

#### NY Thermal Inc. Tel: (506) 657-6000 Toll Free: 1-800-688-2575 Fax: 1-506-432-1135 Web: www.ntiboilers.com Email: info@ntiboilers.com

# 83592-Lx, 83592-Tft

# **Touch Screen Upgrade Kit C/W Wiring and Mountings**For boiler models manufactured prior to June 1 2012

## **Applicable Boiler Models**

- Lx 150, Lx300-800
- Tft60-399

#### **Kit Contents**

- S7999D Touch screen display with mountings
- Touch screen wire harness modification

## **Tools required:**

- 1/4" wrench
- #2 Phillips Screw Driver
- Flat screw driver 1/8"

# **Installation Instructions Lx boilers:**

- 1) Turn off power to the boiler.
- 2) Remove the screws from the sides of the screen housing then lower the screen refer to **Figure 4.**
- 3) Disconnect the electrical connectors.
- 4) Replace the screen assembly with the new one and reconnect the electrical connectors.

\*\*Note\*\*: Lx boilers built prior to June 2012 will utilize only one of the 2 communication connectors. The 2<sup>nd</sup> connector facilitates communication with a building management system (BMS), a feature added in a later software release. (connectors will only mate up to the correct one)

- 5) Run the Red and Blue wires to the boiler low voltage junction box and secure them with the provided zip ties.
- 6) Attach the Blue wire to the Com (24VAC) terminal refer to Figure 3.
- 7) Attach the Red Wire to the R (24VAC) terminal refer to Figure 3.



Figure 4: Lx screen housing





Figure 2: Lx Display (back)

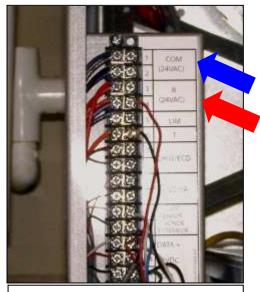


Figure 3: Lx Wiring (Lx150 shown)



### **Installation Instructions Tft Boilers:**

- 1) Turn off power to the boiler at the power source.
- 2) Remove the 4 sheet metal screws securing the display assembly to the boiler. (see figure 7)
- 3) Disconnect the electrical connectors.
- 4) Replace the screen assembly and reconnect the electrical connectors.



Figure 5: Tft Display assemby



Figure 6: Tft Display (back)

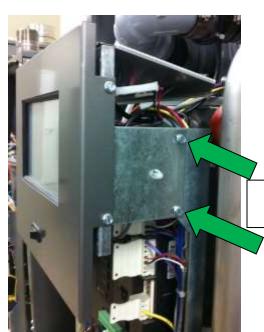


Figure 7: Tft Display removal

Screws to remove from each side of the display assembly