



NEC Solutions (America), Inc.

Removing the PowerMate 2000 Series LCD Bezel

Topic: this procedure will provide general instruction on how to gain access to the PowerMate 2000 series LCD assembly internal components by removal of the LCD bezel. Following the procedures described below in their entirety will ensure that potential damage to the bezel and/or base plastics will be avoided.

Tools needed: Technician's Plastic Flat-tip Screwdriver (see Figure 1.2 below).

Procedure:

Step 1: insert the plastic screwdriver into one of the outer LCD Bezel separation tabs (see figure 1.1). Insert screwdriver at an angle as shown in figure 1.2, and carefully pry outward on the LCD bezel so that it separates from the LCD base.

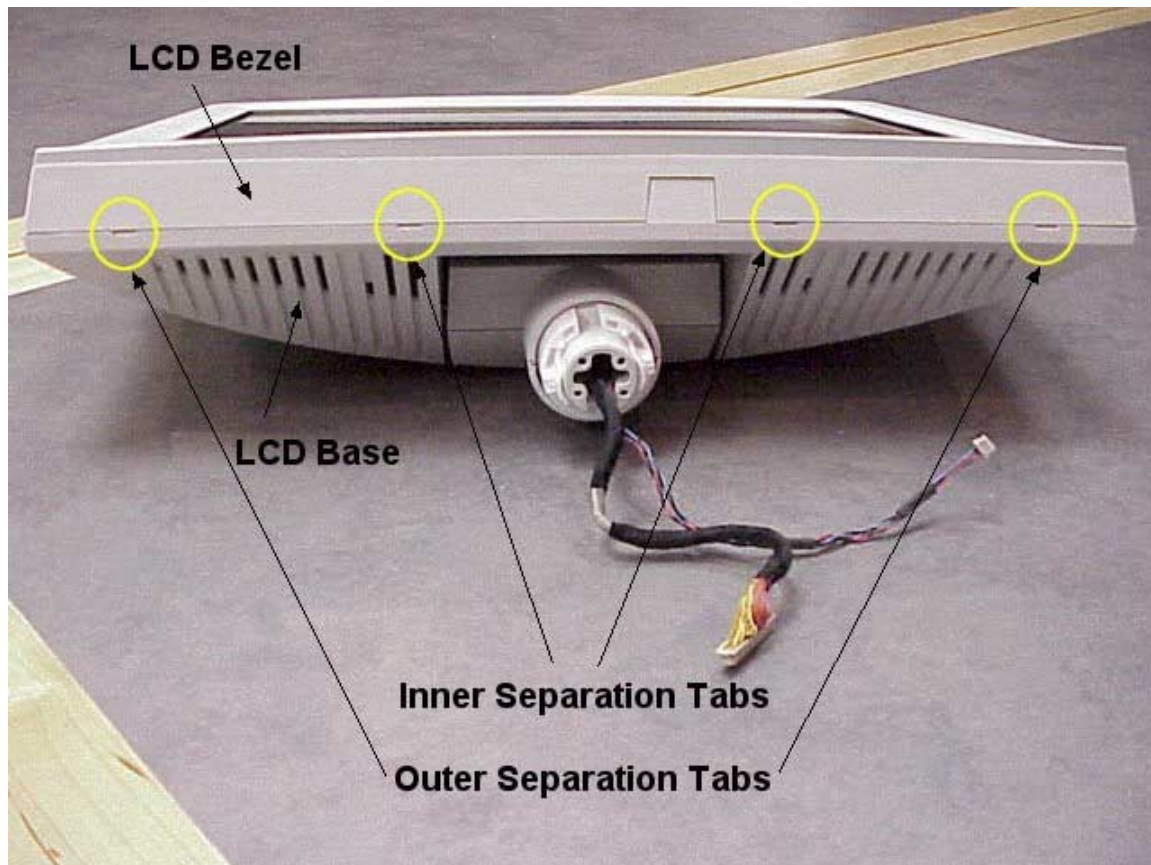


Figure 1.1: Location of the 4 LCD Bezel separation tabs. Note: LCD assembly separated from unit base for clarity.

