

**IMPORTANT:
THESE INSTRUCTIONS ARE TO REMAIN
WITH THE APPLIANCE INSTRUCTIONS**

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™**

**TC36 See-Thru
TRANQUILITY
BURNER KIT
INSTRUCTIONS**

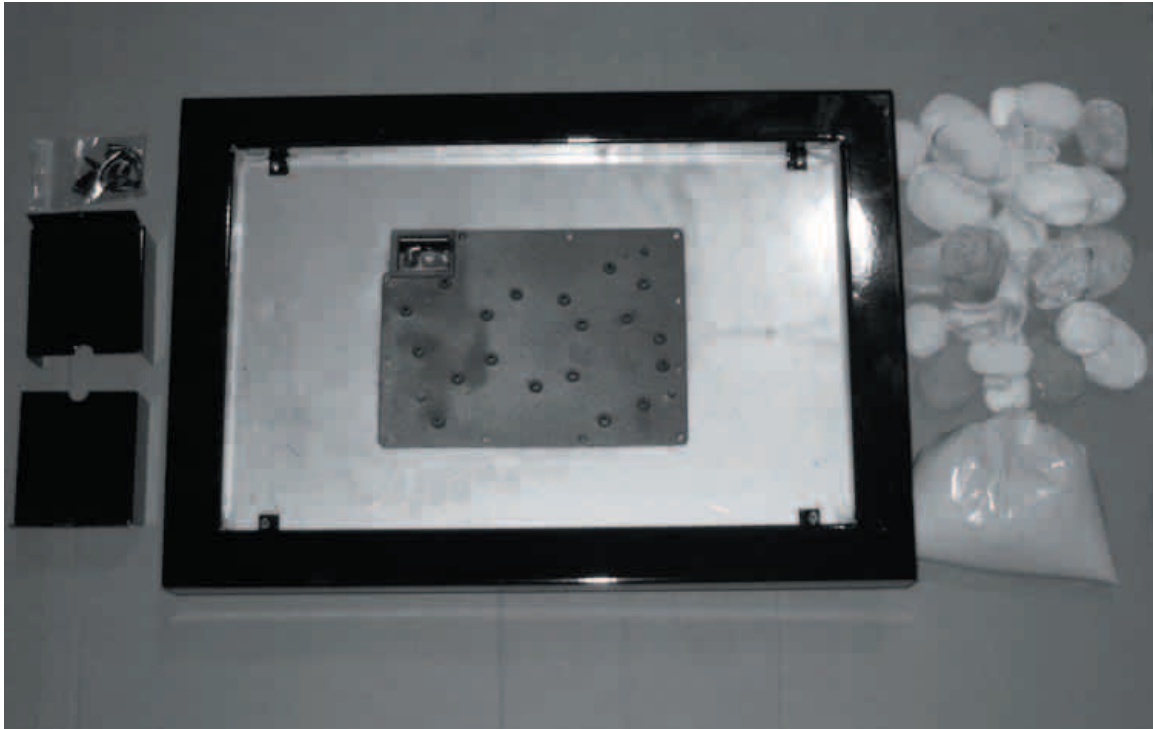


**PART#TC36.NGST04.C
FOR TC36 SEE-THRU
SERIES C**



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	TC36.9499
1	Air channel cover	TC36.9697PBKA



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) Insert air channel cover into the air channel on the left hand side of the unit.
- 3) Attach a line cover to the left side of firebox using screw from top center of air channel. (Fig #1)
- 4) Remove panel retainer clips from the top heat shield. Install left porcelain panel. (Fig #2)

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

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

- 5) Place burner assembly into center of porcelain base panels. (Fig #3)
- 6) Attach pilot wires to bulkhead. Orange lead to marked connector at rear of bulkhead, white lead to other. (Fig #4)
- 7) Attach fuel flex lines to bulkhead fittings. (Fig #5 & 6)
CAUTION: Ensure that all connections are gas tight.

