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Technical Bulletin:

Hard Start Technical Service Bulletin

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Summary: Due to a possible wiring defect, hard start components need electrical verification for proper start function of the secondary compressor.

Effected units: WD120 Series Water-to-Water

Fix action: As needed, rerouting of the second compressor harness to include the hard start component.

WARNING: HAZARDOUS VOLTAGE. Ensure power is disconnected before proceeding.

Instructions:

1. Locate the secondary compressor wire harness at the contactor connection in the control box.

2. Remove the "T" side of the harness from the contactor. (Figure 1)

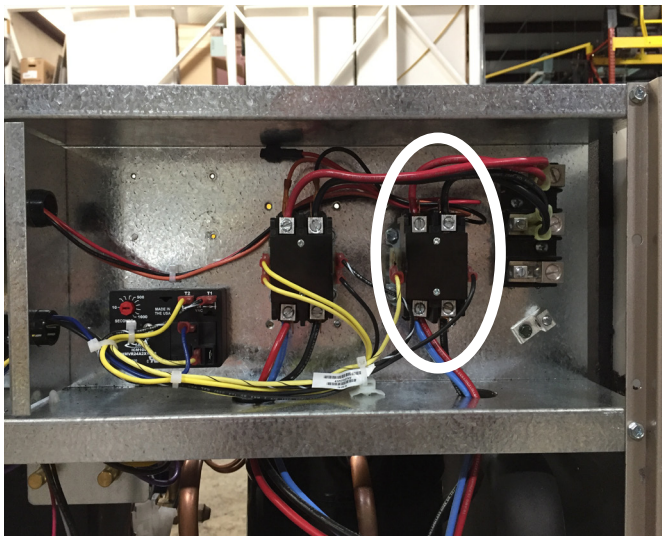


Figure 1: Second Compressor Contactor

3. Remove the start and run capacitor mounting box (Figure 2) from the case by locating and removing the two screws on the external side of case.



Figure 2: Capacitor Mounting Box

4. Verify and, if needed, reroute the run wire (red) through hard start component current sensing relay and back out of the box. (Figure 3). If additional compressor harness length is required, use supplied harness (PN 41P90-01NN)



Figure 3: Wire Routing Through Hard Start Component

5. Reconnect the compressor harness back to the contactor as originally wired. (Figure 1)

6. Verify all wiring before energizing the system. Reference the wire diagram as needed.