

## METAL-EXP-MR

### Sheet Metal Expansion Kit

**Models: 6K, 8K, 6KL, 8KL, 6KX, 8KX, 6KX-AU, 6KMOD, 8KMOD, CAL36, CAL42, CAL36X, CAL42X, MER36, MER42, MER36P, MER42P, MER36MN, MER42MN**

### Installation Instructions



Leave this manual with party responsible for use and operation.



**HOT GLASS WILL  
CAUSE BURNS.**

**DO NOT TOUCH GLASS  
UNTIL COOLED.**

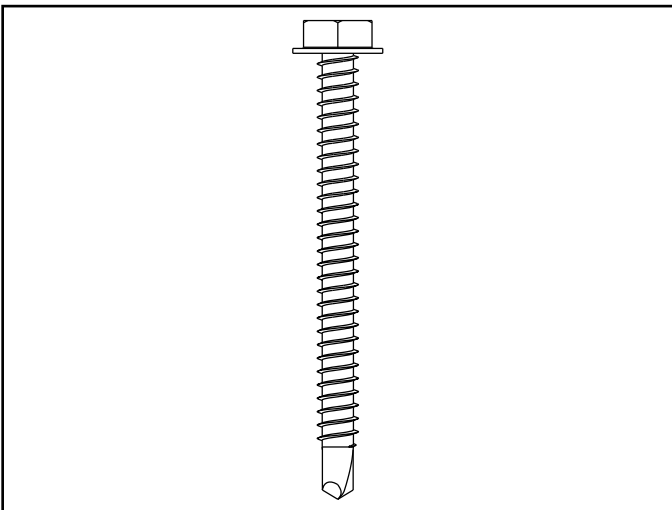
**NEVER ALLOW CHILDREN  
TO TOUCH GLASS.**

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and must be installed for the protection of children and other at-risk individuals.

**CAUTION! Risk of Cuts, Burns, Abrasions or Flying Debris.** Wear protective gloves and safety glasses during installation. Sheet metal edges are sharp. Appliance will be hot when performing thermal expansion location procedure.

### Kit Contents

- 2 Inch Self-Tapping Screws (4) See Figure 1.



**Figure 1 Kit Contents**

### Tools/Supplies Needed

- Straight Edge
- Drill with 5/16 inch driver

### Introduction

This kit is intended to reduce noise created by thermal expansion in the firebox / air passage zone. Noise is caused by metal expanding and contracting as the appliance heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation, safety, or longevity of the fireplace.

### Installation Instructions

**WARNING! Risk of Injury!** This kit must be installed by a qualified service technician.

**CAUTION! Do not install damaged components.**

**CAUTION! Risk of Burns!** The fireplace should be turned off and cooled before this kit is installed.

### Thermal Expansion - Firebox / Air Passage Zone

The back of the firebox / air passage zone is a location in which thermal expansion can occur. Refractory, both glass and fiber, tends to promote the presence of thermal expansion as well.

Proceed with the following steps if addressing thermal expansion in the firebox / air passage zone. If the thermal expansion is located in another area of the firebox, a METAL-EXP can be installed if necessary.

1. Remove the decorative front, glass assembly, logs and refractory.
2. Mount 2 inch self-tapping screws as shown in Figure 2.
  - Sink screws to pull air passage wall and firebox wall snug.
3. Replace refractory, logs, glass and decorative front.

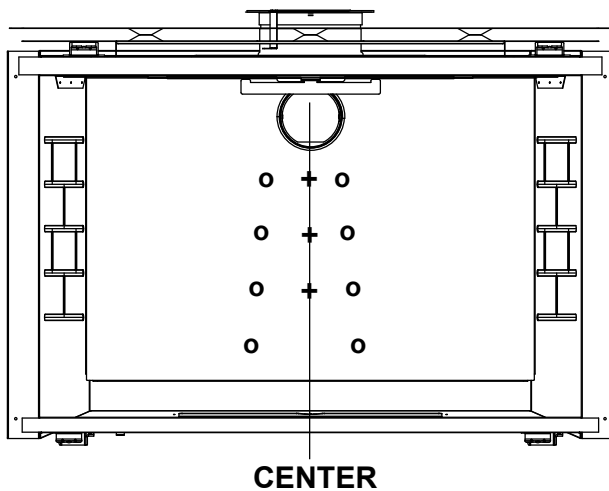
### Thermal Expansion - Assess Sound Reduction

- Start the appliance and allow it to run for 30 minutes.
- Shut appliance down.
- Evaluate sound level

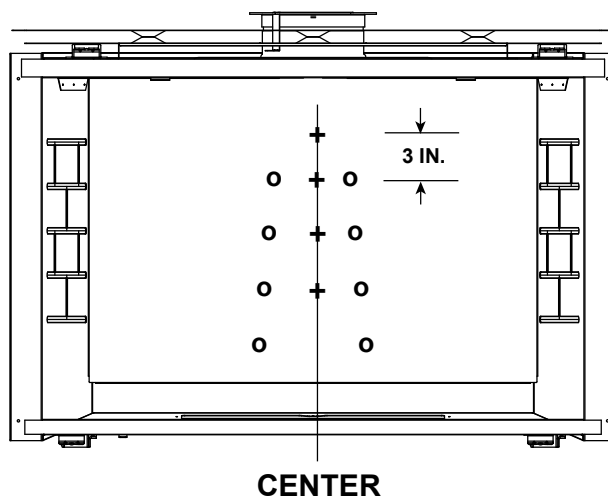
Repeat process to verify the source of the thermal expansion has been eliminated.

○ = TOX LOCATIONS  
 + = SCREW LOCATIONS  
 Screws are aligned horizontally with  
 tox locations and centered vertically  
 between toxes.

#### TRADITIONAL MODELS



#### MODERN MODELS



#### TOP VIEW

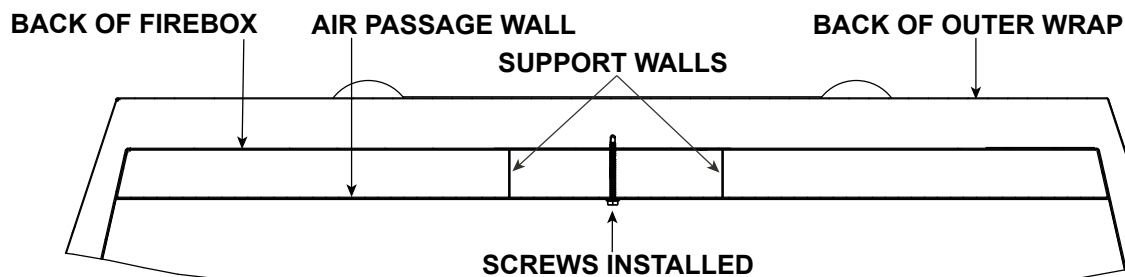


Figure 2 Mount Screws in Firebox / Air Passage Zone

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 with any questions or concerns.  
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 Technologies dealer,  
 please visit [www.hearthnhome.com](http://www.hearthnhome.com).

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