U6

Design Overview

**Mini USB Connector
(Power, Audio, Data)**

**176 x 220
65k TFT
Display**

**CSTN
96 x 32 CLI
BW**

**Volume up
/down key**

**Voice Recognition/
Voice note Key
(Smart Hands Free)**

**VGA
Digital
Camera**

Camera / Smart key

Key Features

Features Sets: Downloadable themes (ringer tones, images, animations)

Rich, pre-loaded or downloaded J2ME™ games, screen savers and PIM functionality with Picture Caller ID

Voice memo & enhanced predictive text

Audio Capability: 22 KHz polyphonic speaker

Navigation: Dedicated Operator Key

Messaging: MMS, EMS 5.0, IM Wireless Village, Email: POP3, SMTP, IMAP4

Camera: Integrated VGA digital camera

Video: Video Capture MPEG4 (H.263, 7.5 fps default), Video Playback MPEG4 (15 fps)

PTX: N.A

Enablers

|	
Operating System:	J2ME™ MIDP 2.0 / CLDC1.1 plus API's, Software Skins Phase 1
GPRS:	Class 10
EDGE:	Not at launch! (planned in refresh version)
Connector:	Enhanced Mini-USB
Browser:	WAP 2.0 (WSP/HTTP 1.1, WTCP/IP, xHTML Mobile Profile, WCSS, Cookies, WTLS class 3, TLS 1.0/SSL 3.0)
Codec:	MP3 ring tones, MPEG4 encode and decode
Bluetooth™:	Class 2

Specifications

SA Dates:	August 2005
Form Factor:	Clamshell with unique hinge mechanism
Dimensions:	~72 cc ~ 105g ~49 x 86.5 x 20mm
Display:	176x220 262K colours, TFT, 96x32 BW external CLI
Memory:	5 megabytes of embedded end user memory and 4.5 megabytes of preloads
Antenna:	Internal
Battery:	740 mah LiIon
GSM Bands:	GSM/EDGE 900/1800/1900, GSM/EDGE 850/1800/1900
Talk Time/ StandBy Time:	TT: Est. 204-400 mins, SBT: Est. 156-250 hrs

Enhanced User Interface
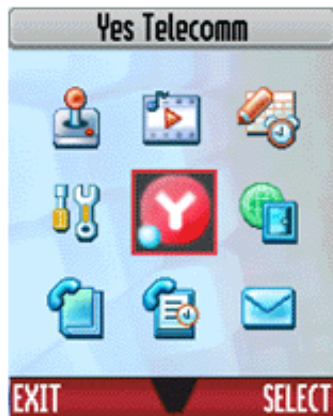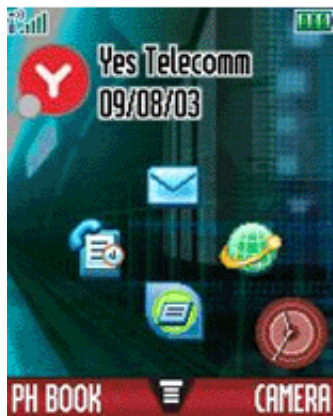
PERSONALIZE your application shortcuts on Idle and Main Menu. Take pictures and use as your wallpaper/screensaver

Take pictures and save in your phonebook and see with Picture Caller I.D.

Compelling Preloaded
and Downloadable Ring Tones:

List MIDI and MP3 Ringtones here…

MMS support:

