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83950 (Replaces 82769) Ceramic Door Insulation Burner Door Disc for Lx300-400, Ti400, Ts80

Applicable Boiler Models

- Lx300
- Lx400
- Ti400
- Ts80

Kit Contents

- 1 Ceramic Door Insulation (burner door disc)

Tools Required

- T-20 Torx Screwdriver
- 1/4" Nut Driver
- 10mm wrench
- Pipe Wrench
- Phillips #2 Screwdriver
- 5/16" Nut Driver
- 9/16" Wrench
- 1/2" Wrench

Replacement Instructions

- 1) Turn power and gas to the boiler off.
- 2) Remove the, igniter and flame probe
- 3) Disconnect the air-intake from the combustion fan assembly
- 4) **Lx 300/400 only:** Disconnect the metallic tubing between the blower and high-vent pressure switch by loosening the compression fitting. At the blower, support the brass fitting with a 1/2" wrench to keep it from rotating while loosening the compression fitting nut with a 9/16" wrench. Remove tubing assembly from blower.



Figure 1 - Ceramic Door Insulation

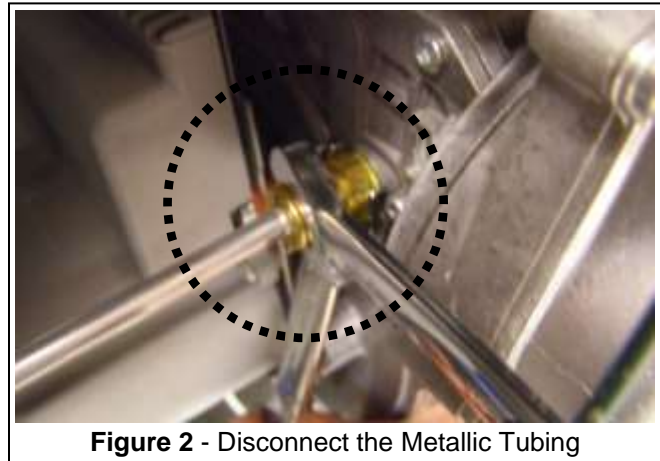


Figure 2 - Disconnect the Metallic Tubing



Explosion Hazard (Lx300-400 models) - Metallic tubing connecting the blower to the high-vent pressure switch contains Fuel/Air Mixture. Failure to follow tubing disconnection instructions will result in serious injury or death.



Crystalline Silica - Certain components confined in the combustion chamber may contain this potential carcinogen. Improper installation, adjustment, alteration, service or maintenance can cause property damage, serious injury (exposure to hazardous materials) or death.

- 5) Remove wiring harnesses and tubes from combustion blower gas valve assembly
- 6) Remove burner door and replace insulation disc which is located on the inside of the door.
- 7) Inspect burner door gasket for cracks, hardening, or any other defect that may prevent proper burner door sealing.



Flue Gas Leakage - Failure to properly seal the burner door may result in flue gas leakage which may lead to serious injury or death.

- 8) Re-assemble in the reverse order.