

Programmes After Market Services NHP-2 Series Transceivers

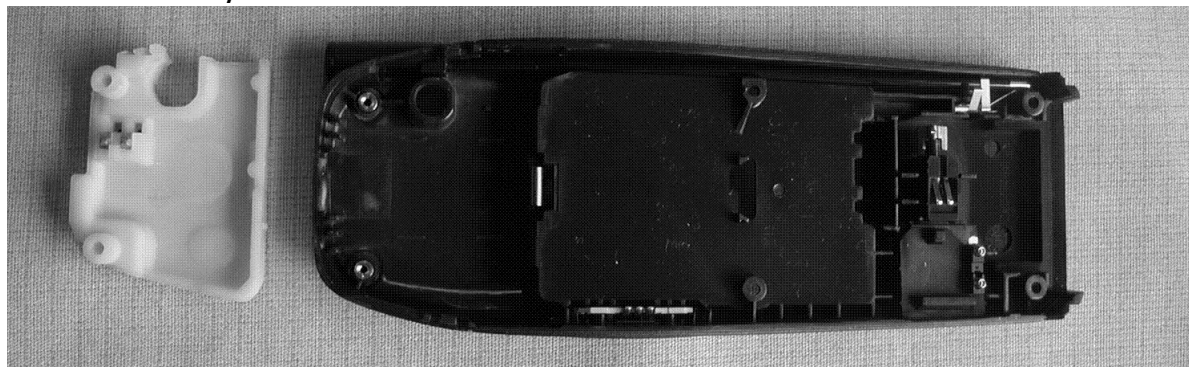
Assembly

Assembly of the NHP-2

6385 Disassembled to component level



D-cover assembly with the internal antenna



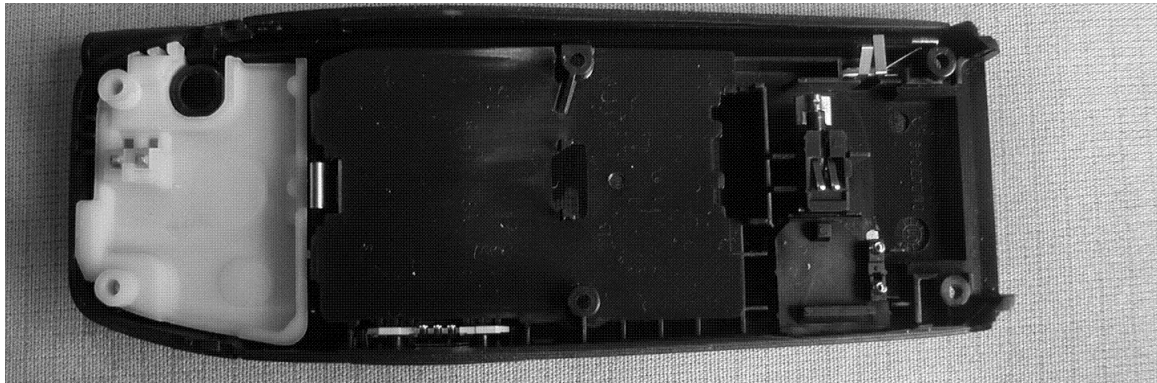
Begin with the D-cover assembly and its components, as shown above.