List MMS support features here…

Accessories

Other New

Bluetooth Headset H500

Bluetooth Handsfree Pendant HS830

Mobile PhoneTools with Data Cable

Bluetooth Headset H700

Bluetooth Headset H600

Bluetooth Headset H300

Signature

Rapid Travel Charger CH710

Battery

Charger Adapter CH706

High Performance Car Charger VC700

Smart Car Kits with Smart Cables

Travel Charger CH700

One Touch Headset HS700

Bluetooth USB PC Adapter PC850

USB Data Cable

Bluetooth Headset HS850

Bluetooth Headset HS820

Bluetooth Headset HS805

Bluetooth Car Kit HF820

Bluetooth Helmet Headset HS830

Bluetooth Car Kit HF850

Carry Cases

Disassembly Instruction

Disassembly

Step 1: Remove 4 screws from the
back of the phone.
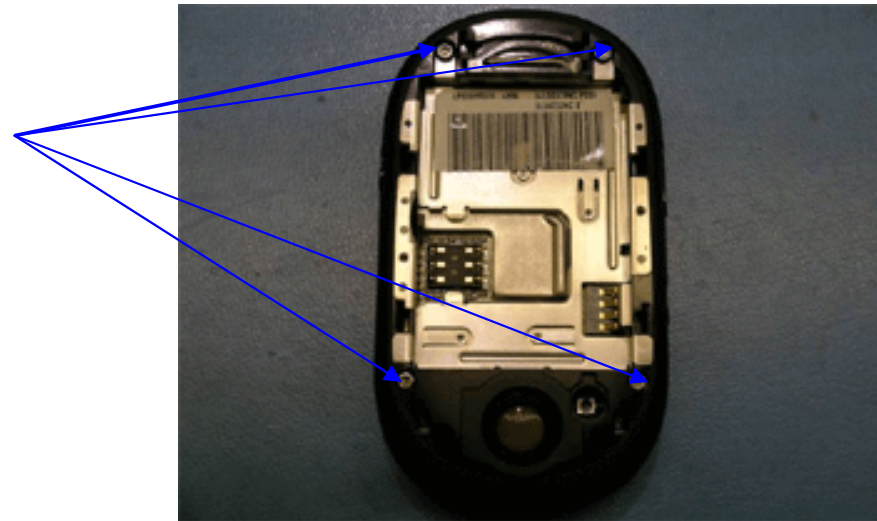
Step 2: Hold assembly vertical as
shown in Fig. 2. The XCVR
housing is loose near the Hinge
barrel. Note DO NOT PUSH
side buttons in during
disassembly procedure.

Disassembly

Step 3: Securely hold the flip
assembly and the top portion of
the XCVR housing as shown.

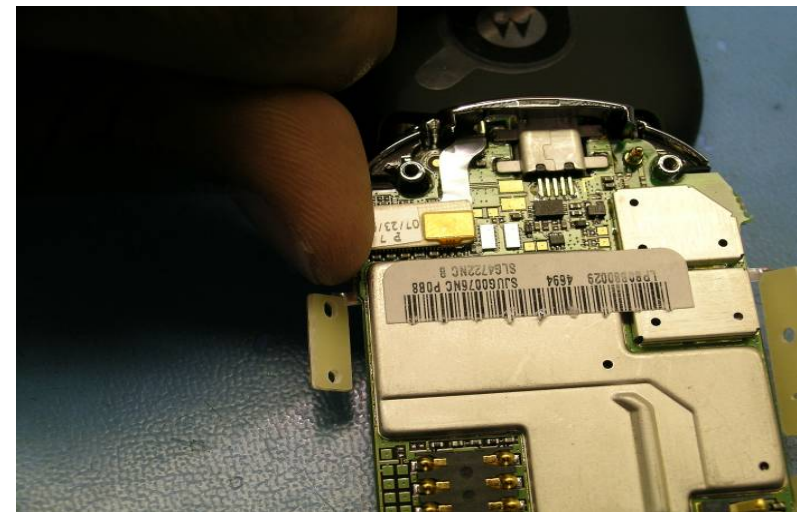Step 4: Rotate and then pull the
XCVR Housing away from flip
as shown.

Disassembly

Step 5: Place the flip assembly with the PCB attached down in the open position. The Keypad/Front housing assembly is loose and can be removed from the assembly. Note: Do not fully close the assembly when the XCVR housing is not attached.
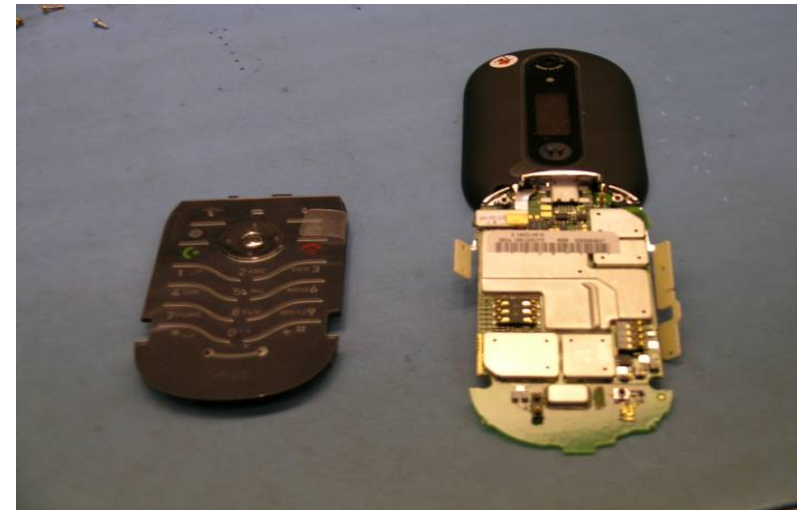
Step 6: Disengage the Flip assembly flex from the PCB.

