

Nokia Customer Care

4 - Service Tools

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List of Recommended Service Tools

■ New service tools for RA-2/3

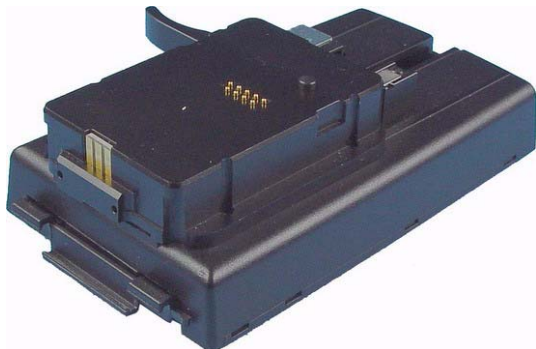
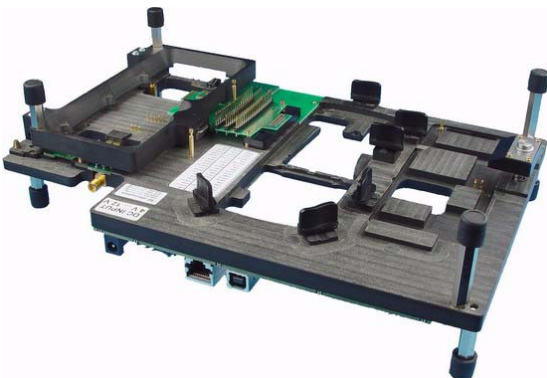
Type	Short description	Code
DA-14	Docking station adapter for JBV-1.	0780366
MJ-19	Module repair jig	0780372
MJS-76	LGA re-work jig	0770417
RJ-16	Soldering jig	0770417
RJ-71	Repair jig	0780486
RJ-72	Repair jig	0780488
RJ-73	Repair jig	0780490
SA-33	RF adapter	0770800
SA-49	RF coupler	0770866
SES-3	LGA rework stencil	0770558
ST-26	Repair stencil	0780487
ST-28	Repair stencil	0780489
ST-29	Repair stencil	0780491

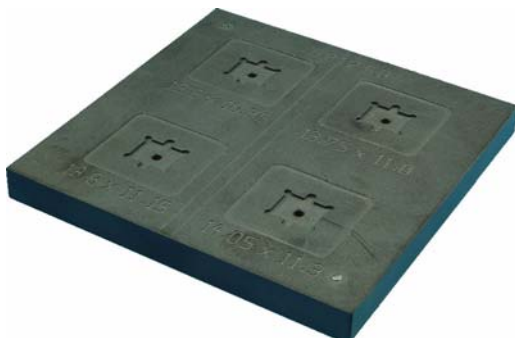
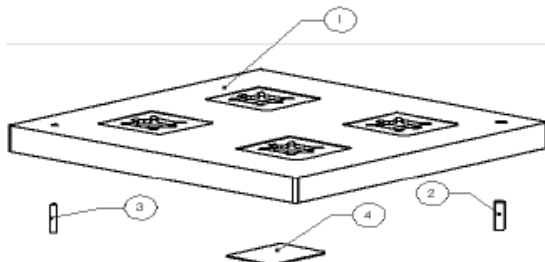


■ Re-used service tools

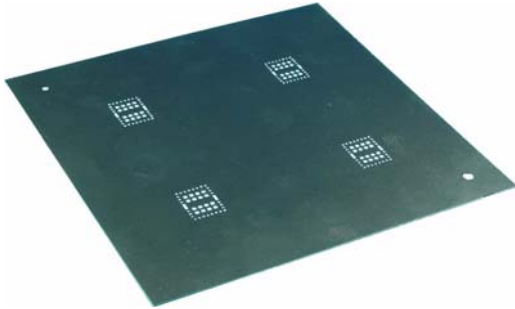
Type	Short Description	Code
ACF-8	Universal power supply	0680032
ACP-8E	Charger output: 5.3V DC, 500 mA; Europe. Version	0675195
ACP-8U	Charger output: 5.3V DC, 500 mA; US. Version	0675196
AXP-8	Parallel bi-directional printer cable (part of FPS-8 sales package)	0730298
AXS-4	Serial cable 9 pol. Sub-D (part of FPS-8 sales package)	0730090
CA-28DS	Service data cable, XCS-1 with USB lines connected	0730319
DAU-9S	Serial data cable 9 pole Sub-D f <=> 8 pole modular connector	0730108
DKU-2	Connectivity cable	0730238
FLC-2	Power supply cable, Banana connectors to 3,5 mm DC plug, 1,2 meters	0730185
FLS-4S	POS flash prommer for E&A incl. ACF-8 power supply	0080541
FLS-4S	POS flash prommer for for APAC incl. ACF-8 power supply	0080542

