

Item #1040406R – Limit Switch Assembly 2002 and 2003 REPL

Item #1040408R – Limit Switch Assembly 2004 and 2005 REPL

Item #1040410R – Limit Switch Assembly 2006 REPL

THIS PROCEDURE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN

TOP LIMIT REPLACEMENT

1. Disconnect power to all branch circuits and remove the front painted panel.
2. Place the control panel bracket into the service position. (Figure 1)
3. Locate the 2 black wires that route from the element termination on the back side of the top 2 elements to the service light (2000 Series) or core limit relay (Quantum). Cut both black wires about 8" (inches) from the element termination.
4. Disconnect the wires from the back side of the top 2 elements.
5. Remove the screw holding the high limit switch to the bracket and remove the high limit switch by pulling out.
6. Uncoil the new high limit switch.
7. Insert the new high limit switch by gradually inching it through the bracket and into the guide tube.

NOTE: DO NOT use water-based lubricant to aid in the installation of the high limit switch(es). Use of a water-based lubricant will make any future replacement of these limits impossible.

8. Secure the high limit switch to the bracket with the screw.
9. Secure the ends of the 2 black wires from the service light (2000 Series) or core limit relay (Quantum) to the 2 black wires off the limit switch using the butt crimps provided.
10. Connect the element terminations to the back side of the top 2 elements.
11. Move the control panel back into position.
12. Secure the front painted panel and restore power.
13. Verify heater operation.

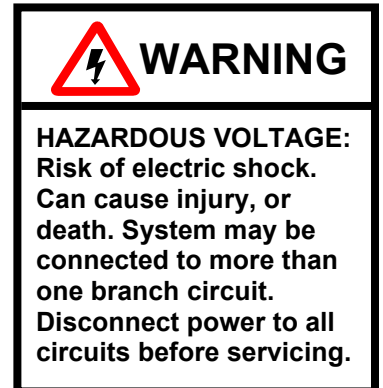


Figure 1



BOTTOM LIMIT REPLACEMENT

1. Disconnect power to all branch circuits and remove the front painted panel.
2. Place the control panel bracket into the service position. (Figure 1)
3. Disconnect wires from the back side of the bottom 2 elements.

High Limit Switch Replacement - 2000 Series and Quantum cont.

4. Remove the screw holding the high limit switch to the bracket and remove the high limit switch by pulling out.
5. Uncoil the new high limit switch.
6. Insert the new high limit switch by gradually inching it through the bracket and into the guide tube.

NOTE: DO NOT use water-based lubricant to aid in the installation of the high limit switch(es). Use of a water-based lubricant will make any future replacement of these limits impossible.

7. Secure the high limit switch to the bracket with the screw.
8. Verify the ends of the 2 black wires with butt crimps are insulated.
9. Connect the element terminations to the back side of the bottom 2 elements.
10. Move the control panel back into position.
11. Secure the front painted panel and restore power.
12. Verify heater operation.