1. Add antenna.



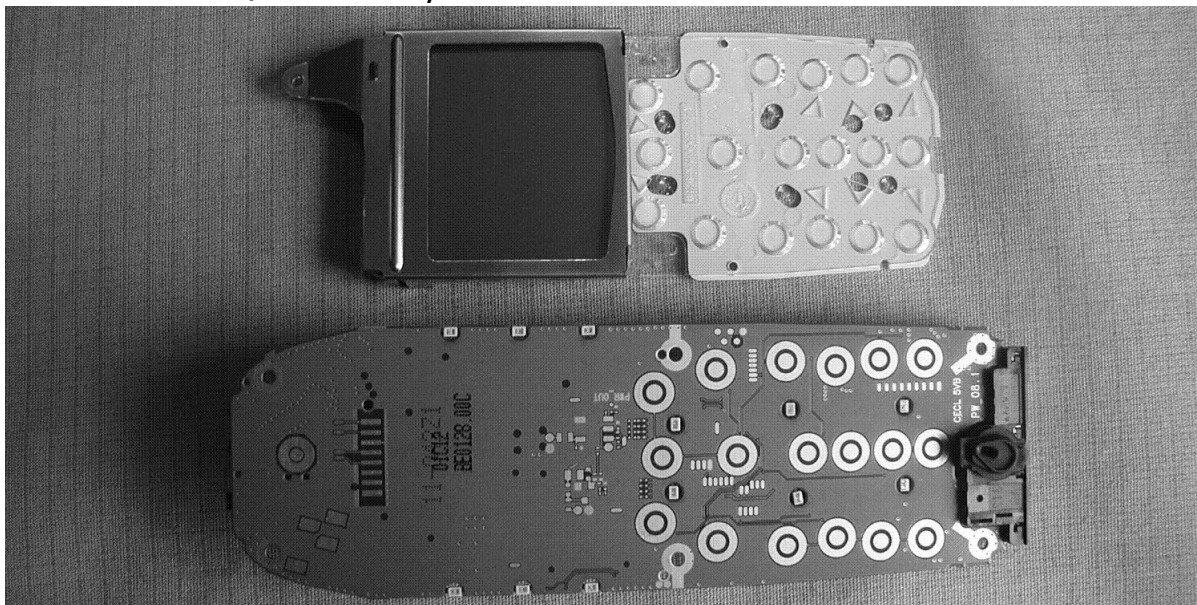
Grasp the outer edges of the antenna as shown, being careful *not* to touch any of the metal-plated contact areas on the antenna. Simply drop the antenna into the opening at the top of the inside of the D-cover assembly.

D-cover assembly with added components



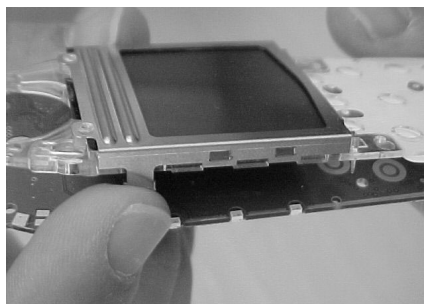
Shown above is the D-cover assembly, with the antenna attached.

Disassembled PWB/LCD assembly



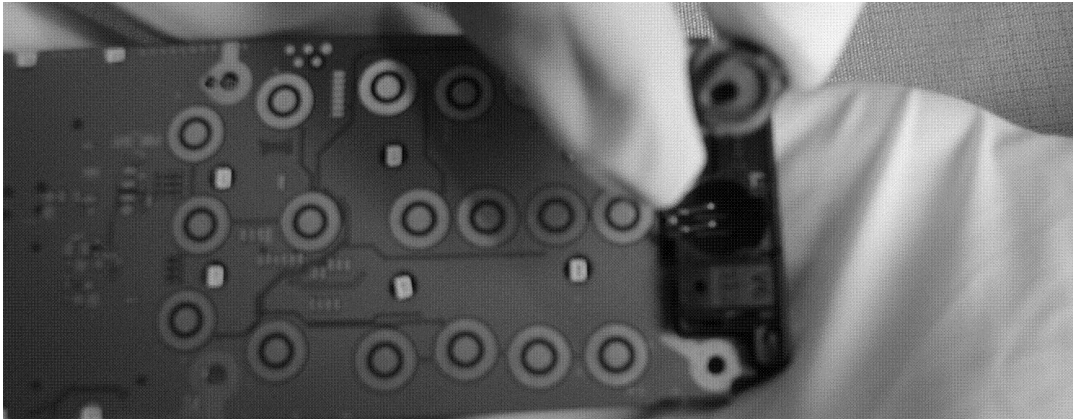
The next step is to assemble the PWB and LCD assemblies.

