

**Programs After Market Services (PAMS)  
Technical Documentation**

# ***SERVICE MANUAL***

**[NMP Part No. 0275208]**

## **NHE-6 SERIES CELLULAR PHONE**

**(FOR USE ON THE GSM NETWORK)**



NHE-6 Last update: 08/98

# Programs After Market Services (PAMS) Technical Documentation

## AMENDMENT RECORD SHEET

Amendment Number	Date	Inserted By	Comments
<b>Issue 2 part no. 0275387</b>	<b>08/98</b>	O Juntunen	<b>Frontsection, Ch.1</b> Layout changes, Accessory Overview removed
			<b>04 System Module</b> repaginated, spell checked
			<b>Appendix 1 and 3</b> New appx. no 1 replaces both
			<b>Accessory overview</b> Removed
			<b>Disassembly instructions</b> updated version
			<b>Troubleshooting instructions</b> Updated version
			<b>Tuning Instructions</b> New pages 1, 2, 5, 12
			<b>Service Software Instructions</b> Updated version

# Programs After Market Services (PAMS) Technical Documentation

## CHAPTER 1 – FOREWORD

### Introduction

### Service Manual Structure: Main Table of Contents

NHE-6 series Transceiver comprising

Chapter 1:	Foreword
Chapter 2:	Technical Abstract
Chapter 3:	Transceiver Overview
Chapter 4:	System Module GJ8
Chapter 5:	UIF Module GU8
Appendix 1:	Transceiver Variants

Other sections:

- Disassembly Instructions
- Troubleshooting Instructions
- Tuning Instructions
- Service Software Instructions
- Service Tools
- Non-serviceable Accessories
- Handsfree Unit PHF-3
- Installation Instructions

# Programs After Market Services (PAMS)

## Technical Documentation

This section of the service manual (the NHE-6 series Transceiver booklet) describes those areas of the NHE-6 series handportable telephone which are common to all variants. This booklet includes technical information; a technical overview of the transceiver plus detailed descriptions of the main modules and associated parts lists.

**The Service Manual 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

- 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, BLASTING AREAS ETC. PERMISSION MUST BE OBTAINED TO USE THE PHONE IN AIRCRAFT.
- 3 OPERATION OF ANY RADIO TRANSMITTING EQUIPMENT, INCLUDING CELLULAR TELEPHONES, MAY INTERFERE WITH THE FUNCTIONALITY OF INADEQUATELY PROTECTED MEDICAL DEVICES. 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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