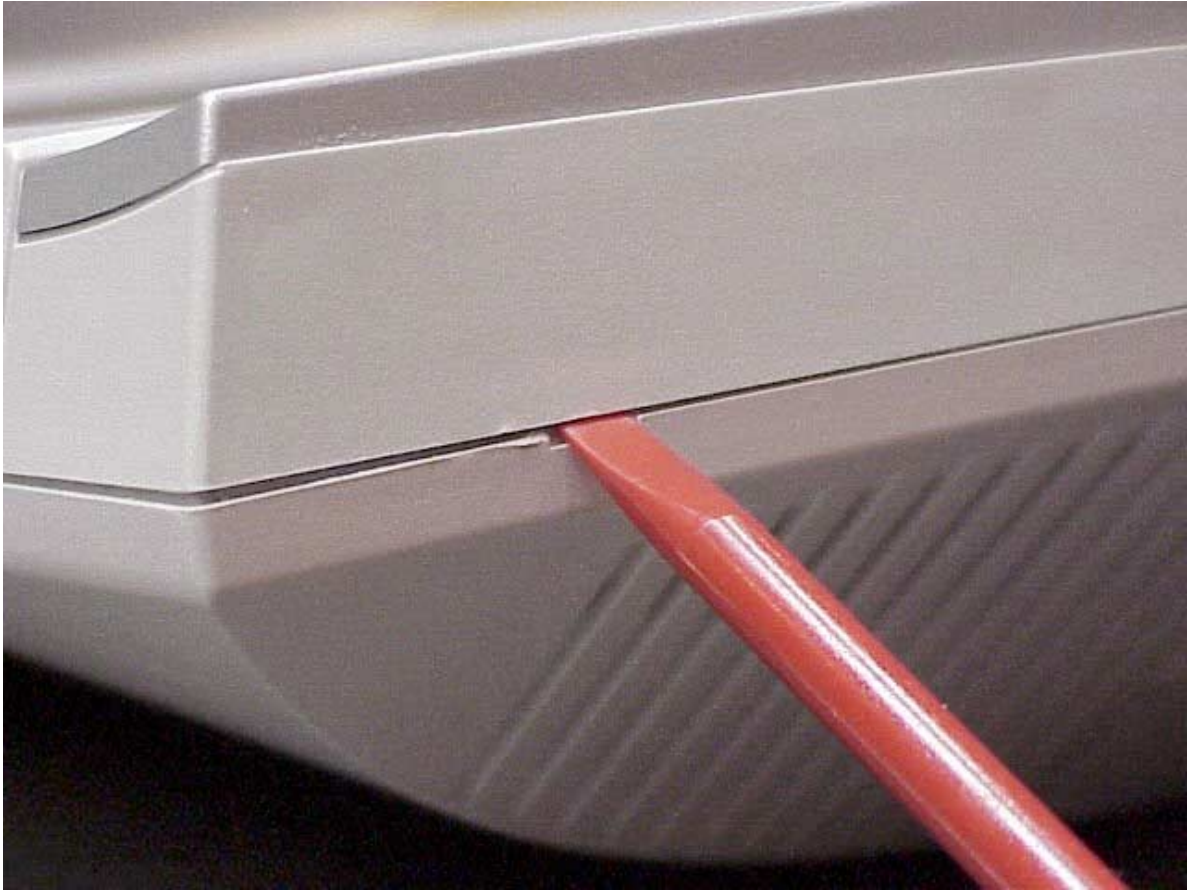


Figure 1.2: insertion of the plastic screwdriver into one of the outer LCD Bezel separation tabs.

Step 2: once the LCD Bezel is separated from LCD Base at the outer separation tab, gently work the screwdriver towards the corner of the LCD Bezel, as shown in figure 2.1. Use your fingers to aid in keeping a gap between the bezel and the base at the corner, and use the screwdriver to separate the LCD Bezel from the LCD Base at the inner separation tab, as shown in figure 2.2

