



Installation Instruction, Mechanical

Applicable for Z780i,Z780a,TM506

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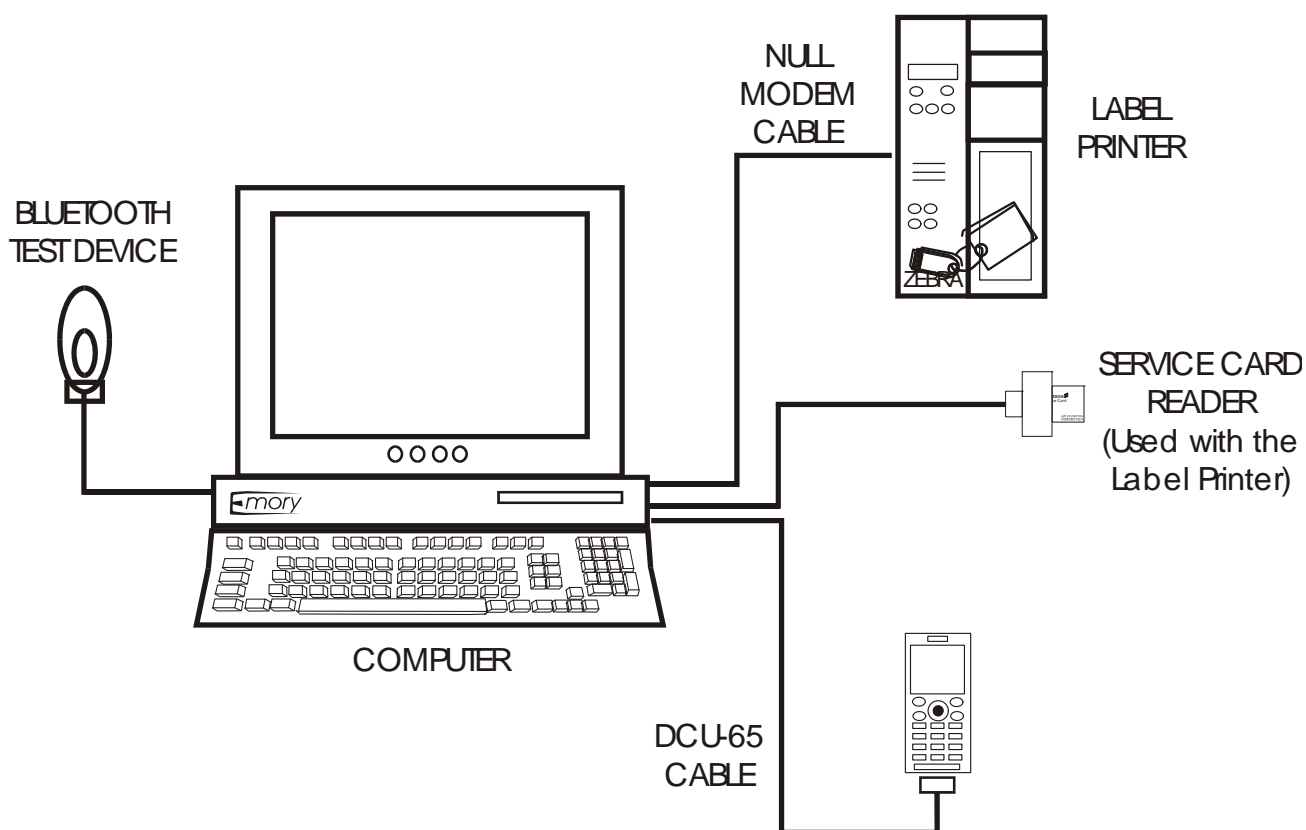
1 General

This document describes the installation procedure for the Mechanical repair package.

2 Hardware

All hardware necessary for this product's setup is documented in the Mechanical Equipment List.

2.1 Setup



2.2 Computer

An IBM compatible computer (34) is required. The computer should include at least three USB-ports. Refer to the Equipment List for minimum computer requirements.

2.3 Sony Ericsson programming interface – DCU-65

The cable is the interface between Computer and the phone. The DCU- 65 cable should be connected to a USB-port on the computer.

2.4 Smart Card Reader/Service Card

NOTE! The Smart Card Reader/Service Card is only needed for Labelmakell.

Smart Card Reader (7)



Service Card (8)



The Smart Card Reader comes with the necessary software and instructions for installation.

1. Connect the Smart Card Reader (7) to one of the USB ports on the computer (34).
2. Install Service Card (8) into the Smart Card Reader (7).

2.5 USB Activation Dongle

A USB Activation Dongle is required for activation in EMMA. Refer to the EMMA Homepage available from CSPN, for installation instructions.

