



Working Instruction, Mechanical

Applicable for K320 and W200

CONTENTS

1	Introduction	3
1.1	Equipment.....	4
1.2	General cautions	5
2	Disassembly	6
2.1	Overview	6
2.1.1	Memory Stick Micro (M2) 128 MB (W200i only)	7
2.1.2	Battery Cover Assy & Battery	8
2.1.3	Front Cover Assembly	9
2.1.4	PBA Unit.....	10
2.1.5	Metal Frame Assembly (K320 only)	11
2.1.6	Metal Frame Assembly (W200 only)	12
2.1.7	Keypad PWB Assembly	13
3	Replacements	14
3.1	Memory Stick Micro (M2) 128 MB (W200i only)	15
3.2	Battery Cover.....	15
3.3	Front Cover Assembly	15
3.4	Metal Frame Assembly	15
3.5	B-Cover Assembly (Frame)	15
3.6	LCD Module	16
3.7	Joystick Cap & Joystick Gasket (K320 only).....	18
3.8	Joystick Cap and Joystick Silicone (W200i only)	20
3.9	Camera Module VGA & Camera Gasket.....	22
3.10	System Connector.....	24
3.11	Liquid Intrusion Indicator	25
3.12	UI Module Frame	26
3.13	Dome Sheet Foil	27
3.14	Keypad Assembly	28
3.15	Audio Pipe Assembly.....	29
3.16	Pogo Pin.....	30
3.17	Receiver	31
3.18	IR Window	32
3.19	Speaker, Speaker Gasket & Speaker Dust Net.....	33
3.20	Vibrator.....	35
3.21	Microphone Assembly	36
3.22	Camera Key Assembly / Walkman Key	37
3.23	Power Key Assembly	38



3.24 Operator Key Assembly/ Volume Key	39
3.25 Memory Card Hatch (W200i only)	40
3.26 Operator Logo Assembly	41
3.27 Operator Key Label (K320 only).....	42
3.28 Label	43
4 Reassembly	44
4.1 Overview	44
4.1.1 Keypad PWBA Assembly	45
4.1.2 Metal Frame Assembly (K320 only)	46
4.1.3 Metal Frame Assembly (W200 only)	47
4.1.4 PBA Unit.....	48
4.1.5 Front Cover Assembly.....	49
4.1.6 Battery & Battery Cover Assembly	50
5 Revision history	51

1 Introduction

K320



W200i



1.1 Equipment

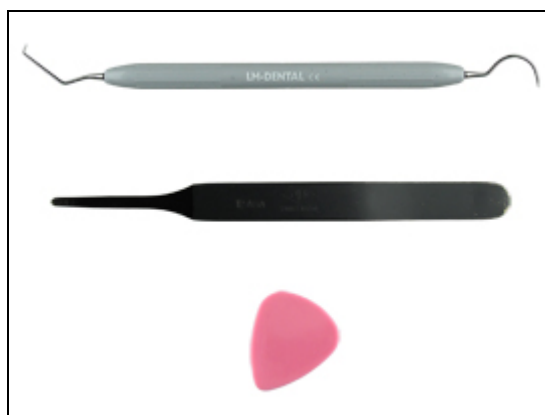
SPECIAL TOOLS

- NTZ 112 459 Torque screwdriver (or equivalent) set to 17 Ncm+/- 6%
- NTZ 112 288 Torx bit no. 6
- NTZ 112 1070 Camera removal tool (NEW!)
- NTZ 112 521 Flex film assembly tool
- NTZ 112 302/2 Front opening tool



STANDARD TOOLS

- Dentist hook
- Blunt pair of tweezers
- Guitar pick



ESD EQUIPMENT

Protect the phone from ESD damages whenever it has been opened by using:

- ESD-wristband
- ESD-gloves



LABEL EQUIPMENT

The following special equipment is required when replacing or installing a new label:

- Hot air flow solder station
- Zebra printer connected to computer





1.2 General cautions

The following cautions are considered to be generic for all phone models and will not be repeated in the Disassembly, Replacements and Reassembly sections:

- **KEEP ALL CONTACT SURFACES CLEAN!**
- **BE CAREFUL WHEN USING TOOLS LIKE THE DENTIST HOOK, TWEEZERS, OPENING TOOLS, GUITAR PICK ETC. TO AVOID SCRATCHES OR DAMAGES TO THE EXTERIOR AND INTERIOR PARTS OF THE PHONE!**
- **BE CAREFUL NOT TO DAMAGE ANY CONTACT SPRINGS!**
- **REMEMBER TO REMOVE THE PROTECTION FOILS ON NEW PARTS SUCH AS THE FRONT COVER AND LCD!**
- **NEVER TOUCH THE DISPLAY GLASS!**
- **USE AIR BLOW EQUIPMENT TO KEEP THE FRONT WINDOW AND DISPLAY MODULE DUST FREE!**

ADHESIVES

Use a dentist hook or a blunt pair of tweezers to remove old adhesives.

If necessary, clean the surface with isopropyl alcohol before attaching new adhesives.

PRECAUTIONARY ACTIONS

Press the On/Off button to turn off the phone before the start of the disassembly.

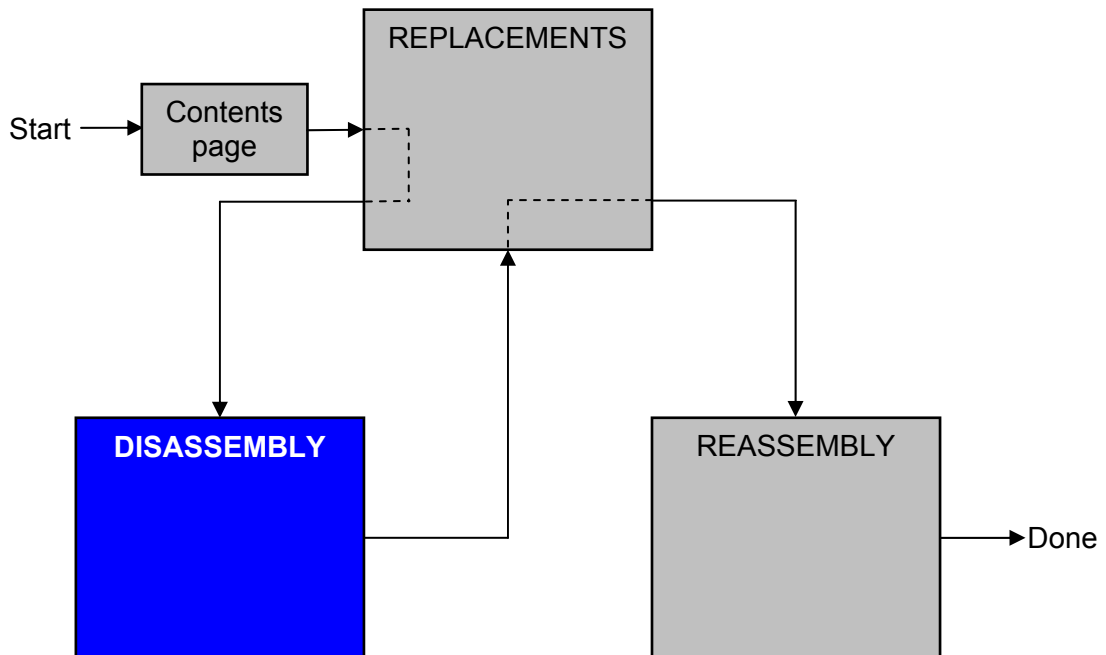
Can be done without any previous disassembly!

1. Use your fingers and press in (shortly) the *memory stick micro (M2) 128 MB*.
2. Remove the *memory stick micro (M2) 128 MB* with your fingers or with the help of a dentist hook.



2 Disassembly

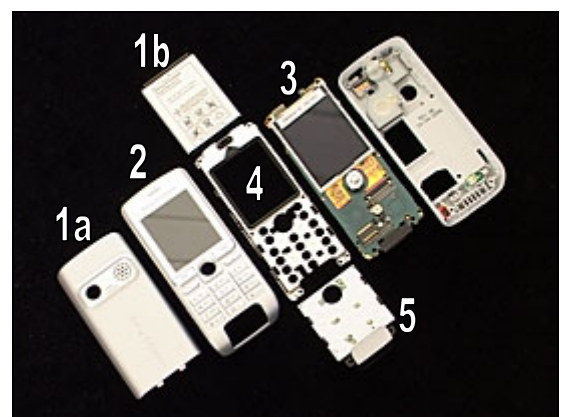
When you are going to replace a part being listed in *Replacements*, the instruction of that section usually begins by directing you to this *Disassembly* section with a specification of the instructions you have to carry out in order to disassemble the phone as far as needed before returning to *Replacements* for the actual replacement.



2.1 Overview

The disassembly is done in the following sequence:

1. Battery Cover (a) & Battery
2. Front Cover asm
3. PBA unit
4. Metal Frame asm
5. Keypad PWBA asm



2.1.1 Memory Stick Micro (M2) 128 MB (W200i only)

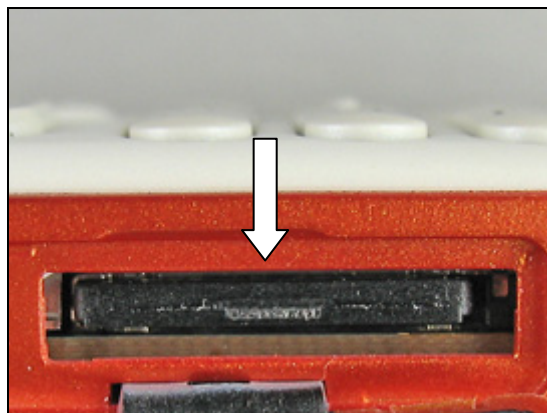
REMOVAL

1. Use your fingers and press in (shortly) the *memory stick micro (M2) 128 MB*.
2. Remove the *memory stick micro (M2) 128 MB* with your fingers or with the help of a dentist hook.



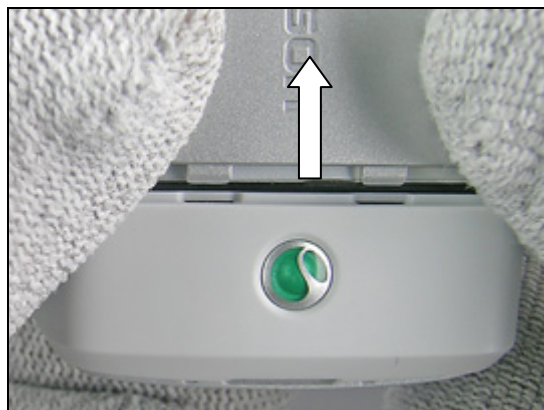
INSTALLATION

Assemble (push in until it locks) a new *memory stick micro (M2) 128 MB* with your fingers.

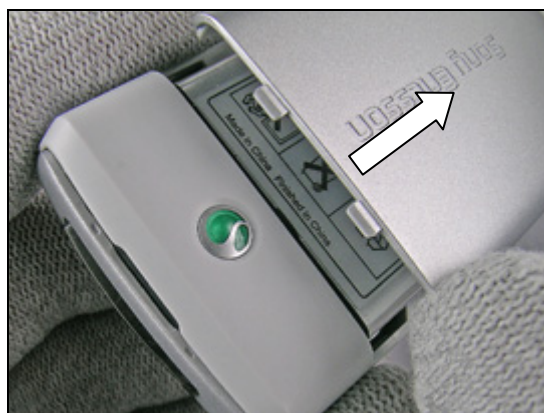


2.1.2 Battery Cover Assy & Battery

Press on the bottom of the *battery cover assy* and simultaneously push it upwards.



Lift the *battery cover assy* up and release it from the *frame*.



Release the *battery* at the bottom and remove it.



