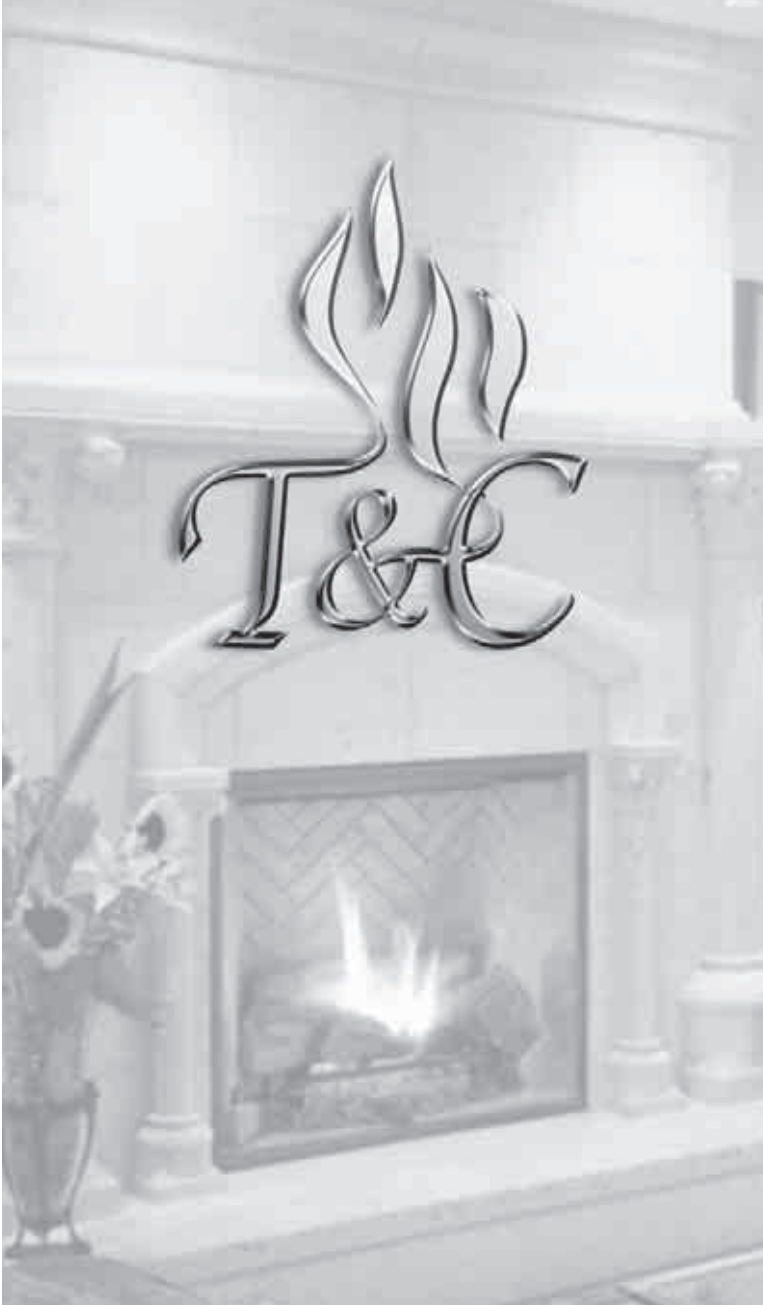


INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

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
FIREPLACES™

TC30

TRANQUILITY BURNER KIT INSTRUCTIONS



PART#
TC30.NG04.C
For TC30 Series C



Contents of Package

- 1 BURNER ASSEMBLY
- 1 PANEL, BASE
- 1 PEBBLE ASSEMBLY
- 2.2 LBS. SAND
- 1 COVER RHS
- 1 COVER LHS
- 1 BAG TAPERED PLUGS (NOT SHOWN)



Tranquility Burner Installation

If converting to propane see conversion instructions on page #6 before proceeding.

NOTE: Plug the 4 vacant holes in the bottom of the firebox with 1/2" screws, as they are not required to attach this style of burner.

1. Bend flex lines into the approximate shape. (Fig #1)
2. Place covers under the burner tray. (Fig #2 & 3)

NOTE: Shutter must be fully closed for Natural gas, half open for Propane.

