

# Trouble Shooting Guide, Electrical

Applicable for W900i

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# 1 Abstract

The purpose of this document is to provide a sequence of repair actions associated with different failure modes. The repair actions are listed in order of their probability of creating a successful repair. The first action has the highest probability, and subsequent actions have lower probabilities. The intention is for the repair technician to implement the first repair action and then retest the phone. If the phone continues to fail the same test, then the technician should continue to the second repair action. If the phone continues to fail the same test after all of the repair actions are exhausted, then the phone will be considered not repairable at this level.

This document should be used only after the steps specified in the Mechanical Trouble Shooting Guide have been exhausted for the given problem area.

## 2 Repair Actions for Manuel Test Failures

Test	Repair Action
Backup battery	1) BT101
Display	1) CN601 & CN602
Earphone	1) CN601 & CN602
	2) IC107
Flash light	1) D416
IR communication	1) IC1002
Illumination, Display	1) CN601, CN602
Illumination, Keyboard FPC (KEY)	1) CN1003
Keyboard FPC (KEY)	1) CN1003
Keyboard FPC (LCD)	1) CN601, CN602
Key lock	1) S001
On/Off	1) CN601
	2) CN1003
Real Time Clock	1) BT101
SIM	1) CN102



Video Call camera	1) CN601 & CN602
Network	1) CN800
Charging	1) IC102
Microphone	1) IC107
USB Data Communication	1) IC102



### 3 Revision History

Rev.	Date	Changes / Comments
A	2005-11-23	First release
B	2006-02-22	Added IC102 and IC107.