Fig. # 3



Fig. # 4



Fig. # 5



Fig. # 6

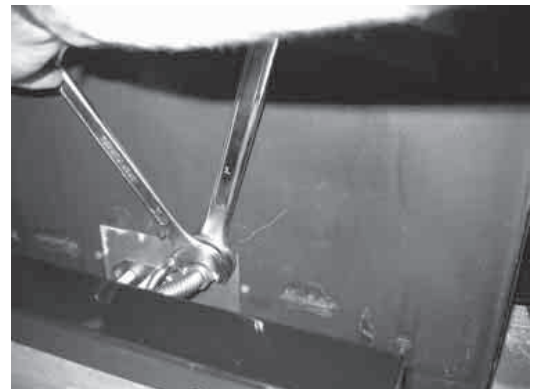


Fig. # 1



Fig. # 2



- 8) Place second line cover over lines and attach to right side of firebox using top bulkhead screw. (Fig #7)
- 9) Install right porcelain panel and re-install panel retainer clips. (Fig #8)
- 10) Insert tapered plugs into raised burner ports to prevent sand from entering ports. (Fig #9)
- 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 #10 & 11)

Fig. # 9

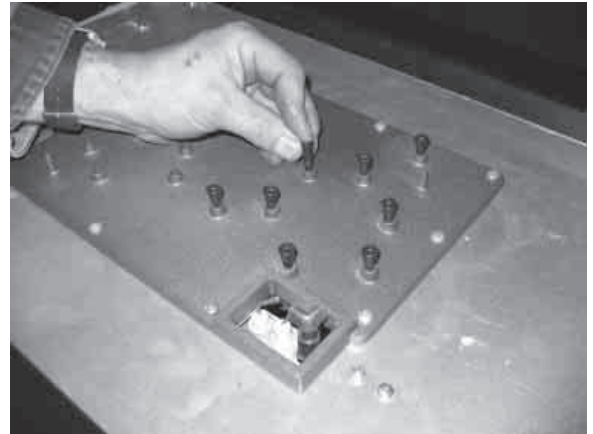


Fig. # 7



Fig. # 10

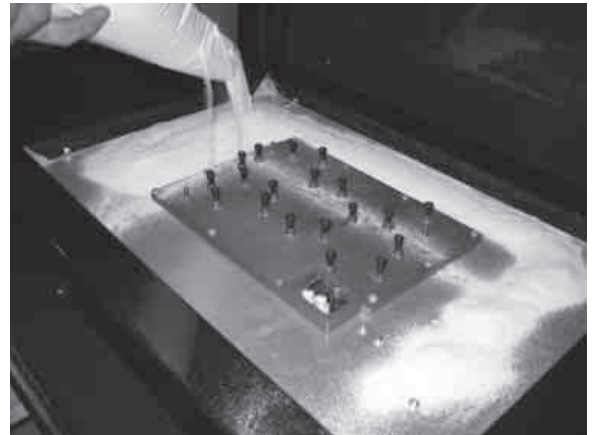


Fig. # 8



Fig. # 11



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

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

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

10) 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.

11) Install the door. Unit is ready for lighting.

Fig. # 12

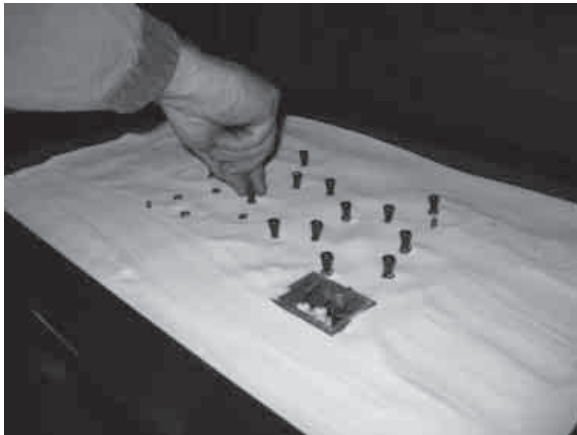


Fig. # 14



Fig. # 13



Propane Conversion

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

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.

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.

- 1) Ensure the burner, pilot and gas supply are turned off, and the appliance has cooled.
- 2) Remove the 4 screws in the corners holding the burner tray in place. (Fig. #15)
- 3) 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.

CAUTION: do not move tray beyond the limits of the pilot attachments.

- 4) Using a 1/2" wrench, undo the natural gas burner orifice, (marked #25). Use a Phillips screwdriver to loosen the shutter, open shutter fully and re tighten. (Fig. #16)
- 5) Apply a small amount of pipe joint compound to the threads of the propane burner orifice (marked 3/32) to ensure a good seal, before screwing it into the fitting.

- 6) Re-attach the burner tray ensuring that the burner is correctly located over the orifice.