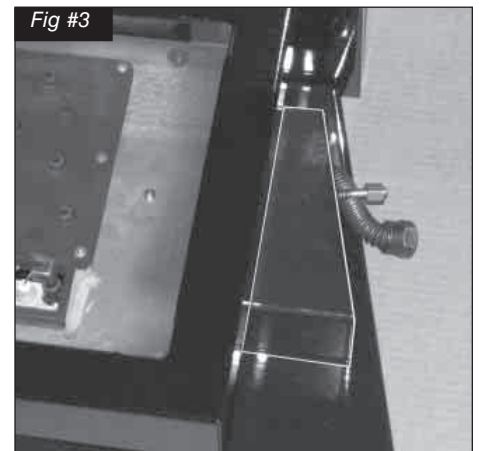
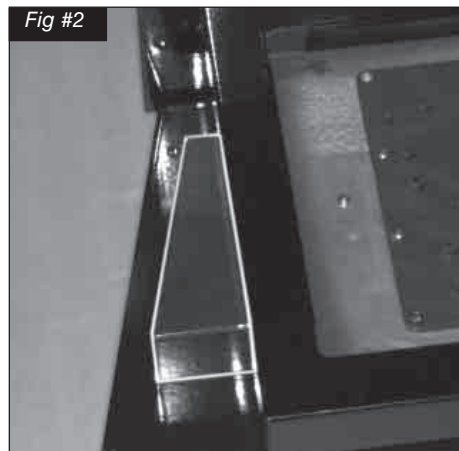
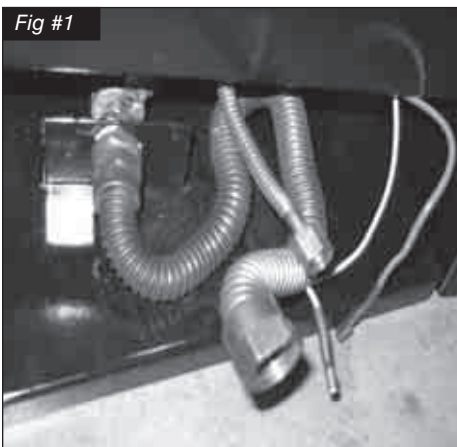
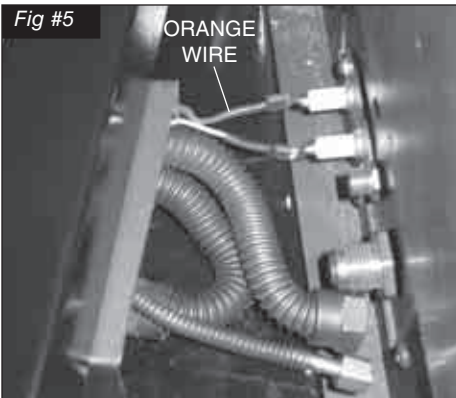


Fig #4



3. Position lower rear porcelain panel centered at the rear of the firebox. Place burner assembly into the firebox against the rear panel. (Fig #4)

Fig #5



4. Connect spark electrode wire (ORANGE) to the rear electrical bulkhead connector. Connect the flame sensor wire (WHITE) to the forward connector. (Fig. #5)

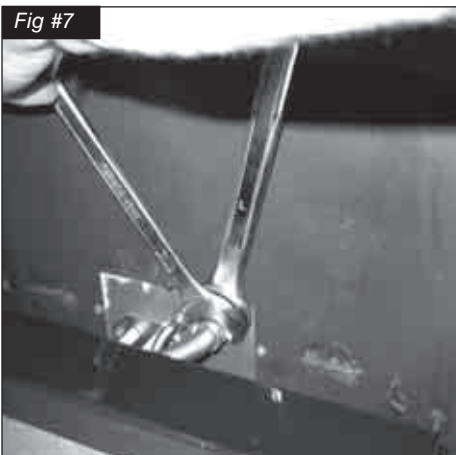
Fig #6



5. Attach fuel flex lines to bulkhead fittings. (Fig. #6 & 7)

CAUTION:
Ensure that all connections are gas tight.

