

# Installation Instruction - Electrical

Applicable for J100a, J100c and J100i

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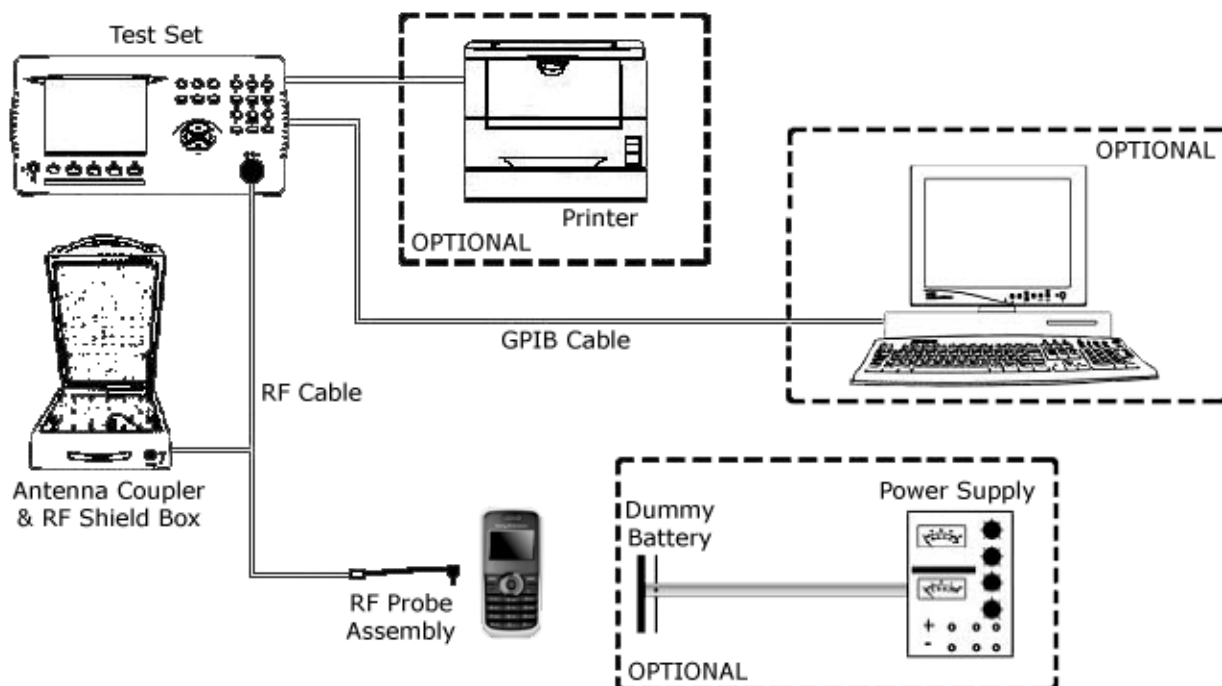
# 1 General

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

## 2 Go/No-Go Testing

### 2.1 Test Set-up

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



### 2.2 Hardware

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

#### 2.2.1 Test Set

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

It should be installed according to the Instrument Manufacturer Instructions.

### 2.2.2 RF Cable

Connect the RF Cable's N-type connector to the RF port of the Test Instrument.

**NOTE!** RF Cable must be approved by Sony Ericsson. See Equipment List Electrical.

### 2.2.3 RF Probe Assembly

1. Connect RF Probe to RF Cable.
2. Connect the RF probe to the phone according to the Test Instruction, Electrical.

### 2.2.4 Antenna Coupler & RF Shield Box

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 manufacturer instructions.

### 2.2.5 Computer (Optional)

IBM compatible computer is required. The computer should include at least two USB-ports.

**NOTE!** The Computer is used for SERP Go/No-Go.

### 2.2.6 GPIB card and cable (Optional)

GPIB card and cable are used for testing J100 with SERP.

Use GPIB card and cable according to the Equipment List. Use the GPIB cable to connect the GPIB card to the test instrument.

### 2.2.7 Power Supply

Power Supply according to Instrument List must be used.