2.6 Bluetooth Device

Any Bluetooth device (POS-45) such as a headset or Bluetooth phone can be used to verify the Bluetooth function in the phone. Set up the connection according to the chosen equipment's manufacturer's instructions.

2.7 Label Printer

A Zebra printer (41) should be set up to print labels. Connect the printer with a Null Modem (42) cable to the serial port on the computer (34). Read the Zebra installation manual for more information about the installation.

Refer to Equipment list for support Zebra printers.

2.8 Power Supply and Jumper Cables (optional)

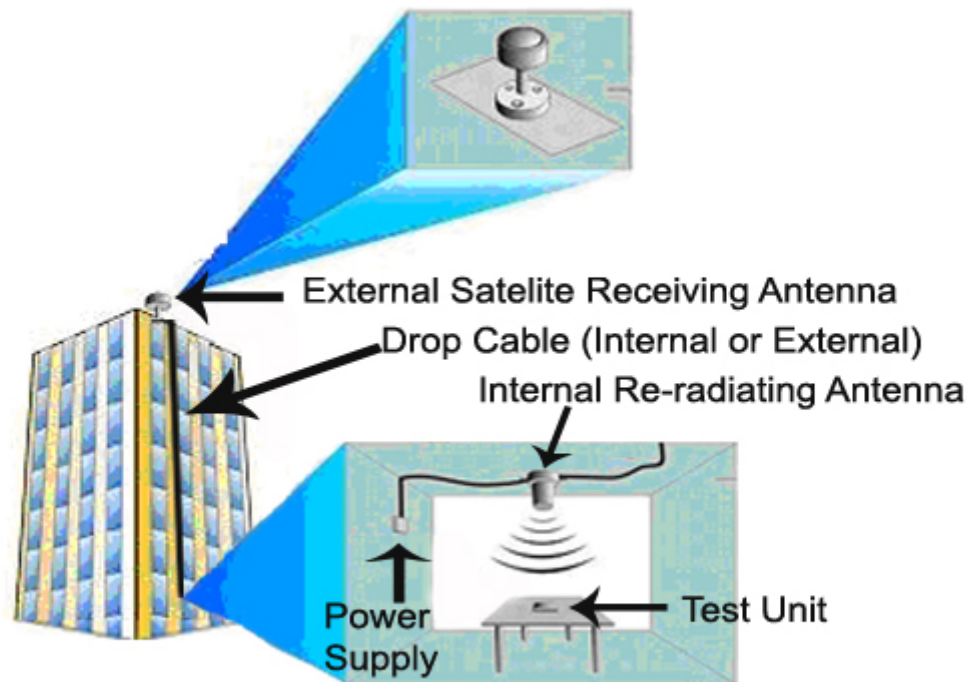
1. Install the power supply according to the manufacturer's instructions.
2. Connect the jumper cables to the power supply's output terminals. Red to the positive output terminal and black to the negative output terminal.
3. Connect the banana plugs of the red and black jumper cables to the battery eliminator's red and black connectors.
4. Set the output of the Power Supply as follows:
 - Voltage: 3.8Vdc
 - Current: 2.0 Amp

• 2.9 GPS Testing

After installing the equipment per manufacturer's instructions, the repair centre will need to use a satellite signal meter to measure the signal strength being radiated from the antenna. The signal strength should be between -140dBm and -130dBm.

• 2.9.1 Re-radiating GPS System

Following manufacturer's instructions, install the system on and in the facility as indicated by the drawing below.



- **2.9.2 Satellite Signal Simulator System**

Following manufacturer's instructions, install the system as indicated by the photo below.



Connect the passive antenna to the rear output.



3 Software

3.1 EMMA

EMMA contains software upgrades and tools that are required for servicing this phone. Installation and user manuals are accessible through CSPN web page.

1. Log onto CSPN. (<https://cspn.extranet.sonyericsson.com>)
2. Select "EMMA" from the drop down menu.
3. Select "GO TO EMMA HOME PAGE".
4. Select "Installation Guide" under Documentation and follow the directions for installation.

3.2 Labelmake II software

The LabelMake II software is an application that allows new labels to be printed with a Zebra printer.

1. Log onto CSPN. (<https://cspn.extranet.sonyericsson.com>.)
2. Select "LabelMake II" from the drop down menu.
3. Press "START LabelMake II" button and you will be directed to the LABELMAKE II client page.
4. Select "Launch Labelmake II client" and follow the installation instructions.

4 Revision History

Rev.	Date	Changes / Comments
1	2008-06-2	First Release
2	2008-06-2	No changes
3	2008-11-14	Add chapter2.9 GPS testing