Disassembly

Step 7: Rotate the PCB from the flip assembly.
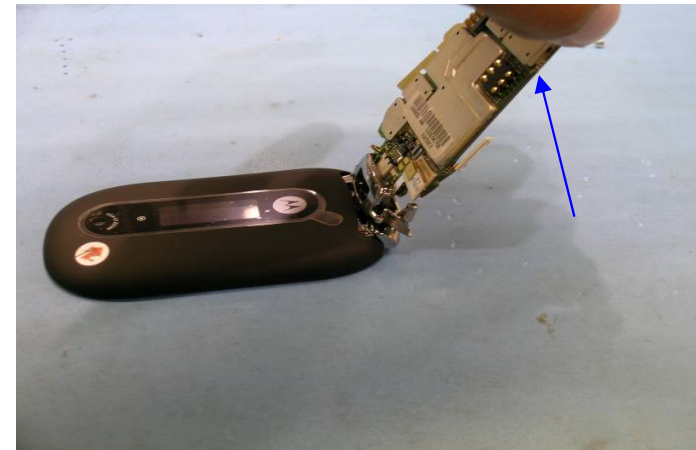
Step 8: Remove the side button flex from the PCB by peeling up slowly to allow adhesive to pull up as well. Note: Side button flex will not be re-used.
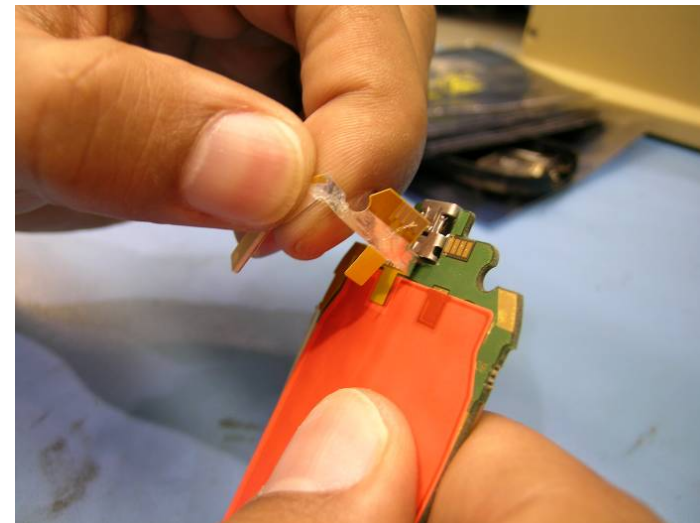
EL/Mylar Disassembly

Step 9: Place Kapton tape over the Light sensor and Mic hole as shown. Note: EL/Mylar panel will not be reused.
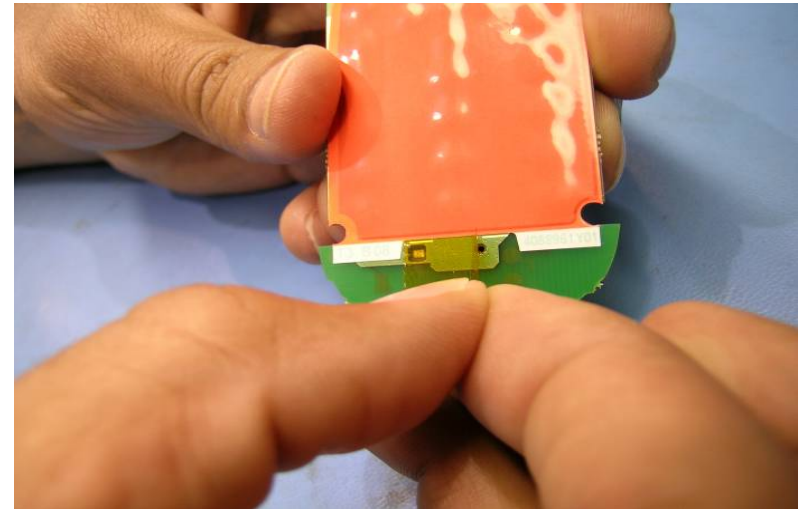
Step 10: Starting from the top corner, lift the EL/Mylar assembly and peel slowly along the edge. Try not to tear the EL/Mylar for easier removal. In some cases the Panel tears peel the remaining material off. A black stick may be used to scrap the remaining material off.

EL/Mylar Disassembly

Step 11: There will be adhesive remaining on the board. Using Alcohol and a clean wipe, rub against the PCB area in a circular motion to remove excessive material.
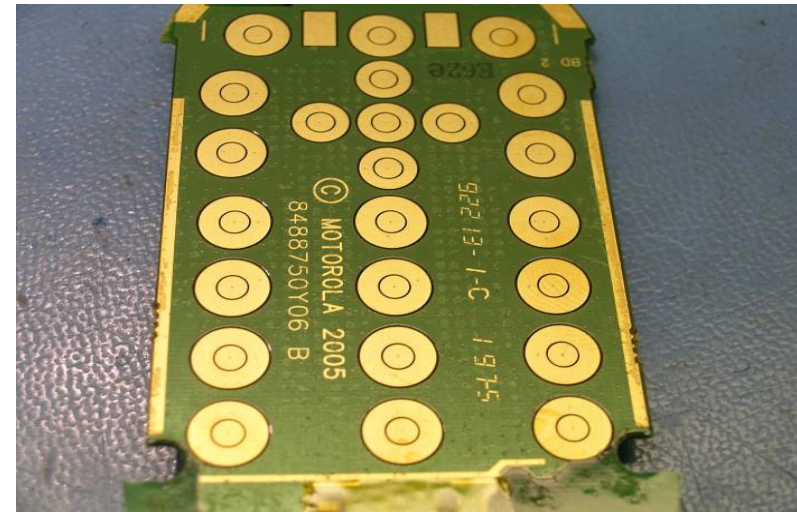
Step 12: Use a dry portion of the wipe to wipe away the remaining alcohol from the PCB.