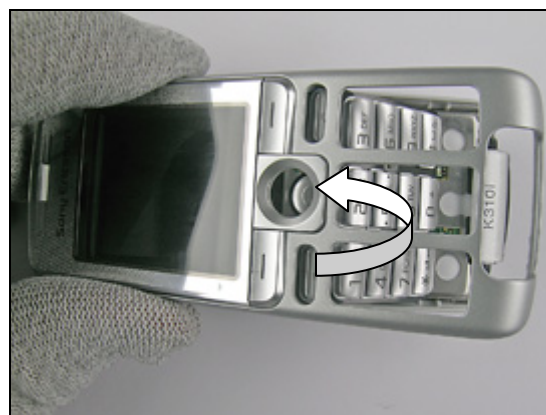
2.1.3 Front Cover Assembly

Position the front opening tool in the gap underneath the *system connector*.

Unhook the *front cover assembly* by gently bending it out from the *system connector*.

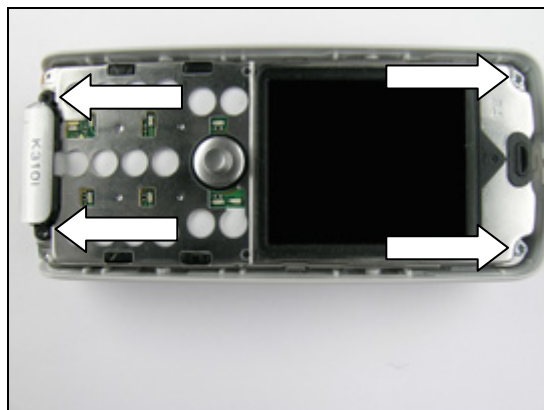


Grab the *front cover assembly* and carefully remove it from the *B-cover assembly*.



2.1.4 PBA Unit

Use torx bit no. 6 to remove the four screws.



BE CAREFUL NOT TO DAMAGE THE GUIDING PINS IN THE B-COVER ASSEMBLY!

Lift and remove the *PBA unit* starting at the bottom of the phone.

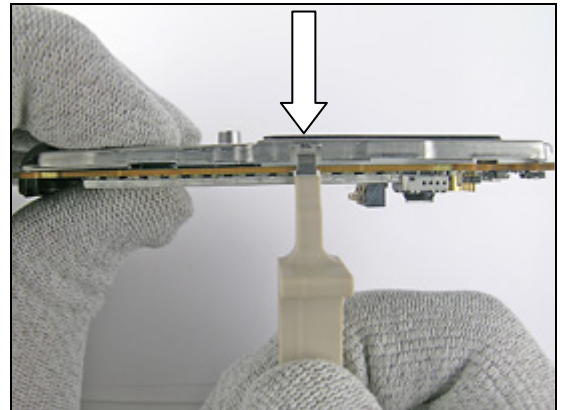


2.1.5 Metal Frame Assembly (K320 only)

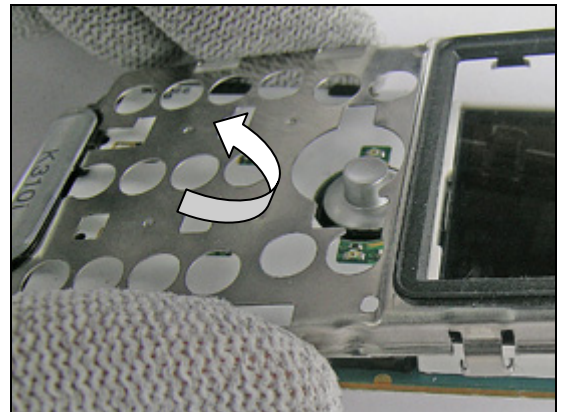
THESE INSTRUCTIONS ARE UNIQUE FOR K320. THE METAL FRAME ASSEMBLY INSTRUCTIONS FOR W200 ARE STATED IN CHAPTER 2.1.6!

THE METAL FRAME HAS GOT TWO SNAP HOOKS!

Use the front opening tool to unsnap the *metal frame assembly* from the PBA.



Grab the *metal frame assembly* at the top and carefully lift it upwards to remove it.

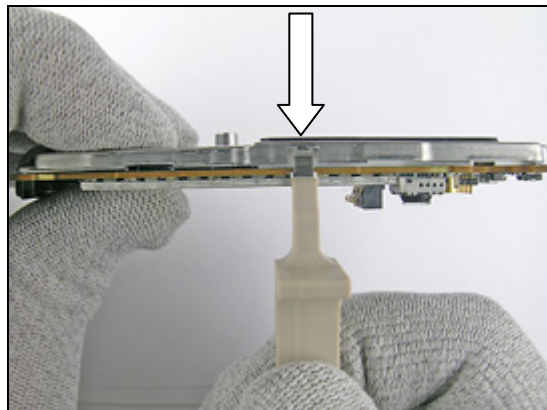


2.1.6 Metal Frame Assembly (W200 only)

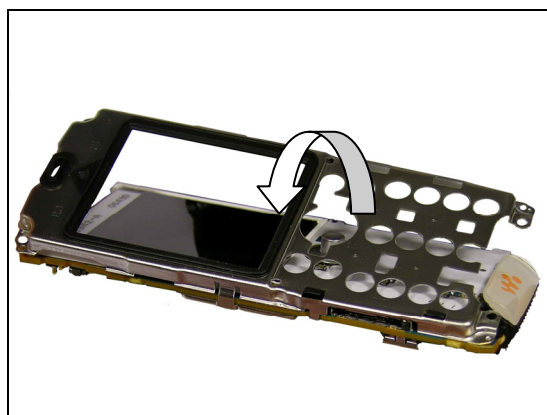
THESES INSTRUCTIONS ARE UNIQUE FOR W200. THE METAL FRAME ASSEMBLY INSTRUCTIONS FOR K320 ARE STATED IN CHAPTER 2.1.5!

THE METAL FRAME HAS GOT TWO SNAP HOOKS!

Use the front opening tool to unsnap the *metal frame assembly* from the PBA.

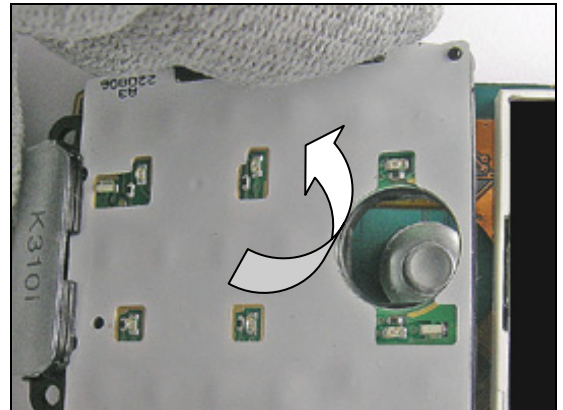


Grab the *metal frame assembly* and carefully lift it upwards to remove it.



2.1.7 Keypad PWB Assembly

Grab the *keypad PWB assembly* and remove it.





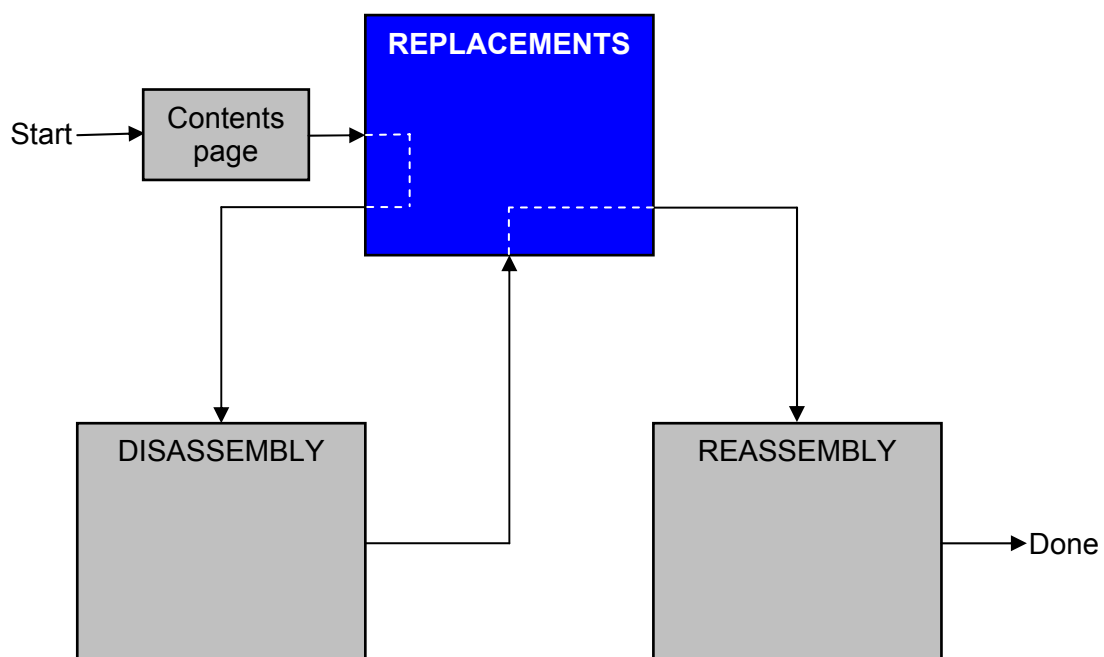
3 Replacements

Search for the part to be replaced on the Contents page and go to that instruction to be found in this *Replacements* section.

The instruction usually begins by directing you to the *Disassembly* section with a specification of the instructions you have to carry out in order to disassemble the phone as far as needed before the actual replacement.

Go back to this *Replacements* section and carry out the instruction.

The instruction usually ends by directing you to the *Reassembly* section with a specification of the instructions you have to carry out in order to reassemble the phone.





3.1 Memory Stick Micro (M2) 128 MB (W200i only)

Follow the 2.1.1 Disassembly instructions!

Prepare the new *memory stick (M2) 128 MB*.

Follow the 4.1.5 Reassembly instructions!

3.2 Battery Cover

Follow the 2.1.2 Disassembly instructions!

Prepare the new *battery cover*.

Follow the 4.1.5 Reassembly instructions!

3.3 Front Cover Assembly

Follow the 2.1.1 – 2.1.3 Disassembly instructions!

Prepare the new *front cover assembly*.

Follow the 4.1.4 – 4.1.5 Reassembly instructions!

3.4 Metal Frame Assembly

Follow the 2.1.1 – 2.1.5 Disassembly instructions!

Prepare the new *metal frame assembly*.

Follow the 4.1.2 – 4.1.5 Reassembly instructions!

3.5 B-Cover Assembly (Frame)

Follow the 2.1.1 – 2.1.4 Disassembly instructions!

Follow the 3.14 & 3.15 – 3.23, (3.24 W200i only) Removal instructions!

Prepare the new *frame (B-Cover Assembly)*.

Follow the 3.14 & 3.15 – 3.23, (3.24 W200i only) & 3.25 Installation instructions!

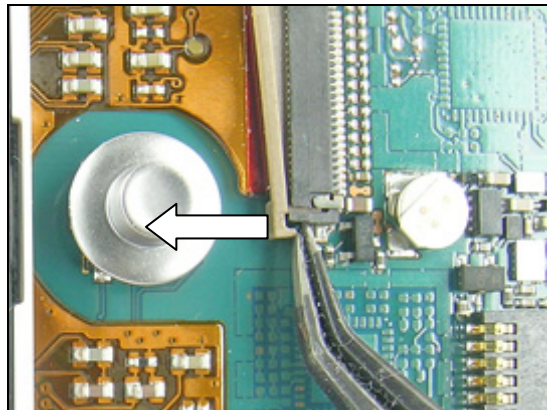
Follow the 4.1.3 – 4.1.5 Reassembly instructions!

3.6 LCD Module

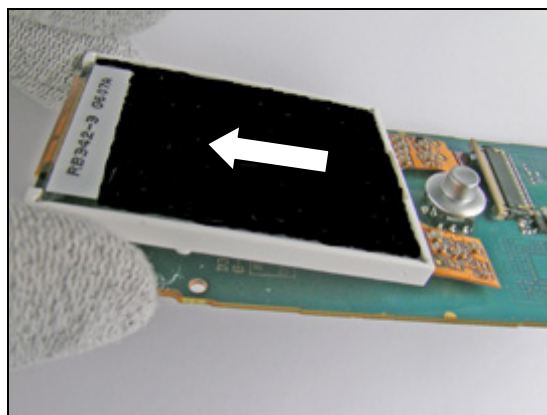
REMOVAL

Follow the 2.1.1 – 2.1.6 Disassembly instructions!