2. Add LCD assembly.



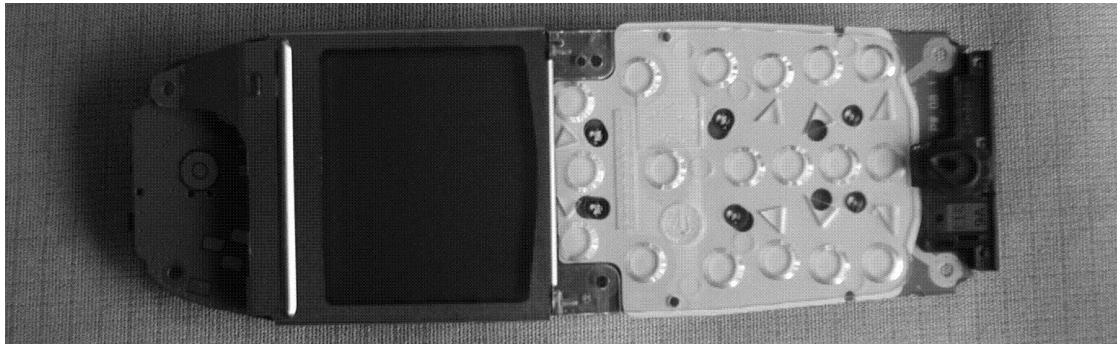
To assemble the LCD assembly to the PWB assembly, first align the guide pins with the holes in the PWB, as shown above. Next, push on the top of the metal frame until the snaps on the metal frame are engaged.

3. Place the microphone assembly.



Insert the microphone assembly into the system connector at the bottom of the PWB assembly. The small tab should be oriented toward the lightguide, as shown above. Press on the top of the microphone assembly to seat the rubber in the cavity.

PWB/LCD assembly



The LCD assembly now is attached to the PWB assembly and the microphone assembly is in place.

D-cover assembly and PWB assembly



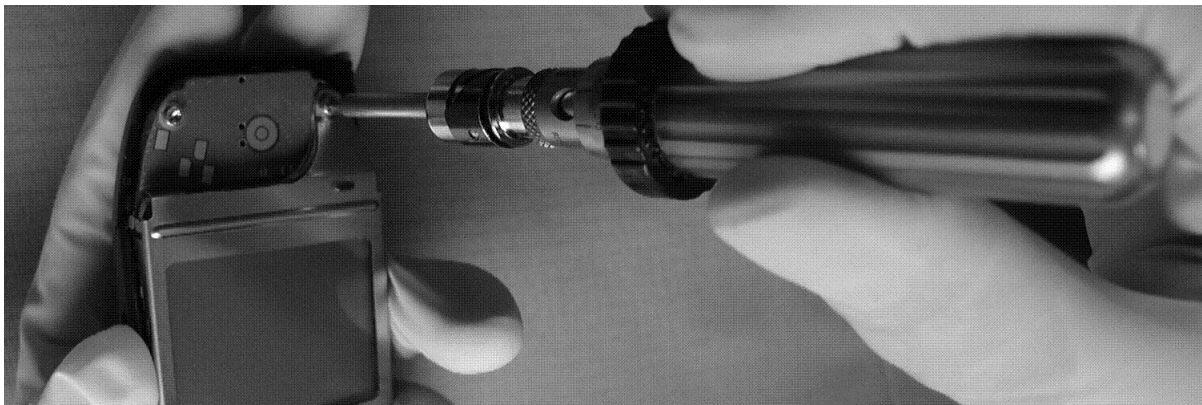
The PWB/LCD assembly now is ready to be installed into the D-cover assembly.

4. Add PWB/LCD assembly to D-cover assembly.



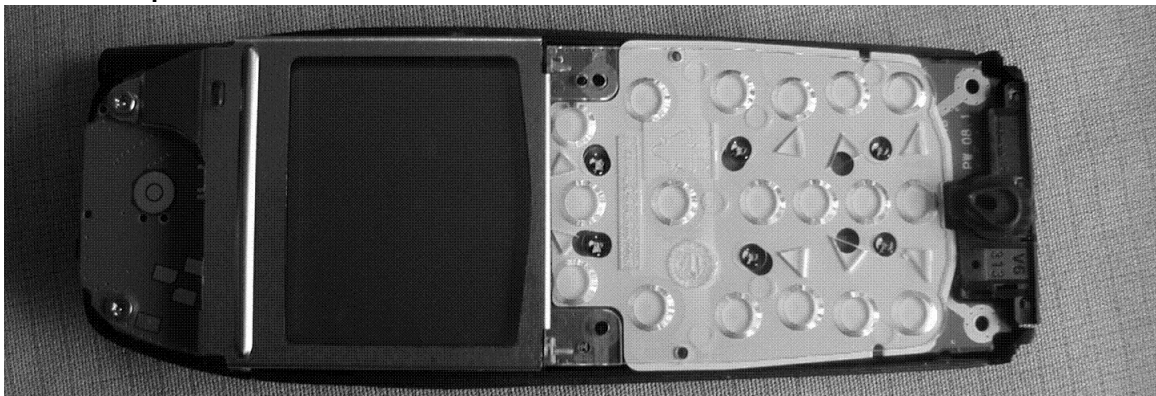
Insert the PWB/LCD assembly into the D-cover assembly by aligning the system connector cutouts with the bottom D-cover bosses.

