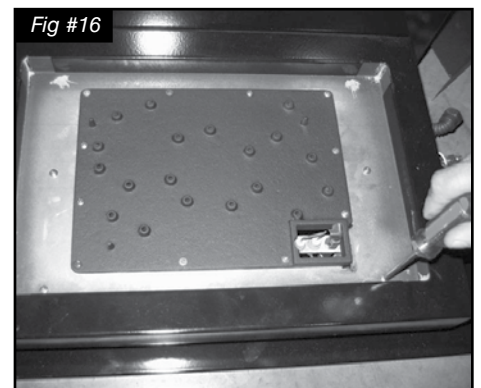


Fig #16

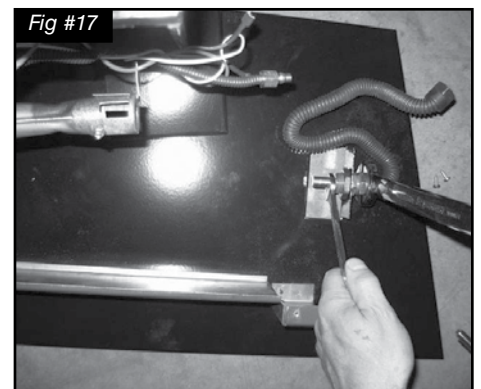


Fig #17

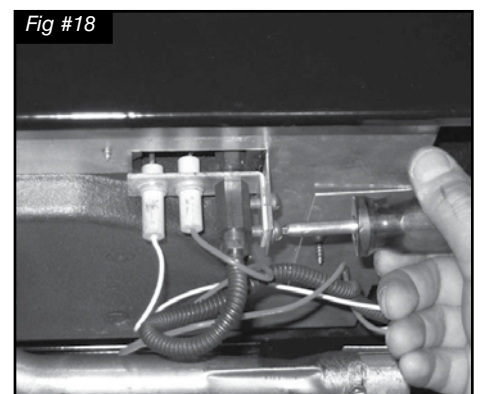
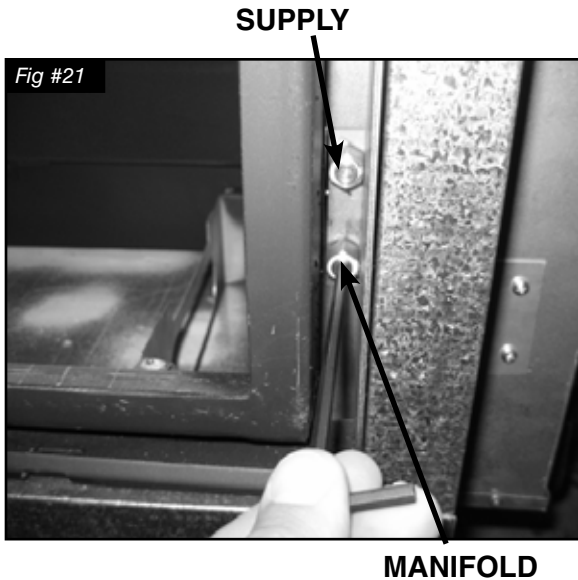


Fig #18

Gas Pressure Check



Note: To test the gas pressure, turn off the gas supply before removing the plug from the pressure test port. Verify gas pressures with the fireplace lit and on the highest setting.

1. Remove the plug from the pressure test port using a 7/16" socket and extension. The plug is located between the right side lintel and firebox side. (Fig. #21)

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
Manifold pressure		
Maximum	3.5" wc	10.0" wc
Minimum	1.6" wc	6.4" wc

2. Thread the extension test fitting into the open port. (Fig. #22)
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.

Burner Flame Adjustment

The air shutter on the burner tube controls the primary combustion air to the gas burner. The shutter should be set to fully closed for natural gas or fully open for propane.