Use the flex film opening tool and carefully press the bar on the *ZIF-connector* straight backwards to open the *ZIF-connector*.

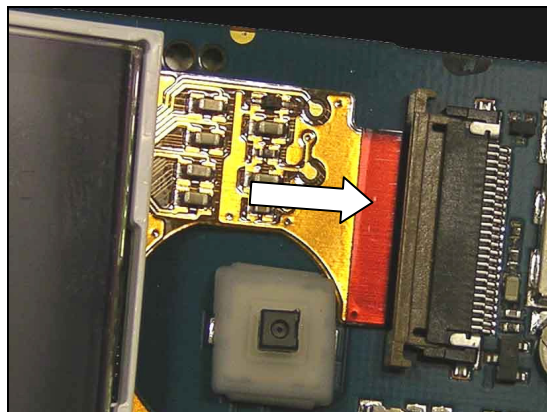


Carefully lift up the *LCD module* and remove it.

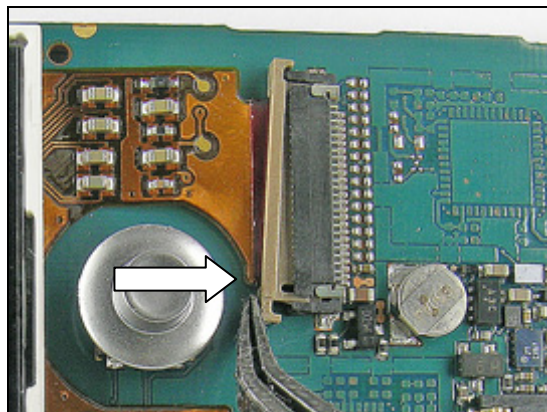


INSTALLATION

Insert the flex film into the *ZIF-connector*.



Use the flex film opening tool and carefully press the bar on the *ZIF-connector* towards the *ZIF-connector* to close it.

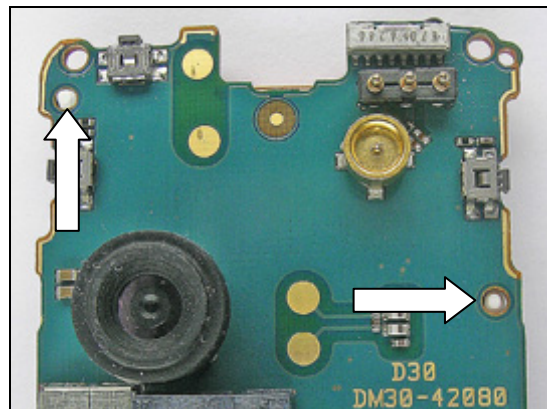


LCD Module *continued*

THE LCD MODULE HAS GUIDING PINS!

Use the guiding pins to position the *LCD module* on the *PBA*.

Follow the 4.1.1 – 4.1.5 Reassembly instructions!





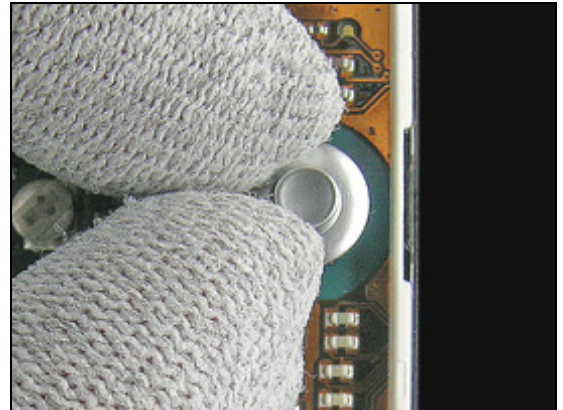
3.7 Joystick Cap & Joystick Gasket (K320 only)

REMOVAL

Follow the 2.1.1 – 2.1.6 Disassembly instructions!

THESE INSTRUCTIONS ARE UNIQUE FOR K320. THE JOYSTICK CAP AND JOYSTICK SILICONE INSTRUCTIONS FOR W200 ARE STATED IN CHAPTER 3.8!

Grab underneath the *joystick cap* and pull it off the joystick switch.



Use a dentist hook to remove the *joystick gasket*.



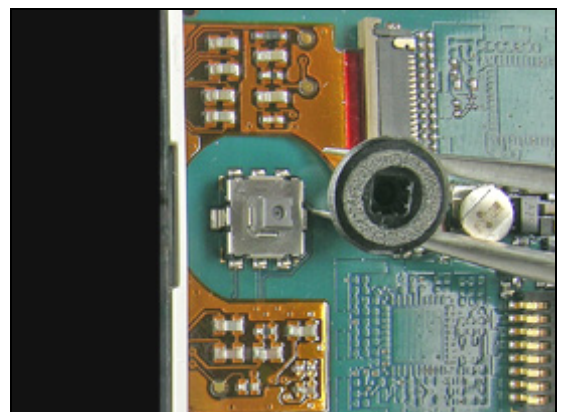
INSTALLATION

CLEAN THE JOYSTICK SURFACE WITH ISOPROPYL ALCOHOL!

Use the tweezers to mount the new *joystick gasket* on the *joystick cap*.



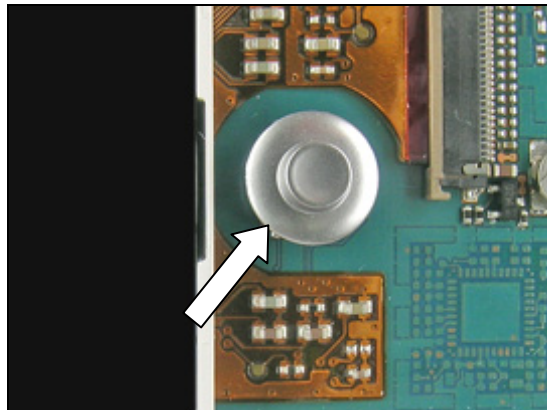
Note the orientation of the *joystick cap*!



Joystick Cap & Joystick Gasket continued

Carefully press down the *joystick cap* on the joystick switch.

Follow the 4.1.1 – 4.1.5 Reassembly instructions!





3.8 Joystick Cap and Joystick Silicone (W200i only)

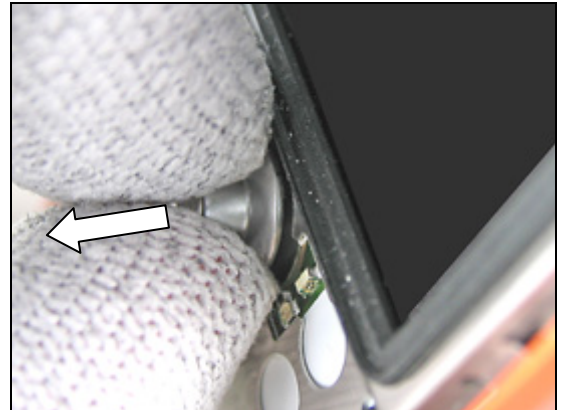
REMOVAL

Follow the 2.1.1 – 2.1.3 Disassembly instructions!

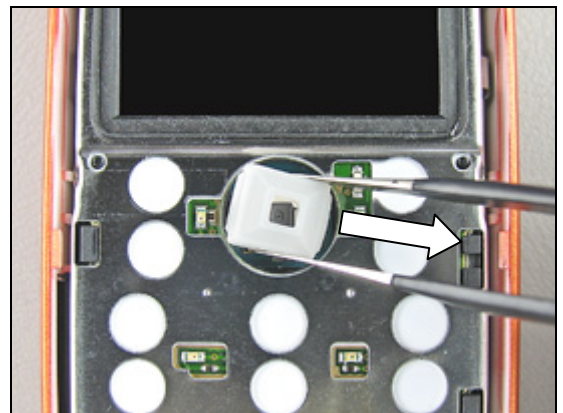
THESE INSTRUCTIONS ARE UNIQUE FOR W200. THE JOYSTICK CAP & JOYSTICK GASKET INSTRUCTIONS FOR K320 ARE STATED IN CHAPTER 3.7!

Use your fingers or with the help of a pair of tweezers to remove the *joystick cap*.

Pull the *joystick cap* straight up.



Use a pair of tweezers to remove the *joystick silicone*.

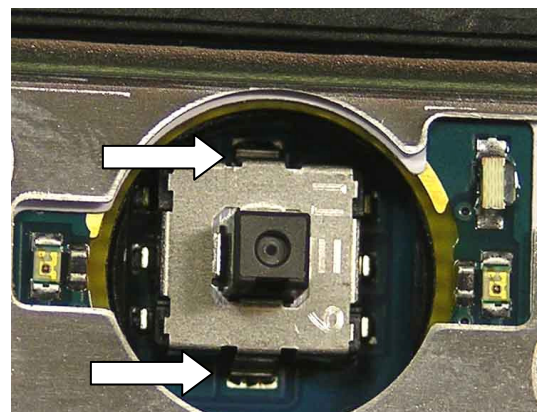


INSTALLATION

THE JOYSTICK SILICON HAS A GAP!



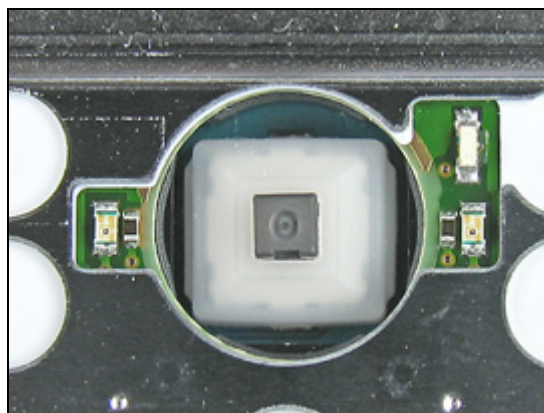
THE JOYSTICK HAS PINS THAT ARE ATTACHED TO THE PCB!



Joystick Cap and Joystick Silicone (W200i only) *continued*

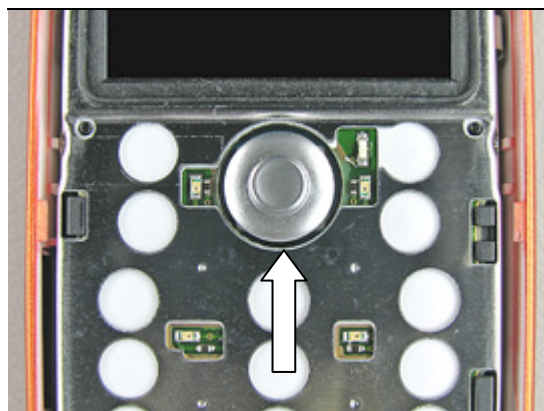
USE A NEW JOYSTICK SILICON GASKET!

Use the *joystick silicon gasket* gap and the *joystick pins* to position the *joystick silicon gasket* onto the *joystick*.



Carefully press the *joystick cap* down to the bottom of the *joystick switch*.

Follow the 4.1.4 – 4.1.5 Reassembly instructions!

