

# Equipment List, Mechanical

Applicable for J220 and J230

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# 1 General

This document describes the minimum required equipments for the Mechanical Repair Process of the Eva 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.

## 2 Repair Equipment, Mechanical






### 2.1 Sony Ericsson Provided Repair Equipment

			Flash Upgrade	Manual Test	Repair
Description	Part Number	Comments			
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	X		
Torque Screwdriver *	NTZ 112 459	Torque set to 11 Ncm $\pm$ 6%			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		

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

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

## 2.2 Pictures of Repair Equipment





			
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

## 2.3 Equipment Provided by Other Suppliers

		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
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	

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

## 2.4 Pictures of Equipment Provided by Other Suppliers

			
Dentist hook	Blunt pair of tweezers	Flat nose pliers	Type A-B Plug-Plug Cable

### 3 Revision History

Rev.	Date	Changes / Comments
A	2006-03-09	First Release.