### 2.2.8 Battery eliminator

Battery eliminator is to be used together with a power supply to power the phone during the test. Connect the cables from the battery eliminator to the power supply, red cable to positive output terminal and black cable to negative output terminal.

## **2.3 Software**

### **2.3.1 Go/No-Go Scripts**

Download the latest radio script file from [CSPN / Repair Instructions / Standard](#).  
Install the script file according to the Instrument Manufacturer Instructions.

### **2.3.2 SERP (optional)**

SERP (Sony Ericsson Repair Platform) is a PC application for testing mobile phones.  
Go/No-Go scripts for Sony Ericsson mobile phones are included in the package.

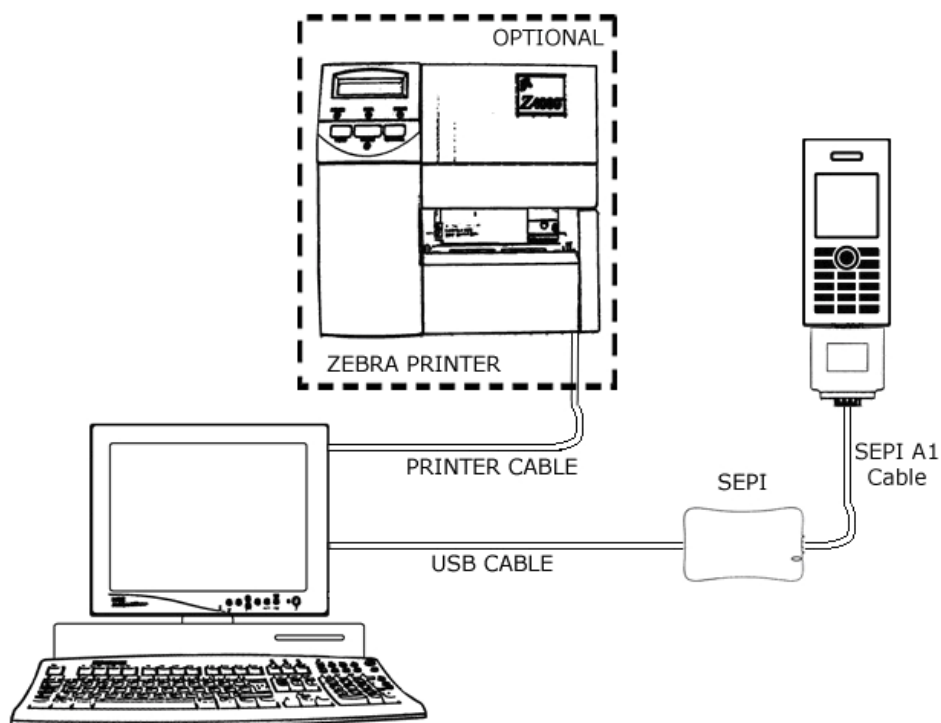
Download the latest revision of SERP application from CSPN. This application is located under [CSPN / Repair Instructions / Standard](#)/SERP Install package

Unzip the file and open the Installation instructions.  
Follow the Install instructions to install SERP.

## 3 Software Update

### 3.1 Test Set-up Software Update

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



### 3.2 Hardware

#### 3.2.1 Computer

IBM compatible computer is required. Refer to Equipment List for minimum requirements.

#### 3.2.2 Sony Ericsson Programming Interface – SEPI

The SEPI is used for flash upgrade of the J100. See Test Instruction, Electrical for more information.

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

### 3.2.3 Sony Ericsson Programming Interface A1 Cable

The cable is the interface between the SEPI box and the phone.

**NOTE!** The old SEPI A1 Cable (KRH 101 1119) is also valid. For this, a standard Sony Ericsson Mobile Communication charger, CST-60 must be connected to the SEPI.

### 3.2.4 Label Printer (optional)

A Zebra printer model 90xi, 90xill 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.

## 3.3 Software

### 3.3.1 DM Tool

TBD

### 3.3.2 Labelmake II software (optional)

LabelMake II is an application installed through Java Web Start.

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 Revision History

Rev.	Date	Changes / Comments
A	2006-04-10	First Release