



INSTALLATION INSTRUCTIONS

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Replacement Combustion Chamber Kit

Utica Starfire III & IV

Utica Constellation
Columbia CSFH-3 & CSFE
Dunkirk Empire II Steam
Olsen OSFH
Pennco KSC Steam

WARNING

This product contains fiberglass wool and ceramic fiber materials. Airborne fibers from these materials have been listed by the state of California as a possible cause of cancer through inhalation. Apply special care when handling these materials. (Burner door refractory, rear refractory, blankets, rope seal, jacket insulation, etc.)

Please see MSDS for more health and safety information.

BEFORE STARTING:



Failure to perform the following can cause severe personal injury, death or substantial property damage!

- * Read all instructions before starting.
- * Follow all instructions in proper order.
- * Turn off service switch on boiler and all other electrical disconnect switches.
- * Close fuel supply valve(s) and disconnect fuel line from burner.

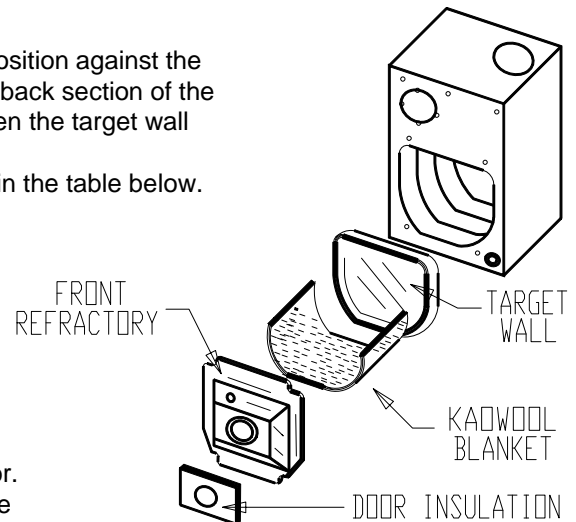
REMOVAL:

1. Disconnect wiring from oil burner, and make sure the oil line is disconnected.
2. Remove burner/mounting plate assembly by removing the four nuts.
3. Remove the nut for the swing-out door and open the door.
4. Remove the old door insulation, front refractory, floor blanket and target wall.
5. Thoroughly clean out the combustion area.

INSTALLATION:

6. Insert the new target wall through the boiler opening, and press it into position against the backwall of the boiler. The target wall should be a tight press fit into the back section of the boiler. If it is loose, place the ceramic fiber paper shims provided between the target wall and the casting to insure a tight fit.
7. Cut the Kaowool ceramic fiber blanket to size using the measurements in the table below.

Boiler Sections	Width	Depth (Front to Back)
3	24"	6-1/4"
4	16"	9-7/8"
5	16"	13-1/2"
6	16"	17-1/8"
7	16"	20-3/4"



8. Open the bottle of waterglass and spread the contents on the boiler floor.
9. Place the blanket on the floor of the boiler. Make sure it is up against the bottom lip of the target wall and centered from side to side.
10. Place the new front refractory into the burner mounting plate assembly.
11. Place the new door insulation into the swing-out door.
12. Bolt the door shut and reinstall the burner mounting plate assembly with the four nuts you removed.
13. Reconnect oil line and electric power.
14. Fire the burner for 15 minutes to allow the chamber to "cure".

Note: When first fired, some smoke and a slight odor will occur.
This is part of the curing process.

15. Combustion tests **MUST** be performed **AFTER** the curing process is complete to insure proper performance.