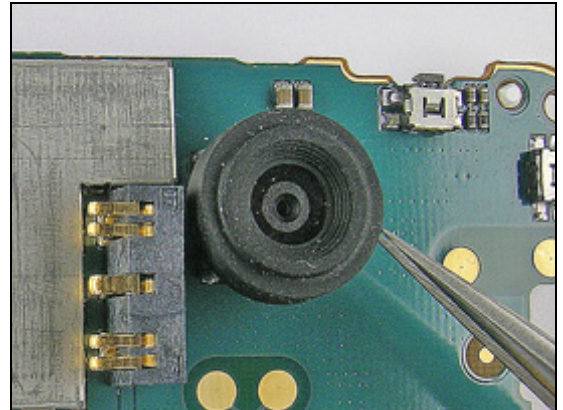


3.9 Camera Module VGA & Camera Gasket

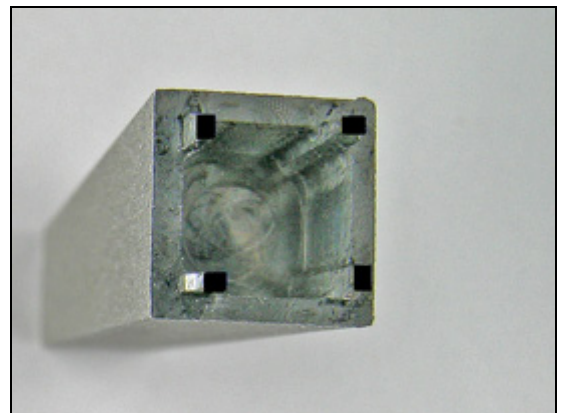
REMOVAL

Follow the 2.1.1 – 2.1.4 Disassembly instructions!

Use tweezers to remove the *camera gasket*.

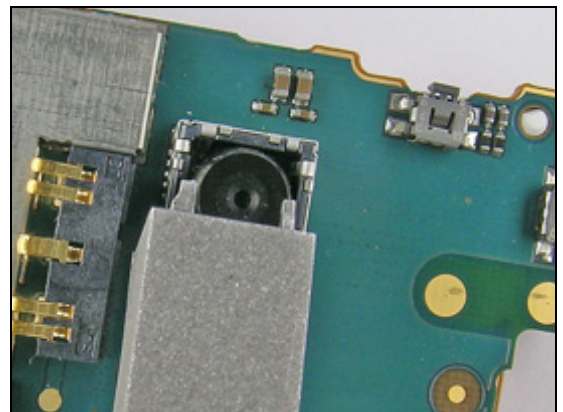


Note the pin orientation on the camera removal tool!

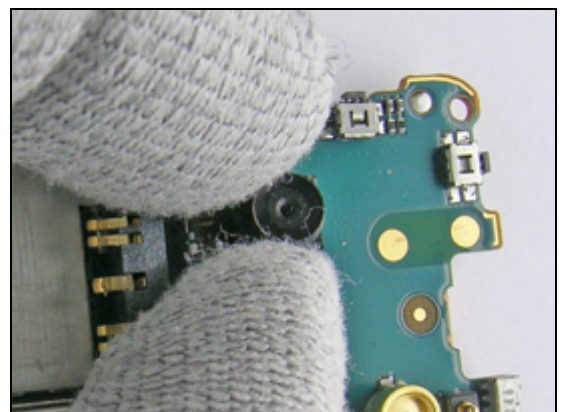


Position the camera removal tool over the *camera module VGA*.

Use your fingers and press the camera removal tool down into the socket and lift the tool up.



Use your fingers to remove the *camera module VGA* from the socket.

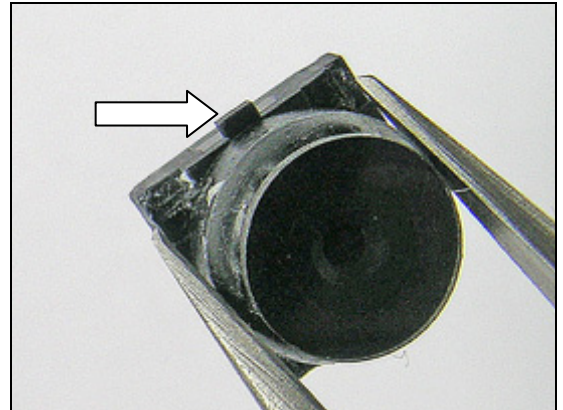




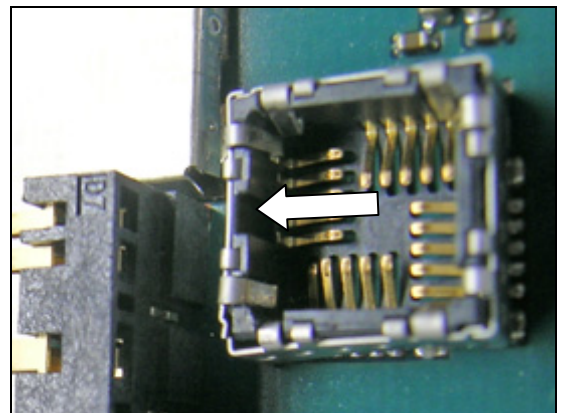
Camera Module VGA & Camera Gasket *continued*

INSTALLATION

THE CAMERA MODULE VGA HAS A GUIDING PIN!



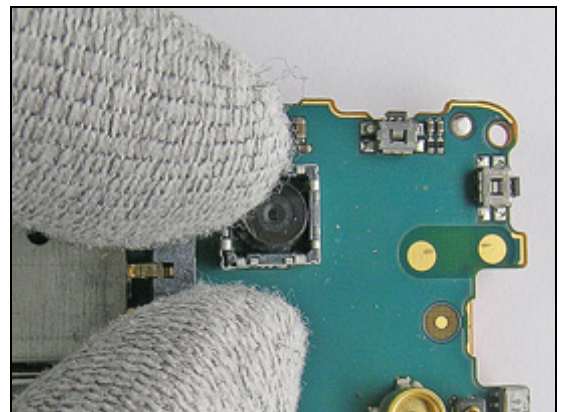
THE SOCKET HAS A GUIDING GAP!



BE CAREFUL NOT TO TOUCH THE CAMERA LENS SURFACE!

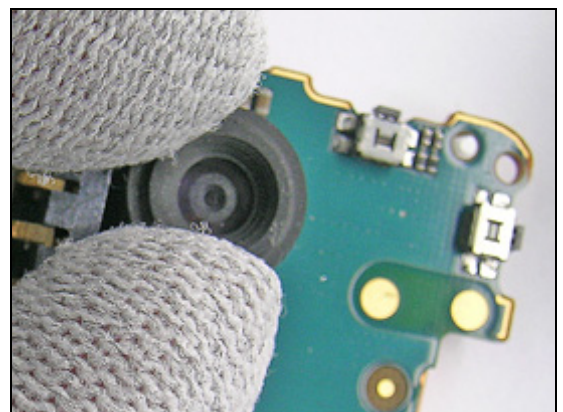
Orientate the *camera* guiding pin so it corresponds to the *socket* guiding gap.

Use your fingers and carefully press the *camera module* VGA into the socket.



Use your fingers to attach the camera gasket on the *camera module* VGA.

Follow the 4.1.3 – 4.1.5 Reassembly instructions!

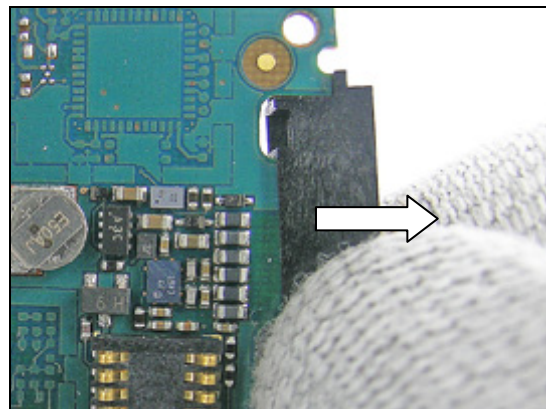


3.10 System Connector

REMOVAL

Follow the 2.1.1 – 2.1.6 Disassembly instructions!

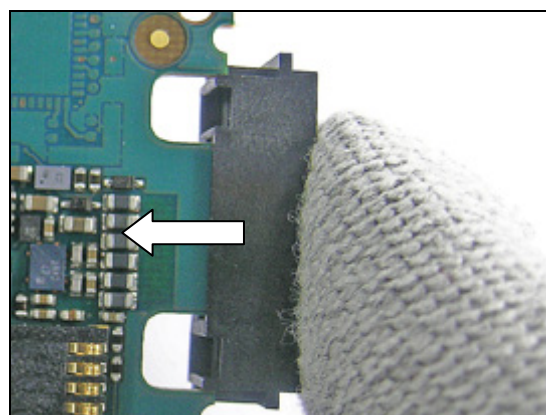
Use your fingers to remove the *system connector*.



INSTALLATION

Use your fingers to mount the *system connector*.

Follow the 4.1.1 – 4.1.5 Reassembly instructions!



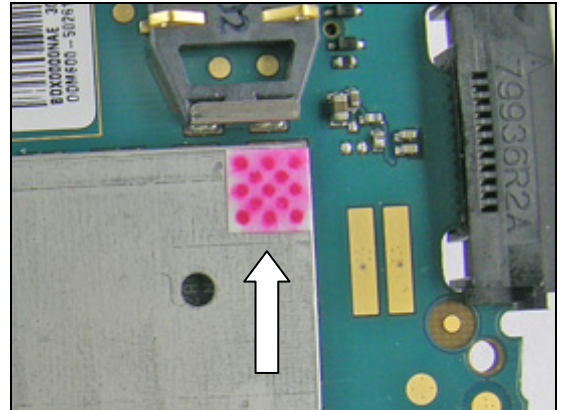


3.11 Liquid Intrusion Indicator

REMOVAL

Follow the 2.1.1 – 2.1.4 Disassembly instructions!

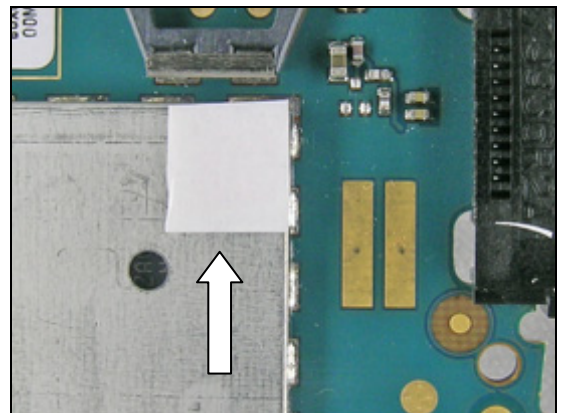
Use a dentist hook to remove the *liquid intrusion indicator*.



INSTALLATION

Use the tweezers to attach a new *liquid intrusion indicator*.

Follow the 4.1.3 – 4.1.5 Reassembly instructions!





3.12 UI Module Frame

REMOVAL

Follow the 2.1.1 – 2.1.6 Disassembly instructions!

THE UI MODULE FRAME HAS GOT FOUR SNAP HOOKS!

Use a dentist hook to release the *UI module frame* and simultaneously press underneath the *UI module*.

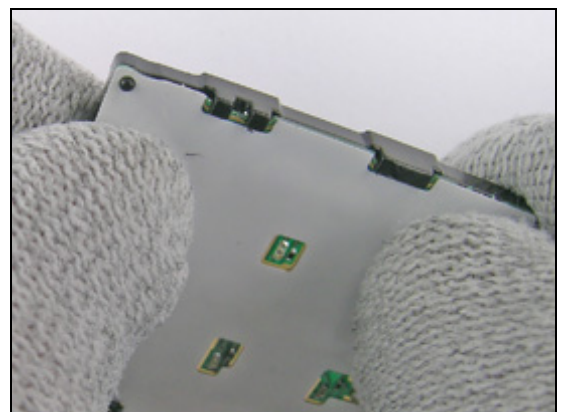
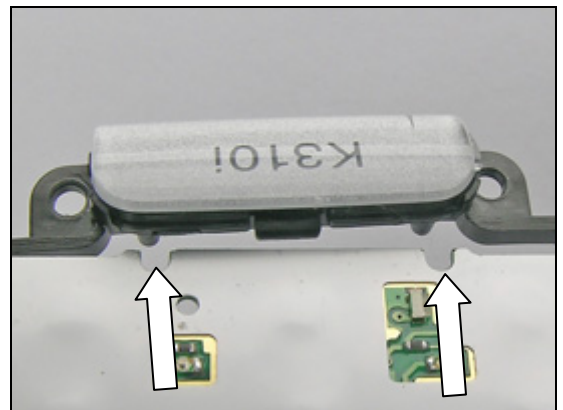
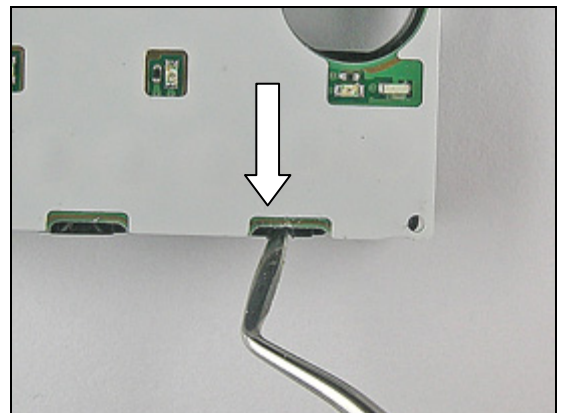
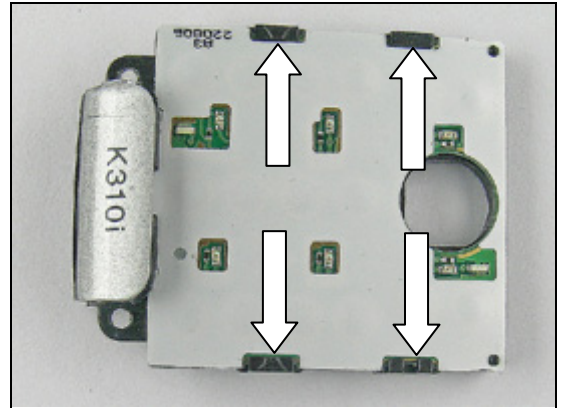
INSTALLATION

THE UI MODULE FRAME HAS GOT TWO GUIDING PINS!

