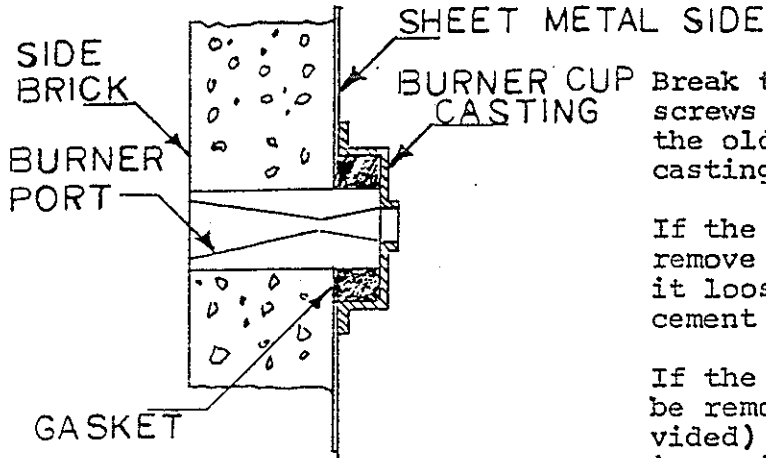


INSTRUCTIONS FOR LINING NO. 125 SPECIAL LENGTH FURNACE

1. Remove front casting and remove old lining material.
2. Place left side brick (10½" long) in position.
3. Put small amount of cement along back edge of left side brick (16" long) and set in place.
4. Cement left side of back brick and set in place.
5. Put small amount of cement on left side and back of bottom brick (8" long) and position against left side and back brick.
6. Put cement on left side and back of bottom brick (16" long) and set in place.
7. Put cement on right side of back and bottom bricks and position right side brick (18½" long).
8. Cement back side of right side brick (8" long) and set in place.
9. Cement top of the side bricks and back brick and slide top brick (16¼" long) into place.
10. Cement back edge of top brick (10¼" long) and slide into position.
11. Check all cemented joints making sure enough cement has been used.
12. Cement all front surfaces and position front frame brick. Replace front casting.
13. To pour door lining, lay 1" insulating block in bottom of door casting.
14. Mix 25 pounds of high temperature castable material to an even consistency.
15. Add between 1 and 1½ quarts of clear, cool water to the castable. Mix thoroughly and pour into the door casting.
16. Use a stiff, straight edge to level off the top surface. Make sure the castable is level with the sides of the door casting.
17. Allow lining to set up over night.
18. Lay paper, on the inside bottom of the furnace, to catch the brick dust. Use the holes in the sheet metal as a guide and drill 3" diameter holes in the top brick. A hole saw can be used or you can use a small drill and finish to size with a file.
19. If you have a temperature control, drill a 1" diameter hole through the back brick for the thermocouple.

20. Put the burner cup castings on the furnace. Use the castings as a guide, take a 7/8" drill and bore a hole through the side brick. Remove the castings and enlarge the hole to 2" diameter, using the 7/8" hole as a center guide.
21. Consult Form No. 1069-R for installing the burner ports.
22. Place cement on side and bottom of hearth rests. Place in position at front and back of furnace. Cement bottom of center hearth support and position at center of bottom. Be sure the top of the center hearth support is even with the top of the front and back hearth rests.
23. Allow cement to dry overnight.

REPLACING PORT & GASKET IN OVEN FURNACES

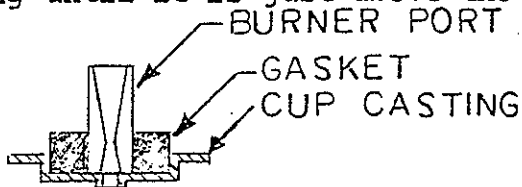


Break the union in the piping. Loosen the screws and remove the cup casting. Remove the old gasket and any cement from the cup casting.

If the burner port is cracked or deteriorated remove it by tapping the sides lightly to break it loose or crack it. Remove any chunks of cement that remain on the side brick.

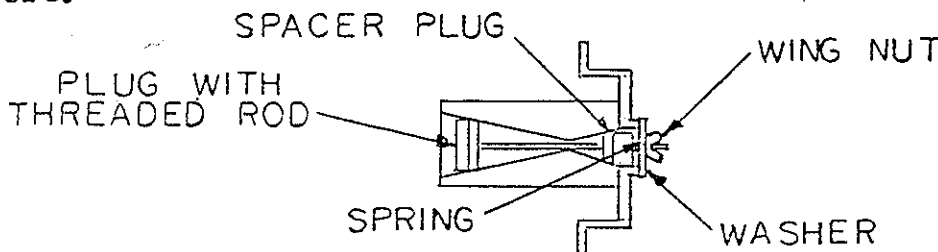
If the burner port is okay and doesn't have to be removed. Place the new burner port (provided) in the center of the burner cup casting, with the small port hole against the casting. Fasten the port in position using

the holding fixture provided. (See sketch at bottom of page.) Place the gasket strip inside the cup casting and around the burner port. Using your thumbs or a block of wood, press the gasket material down, inside the cup casting until it is just above the top of the cup casting.



