



Health and Safety Warning:

Ceramic fiber products are suspected of causing cancer by inhalation. All ceramic fiber products have a hazard communication warning label and a prop 65 warning for airborne fiber inhalation. You should minimize exposure to airborne fibers. When handling ceramic fiber we recommend using particulate respirator mask (N95), protective gloves, safety glasses and long sleeve clothing. For complete safety information consult the SDS sheet. <https://www.lynnmfg.com/documentation/>



Before you start work:

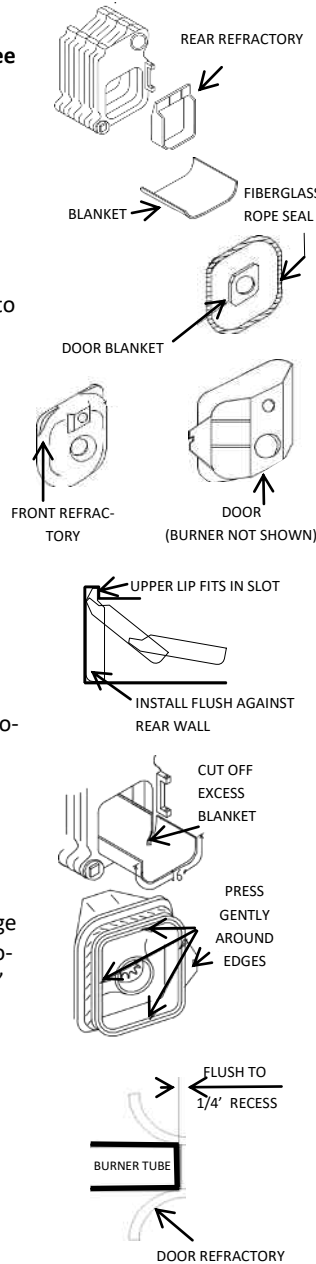
1. Read all instructions and check the kit number before starting work. **See Note A.**
2. Turn off service switch on boiler and all other electrical disconnect switches.
3. Close fuel supply valve(s) and disconnect fuel line from the burner.
4. Disconnect burner wiring harness.

Removal:

5. Remove nut holding door and swing open. Door can be lifted off hinge to provide more access.
6. Remove old front refractory and door blanket from door.
7. Remove old sealing rope from door perimeter.
8. Remove old blanket from combustion chamber floor.
9. Remove old rear refractory.
10. Wire brush all internal surfaces to remove scale, deposits, and old refractory and blanket material.
11. Clean interior door surfaces carefully, including rope seal groove.

Installation:

12. Install the rear refractory as shown in the illustration, making sure it is flush against the rear wall and the upper lip is in the slot at the top. **NOTE:** Use the Kaowool paper shims provided between the rear refractory and boiler sides to insure a press fit if necessary. **See Note B. See Drawing.**
13. Install the floor blanket. **See Note C. See Drawing.**
14. Install the door blanket over the burner tube.
15. Carefully press the front refractory into place in the door. To avoid breakage, work it into place gradually by pressing around the outer edge of the refractory. Adjust the fit as needed. **See Note B.** When refractory is properly seated, the end of the burner tube should be flush to 1/4" back from the inside surface of the refractory opening. **See Drawing.**
16. Install rope door seal. **See Note D.**
17. Close burner door and secure gas-tight with nut.
18. Connect burner wiring harness.
19. Connect fuel line to burner. Turn on fuel supply valve (s).
20. Turn on all electrical switches and fuel supply valves. Complete initial firing and combustion test. **See Note E.**



Note A: Correct Kit

Please check this is the correct kit for your make & model boiler by checking the box label or consulting our Ready Reference.

Note B: Fitting Ceramic Fiber Pieces

Many of the rigid ceramic fiber pieces are designed to be a firm press fit. To avoid breakage, press carefully and gradually. The fit may need to be adjusted by sanding or filing until a snug press fit is achieved.

Note C: Installing the Floor Blanket

The blanket provided with this kit is sized for the largest possible boiler and will normally have to be cut to size. The blanket must cover the entire bottom of the chamber. The blanket should be glued in place by covering the floor with waterglass before installing the blanket. Use the entire 4oz bottle that is provided and spread with a chip brush or rag.

Note D: Installing Rope Door Seal

After removing the old sealing rope from door perimeter, clean aggressively with a wire brush. Remove the paper backing from the rope adhesive, and press the rope into the sealing groove. Install so that the ends of the rope meet at the bottom of the door and butt firmly against each other. Maintain a gas-tight seal around door to avoid severe personal injury or death.

Note E: Initial Firing

Fire the burner for 15 minutes to allow ceramic fiber insulation to "cure". It is normal when first fired for some smoke and a slight odor to occur. Combustion test must be performed after curing process.

Application, Installation and Use Warning:

In applications including; boilers, furnaces, wood stoves, wood inserts, fireplaces, heating devices, and other appliances, parts must be used consistently with original equipment manufacturers specifications, design, function and operation.

Improper installation or use of this product could result in a fire, smoke inhalation or carbon monoxide poisoning. Products should be installed by a licensed and certified technician in compliance with all national, state and local codes. Products should be inspected annually by a licensed and certified technician for wear, brittleness, cracking or crumbling, and replaced as necessary. Lynn Manufacturing, Inc. recommends installers certified by NFI, CSIA or NORA.

Never work on a piece of equipment or touch the fibrous product when it is hot, as the product may show no visible signs of heat from glowing or smoking.

Lynn Manufacturing, Inc offers hundreds of products with many applications. Determining whether the product is a fit for the particular purpose and suitable for an application is the sole responsibility of the purchaser/installer.

In no event shall Lynn Manufacturing, Inc be liable for any damages to property or life arising from or connected with the use of this product.