

Equipment List, Mechanical

Applicable for K810 and K818

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1 General

This document describes the minimum required equipments for the Mechanical Repair Process of the K810/K818 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 | | | |
| DCU-60/USB Cable | KRY 101 1413 | Interface cable between PC and phone | X | | | |
| DCU-65/USB Cable | RPM 131 12 | Interface cable between PC and phone | X | | | |
| Torque Screwdriver * | NTZ 112 459 | Torque set to 7, 15 and 24 Ncm +/- 0,2 Ncm | | | | X |
| Bits | NTZ 112 1052 | Spare part to screwdriver | | | | X |
| Bits | NTZ 112 288 | Spare part to screwdriver | | | | X |
| Front opening tool | NTZ 112 302/2 | | | | | X |
| Flex film assembly tool | NTZ 112 521 | Tweezers for flexfilms | | | | X |
| Battery Eliminator | NTZ 112 533 | Dummy battery | Z | | | |
| VGA Camera Removal Tool | LSY 901 55 | VGA Camera removal tool – K810 Only | | | | 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 Picture of equipments orderable from Sony Ericsson

Pictures of tools that is orderable from Sony Ericsson.

| | | | |
|---|--|---|---|
|  |  |  |  |
| LZY 213 1191 | LZY 213 595 | KRY 101 1413 | NTZ 112 459 |
|  |  |  |  |
| NTZ 112 288 | NTZ 112 1052 | NTZ 112 302/2 | NTZ 112 521 |
|  | | | |
| NTZ 112 533 | | | |

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 | Model # - BST-33 • Purchase from local vendor | X | X | |
| -Battery Charger | Standard SonyEricsson charger applicable for K810i | | X | |
| Computer | Minimum Pentium III 500 Mhz 128 Mb RAM or better. At least 2USB ports | X | | |
| Tweezers | ESD-safe | | | X |
| Dentist hook | To be used when removing the adhesives. | | | X |
| Plectrum | To be used when removing the front and antenna cover | | | X |
| Isopropyl Alcohol | To be used when removing 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 | |
| Bluetooth-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 K810i | | X | |
| Operator SIM-card | To be used when making a landline call. | | X | |
| Barcode Scanner | The device must be able to decode code128 and 128C | | | Z |

| | | Flash Upgrade | Manual Test | Repair |
|---------------------------|--|---------------|-------------|--------|
| Description | Comments | | | |
| Ionized Air Gun or blower | neutralizes the static, therefore allowing dust and fine particles to be easily blown off. | | | Z |
| Power supply | NOTE: Only necessary if using the Battery Eliminator. | Z | | |
| Power cables Red & Black | Minimum cross sectional area of conductor: 1.2 mm ² Maximum length: 1.5 m | Z | | |

*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 | 2007-04-20 | Initial release | |
| B | 2007-05-10 | Added a comment in Chapter 1 General | |
| C | 2007-05-21 | Added a comment in Chapter 2 | |
| D | 2007-06-19 | Added support for K818 | |
| E | 2007-09-17 | Added DCU-65/USB Cable | RP |