



# Equipment List, HVC/Electrical

Applicable for Z200, Z208

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# 1 Abstract

This document describes all the required equipment for the Electrical Repair Process of the Z200/Z208 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.



## 2 Repair Equipment, Electrical

### 2.1 Sony Ericsson Provided Repair Equipment

Description	Part Number	Comments	Flash Upgrade	Go/No Go Test	Manual Test	Repair
Programming Interface, 3V	NTZ 112 334		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 11 Ncm +/- 6%				X
- Torx Bits No. 6	NTZ 112 288	Part to screwdriver			X	X
Front opening tool	NTZ 112 302(/2)	Cabinet opening tool				X
Flex film assembly tool	NTZ 112 521	Tweezers				X
RF-Cable	RPM 119 855	<b>NEW</b>		Z		
Rework fixture	LTD 260 273	For PBA (Printed Board Assembly)				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	NTZ 112 288	NTZ 112 459	KRY 101 1115
			
NTZ 112 302	NTZ 112 521	LTD 260 273	

## 2.2 Equipment Provided by Other Supplier

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		Flash Upgrade	Go/No Go Test	Manual Test	Repair
Description	Comments				
Battery	BKB 193 174	X	X	X	
Battery Charger	Standard SonyEricsson charger			X	
Computer	IBM compatible Pentium with at least two USB-ports	X	Z		
USB-PC Cable	Type A-B Plug-Plug Cable	Z			
RS 232 Serial cable	9-Pin				
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 – Acterna 42xx Or other Radio test instrument according to 2/1524-2/FEA 209 544/81			X		
- RF Shield Package Acterna	M 248 343 [42xx] Either Acterna or Rohde&Schwarz can be used		X		
- RF Shield Package Rohde&Schwarz	CMU Z11 Either Acterna 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	
Hands free equipment	To be used to verify connection in the system connector. Applicable for Z200/Z208 phone			X	



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



### 3 Revision History

Rev.	Date	Changes / Comments
A	2003-11-14	First release.