

# Equipment List, Mechanical

Applicable for T39m and T39mc

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# 1 Abstract

This document describes all required equipment for the mechanical Process repair of the T39 series of mobile phones. Equipment listed without part number is not orderable from Ericsson and must be bought at the local market.

The matrix's in the end of the equipment tables describes where the actual equipment is needed (marked with an X) or may be needed/optional (marked with a Z), according to the process steps described in the document - *Process Flow, mechanical*.

Flash upgrade: Equipment for downloading software in the unit.

Go/NoGo test: Equipment necessary to run a script test. Instruments are listed in the separate document - *Instrument list, standard or advanced*.

Manual test: Equipment necessary to perform a manual test.

Trouble shoot: Equipment needed for trouble shooting and calibration of the unit.

Repair: Equipment necessary for exchanging components.

## 2 Repair Equipment, Mechanical

### 2.1 Ericsson Provided Repair Equipment

Pos	Description	Part Number	Comments	Flash Upgrade	Go/NoGo Test <sup>1)</sup>	Manual Test	Trouble Shoot <sup>1)</sup>	Repair
A1	Torque Screwdriver <sup>*)</sup>	NTZ 112 287/33	Pre-set to 33 Ncm $\pm$ 5%					X
A1-1	Torx Bits No. 6	NTZ 112 288	Spare part to screwdriver					X
A2	Front-opening tool	NTZ 112 302/2	Needs two pieces to open a phone					X
A2-1	Side-opening tool	NTZ 112 303/2						X
A3	Programming Interface, 3V	NTZ 112 334	For the system connector	X				
W1	Cable, RS-232	RPM 113 317/3	PC-Prog. Interface	X				
A4	Smart Card	LZY 213 595		X				
A4-1	USB Smart Card Reader	LZY 213 1191		X				
A25	Hardlock	KRY 105 165		X				
A26	Flip Assembly Tool	SXA 109 2672						X

<sup>\*)</sup> This screwdriver is just a suggestion not required. Any other screwdriver can be used as long as it is within the specification, i.e. 33Ncm  $\pm$  5%.  
Note; choose an adjustable screwdriver 10 –70Ncm with steps of 1Ncm.

<sup>1)</sup> Only available for Standard- and Advanced Repair Process Centre's.



A1



A1-1



A2



A2-1



A3



W1



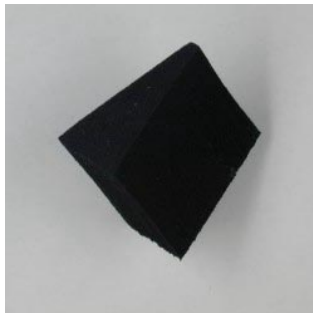
A4



A4-1



A25



A26

## 2.2 Equipment Provided by Other Supplier

			Flash Upgrade	Go/NoGo Test <sup>1)</sup>	Manual Test	Trouble Shoot <sup>1)</sup>	Repair
Pos	Description	Comments					
A6	Battery	Use BKB 193 117 or similar. Buy it at local market.	X	X	X		
A6-1	Battery Charger	Use BML 162 130 or similar. -“-.	Z	Z	Z		
A7	Vehicle Handsfree	Use DPY 901 60 or similar. -“-.			X		
A8	Tweezers Pointed/Blunted	ESD-safe					X
A9	Flatnose Pliers	-“-					X
A10	Side Cutting Pliers	-“-					X
A11	Dentist Hook	-“-					X
A12	Brush	-“-					X
A13	Screwdriver, Small	-“-					X
J1	Isopropyl Alcohol						X
F1	Cotton Gloves						X
F2	ESD Tables Or Table Carpets						X
F3	ESD Wrist Bands With Cable						X
F4	ESD Bags	For transport and handling					X
P1	ESD Tester	For wrist bands and tables/carpets					X
F5	ESD Storage Boxes						X
A14	Computer	IBM compatible Pentium with an USB-port	X	Z		X	
A15	Printer			X			
A16	IR-Device				X		

### 3 Revision History

Rev.	Date	Changes / Comments
A	2001-05-22	First release