NOTE: a flashlight or trouble light will aid in positioning holes for attachment.

Fig. # 15

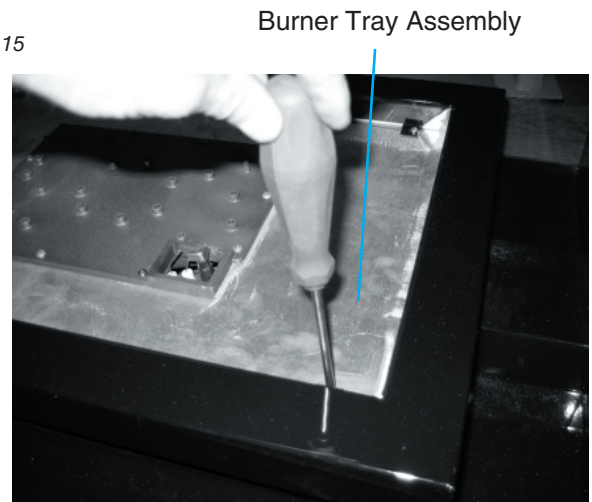
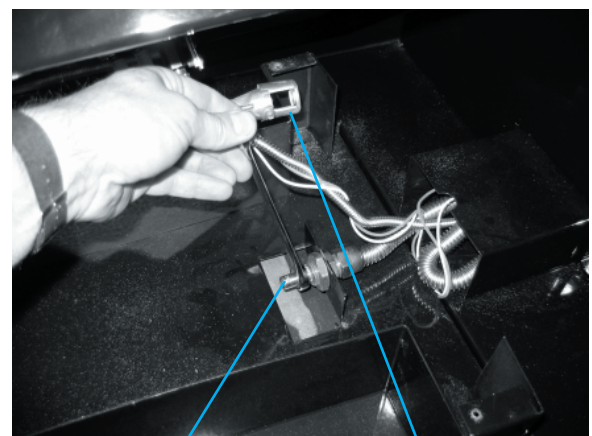


Fig. # 16



Shutter
Burner Orifice

- 7) With a 7/16" wrench loosen the pilot head on the pilot assembly (Fig. #17)
NOTE: use a screwdriver to prevent bracket from twisting while loosening and tightening pilot.
- 8) Slide the pilot adjustment band over with a screwdriver or other flat blade and ensure that the hole in the orifice band is showing. Re-tighten the pilot head. (Fig. #18 shows NG position, Fig. #19 shows LP position)

Fig. # 17

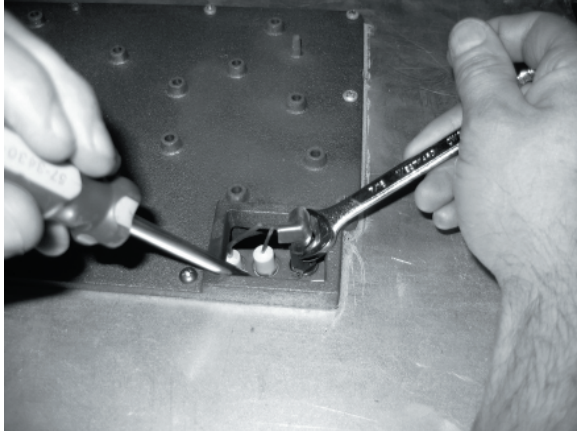


Fig. # 18



Fig. # 19



- 9) Remove the access panel, 10 screws, and set aside. (Fig. #24)
- 10) Remove the minimum rate screw located in the valve. (Fig. #20)

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 thread. 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. It helps to rotate the screw while lifting on it.

- 11) 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. #21)

