WARNING:
The operations described here-below must be performed by qualified personnel.

WARNING:
Before replacing the refractory, disconnect the equipment from the power supply with the main ON/OFF switch and close the manual gas shut off valve.

CAUTION:
During every maintenance operation, always replace the gaskets, especially the burner gaskets.

Replacement Procedure

Please follow the following steps for the refractory replacement:

1. Disconnect the two electrical connectors from the fan as shown in Fig. 1

2. After closing the gas valve, disconnect the gas hose fitting as shown in Fig. 2.

3. Disassemble the fan by unscrewing the 4 nuts that lock the flange to the burner head as shown in Fig. 3.

4. Pull the fan upwards as shown in Fig. 4.
5. Remove the gaskets as shown in Fig. 5 and Fig. 6 and pull up the burner as shown in Fig. 7.

7. Pull up the refractory ring, the flange sealing ring, and the steel basket as shown in Fig. 9 and Fig. 10.

After removing the burner, continue as follows:
6. Unscrew the nuts that lock the burner flange as shown in Fig. 8.

8. Access the refractory disk via the hole in the top of the combustion chamber as shown in Fig. 11 and 12.
9. Pull the refractory disc out and carefully remove all of the debris from the holder, as shown in Fig. 13.

10. The replacement kit (part #: 7738006357) contains 2 refractory half-discs, a sealant cartridge and a fiber disc, shown in Fig. 14.

11. Place the fiber disc on the disc holder of the combustion chamber as shown in Fig. 15.

12. Place the dented refractory half-disc (Fig. 16) on the fiber disc;

13. Make sure the dented half disc is placed as shown in Fig. 17. Also make sure it matches perfectly to the disc holder and to the coil by turning it with your hand.
14. Mark the steel coil at the two edges of the refractory half-disc as a reference for the final assembly as shown in Fig. 18.

15. Remove the dented half-disc and place a strip of sealant on its inner edge as shown in Fig. 19.

16. Place the half-disc again on the disc holder by keeping the sealant upwards; make sure the edges match with the marks previously taken as shown in Fig. 20.

17. Take the second half-disc and place a strip of sealant at the inner edge as shown in Fig. 21.

18. Place the second half-disc matching the first one and press carefully by hands without using any tools in order to avoid any possible breakage. See Fig. 22.

19. Re-assemble all components, and check all gaskets (burner/o-ring flange gaskets).

WARNING:

Please wait at least 12 hours before turning on the burner, or you could risk damaging the heat exchanger.