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## Technical Bulletin

B Revision Heaters: Wiring Issue

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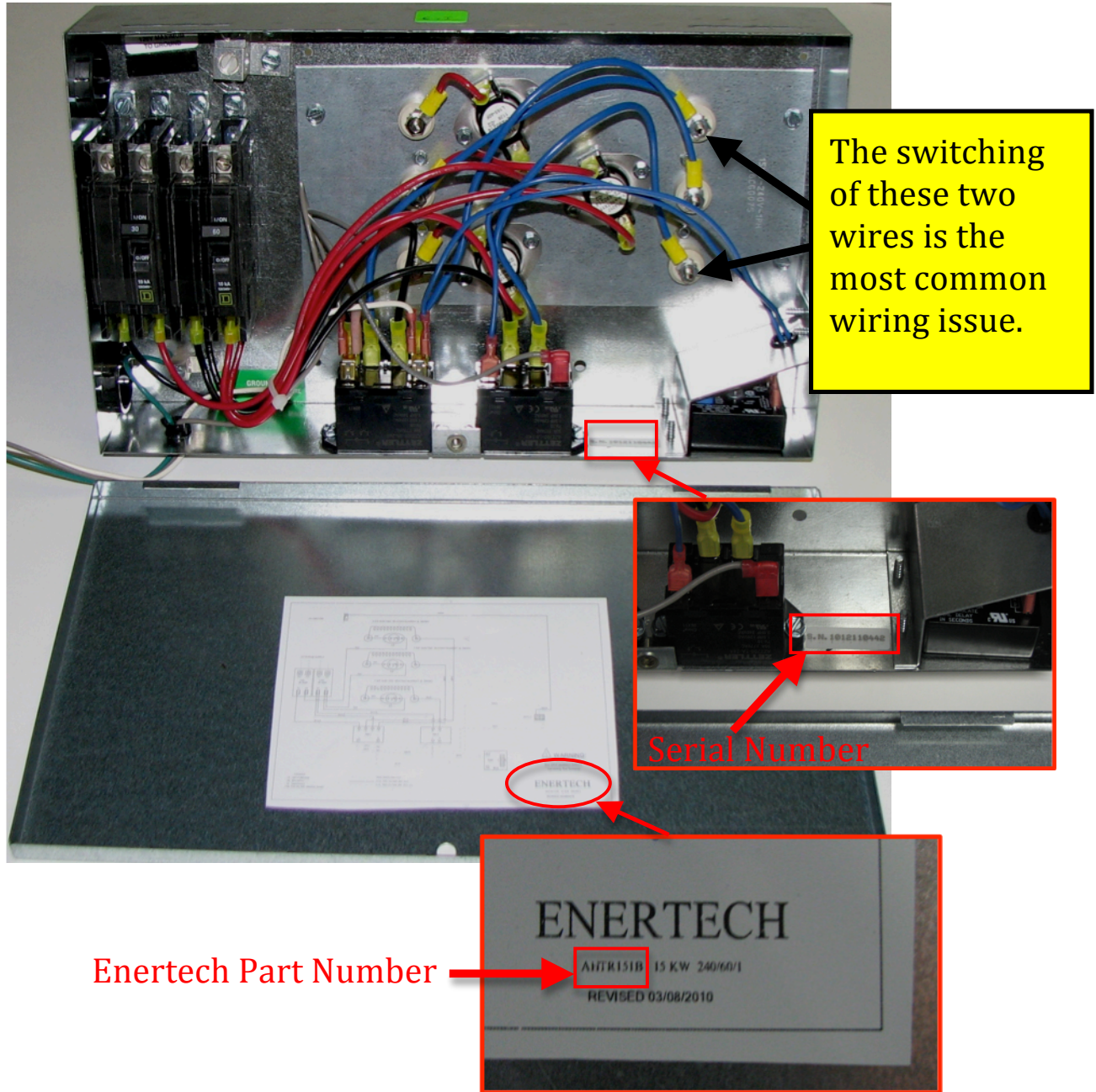
TB11.004

The B revision 15kW and 20kW heaters (AHTR151B & AHTR201B), which are compatible with the XT and CT models, may have incorrect wire placement inside the heater control box. The issues include incorrect point-to-point wiring and overstretching of some low voltage wiring. In some cases, the high voltage wires are placed on points in the heater kit inconsistent with the wiring diagram. This can create a polarity issue causing the heater not to energize. The low voltage wires should be checked for the correct point-to-point wiring, but the only concern found with low voltage wiring is overstretched wired between connection points. In order to correct the wiring issues, proceed with the following steps:

1. Verify the EnerTech part number (see figure 1), which is located on the wiring diagram inside the front cover of the heater kit, matches the heater kit.
2. Inspect the kit wiring by comparing it to the wiring diagram.
3. Check for overstretched wires.
4. Make sure all connections are tight and secure.
5. Keep record of serial numbers (see figure 1) and part numbers of the kits corrected and list of corrective actions made to the wiring.

The picture on the following page points out the locations of the EnerTech part numbers (AHTR---B) on the wiring diagram. Also, the 10-digit serial number location is noted in the picture.

Figure 1. B Revision Heater Kit (AHTR151B)



The switching of these two wires is the most common wiring issue.

Serial Number

Enertech Part Number

ENERTECH  
AHTR151B 15 KW 240/60/1  
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