Use the guiding pins to position the *UI Module* on the *UI module frame*.

Press the *UI Module* carefully down onto the *UI module frame* to snap the together.

Follow the 4.1.1 – 4.1.5 Reassembly instructions!



3.13 Dome Sheet Foil

REMOVAL

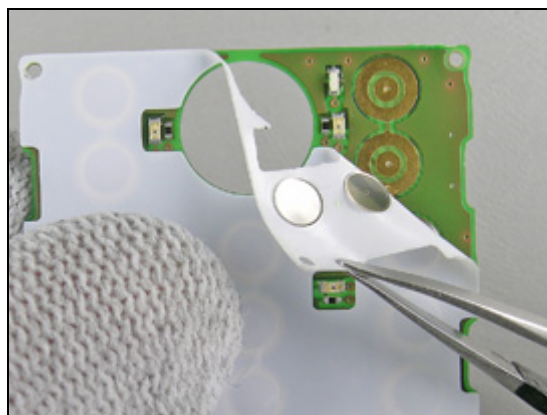
Follow the 2.1.1 – 2.1.6 Disassembly instructions!

Follow the 3.12 Removal instructions!

Use a dentist hook to start removing the *dome sheet foil* from the *PWB*.



Use the tweezers to continue the removal of the *dome sheet foil*.

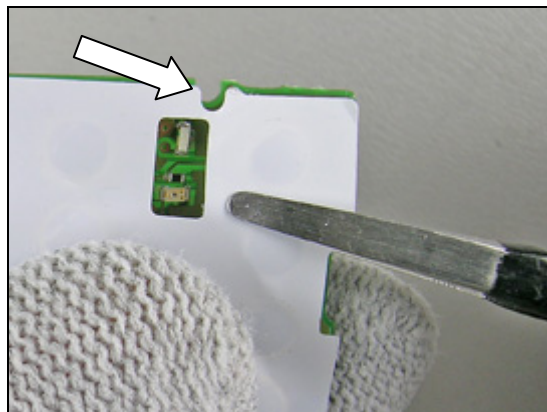


INSTALLATION

USE A NEW DOME SHEET FOIL!

USE THE HACK NOTCH TO GUIDE THE DOME SHEET FOIL!

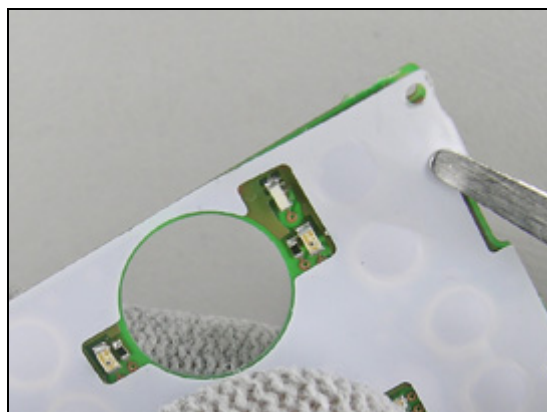
Attach a new *dome sheet foil* by starting at the bottom.



Continue the attachment of the *dome sheet foil* and end it at the top.

Follow the 3.12 Installation instructions!

Follow the 4.1.1 – 4.1.5 Reassembly instructions!



3.14 Keypad Assembly

REMOVAL

Follow the 2.1.1 – 2.1.3 Disassembly instructions!

Press on the top keys through the front cover and remove the *keypad assembly*.



INSTALLATION

Position the *keypad assembly* into the front cover.



Carefully press to attach the *keypad assembly* to the front cover.

Follow the 4.1.4 – 4.1.5 Reassembly instructions!



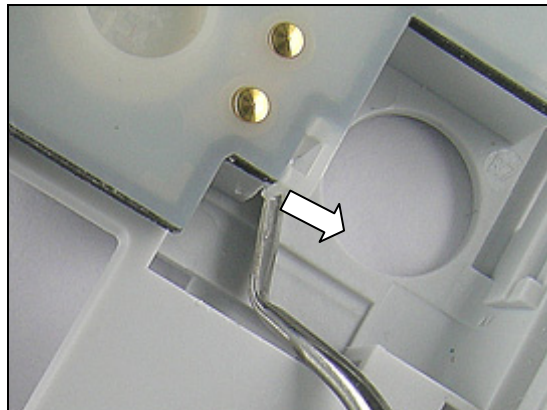
3.15 Audio Pipe Assembly

REMOVAL

Follow the 2.1.1 – 2.1.4 Disassembly instructions!

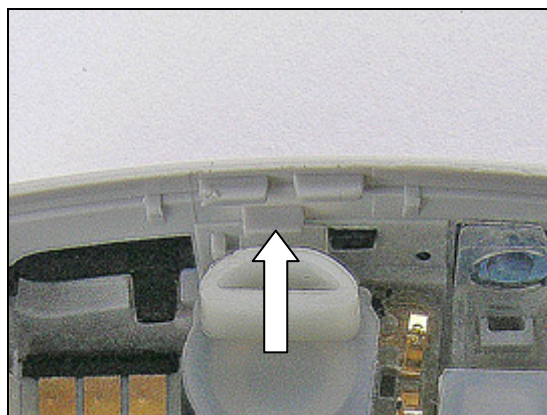
BE CAREFUL NOT TO DAMAGE THE POGO PINS!

Use the dentist hook to release the snap hook and at the same time press the *audio pipe assembly* upwards.
Remove the *audio pipe assembly* with your fingers.



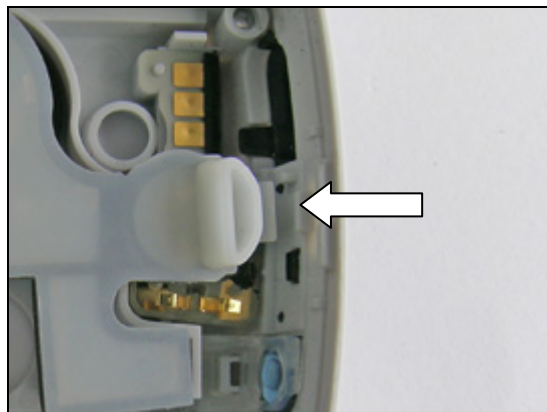
INSTALLATION

THE B-COVER ASSEMBLY HAS GOT ONE HOOK!



BE CAREFUL WITH THE RECEIVER CONNECTORS!

Place the *audio pipe assembly* underneath the hook in the B-cover assembly.



Position the *audio pipe assembly* and gently press on it to snap fit them together.

Follow the 4.1.3 – 4.1.5 Reassembly instructions!



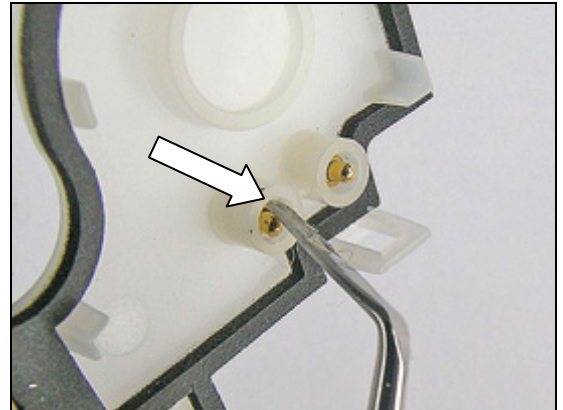


3.16 Pogo Pin

REMOVAL

Follow the 2.1.1 – 2.1.4 Disassembly instructions!
Follow the 3.15 Removal instructions!

Turn the *audio pipe assembly* up-side-down and hold your hand under it to collect the *pogo pins*.
If they do not fall out, use the dentist hook to press them out of their holes.



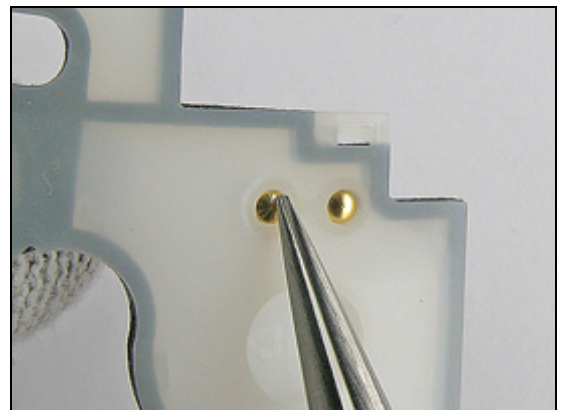
INSTALLATION

Use the tweezers to insert the *pogo pins* into their holes.



Press the *pogo pins* in place and make sure they are in the right positions.

Follow the 3.15 Installation instructions!
Follow the 4.1.3 – 4.1.5 Reassembly instructions!



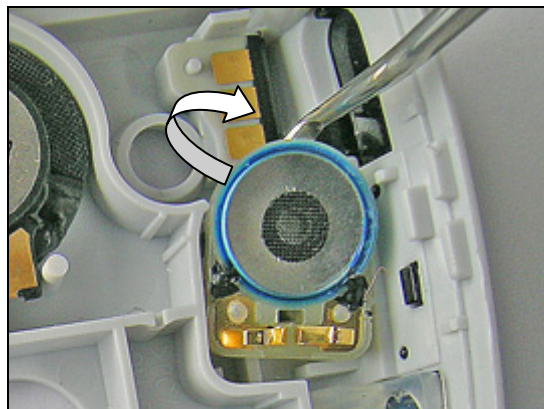
3.17 Receiver

REMOVAL

*Follow the 2.1.1 – 2.1.4 Disassembly instructions!
Follow the 3.15 Removal instructions!*

***IF THE RECEIVER SHOULD BE REUSED, BE CAREFUL WITH THE
RECEIVER CONNECTORS!***

Use the dentist hook to remove the *receiver*.



INSTALLATION

***BE CAREFUL NOT TO DAMAGE THE RECEIVER CONNECTORS
DURING THIS PROCEDURE!***

Use the tweezers to mount the *receiver*.

*Follow the 3.15 Installation instructions!
Follow the 4.1.3 – 4.1.5 Reassembly instructions!*



3.18 IR Window

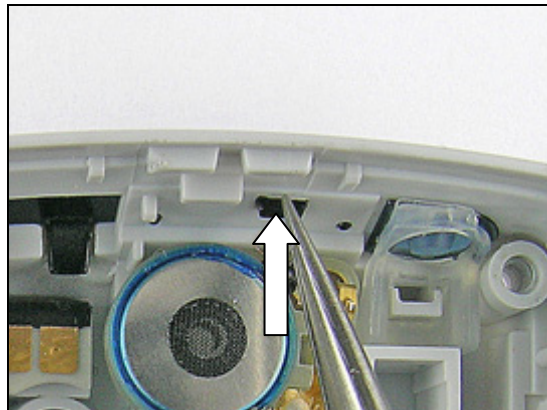
REMOVAL

Follow the 2.1.1 – 2.1.4 Disassembly instructions!

