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INSTALLATION INSTRUCTIONS

REPLACEMENT COMBUSTION CHAMBER KIT FOR BURNHAM V-8 SERIES

OIL - FIRED BOILERS

ITEM #1129 V-82, V-83, V-84, V-85, V-86

ITEM #1130 V-87, V-88, V-89

WARNING This symbol is used in these instructions to indicate the presence of hazards that can cause severe personal injury, death or substantial property damage.

WARNING This product contains ceramic fiber materials. Airborne fibers from this material have been listed by the State of California as a possible cause of cancer through inhalation. Apply special care when handling these materials. (front insulation, target wall, and blanket)

- Suppliers of ceramic fiber products recommend the following precautions be taken when handling this material:
- Precautionary measures:
- * Avoid breathing dust and contact with skin and eyes.
 - * Use NIOSH approved dust/mist respirator.
 - * Wear long sleeved, loose fitting clothing, gloves and eye protection.
 - * Wash work clothes separately from other clothing and rinse washer thoroughly.
 - * Operations such as sawing, blowing, tearout and spraying may generate airborne fiber concentrations requiring additional protection.
- First aid measures:
- * Eye contact - Flush eyes with water to remove dust. If symptoms persist, seek medical attention.
 - * Skin contact - Wash affected areas gently with soap and warm water after handling.

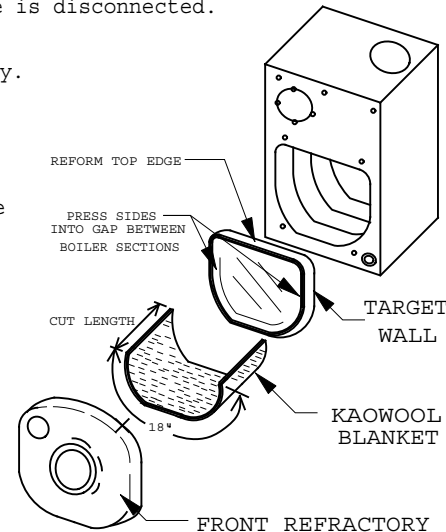
BEFORE STARTING: **WARNING** Failure to perform the following can cause severe personal injury death, or substantial property damage.

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

- REMOVAL:**
1. Check to make sure all electric power is off, and the oil line is disconnected.
 2. Open the front burner mounting plate door.
 3. Remove the old Target wall, floor blanket, and front refractory.
 4. Clean-out the combustion area.

INSTALLATION:

5. Remove the new target wall from plastic bag and carefully pass it through the opening in the front section and set it against the back wall of the boiler. Reform the top edge of the target wall and tuck the sides into the grooves between the boiler sections to hold it in place.
6. Cut the 18" wide Kaowool blanket to the length shown in the table below for the size boiler you are working on.
7. Open the bottle of waterglass and spread the contents on the boiler floor.
8. 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.
9. Press the new front refractory into the burner mounting door.
10. Replace the rope seal around the door with the new rope provided.
11. Close and secure the burner mounting door and oil burner.
12. Reconnect and turn on the oil line and electric power.
13. Fire the burner for 15 min. to allow chamber to "cure".



BOILER SIZE	BLANKET LENGTH
V82	3"
V83	8"
V84	13"
V85	18"
V86	23"
V87	28"
V88	33'
V89	38"

NOTE: WHEN FIRST FIRED, SOME SMOKE AND A SLIGHT ODOR WILL OCCUR. THIS IS PART OF THE CURING PROCESS.

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