Fig #7



6. Remove panel retainer clips from upper heat shield. Install right porcelain panel tilting in from front corner. Secure the right panel with one of the previously removed panel retainer clips. (Fig #8)

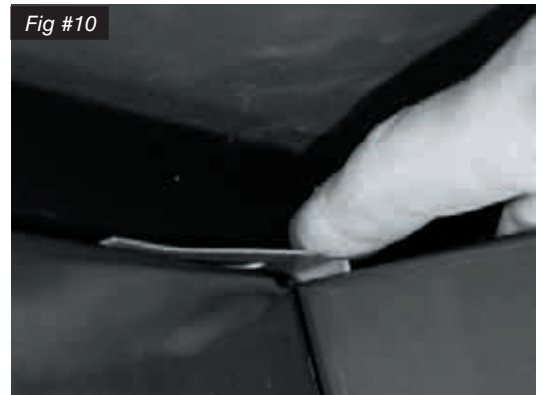


7. Bend up retaining clip on the left panel. Position upper rear panel on the top of the lower rear panel and behind the right panel. While supporting the upper rear panel install and secure the left panel in the same manner as the right panel. (Fig #9)



8. Bend the retaining clip down over the upper back panel. (Fig #10)

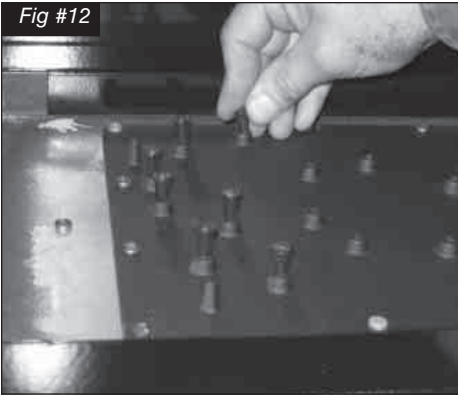
NOTE: The clips can be adjusted side to side to minimize any gaps between the panels.



9. Slide covers out and attach to base with one screw each. (Fig #11)



Fig #12



10. Insert tapered plugs into raised burner ports to prevent sand from entering ports. (Fig #12)

Fig #13



11. Place sand in tray. Brush sand smooth and level to just below top of raised burner ports. Gently blow excess sand from around ports. (Fig #13)

12. Remove tapered plugs from ports.

Fig #14



13. Remove pebble assembly from packaging by placing hand on top and tipping upside down. Gently place pebble assembly onto sand base using pins to locate position. (Fig #14)

NOTE:

**Lift pebble assembly from bottom.
Do not lift by top rocks.
Hollowed out rock must cover the pilot.**

Fig #15



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

Propane Conversion

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

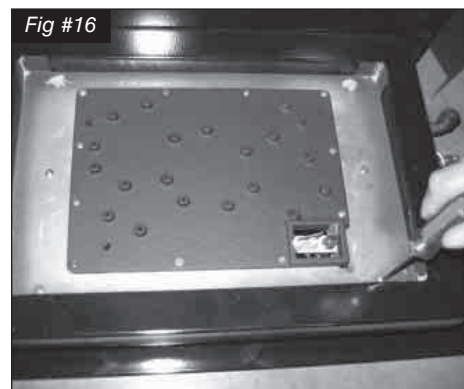
The gas supply and electrical power shall be shut off before proceeding with the conversion.

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 #32). Apply a small amount of pipe joint compound to the threads of the propane burner orifice (marked #48) to ensure a good seal, before screwing it into the fitting. Loosen the primary air shutter screw, open shutter **half way** and re-tighten. (Fig. #17)



