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› Pitco Frialator B8031705 Burner Instruction Manual

## Pitco B8031705

# Pitco Frialator B8031705 Burner Instruction Manual

Model: B8031705 | Brand: Pitco

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Pitco Frialator B8031705 Burner. This component is designed for use in compatible Pitco Frialator deep fryer systems. Please read this manual thoroughly before attempting any installation or operation.

## 2. SAFETY INFORMATION

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Safety is paramount when working with gas appliances. Adhere to the following guidelines:

- Always disconnect power and gas supply to the appliance before installing, servicing, or cleaning the burner.
- Installation and service must be performed by a qualified and certified service technician.
- Ensure proper ventilation in the area when operating appliances with this burner to prevent carbon monoxide buildup.
- Do not operate the appliance if the burner or any related components appear damaged or are not functioning correctly.
- Refer to the main appliance's instruction manual for additional safety guidelines specific to your deep fryer model.

### 3. SETUP AND INSTALLATION

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The B8031705 Burner is a replacement part designed for specific Pitco Frialator models. Follow these steps for proper installation:

1. Ensure the deep fryer unit is completely cooled and disconnected from all power and gas sources.
2. Access the burner compartment of your Pitco Frialator. Refer to your fryer's main service manual for specific access procedures.
3. Carefully remove the old burner assembly, noting its orientation and connections for proper reinstallation.
4. Position the new B8031705 Burner (SG14R face type) into the designated slot, ensuring it aligns correctly with the gas manifold and mounting points.
5. Secure the burner using the appropriate fasteners. Do not overtighten, as this can cause damage.
6. Reconnect any gas lines or electrical connections to the burner, ensuring all connections are tight and leak-free. Perform a gas leak test if applicable, using a non-corrosive leak detection solution.
7. Reassemble the fryer unit, ensuring all panels and covers are securely in place.



*Image: Pitco Frialator B8031705 Burner. This image shows the metallic burner assembly with multiple burner tubes and a gas inlet connection.*

### 4. OPERATION

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The B8031705 Burner operates as an integral part of your Pitco Frialator's heating system. Its function is controlled by the fryer's main thermostat and ignition system.

1. Ensure the burner is correctly installed and all connections are secure as per the setup instructions.
2. Follow the operating instructions provided in your Pitco Frialator deep fryer's main user manual to ignite and control the fryer's heating cycle.
3. The burner will automatically cycle on and off to maintain the set temperature, as dictated by the fryer's control system.

If the burner fails to ignite or maintain flame, refer to the troubleshooting section in this manual or your fryer's main manual.

## 5. MAINTENANCE

Regular inspection and cleaning of the burner can extend its lifespan and ensure efficient operation. Always ensure the fryer is cool and disconnected from power and gas before performing maintenance.

- **Daily/Weekly Inspection:** Visually inspect the burner for any signs of damage, corrosion, or blockages in the flame ports. Ensure the burner is seated correctly.
- **Cleaning:** With the fryer cooled and disconnected from power/gas, gently brush off any accumulated carbon deposits or debris from the burner surface and flame ports. A soft brush or compressed air can be used. Do not use abrasive cleaners or sharp objects that could damage the burner material or ports.
- **Professional Service:** It is highly recommended to have the burner and the entire fryer system inspected and serviced by a qualified technician annually to ensure optimal performance and safety.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with the burner. For more complex problems, consult a qualified service technician.

Problem	Possible Cause	Solution
Burner not igniting	No gas supply to the fryer	Check the main gas valve and ensure gas supply is open.
Burner not igniting	Faulty igniter or pilot light (if applicable)	Consult a qualified technician for inspection and replacement.
Weak or irregular flame	Clogged burner ports	Clean burner ports as per the maintenance section.
Weak or irregular flame	Incorrect gas pressure	Consult a qualified technician to check and adjust gas pressure.
Burner cycles off too quickly	Thermostat issue (within the fryer unit)	Refer to your fryer's main manual or consult a qualified technician.

## 7. SPECIFICATIONS

- **Model:** B8031705

- **Type:** Burner (601 WR FACE SG14R)
- **Compatibility:** Designed for specific Pitco Frialator deep fryer models. Always refer to your fryer's parts list or service manual to confirm compatibility.
- **Approximate Item Weight:** 1 Pound (0.45 kg)
- **Manufacturer:** PITCO FRIALATOR
- **Date First Available:** January 26, 2013

## 8. WARRANTY AND SUPPORT

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This Pitco Frialator B8031705 Burner is covered by the manufacturer's standard warranty. Please refer to the warranty documentation provided with your original Pitco Frialator appliance or contact Pitco customer service for details regarding warranty terms and conditions.

For technical support, parts inquiries, or service, please contact Pitco customer service or an authorized Pitco service provider. Always provide your product model number (B8031705) and the serial number of your Pitco Frialator appliance when seeking support.

**Pitco Contact Information:** (Refer to Pitco's official website or your original appliance documentation for current contact details.)