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## 83112-1 DIVIDER PLATE INSULATION REPLACEMENT KIT

### ▲WARNING

This boiler must be serviced by a qualified heating technician. Failure to properly maintain or service this appliance may result in property damage, serious injury to occupants or, death.

### ▲WARNING

The installation of this kit must be performed by a qualified boiler technician. Installing this kit without the proper qualifications and training is hazardous and may result in property damage or death.

#### Applicable Boiler Models:

- Lx150-800
- M100, M100V
- T150-200
- Ti100-400
- Ts80

#### Kit Contents:

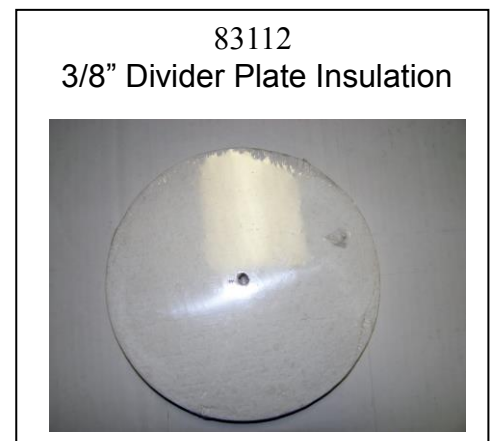
- 83112 – 3/8” Divider Plate Insulation
  - 83340 Stainless Steel Washer
  - 83339 M4 x 8 mm Screw(use with models T150, T150C, T200 & T200C; and non-ASME Lx150, M100, M100V, Ti100, Ti150, Ti150C, Ti200 & Ti200C)
- 84742 – 5/8” Divider Plate Insulation  
(use with all other models)

#### Replacement Instructions:

- 1) Initiate a post-purge cycle to clear any gas from the combustion chamber, and then turn gas and power supply off.
- 2) **Lx300-800:** To disconnect the metallic tubing between the blower and the high-vent pressure switch, loosen the compression fitting at the high-vent pressure switch with a 1/2” wrench. At the blower end, support the brass fitting body 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.
- 3) Access the combustion chamber by removing the burner door assembly of the appliance.
- 4) Remove the insulation disc located in the back of the combustion chamber. When removing a broken Divider Plate, first soak it with water so as not to have any of the fibres in the air. Remove all particles of the old disk from the combustion chamber.

### ▲WARNING

**Crystalline Silica** – Ensure to read and understand the section on Refractory Ceramic Fibers (RFC) in the installation and operation manual that came with the boiler. Failure to comply with handling instructions in the manual may result in serious injury or death.



- 5) Install the correct replacement Divider Plate Insulation according to the boiler model (see “Kit Contents” above):
  - 5/8” Divider Plate Insulation – gently press into place, applying equal amounts of pressure around its circumference. Note: no screw is needed to secure the 5/8” Divider Plate Insulation.
  - 3/8” Divider Plate Insulation – secure in-place using the washer and screw provided in the kit.
- 6) Re-install the burner door, gas-supply and air-inlet pipe, check for gas leaks.
- 7) **Lx300-800:** Reconnect the metallic tubing between the blower and high-vent pressure switch. Ensure the brass fitting body at the blower remains stationary and does not rotate during reconnection, check for gas leaks.

**⚠ WARNING**

**Explosion Hazard (Lx300-800)** - The metallic tubing connecting the blower and the high-vent pressure switch contains Fuel/Air Mixture. Ensure the tubing is connected properly and free of leaks. Failure to follow these instructions will result in serious injury or death.

- 8) Perform the Operational Check List detailed in the boiler’s Installation and Operation manual.

**⚠ WARNING**

Replace any gaskets or insulation discs that show any signs of damage; do not re-use. Failure to follow these instructions may result in fire, property damage or death.