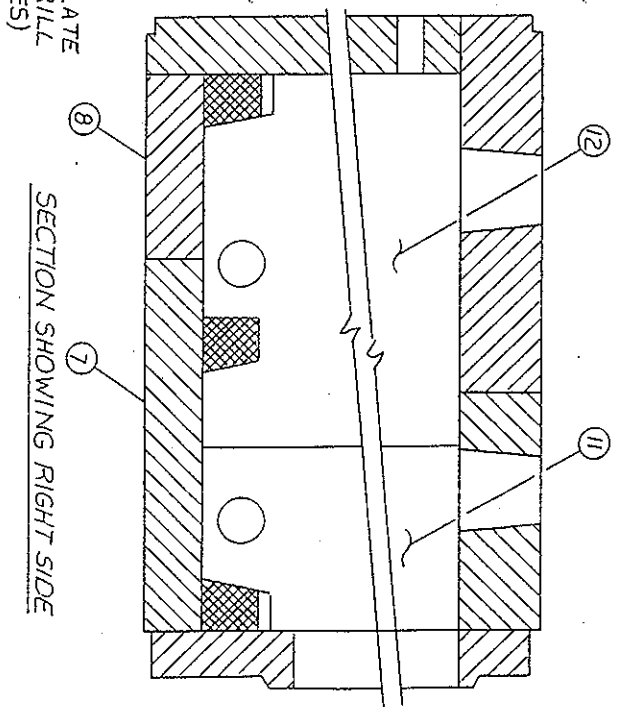
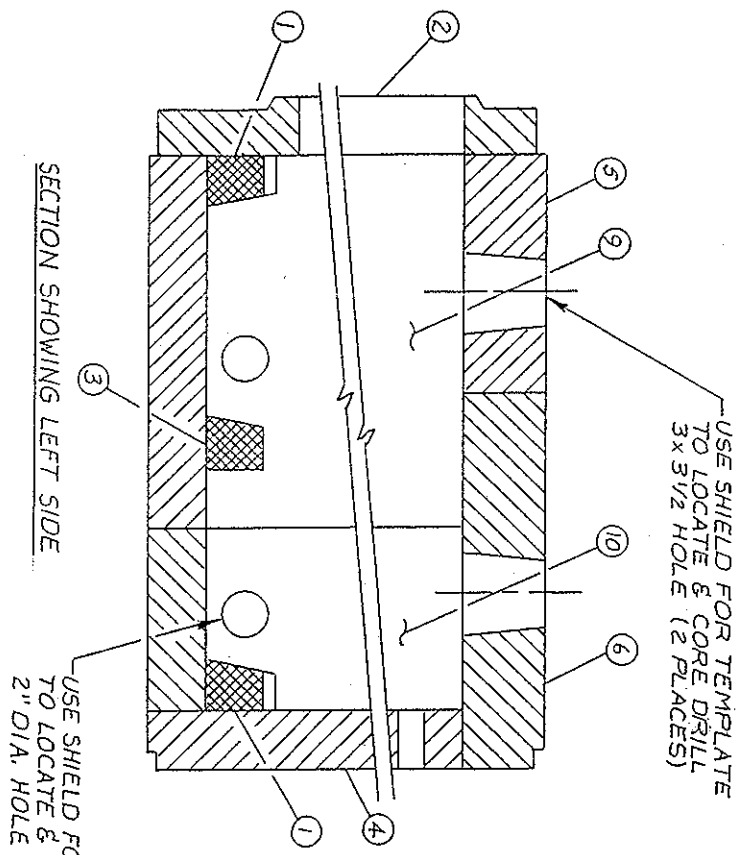
Disassemble the holding fixture and remove the burner port by rotating it gently. Put a thin layer of cement around the outside of the burner port that is in the side brick. Put a thin layer of cement on the side brick next to the burner port.

Slide the gasket and cup casting over the burner port by rotating the cup casting. Line up the holes in the sheet metal side and cup casting. Tighten the screws and pull the cup casting against the sheet metal side. Make sure the end of the burner port is against the cup casting and the holes through the center are lined up and clear of cement. If the old burner port is to be replaced, repeat the same procedure as above except do not remove the burner port from the cup casting. Put a 1/8" layer of cement around the outside of the burner port. Insert the port through the hole in the side brick. Line up the holes in the sheet metal and cup casting. Use the screws and draw the burner port and cup casting in place. Make sure the end of the burner port is against the cup casting and the holes through the center are lined up and clear of cement. If the hole in the side brick was too large, fill in the space with cement. Allow the cement to set for about one hour, then gently, remove the holding fixture and proceed to another port.



B-139-A

ITEM	PART NO.	QTY.	DESCRIPTION
1	B/142-13	2	HEARTH REST
2	B/125-H	1	FRONT FRAME BRICK ASSY.
3	A/143-4	1	CENTER HEARTH REST
4	A/125-27	1	BACK BRICK
5	A/127-6	1	TOP BRICK-FRONT
6	A/127-5	1	TOP BRICK-REAR
7	B/142-23	1	BOTTOM BRICK
8	A/148-39	1	BOTTOM BRICK-REAR
9	A/127-8	1	LEFT SIDE BRICK-FRONT
10	A/127-3	1	LEFT SIDE BRICK-REAR
11	A/127-4	1	RIGHT SIDE BRICK-FRONT
12	A/127-7	1	RIGHT SIDE BRICK-REAR



PART NAME: LINING ASS'Y. (SPECIAL LENGTH)

MATL.:

BLANK SIZE: D-139-B

NO. REQ'D: 1

SCALE: 3/16 = 1"

JOHNSON GAS APPLIANCE CO.
CEDAR RAPIDS, IOWA 52405

DATE: 3-25-80

APPR. BY: [Signature]

B-139-A

A/A-127-B WAS A-125-30, A/127-7 WAS A-125-29