PAMS Technical Documentation
NSE–8/9 Series Transceivers

Service Tools

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Service Interface Cable TDS–7
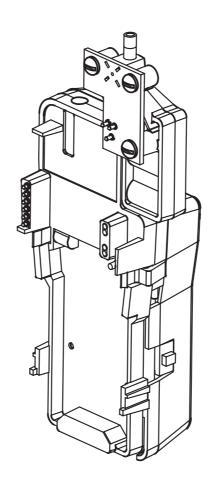
The Service interface cable is used to flash and tune the phone without disassembling it.

Product Code

Service Interface Cable TDS–7:   07750160

View of TDS–7

Note: The nominal supply voltage forTDS–7 is 9–15VDC

Module Jig MJS–13
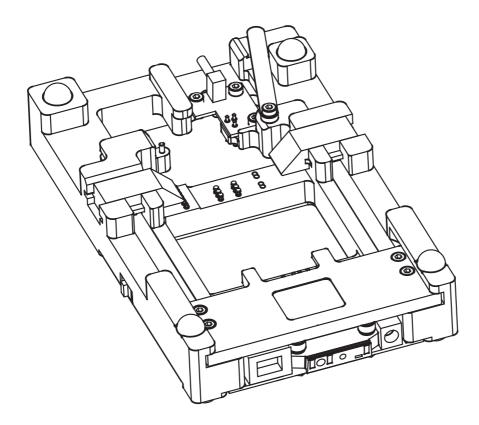
The Module Jig MJS–13 is used for component level repair of the system module.

Product Code

Module Jig MJS–13:   0770158

View of MJS–13

Note: *The nominal supply voltagerange for MJS–13 is 9–15 V.*

Flash Loading Adapter FLA–5 (Sales Pack)

The Flash Loading Adapter FLA–5 is used with the Service Battery BBD–3 and Service Cable SCH–5. Power is supplied to FLA–5 from the Flash Security Box TDF–4 via the DC cable PCC–1B, (The PCC–1B cable can be replaced with a Travel Charger ACH–6), and is connected to the Flash Prommer FPS–4S with the cable AXS–5.
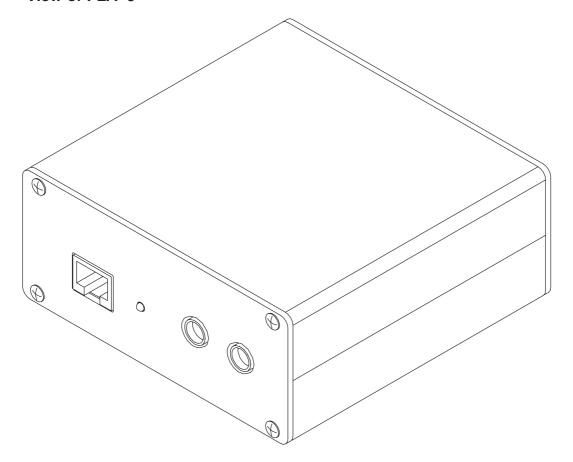
The sales pack includes:

– Flash Loader Adapter FLA–5   0770085
– Service cable SCH–5   0730098
– D15 – D15 Cable AXS–5   0730091
– Installation software for FPS–4   8400041

Product Code

Flash Loading Adapter FLA–5:   0770085

View of FLA–5

Flash Prommer FPS–4S (Sales Pack)

The Flash Prommer FPS–4S is used to update the main software of the phone. Updating is done by first loading the new MCU software from the PC to the flash prommer, and then loading the new SW from the prommer to the phone. When updating more than one phone in succession, the MCU software only needs to be loaded to the prommer once.
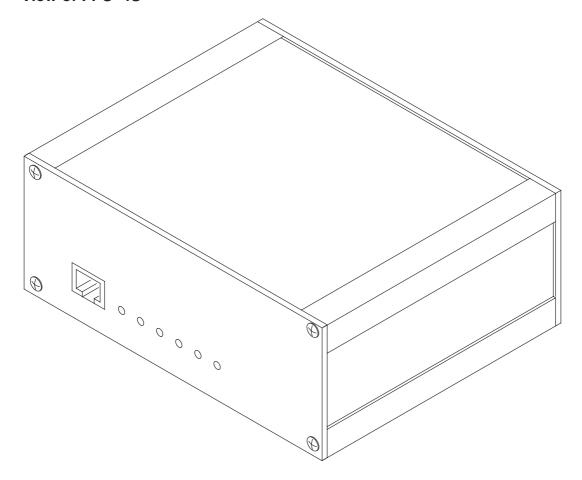
The sales pack includes:

– Charger ACL–3E   0680015
– Printer Cable   0730029
– D9 – D9 Cable AXS–4   0730090
– Installation software for FPS–4   8400041

Product Code

Flash Prommer FPS–4:   0750090

View of FPS–4S

Security Box TDF–4

The Security Box TDF–4 is required for updating MCU software, and infra red testing.