4. Remove the 2 screws holding the pilot assembly in place with a stubby screwdriver. (Fig #18)

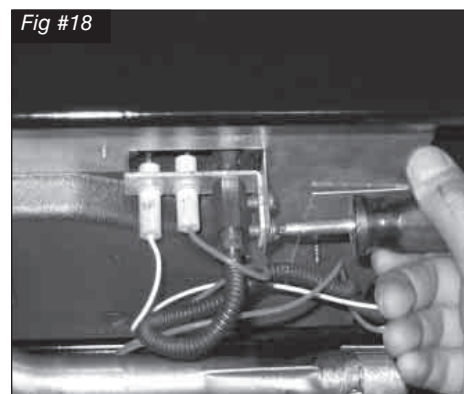
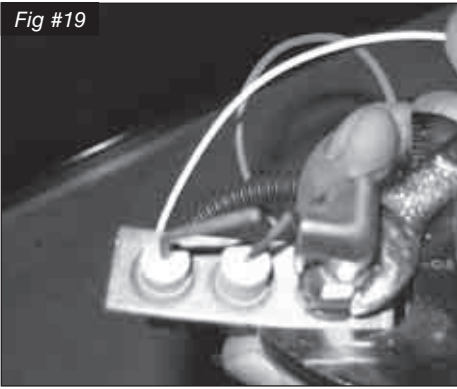
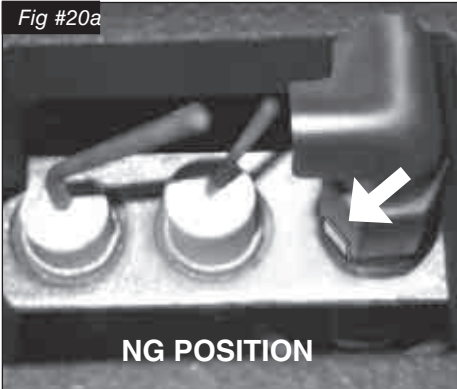


Fig #19



- With a 7/16" wrench loosen the pilot head on the pilot assembly using a wrench to hold the bracket steady. (Fig. #19)

Fig #20a



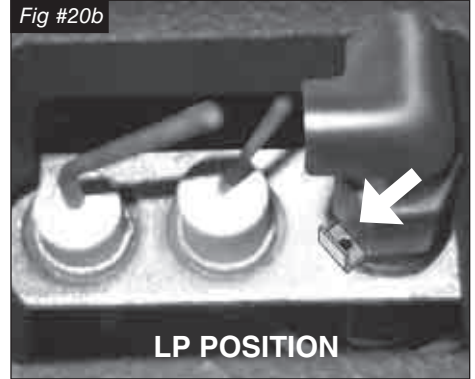
NG POSITION

- Slide the pilot adjustment band over and ensure that the hole in the orifice band is showing.

◀ Fig. #20a shows NG position
 Fig. #20b shows LP position) ▶

Re-attach the pilot assembly.

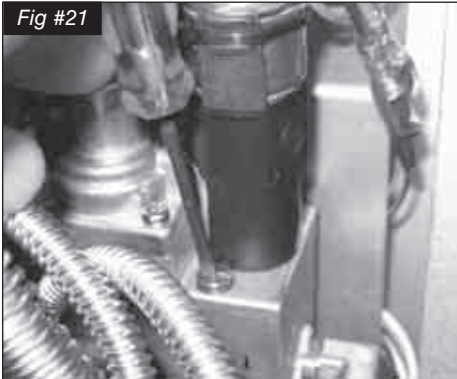
Fig #20b



LP POSITION

- Remove the access panel, 10 screws, and set aside.

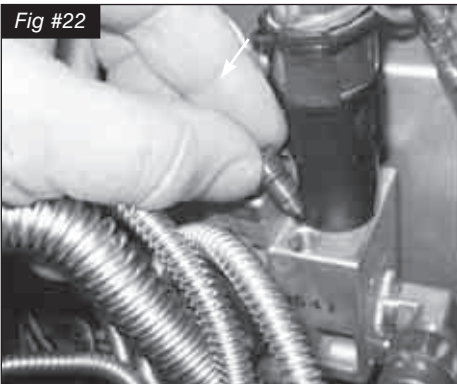
Fig #21



- Remove the minimum rate screw located in the valve. (Fig. #21)

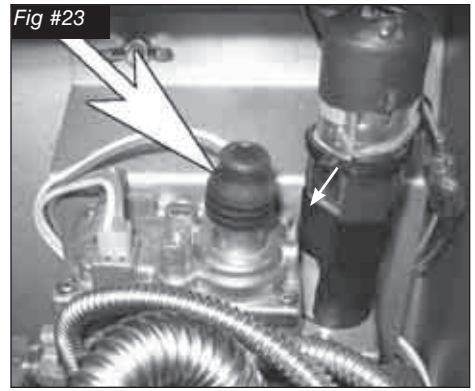
The minimum rate screw is sealed with an o-ring. Use a thin bladed screwdriver to back the screw out past the limit of the threading. At this point a groove on the screw body will be visible just above the valve body. Insert a thin tool (knife blade or fine screwdriver blade) into the groove and gently pry the screw up.

