

Equipment List, Mechanical

Applicable for Z310

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1 General

This document describes the minimum required equipments for the Mechanical Repair Process of the Z310 mobile phones.

Equipment listed without a part number is not orderable from Sony Ericsson and must be bought locally.

2 Column Definitions

The matrices in the end of the equipment tables describe where the actual equipment is needed (marked with an 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.

The columns that assist in specifying and/or clarifying the equipment needed are considered description type columns.

- Description The name of the equipment.
- Part Number The Sony Ericsson part number to use when ordering from Sony Ericsson.
- Comments Additional information that helps to specify or clarify the equipment.

3 Repair Equipment, Mechanical

Some of the required equipment will be provided by Sony Ericsson and some equipment has to be sourced locally. This chapter will separate these equipments.

3.1 Sony Ericsson Provided Repair Equipment









Description	Part Number	Comments	Upgrade	Flash	Manual Test	Repair
USB Service Card Reader	LZY 213 1191	Software Package/CD+USB Reader	X			
Service Card	LZY 213 595		X			
Sony Ericsson programming interface - SEPI	LTN 214 1484	USB/Interface Box + CD	X			
Sony Ericsson interface - SEPI	KRY 101 1119/1	USB Cable 3V/Accessories	X			
Torque Screwdriver *	NTZ 112 459	Torque set to 17 Ncm \pm 2%				X
Front opening tool	NTZ 112 302/2					X
Flex film assemble tool	NTZ 112 521					X
Dummy Battery	NTZ 112 542	Battery eliminator	Z			
RF Probe assembly	RPM 119 854/1				Z	
Camera removing tool	NTZ 112 579					X

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

The matrix describes where the actual equipment is needed, marked with an X, or may be needed/option, marked with a Z.

3.2 Pictures of Repair Equipment

Pictures of tools that is orderable from Sony Ericsson.

			
LZY 213 1191	LZY 213 595	NTZ 112 302/2	KRY 101 1115
			
LTN 214 1484	NTZ 112 459	NTZ 112 542	NTZ 112 521
			
RPM 119 854/1	NTZ 112 579		

3.3 Equipment Provided by Other Suppliers

This is the list of equipments provided by other suppliers than Sony Ericsson

		Flash Upgrade	Manual Test	Repair
Description	Comments			
Battery	Standard Battery BST-36	X	X	
Battery Charger	Standard SonyEricsson charger		X	
Computer	Minimum Pentium III 500 Mhz 128 Mb RAM or better. At least 2 USB ports	X		
USB-PC Cable	Type A-B Plug-Plug Cable	X		
Tweezers	ESD-safe			X
Torx Bits No. 5	Spare part to screwdriver. Any torx bits 5 that fits the screwdriver can be used.			X
Guitar pick				X
Dentist hook				X
Blunt pair of tweezers				X
Flat nose pliers				X
Small screwdriver				X
Isopropyl Alcohol	To be used when removing the glue			X
Cotton Gloves	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	To be used when removing phone label (if needed)			Z

		Flash Upgrade	Manual Test	Repair
Description	Comments			
IR-device	To be used to make connection between the phone and the device		X	
Hands free equipment.	To be used to verify the system connector. Applicable for Eva phone		X	
Operator SIM-card	To be used when making a landline call		X	

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

The matrix describes where the actual equipment is needed, marked with an X, or may be needed/option, marked with a Z

4 Revision History

Rev.	Date	Changes / Comments
A	2007-02-14	First release
B	2007-04-25	Sepi cable updated with new part number
C	2007-08-30	Camera removing tool added
4	2008-04-10	Torx bit updated