Note1:   TDF–4 is delivered in de–activated mode. Fill in the enclosed Activation Request Form, and fax to NMP Salo to get the activation code
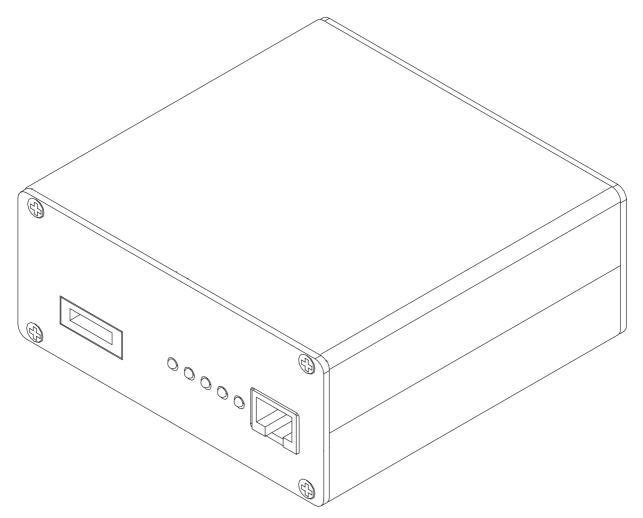
Note2:   The infra red module JLP–1 is not included in the TDF–4 sales package

Product Code

Security Box TDF–4:   0770106
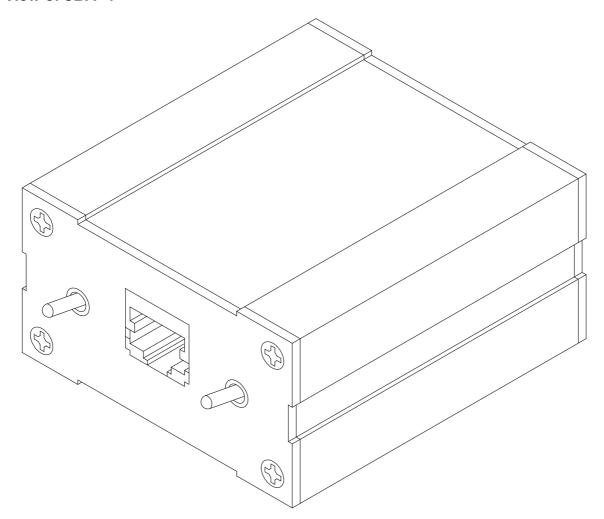
View of TDF–4

Service Audio Box JBA–4

The Service Audio Box JBA–4 is used between the module repair jig MJS–13 and audio test cables SCB–5 and ADS–1.

Product Code

Service Audio Box JBA–4:   0770094

View of JBA–4

Modular Cable XMS–3

The modular cable is used to connect the TDS–7 or MJS–13 to the FLA–5 (or 7) flash loading adapter. This enables flashing of the phone.
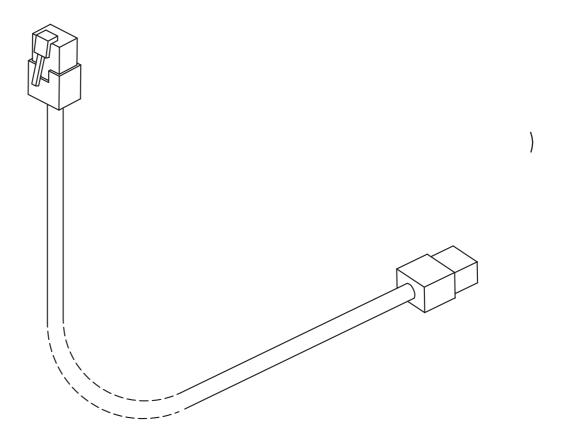
The XMS–3 is also used when flashing with the Point Of Sales (POS) device FLS–2.

Product Code

Modular Cable XMS–3:   0730174

View of XMS–3

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Warranty Transfer Tool SCW–1

The Warranty Transfer Tool is used to connect two phones and enables transfer of user data (picture messages,T9 user dictionary etc.) from one phone to another.

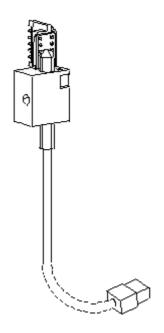Two tools are required to perform Warranty Transfer.

The tool is also used for the Point Of Sales (POS) flash device FLS–2.