Fig #22

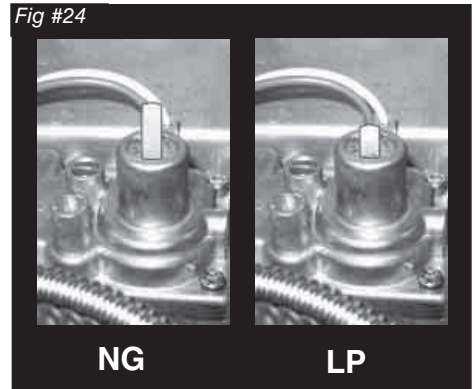


- Replace the minimum rate screw with the one provided in the propane conversion kit supplied with this fireplace. Ensure that the screw is fully seated. (Fig. #22)

10. Pull off the rubber cap from the top of the pressure regulator.
(Fig. #23)



11. Press down on the center post and rotate 90°. The center post should stay down. (Fig. #24). Replace the rubber cap.
12. Fill in the date and the name of the person who performed the conversion in the white area on the conversion label. Peel off the protective backing and apply the conversion label directly over the gas specifications on the rating label.



13. Re-attach the access panel to the side of the firebox with the screws previously removed.
(Fig. #25)



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.

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

Fig #26



1. Remove the plug from the pressure test port. The plug is located between the right side lintel and firebox side. (Fig. #26)

Fig #27a

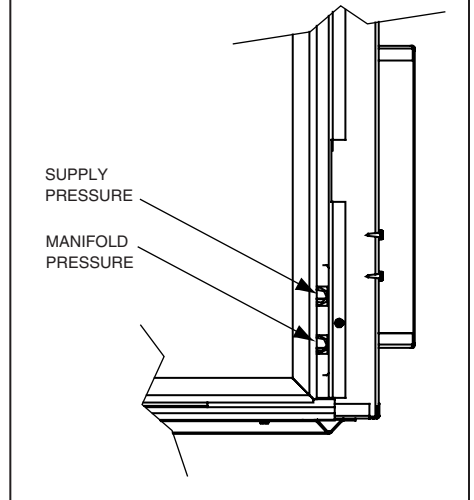


Fig #27



2. Thread the extension test fitting into the open port. (Fig. #27)
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.

Correct gas pressure requirement:

Supply Pressure	Natural Gas	Propane
Min. Pressure <small>(For purpose of input adjustment)</small>	5.0" WC	12.5" WC
Max. Pressure	13.9" WC	13.9" WC
Manifold Pressure		
Maximum	3.8" WC	11" WC
Minimum	2.1" WC	5.5" WC

Burner Flame Adjustment

The air shutter on the burner tube controls the primary combustion air. It is set to the closed position 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 window glass and firebox have carbon accumulation and/or the flames are long, dark and stringy. The shutter may also be opened to lessen the flame height.

Fig #28



NOTE:

Proper air shutter setting is required, fully closed for natural gas and half 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.