Follow the 3.15 Removal instructions!

THE IR WINDOW HAS GOT ONE SNAP HOOK!

Position the dentist hook on the *IR window's* snap hook and press it out through the *frame*.



Remove the *IR window* with your fingers.



INSTALLATION

NOTE THE ORIENTATION OF THE IR WINDOW!

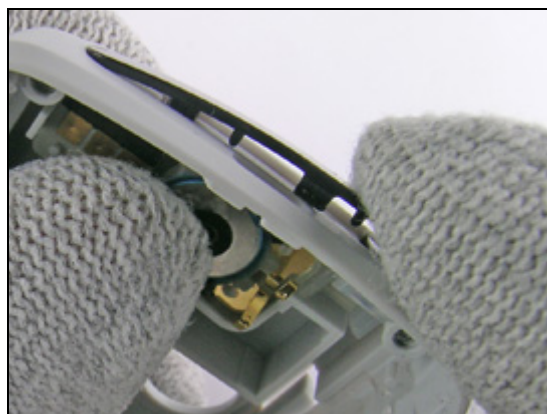
Use the tweezers to position the *IR window*.



Use your fingers to carefully press it into the *frame* to snap fit them together.

Follow the 3.15 Installation instructions!

Follow the 4.1.3 – 4.1.5 Reassembly instructions!



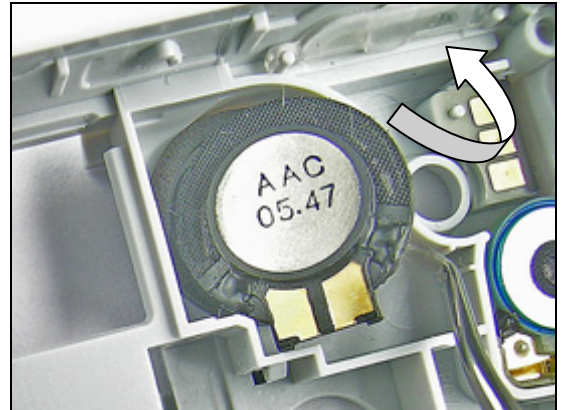


3.19 Speaker, Speaker Gasket & Speaker Dust Net

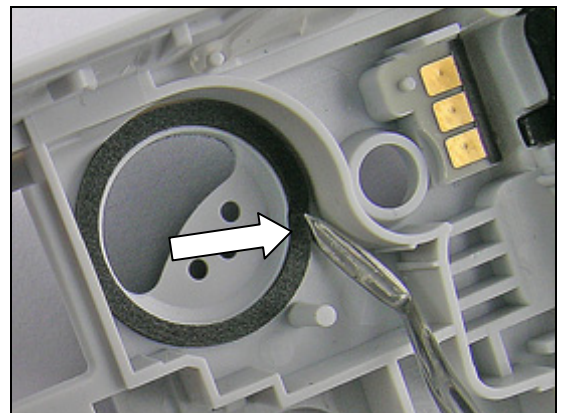
REMOVAL

Follow the 2.1.1 – 2.1.4 Disassembly instructions!
Follow the 3.15 Removal instructions!

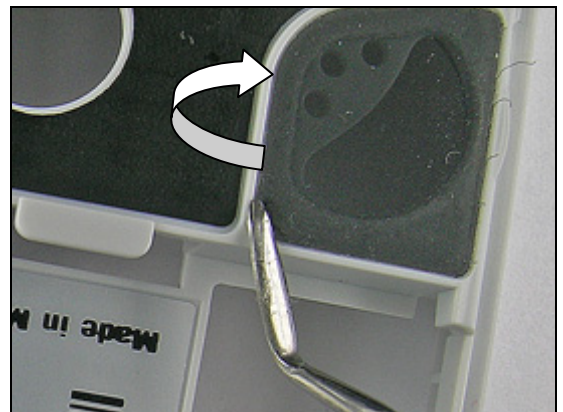
Use the dentist hook to remove the *speaker*.



Use the dentist hook to remove the *speaker gasket*.



Use the dentist hook to remove the *dust net*.



INSTALLATION

Clean the surface with isopropyl alcohol.

USE A NEW DUST NET!

Use the tweezers to attach the *dust net*.





Speaker, Speaker Gasket & Speaker Dust Net *continued*

Clean the speaker cavity with isopropyl alcohol.

USE A NEW SPEAKER GASKET!

Use the tweezers to attach a *speaker gasket*.

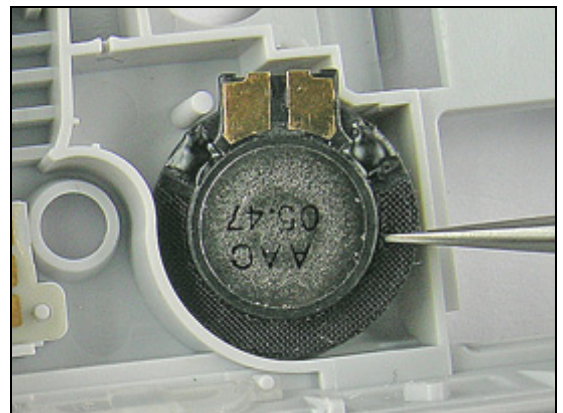


Use the tweezers to install a new *speaker*.

Gently apply pressure for a few seconds to secure a good fit.

Follow the 3.15 Installation instructions!

Follow the 4.1.3 – 4.1.5 Reassembly instructions!



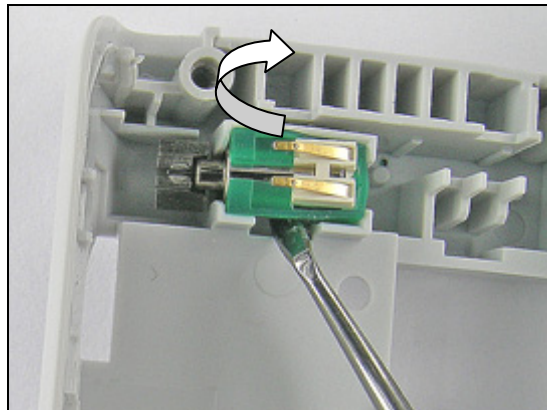
3.20 Vibrator

REMOVAL

Follow the 2.1.1 – 2.1.4 Disassembly instructions!

DO NOT LIFT THE VIBRATOR BY THE FLYWHEEL!

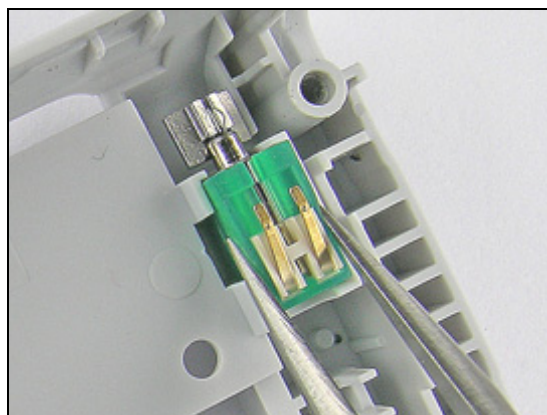
Use the dentist hook to carefully lift the *vibrator* straight up.



INSTALLATION

DO NOT PRESS ON THE CONNECTORS!

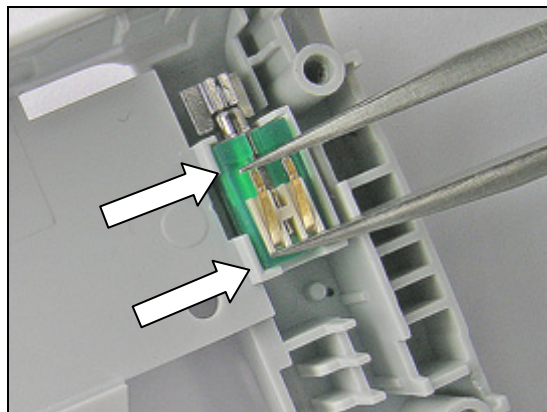
Use the tweezers to position and assemble the *vibrator*.



DO NOT PRESS ON THE CONNECTORS!

Press on the *vibrator* beside the connectors to secure the position.

Follow the 4.1.3 – 4.1.5 Reassembly instructions!

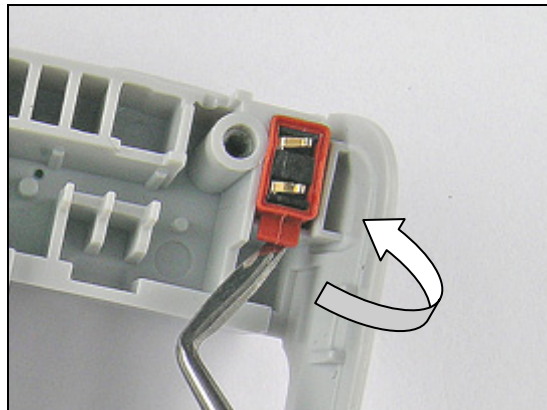


3.21 Microphone Assembly

REMOVAL

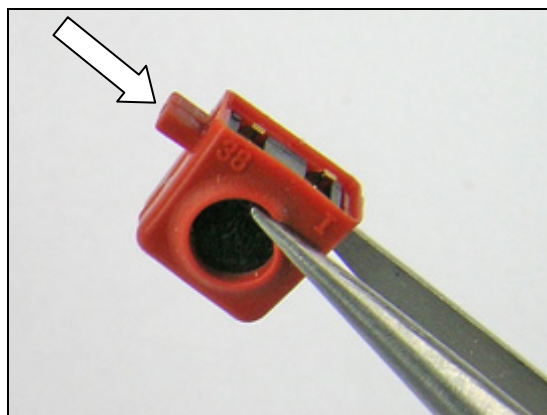
Follow the 2.1.1 – 2.1.4 Disassembly instructions!

Use the dentist hook to carefully release and lift up the *microphone assembly*.



INSTALLATION

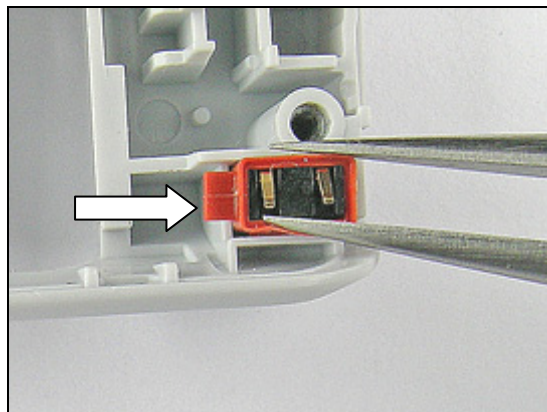
Use the tweezers to install the *microphone assembly*. The knob should be pointing upwards.



NOTE THE ORIENTATION OF THE MICROPHONE!
DO NOT PRESS ON THE CONNECTORS!

Press on the *microphone assembly* in the middle, between the *connectors*, to secure a good fit.

Follow the 4.1.3 – 4.1.5 Reassembly instructions!