Product Code

Warranty Transfer Tool SCW–1   0770161

View of SCW–1

Audio Cable ADS–1
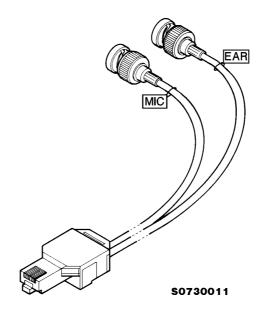
Audio cable is an adapter routing AF signals (MIC/EAR) from an 8 pin modular connector to two BNC connectors.

Product code

Audio Cable ADS–1:   0730011
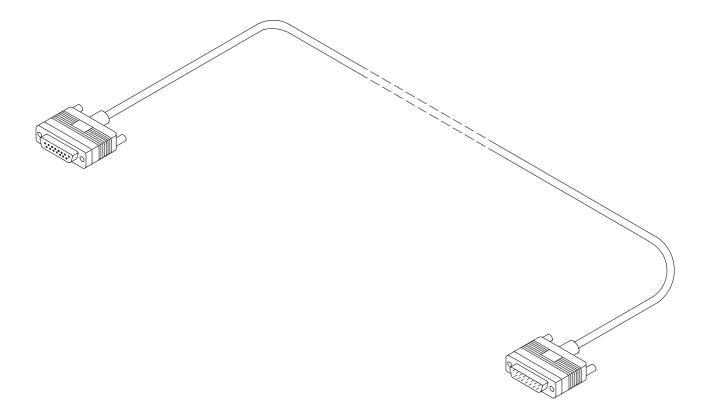
View of ADS–1

S0730011

D15–D15 Cable AXS–5

The D15–D15 Cable AXS–5 is used to connect two 15 pin D connectors.
e.g. between FLA–5 and FPS–4S.

Product Code

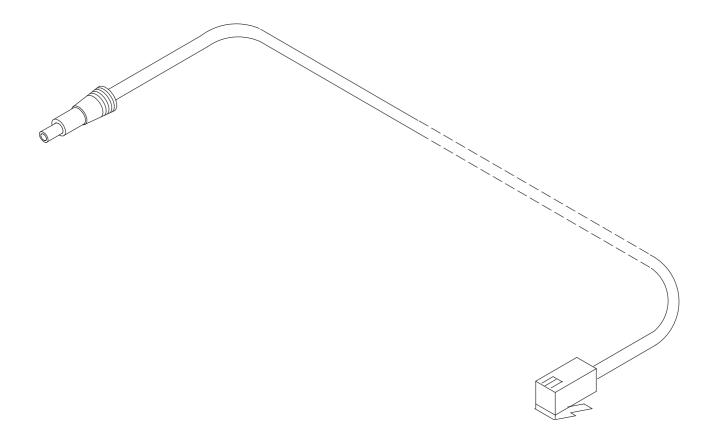D15–D15 Cable AXS–5:   0730091

View of AXS–5

DC Cable PCC–1B

The DC Cable PCC–1B is used e.g. to connect FLA–5 and TDF–4.

Product Code

DC Cable PCC–1B: 0770053

View of PCC–1

RF Coaxial Test Cable

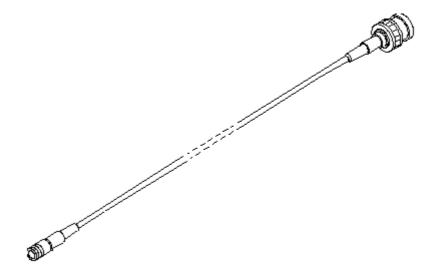The RF Coaxial cable is used to connect the transceiver to external measuring equipment during servicing.

Note: Typical attenuation at 900MHz is 0.9dB (with MJS–13 & TDS–7)

Typical attenuation at 1800MHz is 1.45dB (with MJS–13 & TDS–7)

Product Code

RF Coaxial Cable   4626009
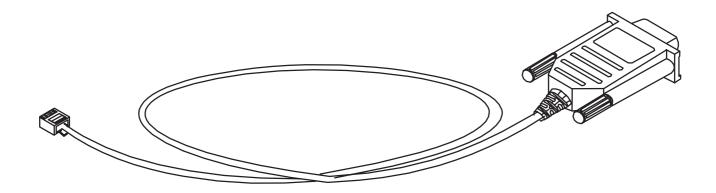
View of RF–Coax Test Cable

MBUS Cable DAU–9S

The MBUS Cable DAU–9S has a modular connector, and is used for data communication with the phone for connecting TDS–7 and MJS-13 to a PC.

