

Installation Instruction, Electrical

Applicable for Z300

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1 Abstract

The Electrical Installation Instructions describes the procedures for installing all of the hardware and software needed to perform testing, software loading and repair activities at an Electrical level for the Sony Ericsson products specified.

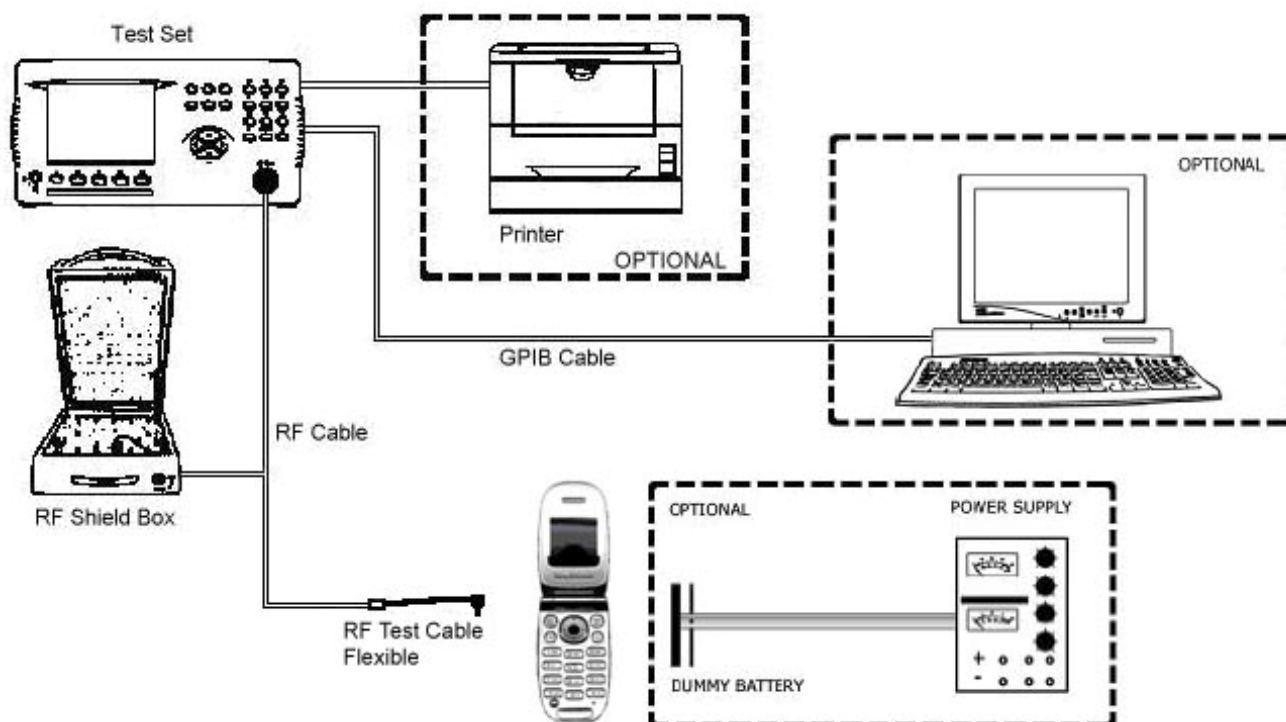
NOTE! This product is manufactured with lead-free solder and lead-free components. During electrical repair, it is critical to make sure that no lead is introduced into the product. For this reason, certain repair materials and equipment must be designated as lead-free and labeled accordingly. A lead-free work area must be setup that is completely separated from work areas that are used to make leaded repairs. Certain items must be designated for lead-free work only. Some of the items that need to be clearly labeled in this way are listed in the Equipment List Electrical. Note that any item that contacts the solder must be labeled and used for lead-free work only.

2 Go/No Go Testing

There are two options for performing a Go No/Go test. One is to use an RF Test Cable and the other is to use an antenna coupler together with a shielding box.

2.1 Test Set-up Go/No Go test

All test hardware necessary for this test set up is documented in the Electrical Equipment List.



Note: The equipment in the picture is specified in the Equipment and Instrument List.

2.1.1 Test Set

An E-GSM 850/900/GSM 1800/GSM 1900 Test Set approved according to the Electrical Equipment List must be used.

It should be installed according to the Instrument Manufacturer Instructions.

2.1.2 RF Connections Antenna Coupler

Connect the RF Cable between the RF-port of the Test set and the RF Shield box. The Antenna Coupler should be installed into the RF Shield Box according to the supplied instructions.