EL Mylar /
Assembly Instruction

MOTOROLA
intelligence everywhere™

EL/Mylar Assembly

Equipment/Material:

1)   1 EL/Mylar Fixture

2)   1 PCB panel (4 boards)

3)   4 El/Mylar

Step 1: Remove EL/Mylar
   adhesive liner from back side
   of Mylar
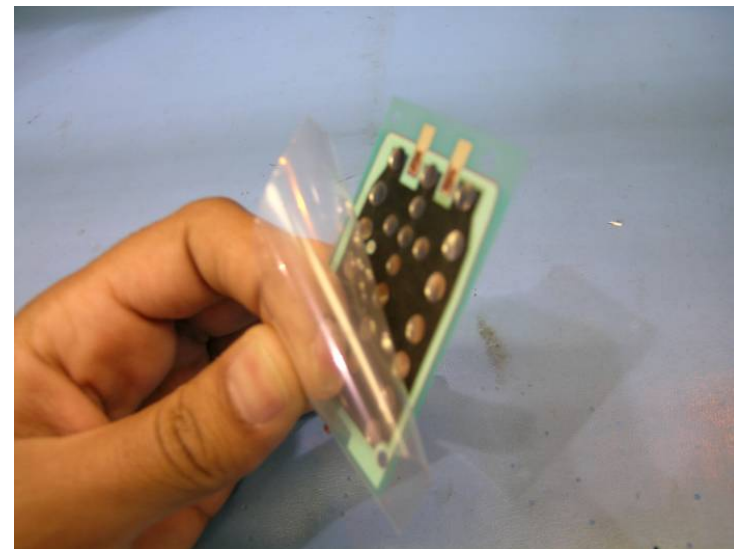
EL/Mylar Assembly

Step 2: Place El/Mylar onto fixture as shown. El/Mylar outer liner is aligned with fixture posts.
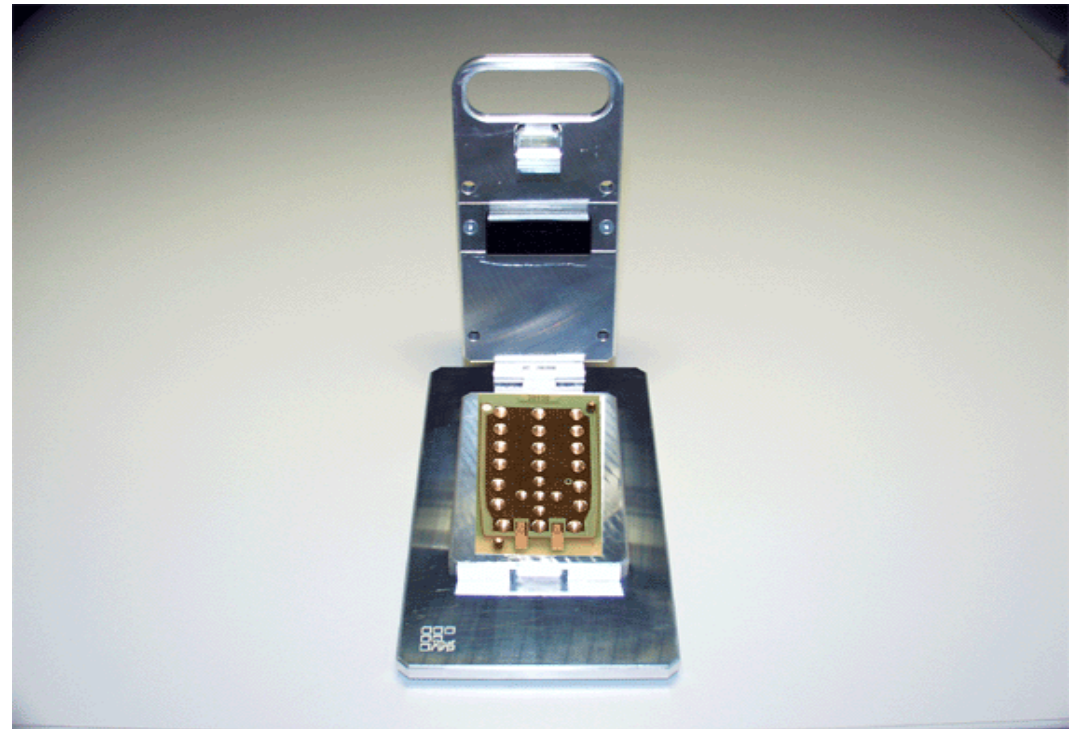
EL/Mylar Assembly

Step 4: Place the PCB panel and align to fixture, use the same alignment posts as the EL/Mylar.

Step 5: Pull the handle down and apply pressure on the panel until the PSA spring loaded pins are fully compressed. Hold for 5 seconds and release.

