# Programs After Market Services (PAMS) Technical Documentation

# SERVICE MANUAL

[NMP Part No.0275321 + 0275453]

# NME-2A SERIES CELLULAR PHONE



NME-2A issue 2: 05/00

## **AMENDMENT RECORD SHEET**

Amendment Number	Date	Inserted By	Comments
	08/97		Original
Issue 2	05/2000	OJuntune	Ch. 2 Technical Specification: ARS added P.6 DKH-5 name added TOC updated
Issue 2	05/2000	OJuntune	Ch. 4 System Module GM8 ARS added, TOC updated New layout for tables Parts list v.4.3 added repaginated 98 pp.
Issue 2	05/2000	OJuntune	Ch. Service Tools: ARS added P.6 DKH-5 name added TOC updated
Issue 2	05/2000	OJuntune	Ch. Tuning: ARS added Fig. p.7, p.8 updated

# NME-2A SERIES CELLULAR PHONE SERVICE MANUAL

#### **CONTENTS:**

Chapter 1: Foreword

**Chapter 2:** Technical Specifications

**Chapter 3:** Transceiver Overview

Chapter 4: System Module GM8

Chapter 5: Handset HSE-6XA

Chapter 6: External SIM Card Reader CAE-2

**Installation Instructions** 

Service Software User Guide

**Troubleshooting Guide** 

**Tuning Instuctions** 

Non-Serviceable Accessories

**Service Tools / Accessories** 

#### **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

Please send to: Nokia Mobile Phones Ltd

PAMS Technical Documentation

PO Box 86 24101 SALO Finland

# **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:

- 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:**

- 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".

This page intentionally left blank.