



# Equipment List, Electrical

Applicable for Z600/Z608

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# 1 Abstract

This document describes all the required equipment for the Electrical Repair Process of the Z600 mobile phone. Equipment listed without a part number is not orderable from Sony Ericsson and must be bought locally.

The matrices in the end of the equipment tables describe where the actual equipment is needed (marked with a X) or may be needed/optional (marked with a Z).

Flash upgrade: Equipment for downloading software to the unit, both signalling and test-program.

Manual test: Equipment necessary to perform a manual test.

Repair: Equipment necessary for replacing components.

Go/No Go test: Equipment necessary for Go/No Go test.

Calibration in SERP: Equipment necessary to perform a calibration in SERP. **Calibration can only be done by authorized repair centers.**

## 2 Repair Equipment, Electrical

### 2.1 Sony Ericsson Provided Repair Equipment

Description	Part Number	Comments	Flash Upgrade	Go/No Go Test	Manual Test	Calibration in SERP	Repair
Programming Interface, 3V	NTZ 112 334		X			X	
USB Service Card Reader	LZY 213 1191		X				
Service Card	LZY 213 595		X				
Hard lock	KRY 105 165		X				
Sony Ericsson programming interface - SEPI	LTN 214 1484	USB/Interface Box+CD <b>NEW!</b>	Z				
Sony Ericsson interface - SEPI	KRY 101 1115	USB Cable 3V/Accessories <b>NEW!</b>	Z				
Torque Screwdriver *	NTZ 112 459	Torque set to 10 and 15 Ncm +/- 6%					X
Bits No.	NTZ 112 1052	Spare part to screwdriver					X
Front opening tool	NTZ 112 302(/2)	Cabinet opening tool					X
Flex film assembly tool	NTZ 112 521	Tweezers					X
Hingetool	NTZ 112 1049	Upper and lower cabinet separating tool					X
RF-Cable	RPM 119 855	<b>NEW</b>		Z		X	
Dummy Battery	NTZ 112 1050	Includes dummy battery and dummy battery cover	Z			X	
Rework fixture	LTD 260 273	For PBA (Printed Board Assembly)					X
Holder RF Connector	NTZ 112 1051	Used together with antenna connector and RF cable				X	
Antenna Connector	RNT 403 303/001					X	

\*Any screwdriver that fulfils the torque and bit demand can be used.

\*\*The matrices describe where the actual equipment is needed (marked with a X) or may be needed/optional (marked with a Z).



NTZ 112 334	LZY 213 1191	LZY 213 595	KRY 105 165
LTN 214 1484 <b>NEW!</b>	RNT 403 303/001	NTZ 112 459	NTZ 112 1052
NTZ 112 302	NTZ 112 521	NTZ 112 1050	LTD 260 273
NTZ 112 1049	NTZ 112 1051	KRY 101 1115 <b>NEW!</b>	




## 2.2 Equipment Provided by Other Supplier

Description	Comments	Flash Upgrade	Go/No Go Test	Manual Test	Calibration in SERP	Repair
Battery	BKB 193 162/3	X	X	X		
Battery Charger	Standard SonyEricsson charger			X		
Computer	IBM compatible Pentium with at least two USB-ports	X	Z		X	
USB-PC Cable	Type A-B Plug-Plug Cable	Z				
RS 232 Serial cable	9-Pin				X	
Tweezers	ESD-safe					X
Isopropyl Alcohol	To be used when removing glue.					X
Cotton Glove	ESD-safe					X
Zebra Printer	90xi, 90xi II or 4000 deluxe					Z
Printer Cable	Standard RS 232 serial printer cable [referred to Zebra printer manual]					Z
Hot Air Flow Repair Station, Medium.	Temperature range 360-380° C. Air-flow up to 9 l/min					X
Microscope	Minimum 10x magnification					X
Test Instrument – Willtek 42xx			X			
- RF Shield Package Willtek	M 248 343 [42xx] Either Willtek or Rohde&Schwarz can be used		X			
- RF Shield Package Rohde&Schwarz	CMU Z11 Either Willtek or Rohde&Schwarz can be used		X			
Test SIM-card	According to your Instrument supplier.		X			
IR-device	To be used to make connection between the phone and the device			X		
Bluetooth-device	To be used to make connection between the phone and the device			X		



		Flash Upgrade	Go/No Go Test	Manual Test	Calibration in SERP	Repair
Description	Comments					
Hands free equipment	To be used to verify connection in the system connector. Applicable for Z600 phone			X		
Test Instrument – Anritsu MT8801B Test Instrument – Anritsu MT8801C Test Instrument – Anritsu MT8802A Test Instrument – Agilent 8960 Test Instrument – Willtek 44xx					X	
GPIB Card – National GPIB Card – Keithley					X	
GPIB Cable					X	
Power supply	Variable voltage 0-5V Increment 0,1V Max current > 2A				X	

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Type A-B Plug-Plug Cable	9-Pin RS 232 Serial cable



### 3 Revision History

Rev.	Date	Changes / Comments
A	2003-09-22	First release.
B	2003-10-16	RF-Cable RPM 119 855 Changed to Sony Ericsson provided repair equipment
C	2003-11-10	Test Instrument – Acterna 44xx Added for SERP
D	2005-12-19	Changed Acterna info to Willtek