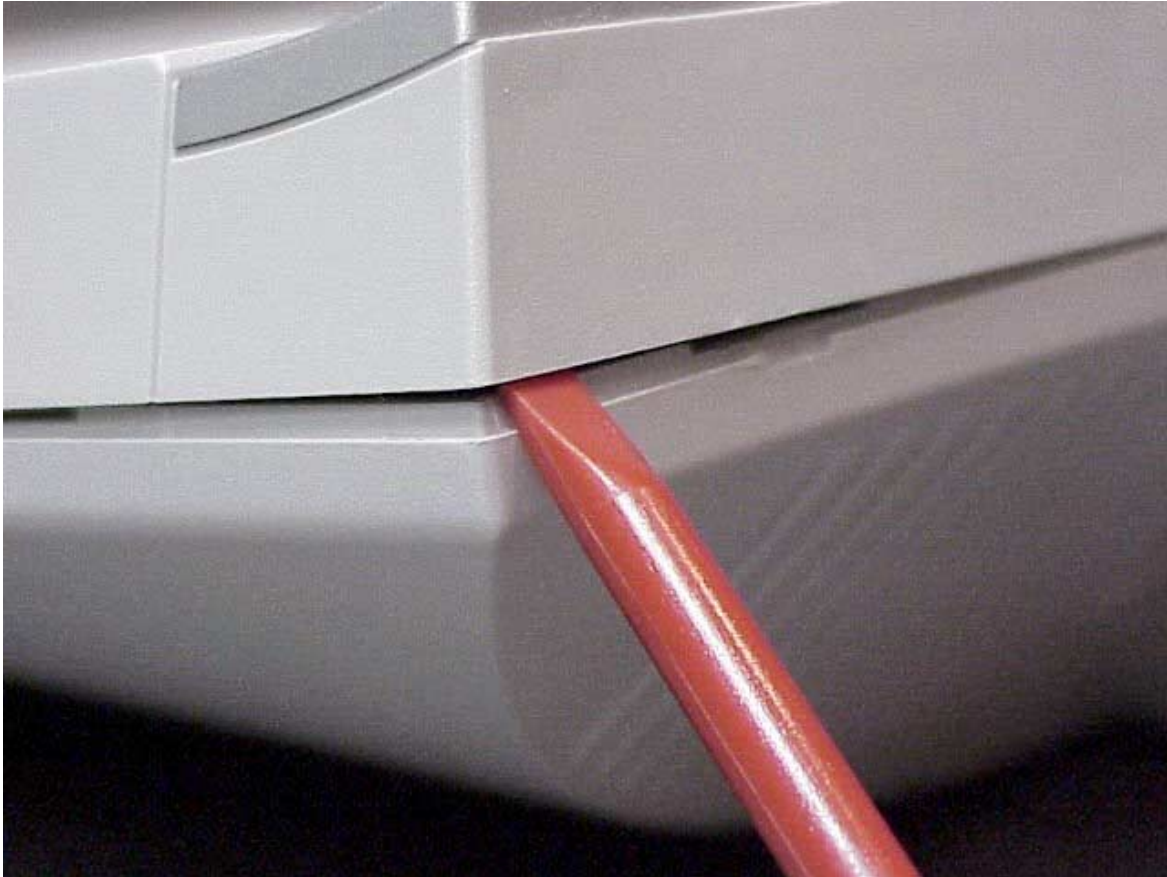


Figure 2.1: sliding screwdriver towards corner of LCD assembly between LCD Bezel and LCD Base.