EL/Mylar Assembly

Step 6: Remove the PCB
vertically from fixture and turn
over. Rub finger over the Mylar
to ensure the adhesive is set.
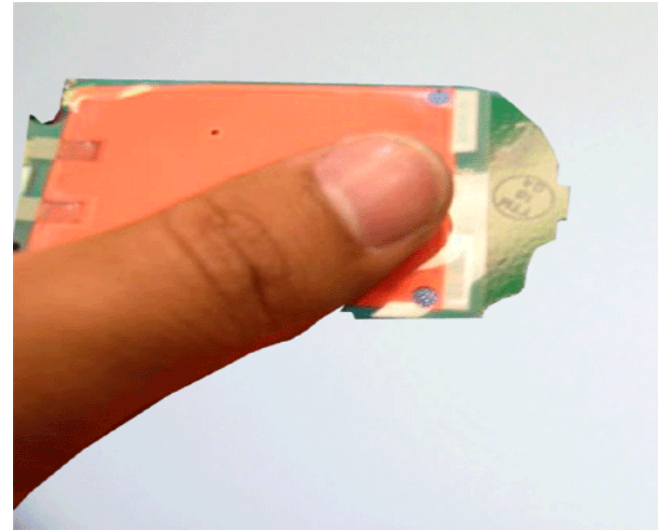
Step 7: Remove liner from
bottom right corner.
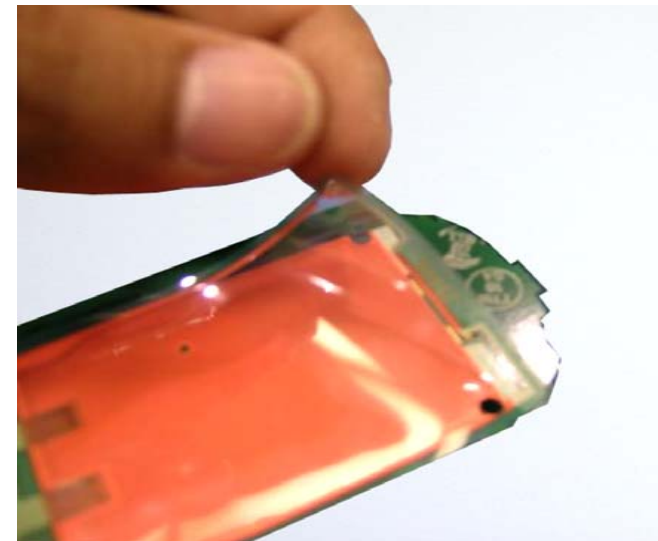
EL/Mylar Assembly

Step 8: As final step Rub finger
over the Mylar to ensure the
adhesive is set.

Side Button Flex Assembly

Equipment/Material:

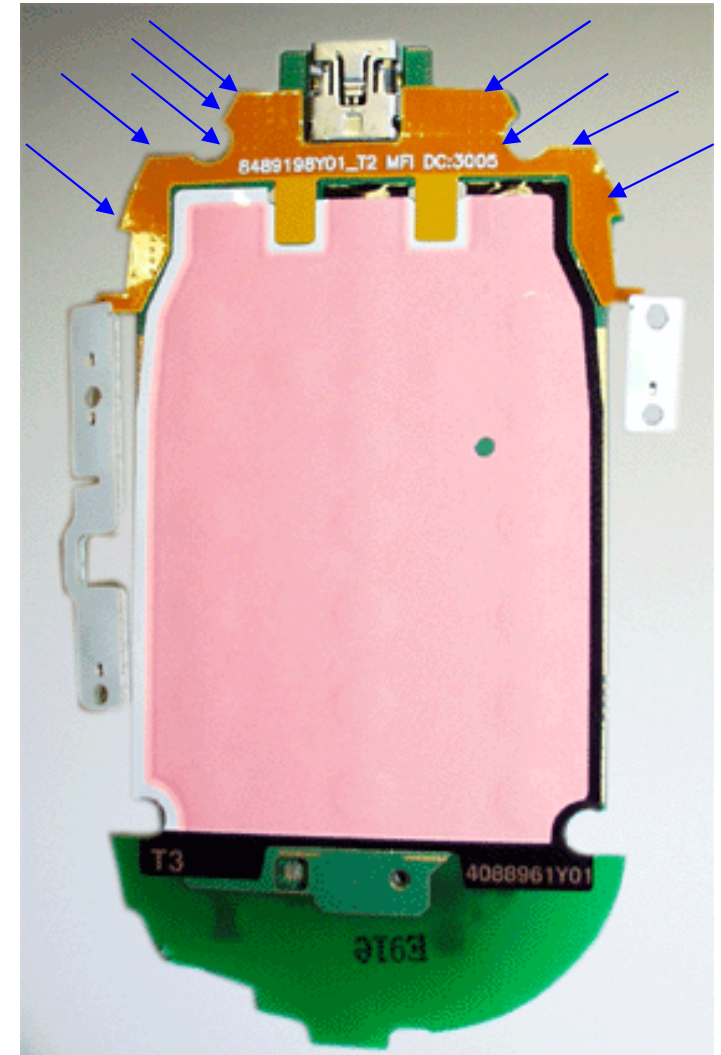1) 1 Side flex fixture

2) 1 Side flex assembly

3) 1 PCB

Step 1: Remove Liner from
   back of the side flex
   assembly using pull tab.
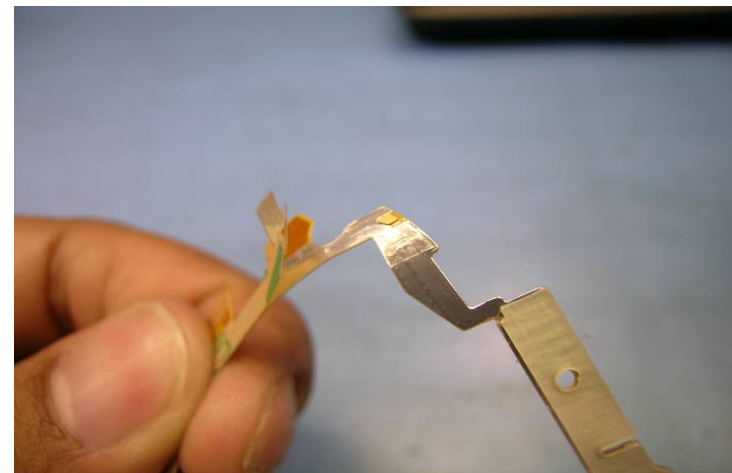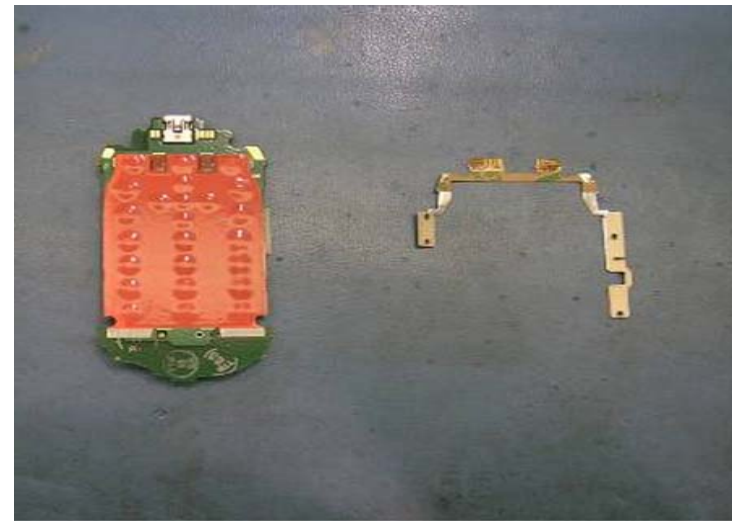
Side Button Flex Assembly
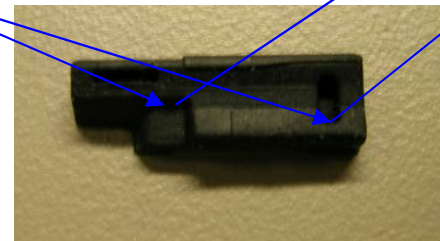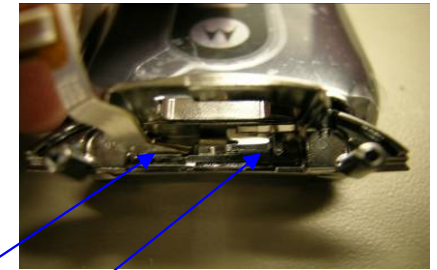
Step 2: Align the flex around the top corner .

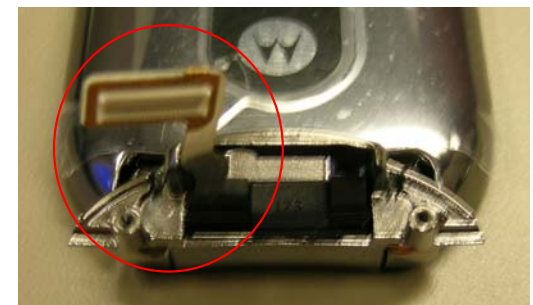Rub finger over the liner to ensure the adhesive is set.

Side Button Flex Grommet to Flip Assembly

Step 3: Insert grommet in the hinge barrel opening. Align the locating feature inside of hinge barrel (fig. 2) with cut out area in grommet (fig. 3).

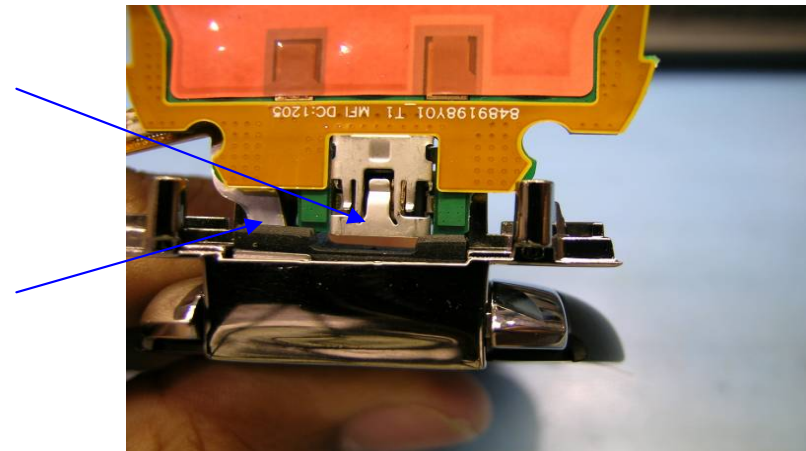**Step 4:** Verify Flex is towards the inside of the hinge barrel as shown in the picture.