5. Add screws to the LCD/PWB assembly.



Insert the two 10mm long screws in the top of the phone through the lightguide holes as shown above. Torque the screws down to the specified torque value (16.9 N-cm or 23.9 in-oz) with a torque-limiting screwdriver or a pre-set pneumatic screwdriver.

Assembled phone without A-cover



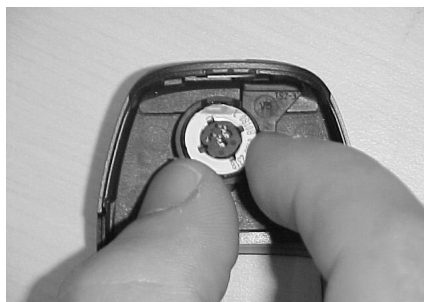
Above is the phone with the D-cover, LCD, and PWB assemblies attached.

A-cover side of phone (disassembled)

Shown above is the painted A-cover assembly, keymat assembly, speaker, and speaker gasket/power key.

6. Add speaker gasket/power key.

Insert the speaker gasket/power key into the A-cover assembly by aligning the power key portion with the cutout in the IR window on top of the phone. Insert the key into the hole and then seat the speaker gasket portion onto the ribs in the A-cover.

7. Add speaker.

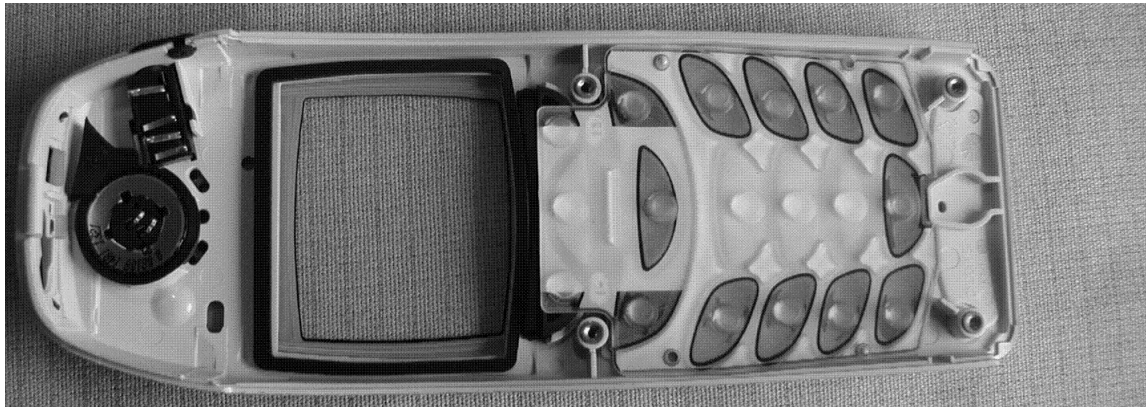
Insert the speaker into the gasket in the A-cover. **DO NOT TOUCH THE SPEAKER SURFACE OR SPRINGS.**