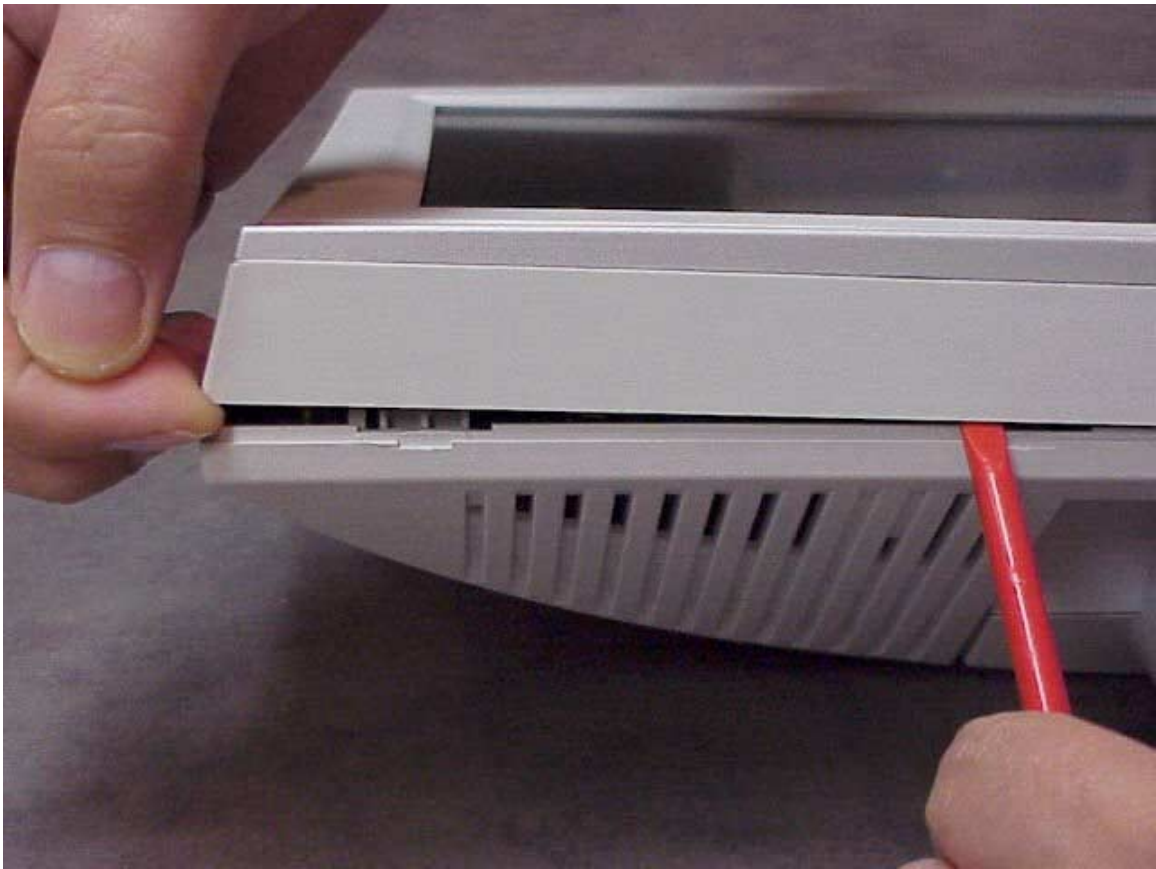


Figure 2.2: using screwdriver at inner separation tab, while using finger to keep a gap between the LCD Bezel and LCD Base.

Step 3: once you have the LCD Bezel separated at one corner of the LCD Assembly, it should now be easy to run your fingers between the LCD Bezel and Base along one side of the LCD Assembly, then across the top of the LCD Assembly, and back down the opposite side, as shown in figure 3.1. If the separation tabs on the opposite side bottom did not separate as you were running your fingers around the LCD Assembly, use the screwdriver to aid in their separation, much as you did in Step 1 and Step 2.

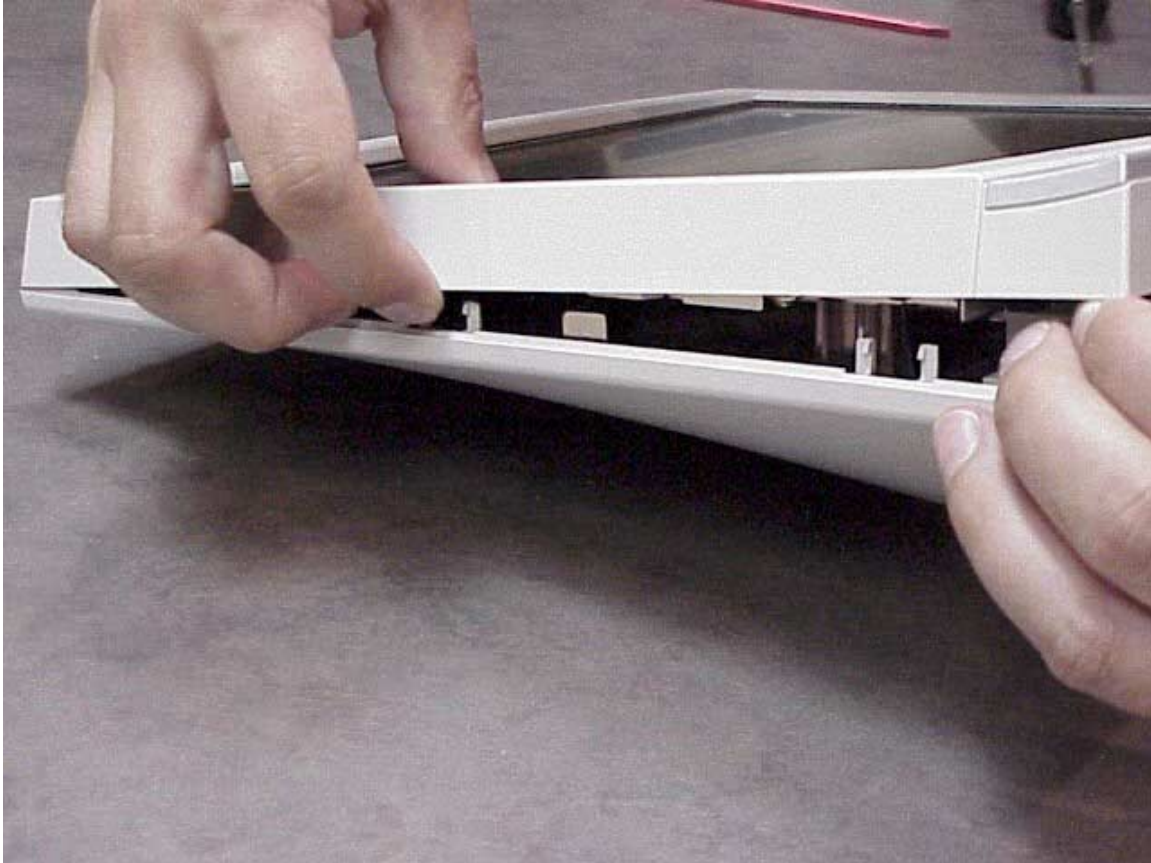


Figure 3.1: run your fingers around the LCD Assembly, separating the bezel from the base.

