

PAMS Technical Documentation

NSD-1 Series Transceivers

CARK-64

Installation Guide

Introduction

This installation guide has been prepared to provide the basic information necessary to install this car kit. This guide is not intended to be definitive, because different types and models of vehicles will require different installation work. The information given is for general guidance only.

The terms of warranty demand that this car kit be installed by an experienced installer and only genuine Nokia parts are used. An end user should never attempt to install this car kit without professional assistance as the installation requires special tools and knowledge.

Please refer to the telephone's User's Guide for instructions on the telephone's operation, care and maintenance, including important safety information.

Note: Read the warnings below before beginning the installation procedure.

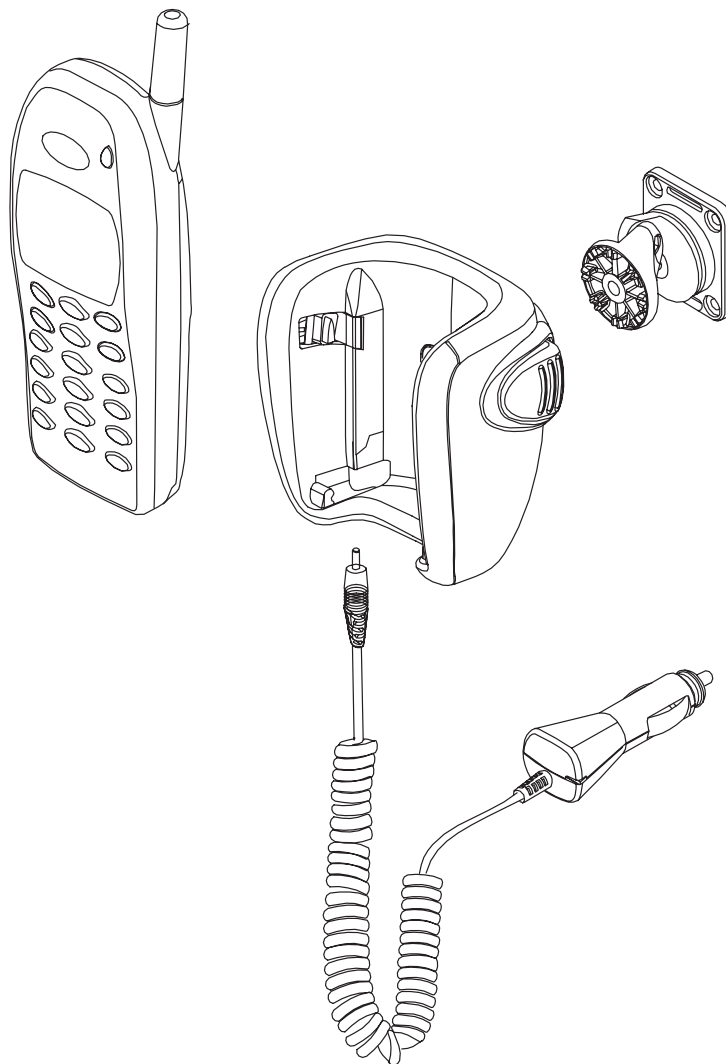
WARNINGS

1. **ENSURE THAT THE VEHICLE'S BATTERY IS DISCONNECTED BEFORE YOU START THE INSTALLATION PROCEDURE, AND THAT IT REMAINS DISCONNECTED DURING THE PROCEDURE.**
2. **DO NOT SMOKE OR USE OPEN FLAMES WHEN WORKING NEAR THE VEHICLE'S FUEL SYSTEM.**
3. **ENSURE THAT THE VEHICLE'S ELECTRICAL CABLES, HYDRAULIC LINES, FUEL LINES, AND SAFETY EQUIPMENT ARE NOT DAMAGED DURING INSTALLATION.**
4. **ENSURE THAT NORMAL CONTROL AND OPERATION OF THE VEHICLE IS NOT IMPAIRED BY THE INSTALLATION, PARTICULARLY THE BRAKES AND STEERING. ENSURE THAT AIRBAG OPERATION IS NOT OBSTRUCTED.**
5. **ELECTRONIC AND OTHER SOPHISTICATED SYSTEMS (e.g. SPEED CONTROL, ABS ANTI-LOCK BRAKE, FUEL INJECTION-, NAVIGATION-, AND AIR-BAG SYSTEMS) ARE RELATIVELY IMMUNE TO MALFUNCTION CAUSED BY NEARBY RADIO TRANSMISSIONS. HOWEVER, SHOULD YOU EXPERIENCE FALSE OPERATION OF THESE SYSTEMS OR ARE IN ANY DOUBT WHATSOEVER AS TO THEIR FUNCTIONALITY, PLEASE CONSULT THE VEHICLE'S DEALER.**
6. **THE CAR KIT IS SUITABLE FOR USE ONLY IN VEHICLES WITH A 11..32 V NEGATIVE GROUNDING. USE ON OTHER SUPPLY VOLTAGES OR ALTERNATIVE POLARITY WILL DAMAGE THE EQUIPMENT.**
7. **THE PHONE SHOULD NOT BE LEFT SWITCHED ON FOR EXTENDED PERIODS WITHOUT RUNNING THE VEHICLE'S ENGINE. FAILURE TO COMPLY COULD DRAIN THE VEHICLE'S BATTERY.**

Unpacking

Carefully unpack the equipment and ensure that the following items are present.

Phone Holder	MBC-1
Swivel Mount	HHS-9
Mobile Charger	LCH-9



Component Parts

Phone Holder MBC-1

The holder allows the phone to be firmly located in a convenient position. The holder is attached to the vehicle's interior using the swivel mount HHS-9, or the mounting plate MKU-1. The mounting must be secured with a screw (included with HHS-9). The screw recess can then be covered with the NOKIA logo plate.

Mounting Plate MKU-1 and Swivel Mount HHS-9

MKU-1 is a fixed position mounting plate; HHS-9 is a swivel mount which allows for adjustable fixing. The two mounting plates are interchangeable.

Mobile Charger LCH-9

The mobile charger enables the phone to be charged via the vehicle's cigarette lighter socket. The charger connects to the phone via a d.c. jack socket located on the base of phone. The supply voltage may vary between 11 and 32 V.

Installation and Testing

There are some important aspects that require special attention when positioning the phone holder.

The positioning of the phone holder is the most important factor when trying to achieve the most comfortable position for the user. The location of the holder should be selected so that the visibility of the phone's display is good under all lighting conditions, but not so that the driver's attention is easily distracted. The phone holder can be installed so that only one of the release buttons is visible, as only one of the buttons needs to be pressed to release the phone. The holder should be located so that the driver can easily reach the keypad. Under no circumstances should the holder prevent the driver from controlling or operating the vehicle in any way or observing traffic.

Once installed, the equipment should be tested to ensure that it is operating satisfactorily and that the position of the unit does not impair the driver's ability to control and operate the vehicle in any way.

Use the phone to make a call when the vehicle is parked with the engine running. During the call, switch off the engine. Ensure that the phone is operational both with the engine running, and with the engine switched off.

For operating information refer to the User's Guide supplied with the phone.