

# Battery Pins Soldering Instructions

PN 110500

If your 920i indicator is displaying the “Low Battery” warning shown in Figure 1, check the battery voltage. Normal voltage range is 2.6V - 3.3V. If the reading is at or below 2.6V, replace the battery. If the reading is still at or below 2.6V, the battery pins may need additional soldering.

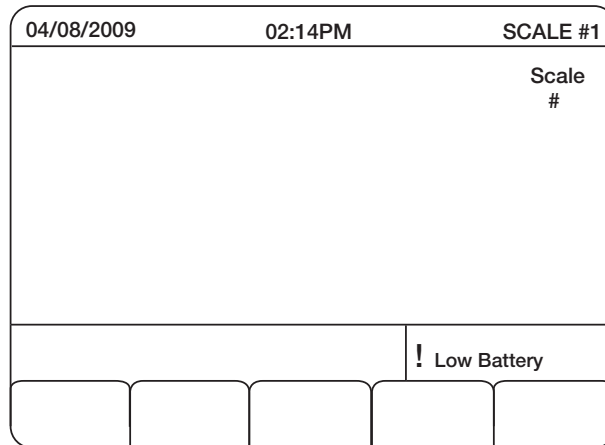


Figure 1. Low Battery warning on 920i screen



## Caution

These procedures are to be performed by qualified service personnel only. This unit uses double pole/neutral fusing which could create an electric shock hazard. Use a wrist strap to ground yourself and protect components from electrostatic discharge (ESD) when working inside the indicator enclosure.

1. Using iRev, back up all databases and 920 files.
2. Disconnect power by unplugging the power cable.
3. Inspect the battery pins. The pins should be evenly covered with solder with no pin exposed. Refer to Figure 2 and Figure 3 for examples.

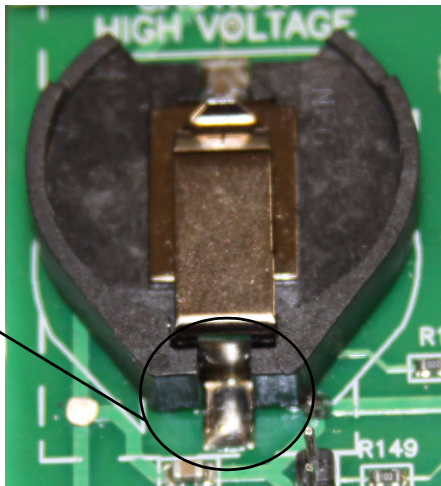


Figure 2. Desired solder applied to lower battery pin

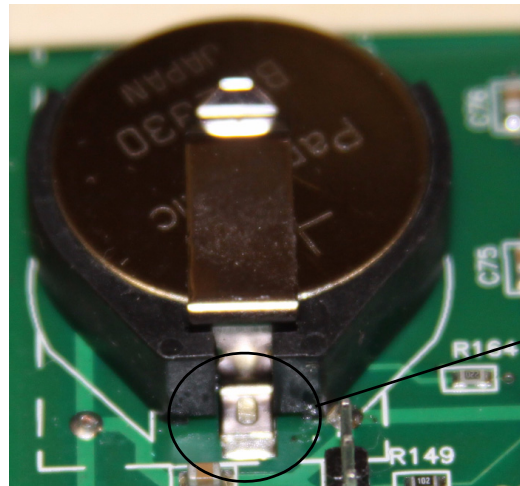


Figure 3. Inadequate solder covering on lower battery pin

4. It may be necessary to remove the battery in order to inspect the top battery pin near the “HIGH VOLTAGE” wording on the board (see Figure 4 and Figure 5 on page 2).