Type	Short Description	Code
FLS-4S	POS flash prommer for for US incl. ACF-8 power supply	0080543
FPS-8	Flash prommer to be used with SF-14 or JBV-1 plus product specific adapter. Sales pack includes: FPS-8 prommer, FPS-8 SW activation & installation instr., FPS-8 activation sheet, power supply ACF-8, AXS-4 service cable (2x 9 pol. Sub-D), AXP-8 Bi-directional	0080321
FPS-10	Flash prommer to be used with SF-14 or JBV-1 plus product specific adapter. Sales pack includes: FPS-10 prommer, FPS-8 SW activation & installation instr., FPS-10 activation sheet, power supply ACF-8, AXS-4 service cable (2x 9 pol. Sub-D), AXP-8 Bi-directional	0086189
FPS-11	Multiprommer	0770758
JBT-9	Bluetooth test & interface box	0081490
JBV-1	Flash/Test docking station with generic data&power interfaces	0770298
PCS-1	Power cable for FPS-8 with 2 x Banana connectors to 5,5 mm DC plug.	0730012
PKD-1	Software security dongle for service SW	0750018
CA-5S	DC cable	0730283
SF-14	POS flash adapter to be used with FLS-4S / FPS-8 flash adapter	0780368
SS-34	Flex opening tool	0780396
XCS-4	Modular cable for e.g. connection between FPS-8 and SF-14.	0730178
XRF-1	RF cable	0730085




New Service Tools for RA-2/3




Type/ Code	Description	Picture
DA-14 0780366	<p>The DA-14 docking station adapter makes signal connections to the phone. JBV-1 and DA-14 are used as one unit.</p> <p>JBV-1 main electric functions are:</p> <ul style="list-style-type: none"> - adjustable VBATT calibration voltage, current measurement limit voltage "VCHAR", current measurement calibration current "ICHAR". - adjustable ADC calibration voltage via BTEMP and BSI signal. - BTEMP and BSI calibration resistor. - Signals from FBUS to the phone via parallel jig - Control via FBUS or USB. - Flash OK/FAIL indication. 	
MJ-19 0780372	<p>Module jig MJ-19 is designed for module level testing. It can be used for testing at engine level for the following:</p> <ul style="list-style-type: none"> - flashing - RF - battery - system - display, - keyboard - USB - SIM/MMC reader 	

Type/ Code	Description	Picture																									
MJS-76 0770417	<p>This tool is used in LGA type component reworking purposes in central service centers.</p> <p>Parts list</p> <table><tr><th>Part number</th><th>Name of Part</th><th>Material code</th><th>Drawing number</th><th>Qty</th></tr><tr><td>1</td><td>Frame</td><td></td><td>SME5S910</td><td>1</td></tr><tr><td>2</td><td>Cylindrical pin 3x12</td><td>640b003</td><td></td><td>1</td></tr><tr><td>3</td><td>Cylindrical pin 3x12</td><td>640B012</td><td></td><td>1</td></tr><tr><td>4</td><td>Type label</td><td>9380601</td><td></td><td>1</td></tr></table>	Part number	Name of Part	Material code	Drawing number	Qty	1	Frame		SME5S910	1	2	Cylindrical pin 3x12	640b003		1	3	Cylindrical pin 3x12	640B012		1	4	Type label	9380601		1	 
Part number	Name of Part	Material code	Drawing number	Qty																							
1	Frame		SME5S910	1																							
2	Cylindrical pin 3x12	640b003		1																							
3	Cylindrical pin 3x12	640B012		1																							
4	Type label	9380601		1																							
RJ-16 0770417	RJ-16 soldering jig is used for soldering and as a rework jig for 1BT engine module.																										
SA-49 0770866	SA-49 is a coupler for RF testing. SA-49 is used with DA-14.																										




Type/ Code	Description	Picture
SES-3 0770558	SES-3 is a LGA rework stencil.	
ST-26 0780487	Repair stencil	Picture not available.
ST-28 0780489	Repair stencil	Picture not available.
ST-29 0780491	Repair stencil	Picture not available.
RJ-71 0780486	Repair jig	Picture not available.
RJ-72 0780488	Repair jig	Picture not available.
RJ-73 0780490	Repair jig	Picture not available.




