

# **Programmes After Market Services**

## **NHE–8/9 Series Transceivers**

# **Chapter 1**

# **Foreword**

## CHAPTER 1– FOREWORD

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# Introduction

## Service Manual Structure

The service manual is structured as follows:–

The 'core' service manual

- Chapter 1: Foreword
- Chapter 2: General Information
- Chapter 3: System Module
- Chapter 4: UIF Modules

The core section of the service manual describes those areas of the NHE-8/9 series handportable phone which are common to all variants. This includes performance specifications and detailed descriptions of each module including common pcb parts lists. (this may be part of an appendix if it is specific to a variant)

Appendices to the core manual

- Transceiver variants

The appendix sections of the service manual describes variants of the NHE-8/9 series handportable phone including an exploded view of the mechanics, any specific pcb parts lists.

Service Software – Users guide

Tuning Instructions – Setups fo tuning

Service Tools – Pictorial views of tools used.

Disassembly / Troubleshooting – Diagrams and faultfinding flow charts.

Non- serviceable Accessories – pictorial views only.

PHF-3 Service Booklet – Handsfree unit

Car Installation Guide – Procedures for vehicle installation

FPS-4 Flash Programmer user guide

**Note:** *In printed manuals all A3 drawings are located at the back of the binder.*

### **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.

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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.

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