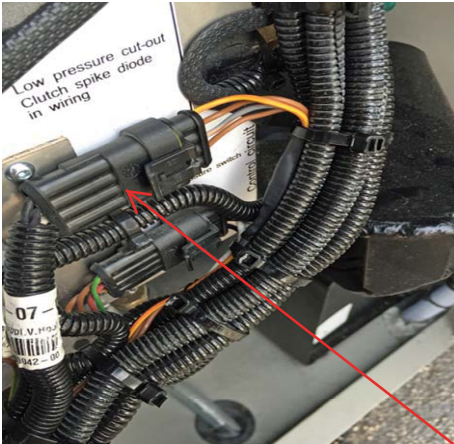


COACH MODEL : CX prior to VIN# 48984 with Bitzer Compressor's
DATE : 9/16/2015
SUBJECT : AC Clutch Circuit Breaker Z505 for CX Troubleshooting.

Figure 1



Step 1:
Remove relay RL139 (EKA or EK2) and test pin 87 on relay base for short circuit to ground. If short circuit on pin 87 is found, move to the connector mounted on right side of A/C Compressor, noted in Figure 1 and proceed to step 2.

Figure 2



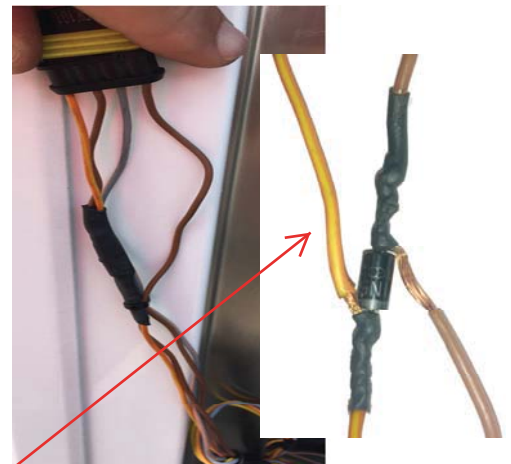
Step 2:
Unplug the connector from Figure 1 and check the clutch coil resistance between pins 1 & 2 (two black wires) on the male side of the plug. The Bitzer clutch coil resistance should be within 7 - 9k ohms. If resistance falls outside of this range, replace the coil. If resistance falls within this range, proceed with checking the diode in step 3.

Figure 3



Step 3:
Check continuity between pin 1 (orange wire with yellow stripe) of the female connector and a ground source as shown in Figure 3. This should be open circuit. If continuity is present this indicates a failed diode, proceed to step 4.

Figure 4



Step 4:
Figure 4 illustrates how to remove the failed diode. This circuit does not require a diode as the Bitzer coil contains internal protection. Remove the failed diode by cutting the wires shown in Figure 4. Attach the two orange wires with yellow stripes together using a soldered connection and then seal this connection with heat shrink. Repeat this process with the two brown wires. Tie strap all wires back in place to prevent rubbing.