Re-used Service Tools




Type/ Code	Description	Picture
JBV-1 0770298	<p>The JBV-1 docking station has been designed for calibration and software update use.</p> <p>In calibration mode, JBV-1 is powered by an external power supply 11-16V DC. In flashing mode, power for the phone can be taken from FPS-8 or external power supply 11-16V DC.</p>	
SF-14 0780368	<p>SF-14 POS flash adapter is used in POS (Point of Sales) environment for software updates. It provides controlled supply voltage and necessary connections between the phone and the flash prommer. It substitutes for the phone's standard battery during the software update.</p> <p>Voltage limits 3.6 - 4.2V.</p>	
FPS-8 0080321	<p>The flash prommer FPS-8 is used, for example, with SF-14, DA-14 and JBV-1. Power is supplied to FPS-8 from the universal power supply.</p> <p>Sales pack includes:</p> <ul style="list-style-type: none"> - FPS-8 prommer (0750123) - FPS-8 SW activation & installation instructions - FPS-8 activation sheet (9359289) - ACF-8 power supply (0680032) - AXS-4 service cable (D9-D9) (0730090) - Printer cable (0730029) 	


Type/ Code	Description	Picture
FPS-10 0086189	<p>The flash prommer FPS-10 is used, for example, with SF-14, DA-14 and JBV-1. Power is supplied to FPS-8 from the universal power supply.</p> <p>Sales pack includes:</p> <ul style="list-style-type: none"> - FPS-10 prommer () - FPS-10 SW activation & installation instructions - FPS-8 activation sheet (9359289) - ACF-8 power supply (0680032) - AXS-4 service cable (D9-D9) (0730090) - Printer cable (0730029) 	
FPS-11 0770758	<p>8 x parallel flash prommer box</p> <p>The parallel flash prommer FPS-8C is used for example with SF-14, DA-14 and JBV-1. Flash programming can be done to maximum of 8 phones parallel.</p>	
JBT-9 0081490	<p>Bluetooth test & interface box</p> <p>The JBT-9 test box is a generic device to perform Bluetooth Bit Error Rate testing and doing cordless FBUS connection via Bluetooth. An ACP-8x charger is needed for BER testing and AXS-4 cable in case of cordless testing interface usage.</p> <p>Sales package includes:</p> <ul style="list-style-type: none"> - JBT-9 test box (0770336) - SMA stub antenna (066P056) - Installation and warranty information (9360613) 	
FLS-4S 0080541	POS flash prommer for E&A incl. ACF-8 power supply	
FLS-4S 0080542	POS flash prommer for APAC incl. ACF-8 power supply	
FLS-4S 0080543	POS flash prommer for US incl. ACF-8 power supply	

Type/ Code	Description	Picture
PKD-1 0750018	Software security dongle for service SW	
ACF-8 0680032	ACF-8 universal power supply is used to power FPS-8. ACF-8 has 6V DC and 2.1A output.	
ACP-8U 0675196	Charger (for U.S.) Output: 5.3V DC, 500 mA; US Version	
ACP-8E 0675195	Charger (for Europe)	

Type/ Code	Description	Picture
DAU-9S 0730108	Serial data cable with modular connector. 9 pole Sub-D f <=> 8 pole modular The MBUS cable DAU-9S has a modular connector and is used for example between the PC's serial port and module jig MJ-19.	
XCS-4 0730178	Modular cable for e.g. connection between FPS-8 and DA-14. XCS-4 is a shielded (one specially shielded conductor) for flashing and service purposes.	
FLC-2 0730185	Power supply cable from FPS-8 to SF-14. Banana connectors to 3,5 mm DC plug, 1,2 meters. FLC-2 is used to supply a controlled operating voltage.	

Type/ Code	Description	Picture
PCS-1 0730012	Power cable to connect e.g. JBV-1 to FPS-8. 2 x Banana connectors to 5,5 mm DC plug.	
XRF-1 0730085	RF cable to connect e.g. module repair jig to RF measurement equipment. SMA to N-Connector ca. 610mm. Attenuation for - GSM850/900: 0.3+-0.1 dB - GSM1800/1900: 0.5+-0.1 dB - WLAN: 0.6+-0.1dB	
AXS-4 0730090	The AXS-4 D9-D9 service cable is used to connect two 9 pin D connectors e.g. between PC and FPS-8. Cable length is 2 meters.	

Type/ Code	Description	Picture
CA-5S 0730283	DC cable for a phone to JBV-1 connection, used in EM calibration, for example.	
AXP-8 073F000	The parallel printer cable connects the parallel connector of the PC and the parallel input of the FPS-8.	
DKU-2 0730238	Connectivity cable	

Type/ Code	Description	Picture
CA-28DS 0730319	Service data cable	
SS-34 0780396	Flex opening tool	