Fig. # 20

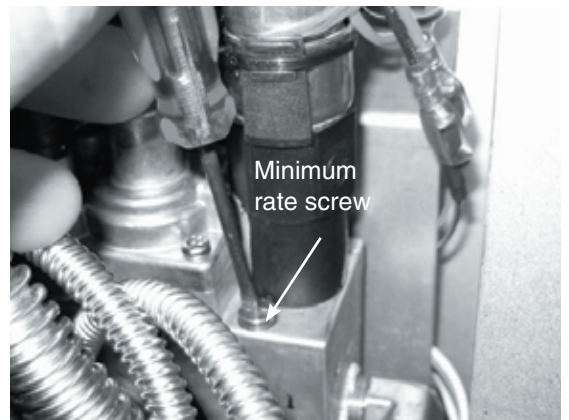
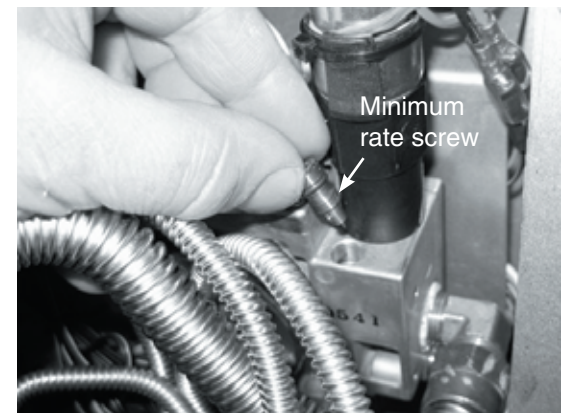


Fig. # 21



- 12) Pull off the rubber cap from the top of the pressure regulator. (Fig. #22)
- 13) Press down on the center post and rotate 90°. The center post should stay down. (Fig. #23). Replace the rubber cap.

Fig. # 22



Fig.# 24

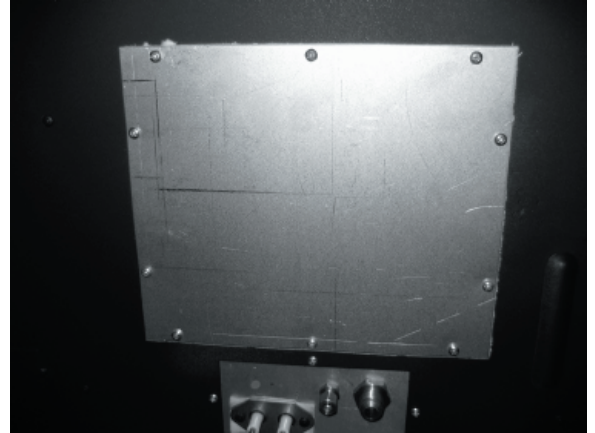
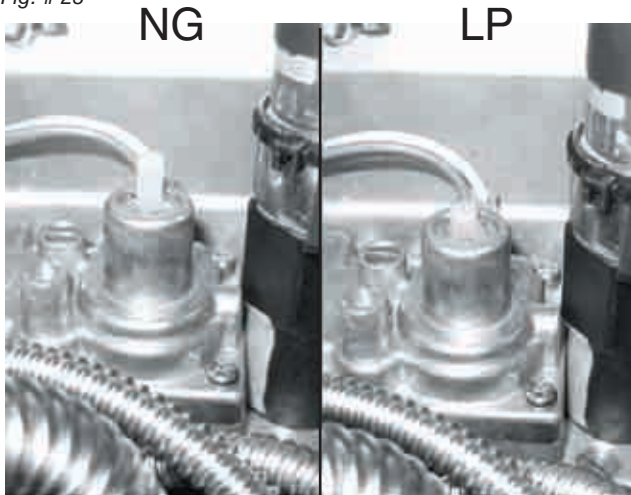


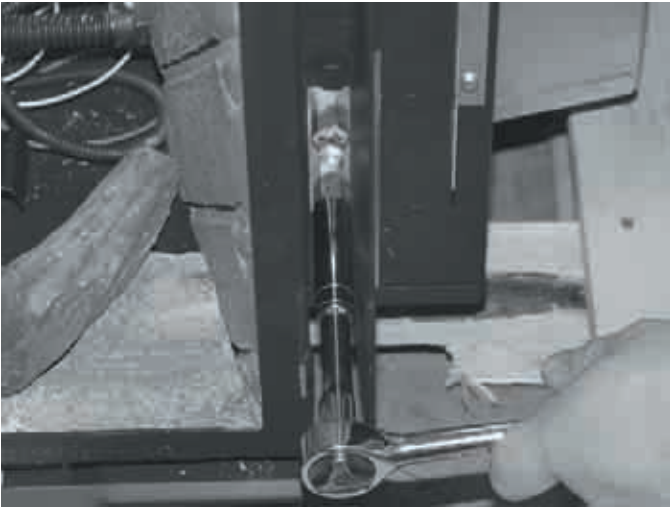
Fig. # 23



- 14) 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.
- 15) Re-attach the access panel to the side of the firebox with the screws previously removed. (Fig. #24)

Gas Pressure Check

Fig. # 25



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. #25)

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	3.8" wc	11.0" wc
Minimum	2.1" wc	5.5" wc

Fig. # 26



- 2) Thread the extension test fitting into the open port. (Fig. #26)
- 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.

