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# Delta PERFORMANCE and ELITE Burner Mounting Plate Retrofit Kit

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## NOTICE

**This part kit also contains a wiring upgrade for the Delta ELITE. This wiring upgrade is recommended as a means to standardize all existing units to the current wiring schematic. This will prevent any potential confusion that may occur during troubleshooting between the service technician and Triangle Tube Service Department.**

**The current Series 2 wiring on the Delta ELITE was implemented in 2003 and is identified by the location of the unit's rating label on the front jacket panel. Units installed prior to 2003 and identified as having the rating label located on the right side jacket panel will have the Series 1 wiring configuration and should be upgraded to Series 2 wiring configuration.**

**If the unit requires the Series 2 upgrade wiring, please note on Completion Form attached that wiring was completed.**

# Delta PERFORMANCE and ELITE Burner Mounting Plate Retrofit Kit



**Delta PERFORMANCE** : Gas Units with BG Burner  
**Delta ELITE** : Oil Units or Power Gas Burner

**Kit Part Numbers:** PGRKIT33 (ELITE)  
PGRKIT34 (PERFORMANCE)

## Parts List

1. (2) Jam Nuts
2. (2) Lock Washers
3. (1) Burner Plate Insulation (not shown)

## Parts List

- Pipe wrench
- 17mm deep socket or open-ended wrench



## WARNING

Indicates a potentially hazardous situation which, if ignored, can result in serious injury or substantial property damage.

## WARNING

Failure to follow instructions below can result in severe personal injury or damage if ignored.

- Instructions are for a qualified installer/ service technician.
- Read all instructions before proceeding.
- Follow instructions in proper order.

## NOTICE

Indicates special instructions on installation, operation or maintenance, which are important to equipment but not related to personal injury hazards.

## WARNING

For your safety, turn off electrical power supply at service panel before proceeding to avoid possible electrical shock hazard. Failure to do so can cause severe personal injury or death.

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## Instructions - Burner Mounting Plate Removal

1. Turn electrical power to the unit “OFF”.
2. Shut off the main fuel supply to the unit.
  - For PERFORMANCE and ELITE gas units shut the main gas supply to the unit by closing the main manual shutoff valve to the unit.
  - For ELITE oil units shut the manual valve on the main oil line and shut down the boost pump (if applicable).
3. Disconnect the fuel supply line from the unit at the burner.
4. On the PERFORMANCE units only:
  - Remove the corrugated hose at the air inlet elbow connected to the venturi inlet of the blower.
  - Disconnect the 6 port snap-set located in the lower left corner of the burner plate by depressing the snap-set “locking tab” located in the center of the snap-set.
5. Loosen and remove the (2) 17mm nuts located on the left and right side of the burner mounting plate.
6. Remove the burner mounting plate with the burner assembly attached to the unit.
7. Remove the existing burner plate insulation gasket from the burner mounting plate and combustion chamber frame. Discard the old insulation gasket. If the insulation “sticks” to the mounting plate and/or the chamber frame use a flat bladed putty knife to remove the insulation.

## Instructions - Installing Jam Nuts and New Gasket Insulation

1. Thread (1) Jam nut from the parts kit onto each of the burner-mounting stud. The Jam nut should be threaded fully and wrenched tightened.
2. Place the new insulation gasket panel onto the burner mounting plate. Use care not to damage the insulation when handling.
  - For PERFORMANCE units the installer may have to cut the insulation gasket to fit around the spark igniter.

### WARNING

**Do not reuse the existing insulation gasket as it may be damaged or unable to provide adequate seal during reinstallation of the burner plate. Failure to comply with this requirement could lead to leakage of the flue gases resulting in severe personal injury or property damage.**

3. Lift and place the burner mounting plate with burner assembly and insulation gasket onto the mounting studs. Use extreme care in handling and mounting the burner plate with the insulation to prevent damage to the insulation.
4. Place (1) lock washer included in the parts kit onto the mounting stud.
5. Thread the existing 17mm mounting nuts onto the mounting studs and tighten fully. The nuts should be tightened with a wrench to the point the lock washers are compressed.

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### Instruction - Returning Unit Back Into Service

1. Reconnect the fuel supply piping to the units.
  - For gas installations use pipe dope compatible with propane on all joints
2. For the PERFORMANCE units reconnect the snap set connection on the lower left of the burner plate and reattach the corrugated hose to the air inlet elbow.

3. For all gas units a leak test must be conducted prior to placing the unit into service. Repair any leaks if found.

### **WARNING**

**Do not check for gas leaks with an open flame. Use a bubble test. Failure to check for gas leaks can cause severe personal injury, death or substantial property damage.**

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## NOTICE

To maintain warranty records Triangle Tube is requesting the contractor to complete the Kit Completion Form and forward it back to Triangle Tube. The unit model number and serial must be entered onto the form.

## KIT COMPLETION FORM

### CUSTOMER:

Customer Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State: \_\_\_\_\_

Zip Code: \_\_\_\_\_

### CONTRACTOR:

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State: \_\_\_\_\_

Zip Code: \_\_\_\_\_

Phone Number: \_\_\_\_\_

### Delta Unit:

PERFORMANCE \_\_\_\_\_

ELITE \_\_\_\_\_

Model Number: \_\_\_\_\_

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Date of retrofit: \_\_\_\_\_

Date of retrofit: \_\_\_\_\_

Series 2 Wiring Completed: \_\_\_\_\_

Mail or Fax the completed form to:

Triangle Tube  
1 Triangle Lane  
Blackwood, NJ 08012  
(856) 228 8881 Phone  
(856) 228 35 84 Fax