

Programs After Market Services (PAMS)

Technical Documentation

SERVICE MANUAL

**NMP Part No.
Update 06/99
Update 01/2001**

**Issue 1: 0275342
Issue 2: 0275417
Issue 3: 0275493**

**NSK-3 SERIES
CELLULAR
PHONES**

NOKIA

NSK-3 Issue 3: 01/2001

AMENDMENT RECORD SHEET

Amendment Number	Date	Inserted By	Comments
Issue 1	05/98	J. Rantala	
Issue 2	06/99	O. Juntunen	Front section: Page 1, ARS and p.5 updated
			System Module: AR Sheet added. Updated TOC, parts lists and schematic diagrams of UR9F, UR9S. Repaginated.
			Troubleshooting: ARS added on p.2. P.18 and 20 diagrams updated.
			CARK-64 instruction: updated.
Issue 3	01/2001	J. Rantala	Foreword: Amendment sheet, warnings and TOC updated.
			General Information: Product list revised.
			System Module: Parts List and TOC updated.
			UI Module: Parts List, schematics layout 11-12 and TOC updated.
			Appendix 1: Exploded view numbering and parts list revised.
			Appendix 2: Exploded view numbering and parts list revised.
			Service Software Instructions: Screen shots and installation updated.
			Tuning Instructions: Equipment setups revised.
			Service Tools: FLA-7, FPS-4S, SCH-5A and AXD-1 information added.

			HFU-2 section and schematics removed.
			Non Serviceable Accessories: Battery information revised. HFU-2 information added.
			CARK-64: Page order revised.
			CARK-91: Automatic Motor Control section specified.

NSK-3 SERIES CELLULAR PHONES SERVICE MANUAL – OVERALL CONTENTS

NSK-3 Series Transceiver

Chapter 1:	Foreword
Chapter 2:	General Information
Chapter 3:	System Module
Chapter 4:	UIF Module
Appendix 1:	Transceiver NSK-3NX
Appendix 2:	Transceiver NSK-3NY

Service Software Instructions

Tuning Instructions

Service Tools

Disassembly/Troubleshooting Instructions

Non-serviceable Accessories

Installation Instructions CARK-64

Installation Instructions CARK-91

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.
4. CLASS 1 LASER PRODUCT. See IEC60825-1 specification: 825-1; 5: Labelling, 5.1: General, 5.2: Class 1

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 product must be bios and operating system "Year 2000 Compliant".