Fig. # 27

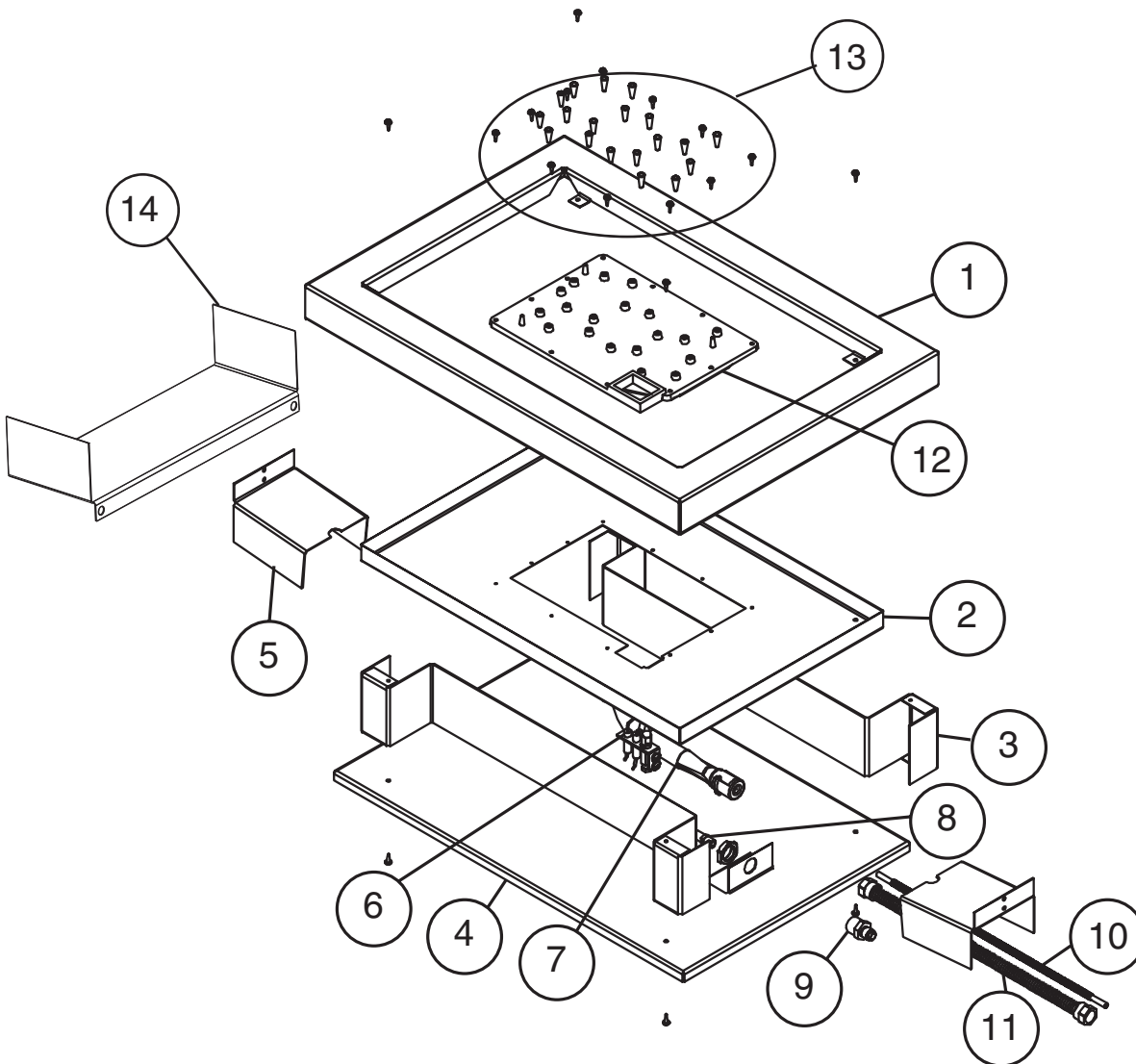


Replacement Parts

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).....	TC36.9499
14.....	AIR CHANNEL COVER.....	TC36.9697PBKA

NOT SOLD SEPARATELY





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