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.

TC30
CHALET
BURNER KIT
INSTALLATION
INSTRUCTIONS

PART# TC30.NG06D2
For TC30 Series D Fireplaces
**Burner Installation**

1. Place the keyhole slots in the burner over the two screws located in the firebox base. (Fig. #1 & 1a)

2. Slide the burner back to engage the screws in the small part of the keyhole slot and tighten screws. (Fig. #1b)

3. Remove access cover from side of firebox(Fig. #1c)

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If this fireplace is to be used on Propane please convert prior to installation. See pages 9 – 11.
Burner/Grate Installation

4. Feed the ignition and sensor wires through the bulkhead plate (Fig. #2) to the interface module. (Fig.#3).
5. Attach the pilot and gas supply tubes to the bulk head fitting and tighten. (Fig. # 4) Ensure the connections are gas tight. Conceal the spark and sensor wires below the supply tubes.

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

6. Position the slots of the grate securing brackets over the holes in the floor shield and secure with the two screws (Fig. # 5).
Ember Material

A large bag of ember material is shipped with the fireplace and needs to be installed on the burner to ensure optimum performance and flame appearance.

1. Pull apart the material into ember size pieces (approximately 1” square) and gently place them into the burner pan. Do not compress, leave them loose for best performance.

2. Fill the burner pan level with the top of the pan at rear, and gradually sloping forward down to the firebox floor at the front, covering both burner tubes.

3. 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.

Log Set Assembly

Gas plumbing and vent connections should be completed before proceeding.

The logs are are fragile and should be handled with care. Unpack and inspect log set. There should be a total of 7 logs. Position the logs as indicated by the following pictures.

The first 3 logs have slots in the undersides which will go over the 3 position pins as shown in Fig. 7.
Place the first log so that the slot on the underside of the log fits over the #1 positioning pin (See Fig #7). The right side of the log can be swivelled so that the base of the log is parallel to the log grate.

Place the 2nd log so that the slot on its underside fits over the #2 positioning pin (See Fig #7). Swivel the right hand side of the log so that it touches the 2nd grate finger.
Place the 3rd log so that the slot on its underside fits over top of the #3 pin (See Fig #7). Swivel the left hand side of the log so that it comes to rest up against the log grate finger.

Position the #4 log in the lower left / front corner of the firebox. The left side of the log should just touch the left firebox panel and the front of the log should be up close to the door frame.
Position the 5th log so that it covers the line created by the two front floor panels.

Rest the right side of the 6th log so that it is on top of the 5th log as shown in Fig #13.
Position the 7th log so that it rests on top of the pilot assembly and fits underneath and behind the 3rd log.

Note: Improper placement of logs will cause sooting on internal parts and glass.
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.
5. With a ½” wrench remove the natural gas orifice (#32) and replace with propane orifice (1.9mm)(our part # 5022.76) (Fig. #18)

6. Fully open the primary air shutter.

7. Reinstall the manifold and air deflector

8. With a 7/16” wrench loosen the pilot head on the pilot assembly by a half-turn (Fig. #22)

9. Slide the pilot adjustment band over and ensure that the hole in the orifice band is showing. (Fig. #22 shows NG position, Fig. # 22 shows LP position) Retighten pilot head.

10. Remove right hand brick panel (if installed) and access panel located on right hand side of firebox (See Fig. #28).

11. 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.

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 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 (bottom port). (Fig. #24)

2. Thread the extension test fitting into the open test port. (Fig. #25)

3. Attach a pressure gauge onto the fitting.

4. When testing is complete remove the extension test fitting and replace the plug. Thread sealant will be required to ensure a gas tight connection.

Correct gas pressure requirement:

<table>
<thead>
<tr>
<th>Supply Pressure</th>
<th>Natural Gas</th>
<th>Propane</th>
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</thead>
<tbody>
<tr>
<td>Min. Pressure</td>
<td>5.0&quot; WC</td>
<td>12.5&quot; WC</td>
</tr>
<tr>
<td>(For purpose of input adjustment)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Pressure</td>
<td>13.9&quot; WC</td>
<td>13.9&quot; WC</td>
</tr>
<tr>
<td>Manifold Pressure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum</td>
<td>3.5&quot; WC</td>
<td>10&quot; WC</td>
</tr>
<tr>
<td>Minimum</td>
<td>1.6&quot; WC</td>
<td>6.4&quot; WC</td>
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</tbody>
</table>
Burner Flame Adjustment

The air shutter on the burner tube controls the primary combustion air to the gas burner and is preset 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. #26 for proper flame pattern.

Open primary air shutter if the logs, glass, and firebox have carbon accumulation and/or the flames are long, dark and stringy. The shutter may also be opened to enhance the ember material glow and lessen the flame height.

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 logs and set aside.

3. Remove air deflector from log grate (2 screws)

4. Loosen the Primary Air Shutter screw.

5. Rotate the shutter to increase or decrease the amount of primary air.

6. Reassemble in reverse order.
## Replacement Parts

When ordering, include part number with description.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>CHALET BURNER ASSEMBLY</td>
<td>TC30.NG06D2</td>
</tr>
<tr>
<td>#2</td>
<td>7 PCS CHALET II LOG SET</td>
<td>5094.302642</td>
</tr>
<tr>
<td>#3</td>
<td>ORIFICE, NATURAL GAS (#32)</td>
<td>5021.332.A</td>
</tr>
<tr>
<td>#4</td>
<td>PILOT ASSEMBLY</td>
<td>TCRP.5005025</td>
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<tr>
<td>#5</td>
<td>MAIN SUPPLY TUBE</td>
<td>5019.223</td>
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<tr>
<td>#6</td>
<td>PILOT TUBE</td>
<td>5019.225</td>
</tr>
<tr>
<td>#7</td>
<td>PROPANE CONVERSION KIT</td>
<td>TC30.DLPKIT</td>
</tr>
</tbody>
</table>

KIT CONTENTS:

### #1: BURNER ASSEMBLY
- 1a: Grate
- 1b: Air Deflector
- 1c: Burner Tray
- 1d: Pilot Shield
- 1e: Blocker Plate
- 1f: Manifold
- 1g: 1/2 Pipe to 1/2 Tube Connection
- 1h: Pilot Bracket
- 1i: Heat Shield
- 1j: Heat Shield Insulation

### #2: 7 PCS LOG SET
- 2a: Base Log
- 2b: Top Left Log
- 2c: Top Right Log
- 2d: Center Chunk
- 2e: Bottom LHS Chunk
- 2f: Bottom Center Chunk
- 2g: Bottom RHS Chunk

### #3: ORIFICE, NATURAL GAS (#32)

### #4: PILOT ASSEMBLY, CONVERTIBLE

### #5: MAIN SUPPLY TUBE

### #6: PILOT TUBE

*NOT SHOWN*
For technical support, please contact your retailer.

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