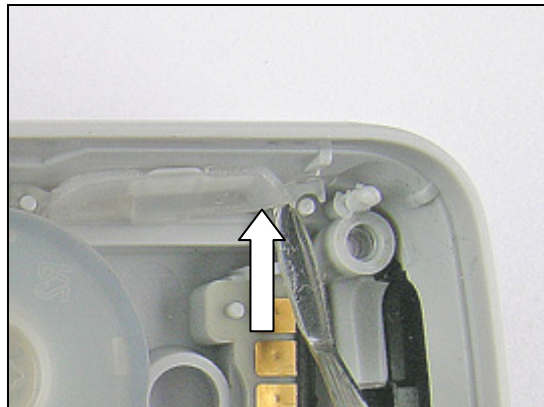


3.22 Camera Key Assembly / Walkman Key

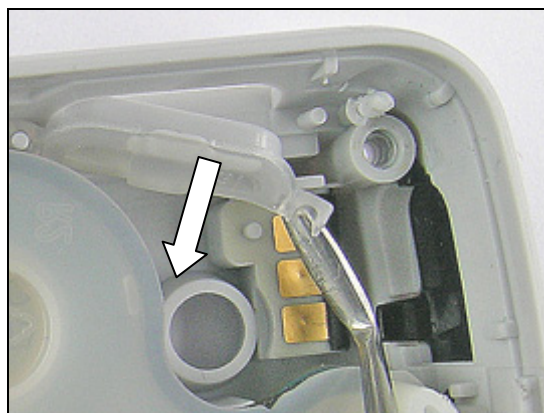
REMOVAL

Follow the 2.1.1 – 2.1.4 Disassembly instructions!

Use the dentist hook to unhook the *camera key assembly* from the frame.



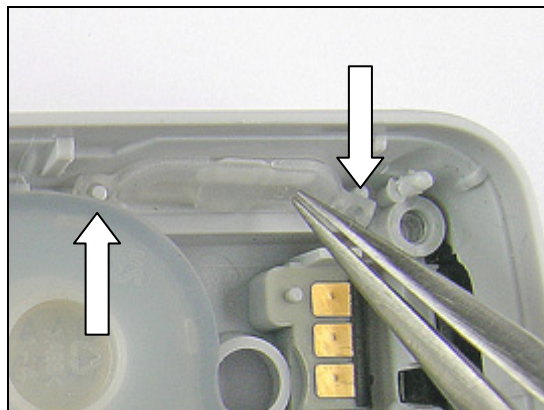
Remove the *camera key assembly*.



INSTALLATION

THE FRAME HAS GOT TWO GUIDING PINS!

Position the *camera key assembly* in the frame.



Attach the *camera key assembly* at both ends.

Follow the 4.1.3 – 4.1.5 Reassembly instructions!



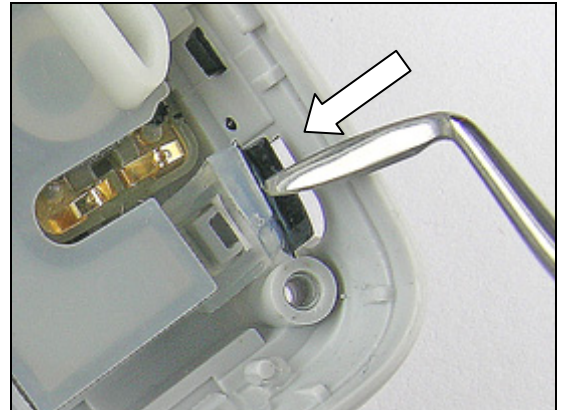


3.23 Power Key Assembly

REMOVAL

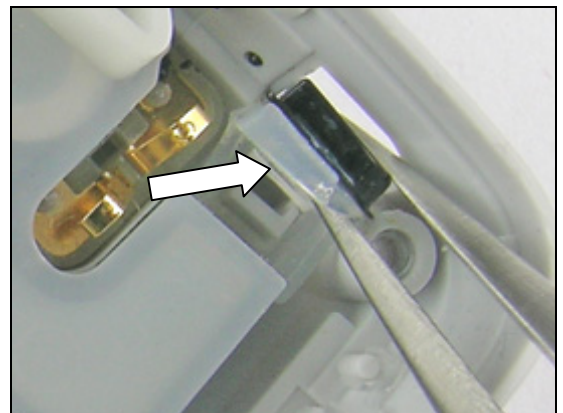
Follow the 2.1.1 – 2.1.4 Disassembly instructions!

Use the dentist hook to remove the *power key assembly*.



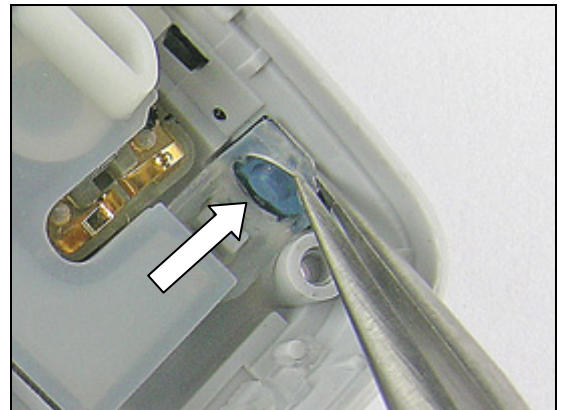
INSTALLATION

Use the tweezers to attach the *power key assembly* by placing the knob in the notch.



Use the tweezers to push down the ear onto the notch.

Follow the 4.1.3 – 4.1.5 Reassembly instructions!



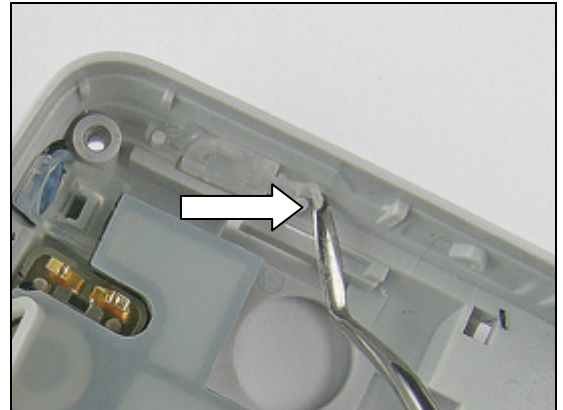


3.24 Operator Key Assembly/ Volume Key

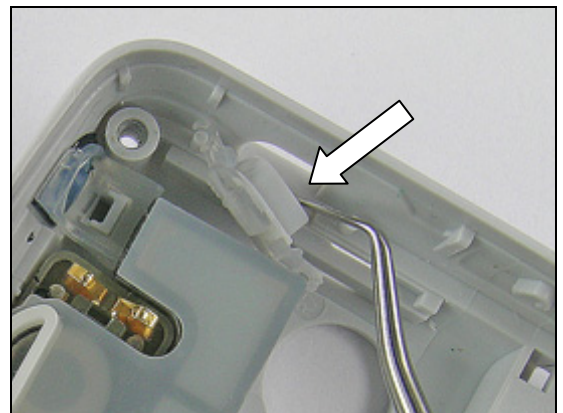
REMOVAL

Follow the 2.1.1 – 2.1.4 Disassembly instructions!

Use the dentist hook to unhook the *operator key assembly / volume key* from the frame.



Remove the *operator key assembly / volume key*.



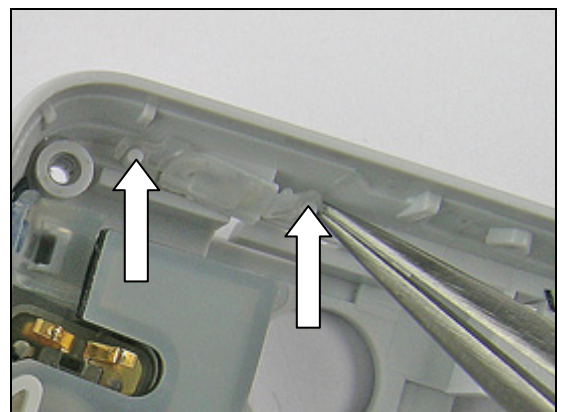
INSTALLATION

Use the tweezers to attach the *operator key assembly / volume key* by placing the knob in the notch.



Place the two ears behind the pins.

Follow the 4.1.3 – 4.1.5 Reassembly instructions!

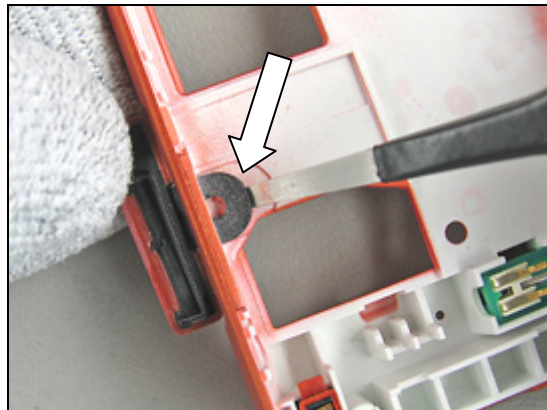


3.25 Memory Card Hatch (W200i only)

REMOVAL

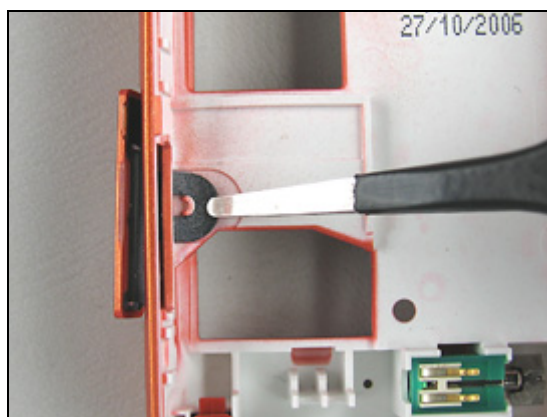
Follow the 2.1.1 – 2.1.4 Disassembly instructions!

Remove the *memory card hatch* with a blunt pair of tweezers and your fingers.



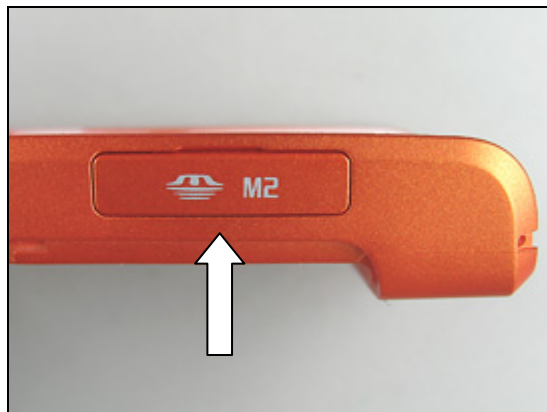
INSTALLATION

Reassemble a new *memory card hatch*.



Visually inspect that the *memory card hatch* correctly mounted.

Follow the 4.1.3 – 4.1.5 Reassembly instructions!





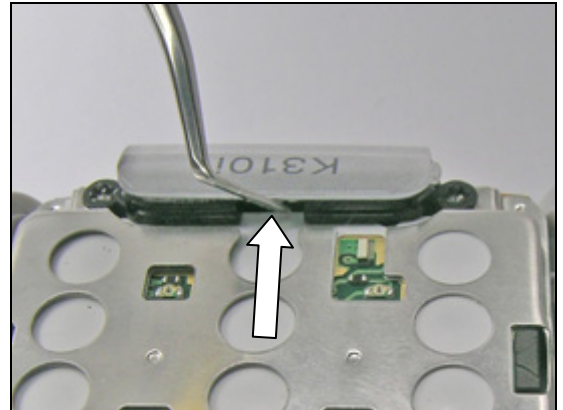
3.26 Operator Logo Assembly

REMOVAL

Follow the 2.1.1 – 2.1.5 Disassembly instructions!

BE CAREFUL NOT TO DAMAGE THE PHONE DURING THIS PROCEDURE!

Position the dentist hook in the notch of the UI module frame and remove the *operator logo assembly*.



INSTALLATION

USE A NEW OPERATOR LOGO!

Clean the surface with isopropyl alcohol.

Place the *operator logo assembly* on the UI module frame and press with your fingers for a few seconds to secure a good fit.

Follow the 4.1.1 – 4.1.5 Reassembly instructions!



3.27 Operator Key Label (K320 only)

REMOVAL

Remove the *operator key label* with great care using the dentist hook.



INSTALLATION

Attach a new *operator key label* and press on it for a few seconds to secure a good attachment.



3.28 Label

REMOVAL

Follow the 2.1.2 Disassembly instructions!