XCVR to Flip Assembly

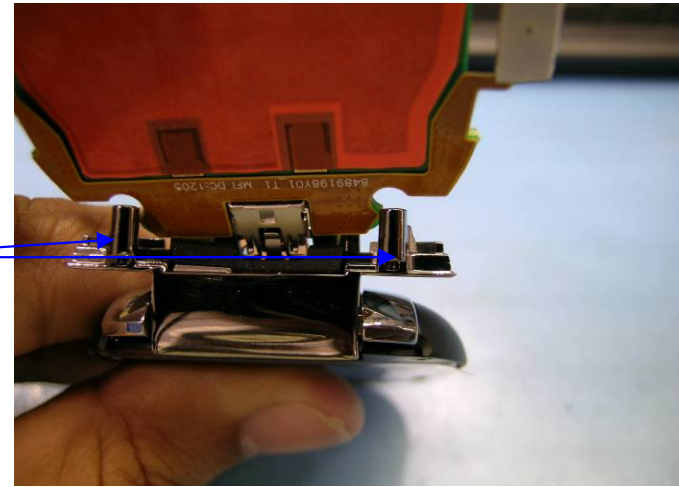Equipment/Material:

1) 1 PCB

2) 1 Flip

Step 1: Insert PCB into the
Hinge Barrel opening at a 90
degree angle as shown. Use
grommet's USB recess area
to align the board. Note:
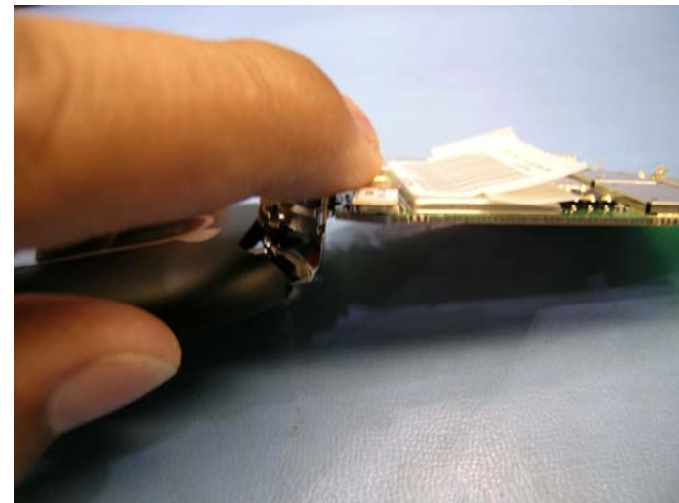Hinge flex should be at the
left of the board out of the
way.

XCVR to Flip Assembly

Step 2: Rotate the PCB into position connect the Hinge flex. Note: By rotating the PCB it allows clearance for the PCB boss cutouts to clear the bosses.

Step 3: Connect the Hinge flex.

Note: Do not close flip. This may cause Hinge to lock up if over traveled.