8. Add keymat.



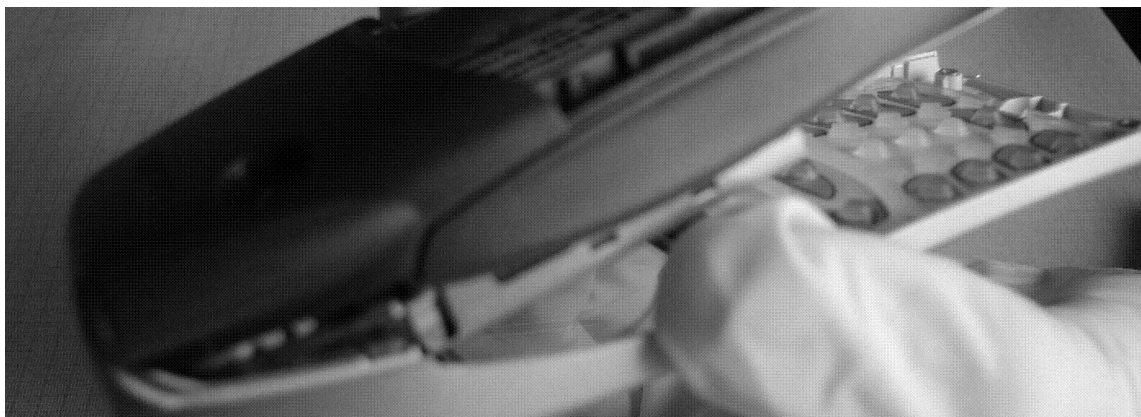
Insert the keymat assembly into the A-cover assembly by aligning the keys in the keyhole cutouts in the A-cover and slipping it into place.

A-cover assembly with keymat and speaker installed



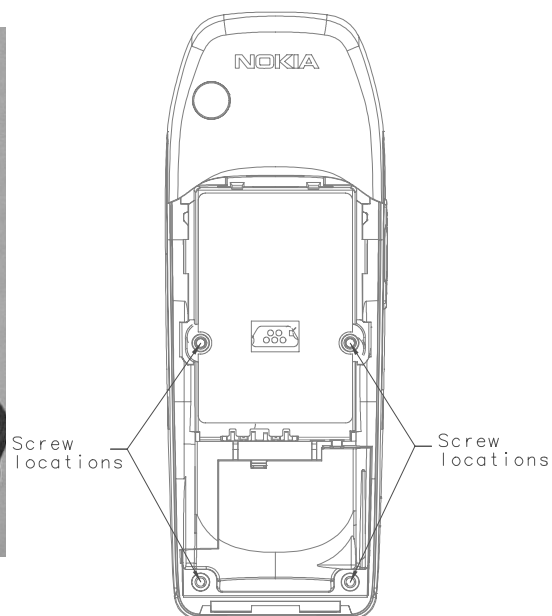
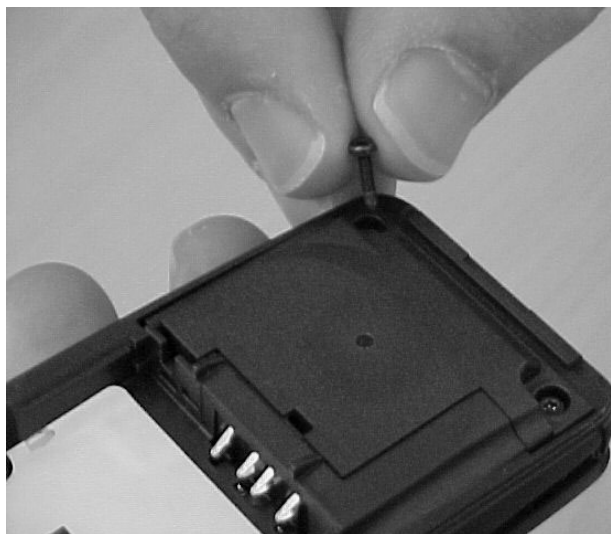
Shown above is the A-cover assembly with the keymat, speaker, and speaker gasket/power key installed.

9. Add D-cover side of phone to A-cover side.



While holding the A-cover face up, place the D-cover side of the phone into the A-cover by aligning the PWB snaps at the bottom of the D-cover with the cutouts in the A-cover. Press on the top of the phone until a distinctive snap sound is heard, which ensures proper snap engagement.

10. Add screws to the back of the phone.



Backside of Phone

Add screws to the backside of the phone in the locations indicated above.

11. Torque down screws.



Torque the screws down to the specified torque value (16.9 N-cm or 23.9 in-oz) with a torque-limiting screwdriver or a pre-set pneumatic screwdriver.

12. Add battery.



Insert the battery into the battery recess in the back of the phone by first aligning the pegs in the bottom of the D-cover with the cutouts in the bottom of the battery. Press the battery firmly into place.

13. Add battery cover.



Insert the battery cover onto the back of the phone to where the tab at the top is just below the cutout in the D-cover. While applying pressure, push the battery cover upward until the locking features snap into place.