MBUS Cable DAU–9S: 0730108

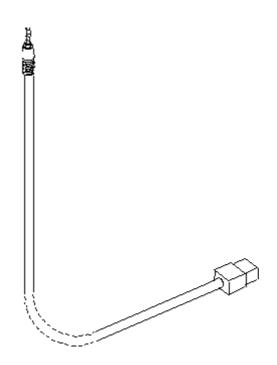**View of DAU–9S**

Audio Test Cable SCB–5

The Audio Test Cable is used to connect the phones headset to the
Service Audio Box JBA–4, supplying Mic/Ear signals to external test
devices.

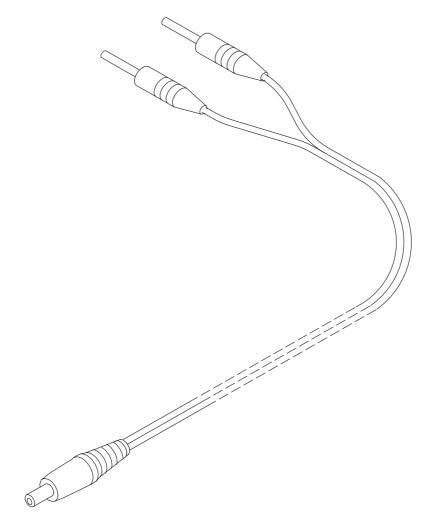MBUS SCB–5:   0775211

View of SCB–5

Power Cable PCS–1

The Power Cable PCS–1 is used to connect the module jigs MJS–13 and service interface TDS–7 to an external power supply.

Product Code

Power Cable PCS–1:   0730012

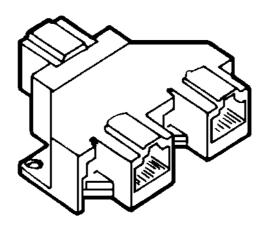### View of PCS–1

Modular T–adapter

The modular T–adapter is a suitable branching unit to provide the needed parallel modular connections.

Used for warranty transfer between two phones.

Product Code

Modular T–adapter: 4626134

View of Modular T–adapter

SW Security Device PKD−1

SW security device is a piece of hardware enabling the use of the service software when connected to the parallel (LPT) port of the PC. Whitout the dongle present it is not possible to use the service software. Printer or any such device can be connected to the PC through the dongle if needed.
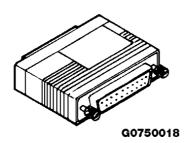
Caution: Make sure thet you have switched off the PC and the printer before making connections!

Caution: Do not connected the PKD−1 to the serial port. You may damage your PKD−1!

Product Code

SW Security Device PKD−1:   0750018

View of SW Security Device

G0750018

Dongle/Flash Device FLS–1 /2 (Sales Pack)

FLS–1/2 are dongle and flash devices incorporated into one package, developed specifically for POS use.

Product Code

FLS–1 Sales Pack –APAC	0081290
FLS–1 Sales Pack – Europe/Africa	0081291
FLS–2 Sales Pack –APAC/Europe /APAC	0081311

View of FLS–1 /2

Sales Pack Contents

Part No.	Description
0750130	FLS–1 Flash Device.
0730163	AXS–4U Cable.
0770177	Disk– Installation package,16bit Dongle Drivers.
0770176	Disk – Installation package, 32bit Dongle Drivers.
0774120	Disk – Installation package for the FLE–5 Drivers.
0774123	Disk – Remote Update Application Installation Package.
0275405	Installation and User Guide
0275404	Registration Request Form

The picture overleaf shows how to connect the FLS–1 and 2 devices and associated cables to the PC and Product/Phone.
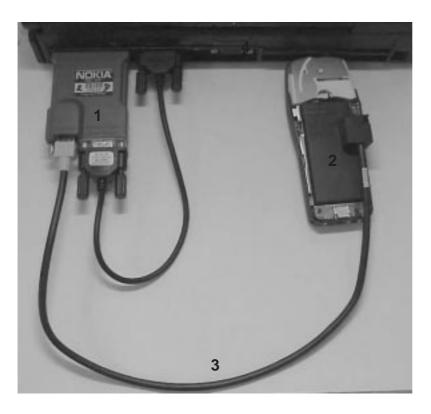
FLS–1 Connection Diagram with TDS–7

Note: TDS–7 required to flash with FLS–1

1. FLS–1 (connects to parallel port)

2 TDS–7

3 AXS–4U

4 PC with WinTesla Software

FLS–2 Connection Diagram with SCW–1

Note: With SCW–1, flashing requires just a phone with battery

1 FLS–2 connects to parallel port

2 SCW–1 Flash & Warranty transfer tool

3 AXS–4U

4 PC with WinTesla software

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