

After Sales Technical Documentation

SERVICE MANUAL

[NMP Part No.0275188]

RAE/RAK-1 SERIES CELLULAR PHONE/ PERSONAL DIGITAL ASSISTANT



Original 05/97

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AMENDMENT RECORD SHEET

Amendment Number	Date	Inserted By	Comments
0275188	08/96	RW	Original
	05/97	RW	Update

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Warnings and Cautions

This manual is intended for use by qualified service personnel only.

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:

- **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.**
- **THE HANDPORTABLE TELEPHONE MUST NOT BE OPERATED IN AREAS LIKELY TO CONTAIN POTENTIALLY EXPLOSIVE ATMOSPHERES EG PETROL STATIONS (SERVICE STATIONS), BLASTING AREAS ETC.**
- **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:

- Servicing and alignment must be undertaken by qualified personnel only.
- Ensure all work is carried out at an anti-static workstation and that an anti-static wrist strap is worn.
- Ensure solder, wire, or foreign matter does not enter the telephone as damage may result.
- Use only approved components as specified in the parts list.
- Ensure all components, modules screws and insulators are correctly re-fitted after servicing and alignment. Ensure all cables and wires are repositioned correctly.

Company Policy

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

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IMPORTANT

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

Please send to:

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RAE/RAK-1 SERIES SERVICE MANUAL ORDER FORM

To the(Business Area)

Please indicate on the form below the booklets required for your Service Manual and the total number of manuals required.

Booklet	NMP Part Number
RAE/RAK-1 SERIES SERVICE MANUAL	0275188

Total number of Service Manuals required:.....

Against Purchase Order Number:.....

Name:

Position:

Signed:

Date:

Please return to:

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NMP Camberley
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RAE/RAK-1 SERIES SERVICE MANUAL OVERALL CONTENTS

Chapter 1. Overview of NOKIA 9000 communicator

Chapter 2. Baseband Module

Chapter 3. RF Modules

Chapter 4. UIF Modules

Chapter 5. SIM flex module

Chapter 6. PDA module

Chapter 7. Service Software

Chapter 8. Faultfinding / Disassembly

Chapter 9. Service Tools

Chapter 10. Schematics / Component Layouts

Appx. A Quick Guide

Appx. B Parts Lists,

Accessories Booklet

Desktop Charger

Handsfree Unit

Non-serviceable Accessories

Vehicle Installation Guide