

**Programs After Market Services (PAMS)**

**Technical Documentation**

***SERVICE  
MANUAL***

**[NMP Part No.0275397 + Update 0275408 +Update 0275430]**

**NSC-1 SERIES  
CELLULAR  
PHONE**

**NOKIA**

NSC-1 Issue 3 11/99

## AMENDMENT RECORD SHEET

Amendment Number	Date	Inserted By	Comments
	<b>10/98</b>		Original
<b>Issue 2</b>	<b>03/99</b>	OJuntunen	Introduction: 3 leaves
<b>Issue 2</b>	<b>03/99</b>	OJuntunen	SERVICE TOOLS SECTION Dummy Battery BTD3 added amendment sheet updated repaginated
<b>Issue 3</b>	<b>11/99</b>	J Watson	Introduction: 3 leaves
<b>Issue 3</b>	<b>11/99</b>	J Watson	Section 02: ACP-8 data added. repaginated
<b>Issue 3</b>	<b>11/99</b>	J Watson	Section 03: US4RSM v.6.0 parts lists added. repaginated
<b>Issue 3</b>	<b>11/99</b>	J Watson	Section 04: UE4S v.5.0 parts lists added. repaginated
<b>Issue 3</b>	<b>11/99</b>	J Watson	Service Software Instructions: Wintesla v.5.30 replaced by v.6.03. repaginated
<b>Issue 3</b>	<b>11/99</b>	J Watson	Tuning Instructions: POS Flash concept added. Tuning target tolerance & testing limits ammended. Settings for spectrum analyzer added within 5. TX Power... repaginated

<b>Issue 3</b>	<b>11/99</b>	J Watson	Service Tools: Modular Service Cable XMS-3 added. Dongle /Flash Device FLS-2D added. SCH 5A Service Cable added. XRC-2 External Antenna Cable added. repaginated
<b>Issue 3</b>	<b>11/99</b>	J Watson	Troubleshooting: Troubleshooting revised. repaginated
<b>Issue 3</b>	<b>11/99</b>	J Watson	Non-serviceable accessories: ACP-8 added. XRC-2 External Antenna cable added. DLR-3 RS232 Adapter cable added. HDC-9P headset added. Repaginated

## **NSC-1 SERIES CELLULAR PHONES SERVICE MANUAL – OVERALL CONTENTS**

### **Service Manual comprising**

<b>Chapter 1:</b>	<b>Foreword</b>
<b>Chapter 2:</b>	<b>General Information</b>
<b>Chapter 3:</b>	<b>System Module US4RSM</b>
<b>Chapter 4:</b>	<b>UIF Module UE4S</b>
<b>Chapter 5:</b>	<b>Transceiver NSC-1 variants</b>
<b>Chapter 6:</b>	<b>Service Software Instructions</b>
<b>Chapter 7:</b>	<b>Tuning Instructions</b>
<b>Chapter 8:</b>	<b>Service Tools</b>
<b>Chapter 9:</b>	<b>Disassembly/Troubleshooting Instructions</b>
<b>Chapter 10:</b>	<b>Handsfree Unit HFU-2</b>
<b>Chapter 11:</b>	<b>Loopset LPS-1/2</b>
<b>Chapter 12:</b>	<b>Non-serviceable Accessories</b>
<b>Chapter 13:</b>	<b>CARK-64 Installation Guide</b>
<b>Chapter 14:</b>	<b>CARK-91 Installation Guide</b>

**IMPORTANT**

**This document is intended for use by qualified service personnel only.**

**Company Policy**

Our policy is of continuous development; details of all technical modifications will be included with service bulletins.

While every endeavour has been made to ensure the accuracy of this document, some errors may exist. If any errors are found by the reader, NOKIA MOBILE PHONES Ltd should be notified in writing.

Please state:

Title of the Document + Issue Number/Date of publication

Latest Amendment Number (if applicable)

Page(s) and/or Figure(s) in error

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## Warnings and Cautions

Please refer to the phone's user guide for instructions relating to operation, care and maintenance including important safety information. Note also the following:

### Warnings:

1. CARE MUST BE TAKEN ON INSTALLATION IN VEHICLES FITTED WITH ELECTRONIC ENGINE MANAGEMENT SYSTEMS AND ANTI-SKID BRAKING SYSTEMS. UNDER CERTAIN FAULT CONDITIONS, EMITTED RF ENERGY CAN AFFECT THEIR OPERATION. IF NECESSARY, CONSULT THE VEHICLE DEALER/MANUFACTURER TO DETERMINE THE IMMUNITY OF VEHICLE ELECTRONIC SYSTEMS TO RF ENERGY.
2. THE HANDPORTABLE TELEPHONE MUST NOT BE OPERATED IN AREAS LIKELY TO CONTAIN POTENTIALLY EXPLOSIVE ATMOSPHERES EG PETROL STATIONS (SERVICE STATIONS), BLASTING AREAS ETC.
3. OPERATION OF ANY RADIO TRANSMITTING EQUIPMENT, INCLUDING CELLULAR TELEPHONES, MAY INTERFERE WITH THE FUNCTIONALITY OF INADEQUATELY PROTECTED MEDICAL DEVICES. CONSULT A PHYSICIAN OR THE MANUFACTURER OF THE MEDICAL DEVICE IF YOU HAVE ANY QUESTIONS. OTHER ELECTRONIC EQUIPMENT MAY ALSO BE SUBJECT TO INTERFERENCE.

### Cautions:

1. Servicing and alignment must be undertaken by qualified personnel only.
2. Ensure all work is carried out at an anti-static workstation and that an anti-static wrist strap is worn.
3. Ensure solder, wire, or foreign matter does not enter the telephone as damage may result.
4. Use only approved components as specified in the parts list.
5. Ensure all components, modules screws and insulators are correctly re-fitted after servicing and alignment. Ensure all cables and wires are repositioned correctly.
6. All PC's used with NMP Service Software for this produce must be bios and operating system "Year 2000 Compliant"