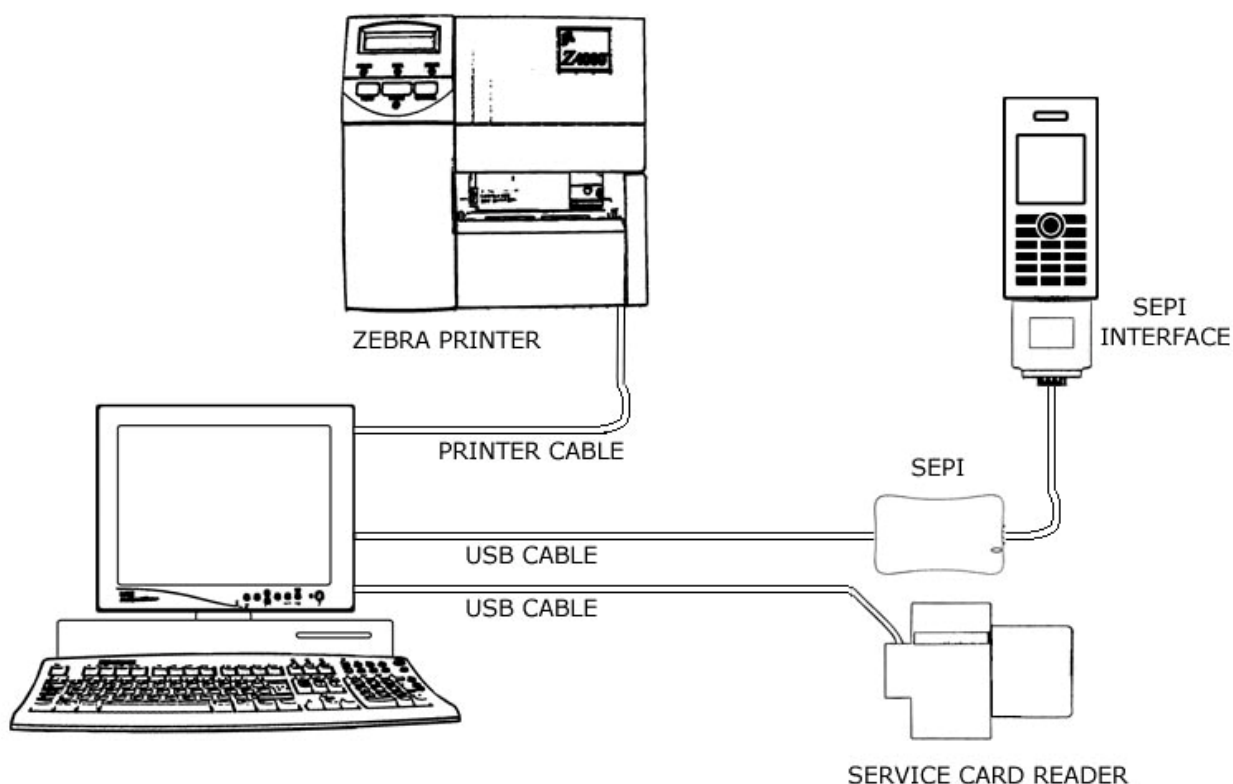
2.1.3 RF Connections Antenna Test Cable (Flexible)

Connect the RF-cable between the RF-port of the Test set and the RF Test Cable. Assemble the RF Test Cable to the external antenna on the mobile phone (located under the battery cover).

3 General Equipment

3.1 Test Set-up

General Test set up to perform SW loading and manual test according to Test Instruction. All necessary hardware for this test set up is documented in the Electrical Equipment list.

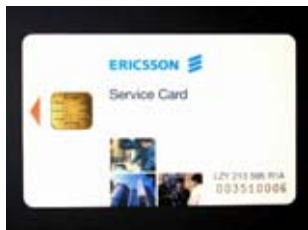


3.2 Computer

IBM compatible computer is required. The computer should include at least two USB-ports. To run all applications on one computer the minimum system requirement is to run Windows XP. Emma III and LabelMake requirements are Windows 98 and forward.

3.3 Service Card /Service Card Reader

The Service Card Reader is delivered with the necessary software and instructions for installation. The Service Card Reader should be connected to an USB-port on the computer.



Service Card



Service Card Reader

3.4 Sony Ericsson Programming Interface – SEPI

The USB programming interface is delivered with the necessary software and instruction for installation. The USB programming interface should be connected to an USB-port on the computer.



3.5 Sony Ericsson Programming Interface Cable – SEPI

The cable is the interface between the USB programming interface and the phone.



3.6 USB PC cable

The A-B Plug-Plug cable is the interface between the computer and the USB interface. Connect the cable between the USB programming interface and the computer.



3.7 Label Printer (Optional)

A Zebra printer model 90xi, 90xiII or 4000 deluxe shall be used. Connect the printer with a standard RS 232 serial printer cable [refer to the Zebra printer manual] to the serial port on the computer. Read the Zebra installation manual for more information about the installation.

4 Software

4.1 EMMA III

EMMA III contains all software required to service the product. Installation and user manuals are available in the EMMA III start page.

<http://ma3.extranet.sonyericsson.com/ma3/>

4.2 Labelmake II Software (Optional)

LabelMake II is an application installed through Java Web Start.

Access the Labelmake software from [CSPN](#) Web page. You will find LabelMake II in the dropdown menu on the CSPN web page.

<http://cspn.extranet.sonyericsson.com>

Press “START LabelMake II “button and you will be directed to the LABELMAKE II client page.

Product labels are downloaded on-line from a remote server database.

4.3 Go/No-Go Test Script

An approved Sony Ericsson Test Script must be installed in the Test Instrument. The Test Script is located on CSPN under **Repair Instructions / Standard**.

Install the Test Script according to the Instrument Manufacturer’s Instructions.

4.4 SERP Go/No Go Test Script

SERP stands for “Sony Ericsson Repair Platform”. It is an application used for testing, calibrating and repairing Sony Ericsson mobile phones.

1. Download the latest revision of the SERP application from CSPN (**Repair Instructions/Standard/SERP Install Package**) or through the use of the SERP Online Update Tool (OUT).
2. Unzip the file and open the file “SERP_Installation.doc” for installation instructions.
3. After SERP is installed a file titled “SERPINFO.htm” will be placed on the Windows Desktop. This file contains numerous documents including:
 - SERP Users Manual – This document contains system requirements, release notes, fault reporting instructions, supported test instruments, installation procedures and detailed operating instructions.
 - SERP Troubleshooting Guide – This document contains a few troubleshooting steps that should be reviewed before reporting issues to Sony Ericsson.
 - SERP Trouble Report Form – This form should be filled out when reporting SERP issues to the regional support team.
 - SERP OUT Quick Guide – This document contains system requirements, registration information and general user guidelines for the OUT application.

5 Revision History

Rev.	Date	Changes / Comments
A	2005-12-12	First Release
B	2005-12-15	Due to system problem. No changes in content