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

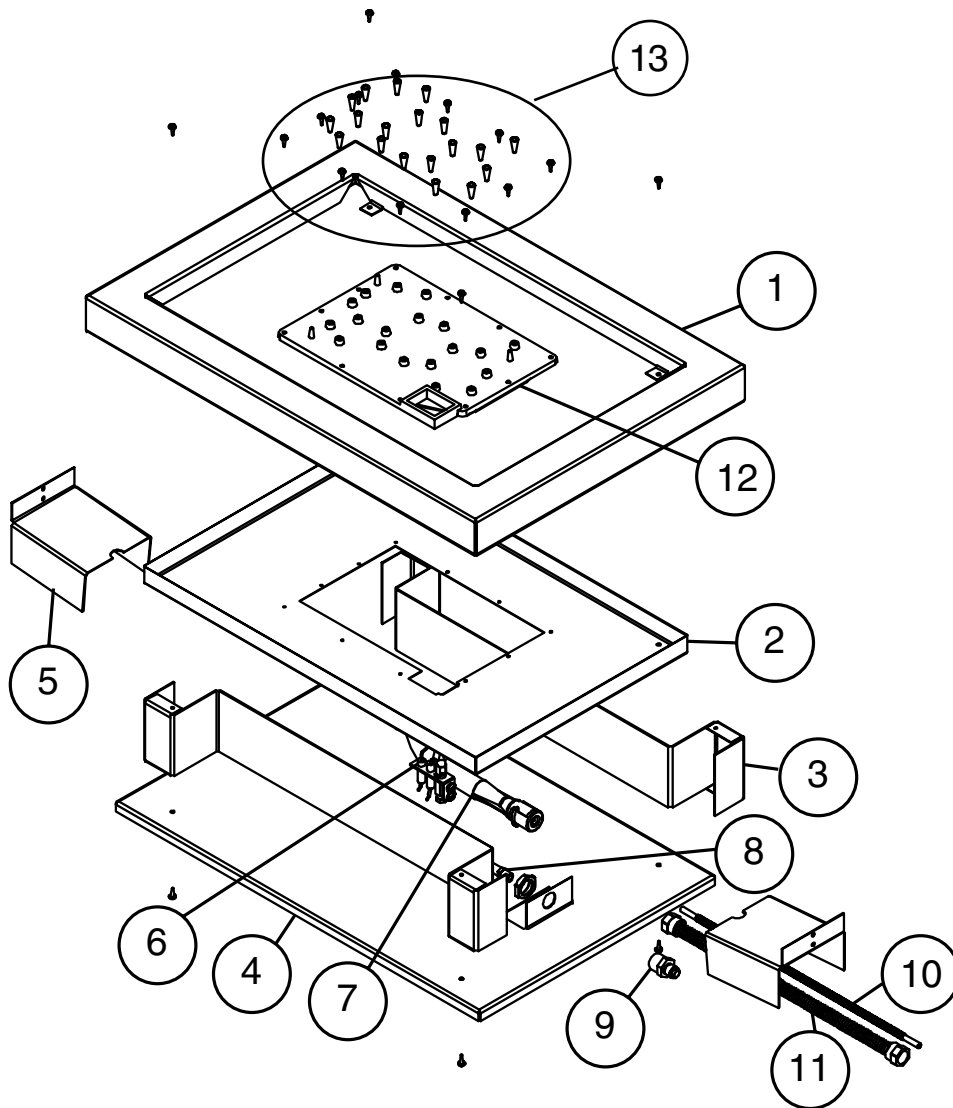


Replacement Parts

1.....	TRANQUILITY CURB.....	TC36.9416WLD
2.....	ROCK PAN	9416.5
3.....	TRANQUILITY LEG.....	TC36.9415PBKA
4.....	FLOOR PAN.....	TC36.9418PBKA
5.....	LINE COVER.....	TC36.9699PBKA
6.....	PILOT ASSEMBLY.....	5005.025
7.....	BURNER INLET TUBE.....	5011

8.....	ORIFICE NG #25.....	5022.12
	ORIFICE LP 3/32.....	5021.31
9.....	TAPPED 1/8-27 NPT.....	5019.21
10.....	1/4" FLEX COMPRESSION.....	5019.225
11.....	1/2" FLEX FLARE CONNECTION.....	5019.223
12.....	19 PORT CAST BURNER.....	5011.8399
13.....	TAPERED PLUGS.....	TC36.503152
	PEBBLE ASSEMBLY (not shown).....	TC42.9499

NOT SOLD SEPARATELY



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For technical support, please contact your retailer.

www.townandcountryfireplaces.net
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