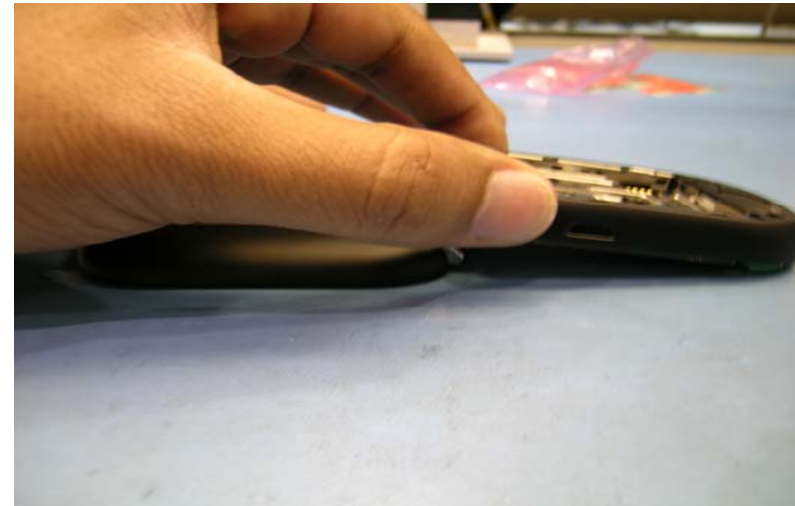# XCVR Housing to Flip/PCB Assembly

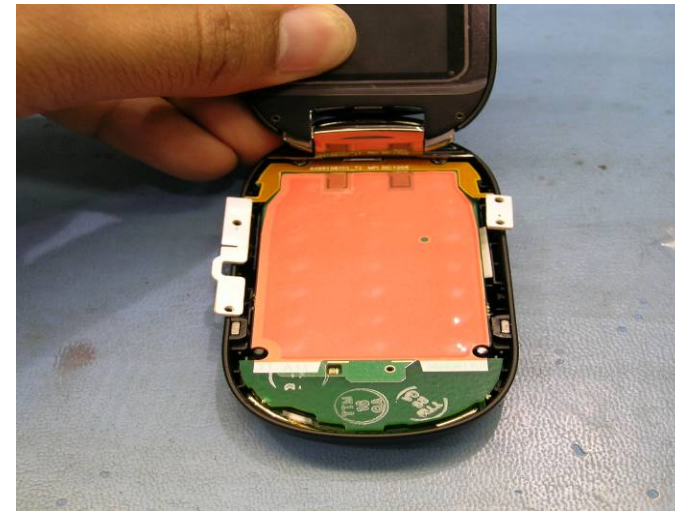Equipment/Material:

1) 1 Rear Housing

2) 1 Flip/PCB assembly

Step 1: Horizontally place Rear housing into the Hinge barrel of the flip/PCB assembly.

XCVR Housing to Flip/PCB Assembly

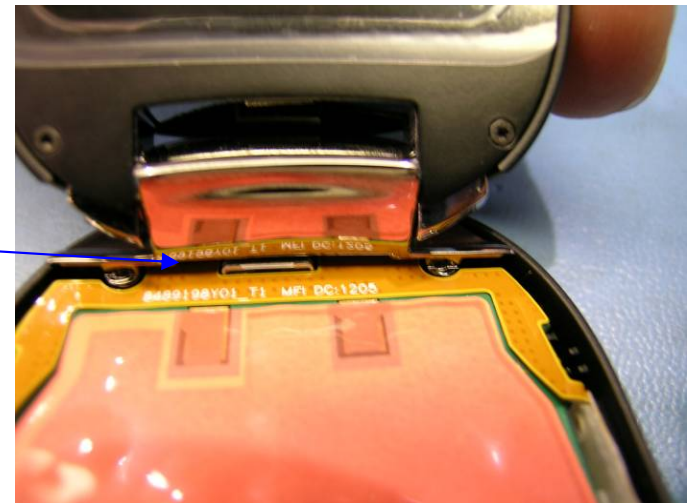**Step 2:** Hold unit firmly and turn over.

Step 3: Assemble the side button flex assembly into rear housing assembly and behind the preassembled buttons.
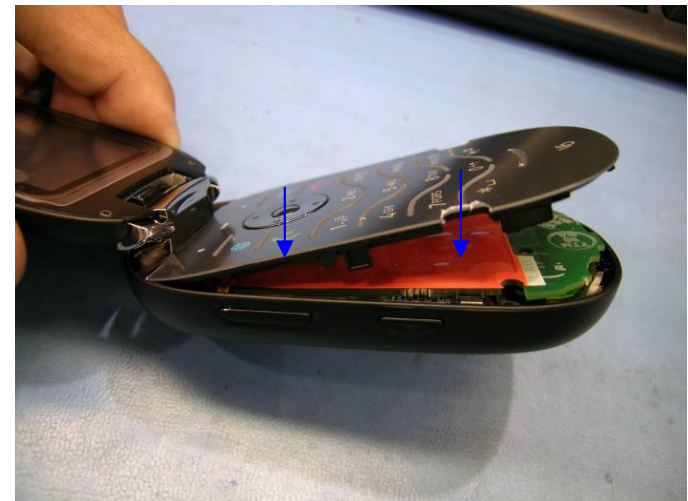
XCVR Housing to Flip/PCB Assembly

Step 4: Attach the front housing by inserting the Front housing tabs beneath the hinge barrel opening.
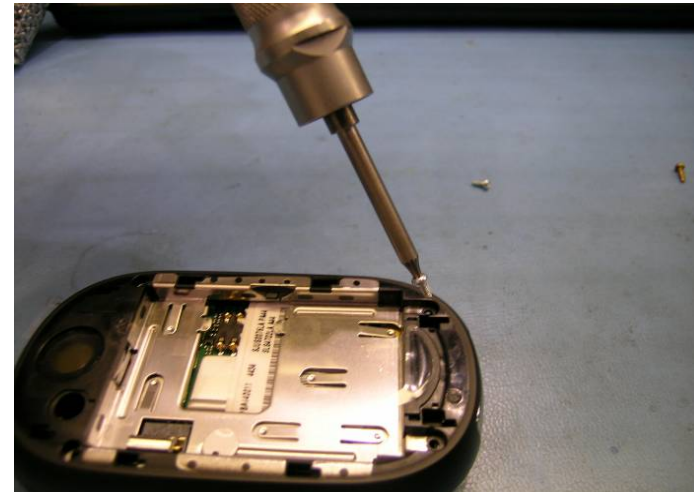

Step 5: Ski boot front housing/keypad assembly down and snap into place.

XCVR Housing to Flip/PCB Assembly

Step 6:Turn assembly to the rear and insert in (2) Machine screws into the hinge barrel area.

Step 7: Insert (2) self threading screws into rear housing to the front housing.