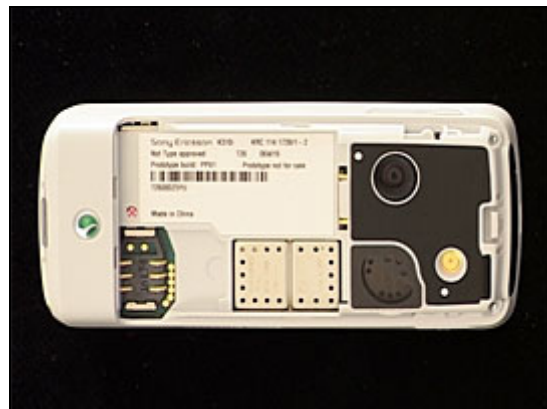
- Read the old *label* and/or write the information into the “Label make” program before removal
- Note the position of the *label* before removal
- Heat up the *label* by using hot air, if needed
- Carefully remove the *label* without causing scratches
- If there still are residues, clean the surface with isopropyl alcohol

INSTALLATION

- Check that the proper *label* format is loaded in the Zebra printer
- Write a new *label* by using the program “Label make” and check that the printing is OK
- Take the new *label* and place it onto the frame as in the adjacent picture

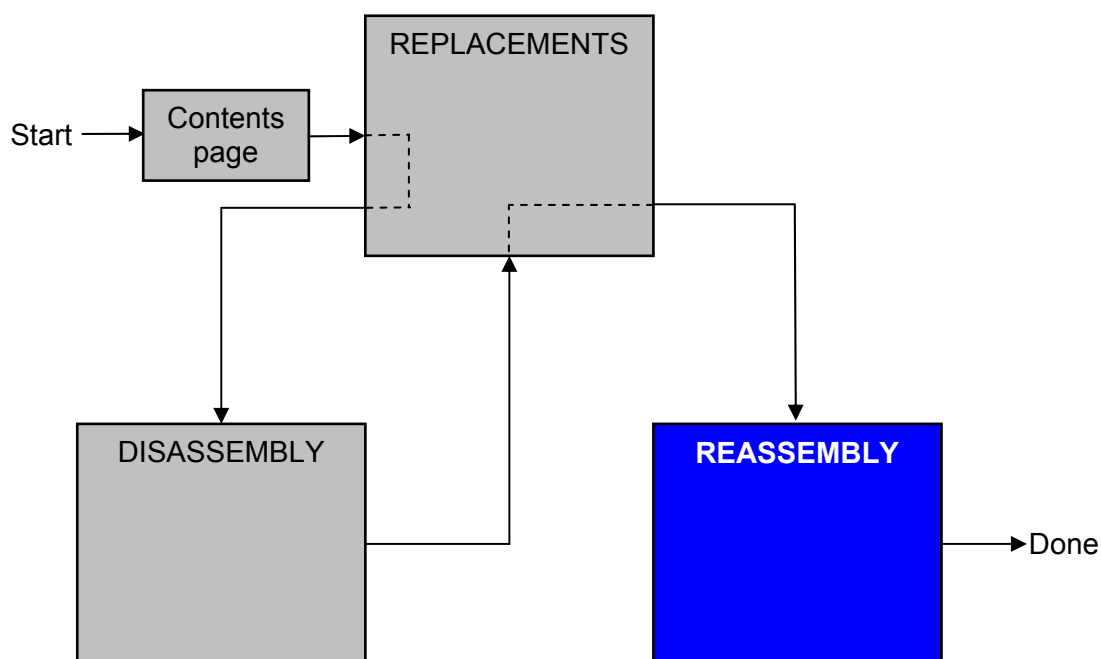
ONE LABEL ONLY IS ALLOWED!

Follow the 4.1.5 Reassembly instructions!



4 Reassembly

After replacing a part being listed in Replacements, the instruction of that section usually ends by directing you to this Reassembly section with a specification of the instructions you have to carry out in order to reassemble the phone.



4.1 Overview

The reassembly is done in the following sequence:

1. Keypad PWBA asm
2. Metal Frame asm
3. PBA unit
4. Front Cover asm
5. Battery (a) and Battery Cover (b)



4.1.1 Keypad PWBA Assembly

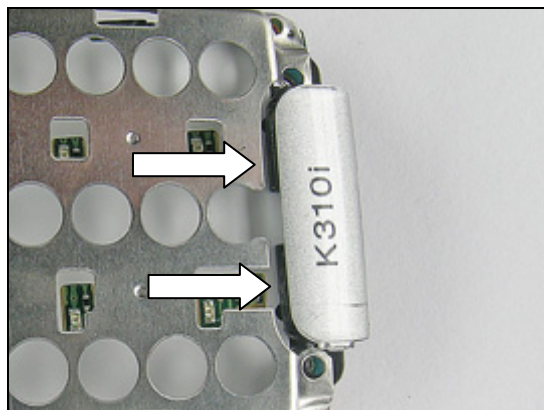
Place and press the *keypad PWB assembly* onto the PBA.



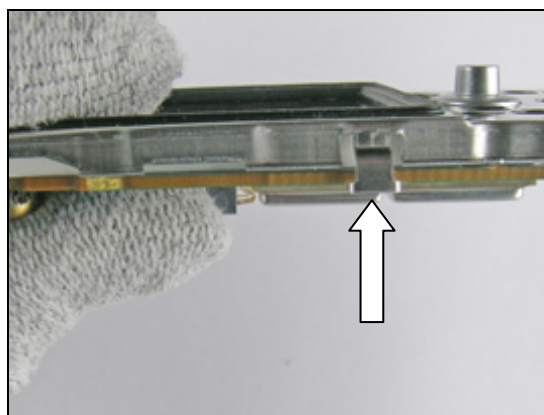
4.1.2 Metal Frame Assembly (K320 only)

THESE INSTRUCTIONS ARE UNIQUE FOR K320. THE METAL FRAME INSTRUCTIONS FOR W200 ARE STATED IN CHAPTER 4.1.3!

Carefully slide the *metal frame assembly* under the operator logo.



Press on the *metal frame assembly* to secure it to the PBA.

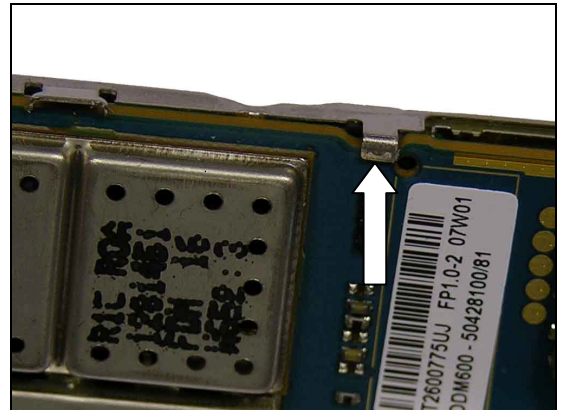




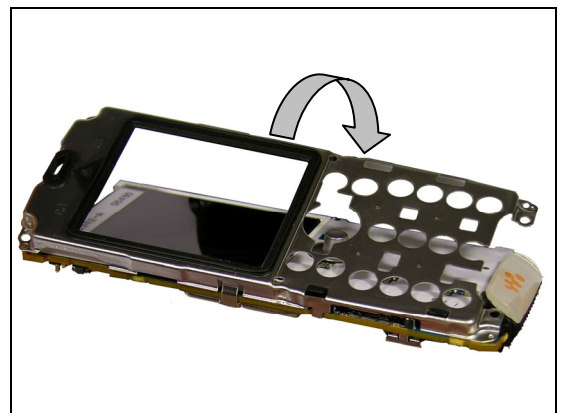
4.1.3 Metal Frame Assembly (W200 only)

THESES INSTRUCTIONS ARE UNIQUE FOR W200. THE METAL FRAME INSTRUCTIONS FOR K320 ARE STATED IN CHAPTER 4.1.2!

Position the *metal frame assembly* onto the PBA.



Grab the *metal frame assembly* at the top and carefully fold it down and snap fit them together.



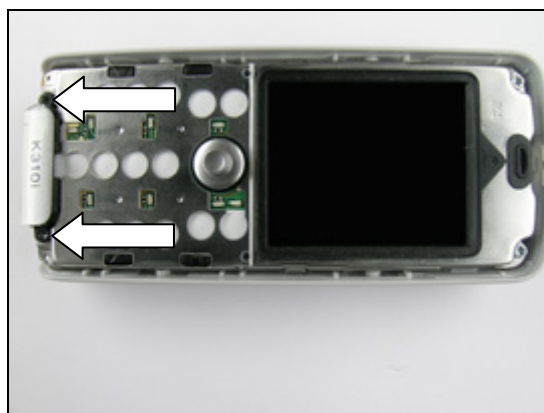
4.1.4 PBA Unit

Place the top of the *PBA unit* into the top of the *frame* (1) and then lower the bottom part (2) until the *PBA unit* rests on the inside of the *B-Cover Assembly*.



USE NEW SCREWS!

Use Torx bit no 6 with torque 17 Ncm to tightening two long black screws.



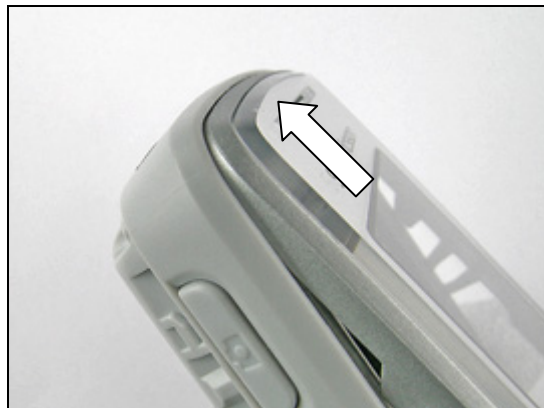
USE NEW SCREWS!

Use Torx bit no 6 with torque 17 Ncm to tightening two short silver screws.

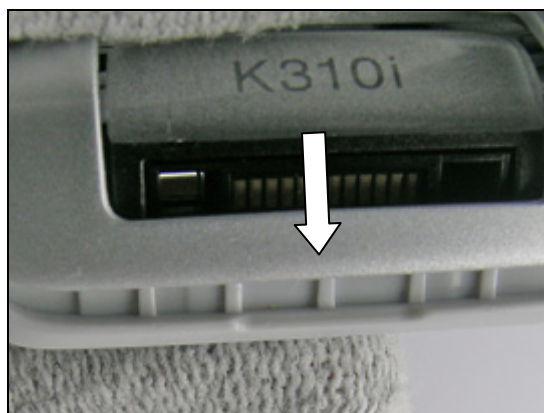


4.1.5 Front Cover Assembly

Carefully place the *front cover assembly* at the top of the *frame*.



Start at the top and continue towards the bottom by pressing on the *front cover assembly* to make it snap to the *B-cover assembly*.



Visually inspect that the *front cover assembly* is correctly mounted on the B-Cover Assembly.

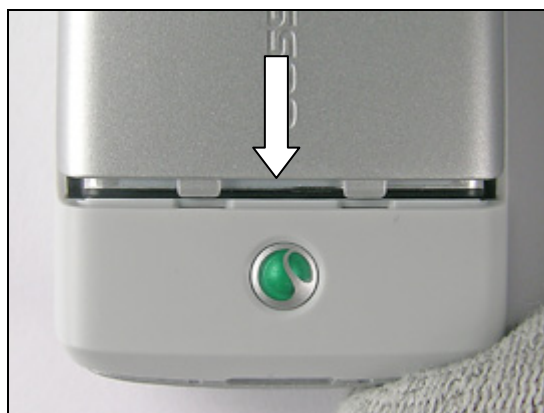


4.1.6 Battery & Battery Cover Assembly

Insert the *battery*.



Place the *battery cover assembly* on top of the *battery* and push towards the bottom of the phone to secure it.



Visually inspect that the *battery cover assembly* is correctly mounted on the B-Cover Assembly.





5 Revision history

Rev.	Date	Changes / Comments
A	2006-10-10	First release
B	2007-03-22	W200 phone added
C	2007-03-26	Due to system problem. No changes made on content.
D	2007-06-08	Document updated