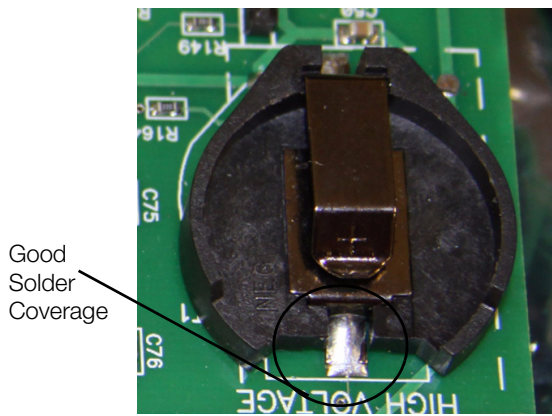


Figure 4. Desired solder applied to top battery pin

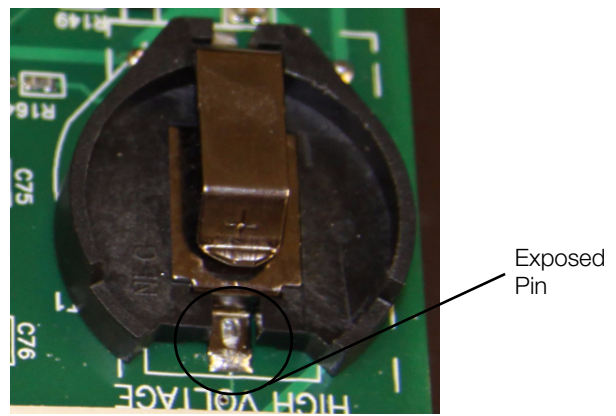


Figure 5. Inadequate solder covering on top battery pin

5. To apply solder to the battery pin, select a soldering iron with a tip approaching the width of the pin.
6. Use the soldering iron to heat up the battery pin. Then, apply solder to the pin so that it melts in an even, overall coverage pattern.

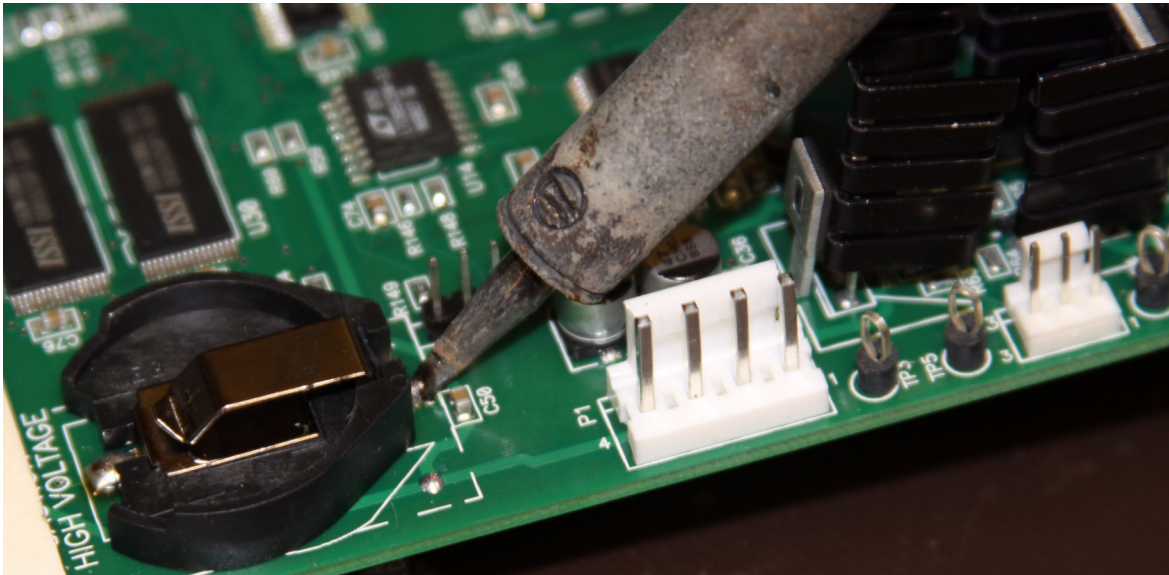


Figure 6. Use the soldering iron to heat up the pin

7. Once the appropriate amount of solder has been applied to both pins and has cooled, insert the battery and power up the 920i indicator. The “Low Battery” warning should no longer appear.
8. If the “Low Battery” warning is still present, contact RLWS service.