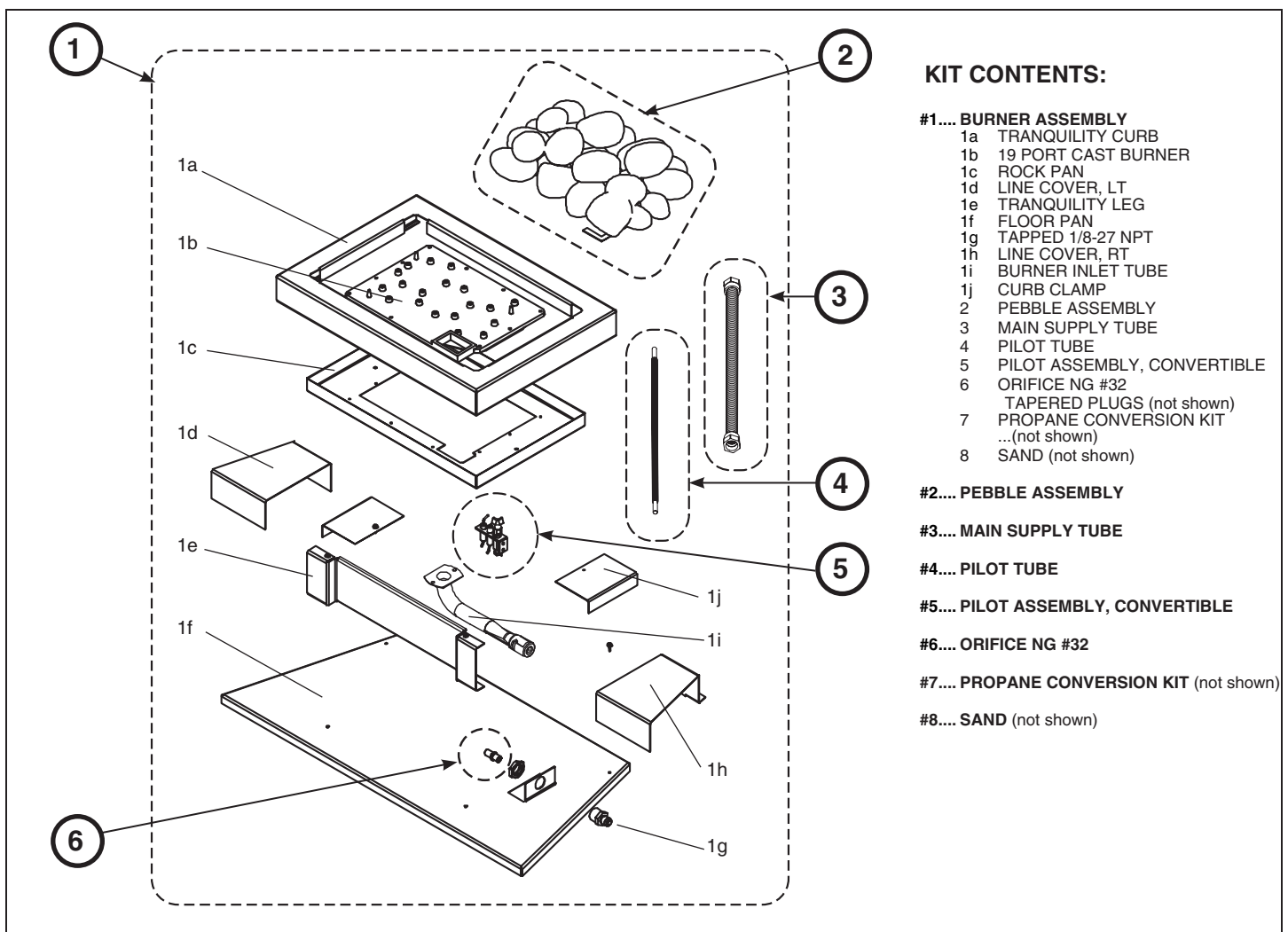
Replacement Parts

(WHEN ORDERING, INCLUDE PART NUMBER WITH DESCRIPTION)

ITEM.....	DESCRIPTION.....	PART NO.
#1.....	TRANQUILITY BURNER KIT.....	TC30.NG04.C
#2.....	PEBBLE ASSEMBLY.....	TC36.9499
#3.....	MAIN SUPPLY TUBE.....	5019.223
#4.....	PILOT TUBE.....	5019.225

ITEM.....	DESCRIPTION.....	PART NO.
#5.....	PILOT ASSEMBLY, CONVERTIBLE.....	5005.025
#6.....	ORIFICE, NATURAL GAS (#32).....	5021.332A
* #7.....	PROPANE CONVERSION KIT.....	TC30.LPCE01
* #8.....	SAND.....	TC36.SAND22

* NOT SHOWN



KIT CONTENTS:

- #1.... BURNER ASSEMBLY
 - 1a TRANQUILITY CURB
 - 1b 19 PORT CAST BURNER
 - 1c ROCK PAN
 - 1d LINE COVER, LT
 - 1e TRANQUILITY LEG
 - 1f FLOOR PAN
 - 1g TAPPED 1/8-27 NPT
 - 1h LINE COVER, RT
 - 1i BURNER INLET TUBE
 - 1j CURB CLAMP
- 2 PEBBLE ASSEMBLY
- 3 MAIN SUPPLY TUBE
- 4 PILOT TUBE
- 5 PILOT ASSEMBLY, CONVERTIBLE
- 6 ORIFICE NG #32
TAPERED PLUGS (not shown)
PROPANE CONVERSION KIT
...(not shown)
- 8 SAND (not shown)



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