Step 4: at this point, you should have the entire LCD Bezel separated from the LCD Base, however, you may notice that it cannot yet be completely removed, due to one final attachment point located behind the NEC logo on the LCD Bezel. This final attachment point may break off if you do not take care in separating it from the unit. Figures 4.1 and 4.2 show the attachment as viewed from the backside of the LCD Bezel, and at the attachment point just above the LCD Brightness PCB board.

To remove this attachment, grasp the LCD Bezel at the point shown in Figure 4.3. While pushing inward (toward the LCD Panel) with your thumb, carefully pull outward (away from the LCD Panel) with your index finger. This method should separate the attachment point without damaging it, allowing you to completely remove the bezel from the assembly.

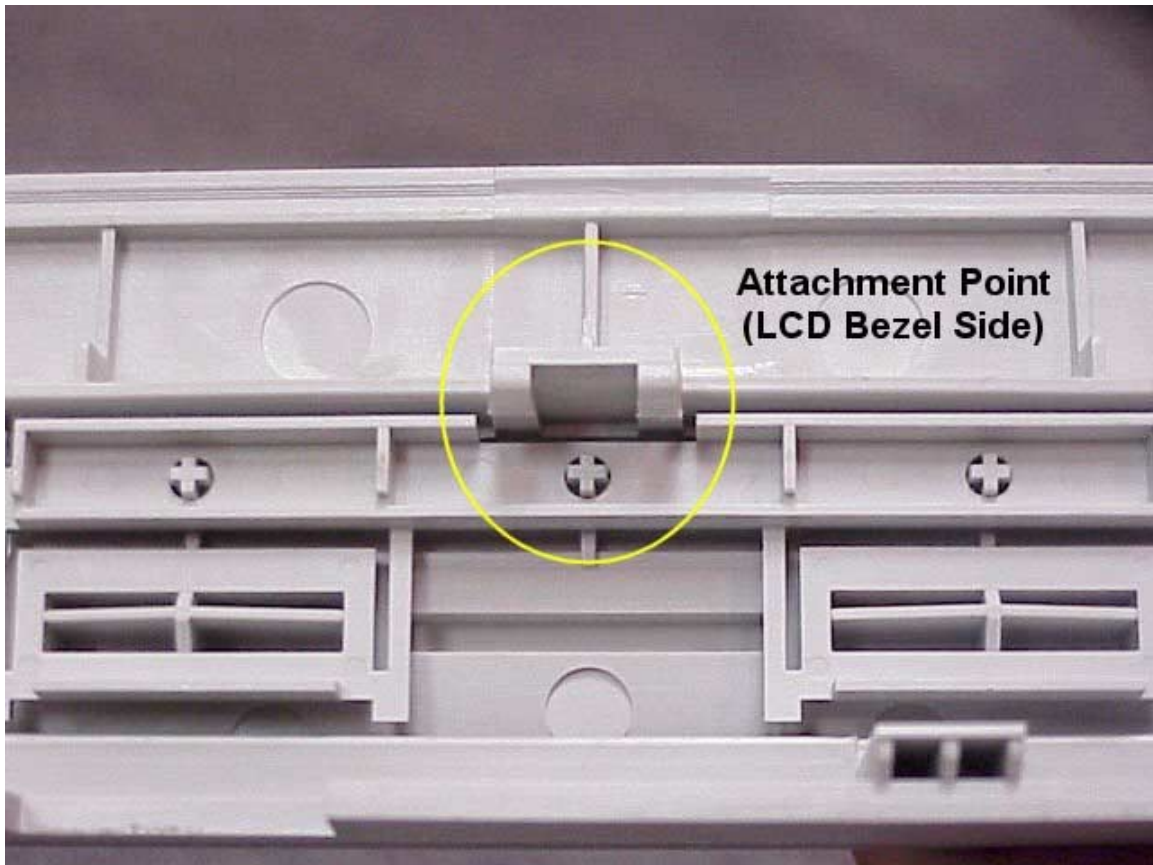
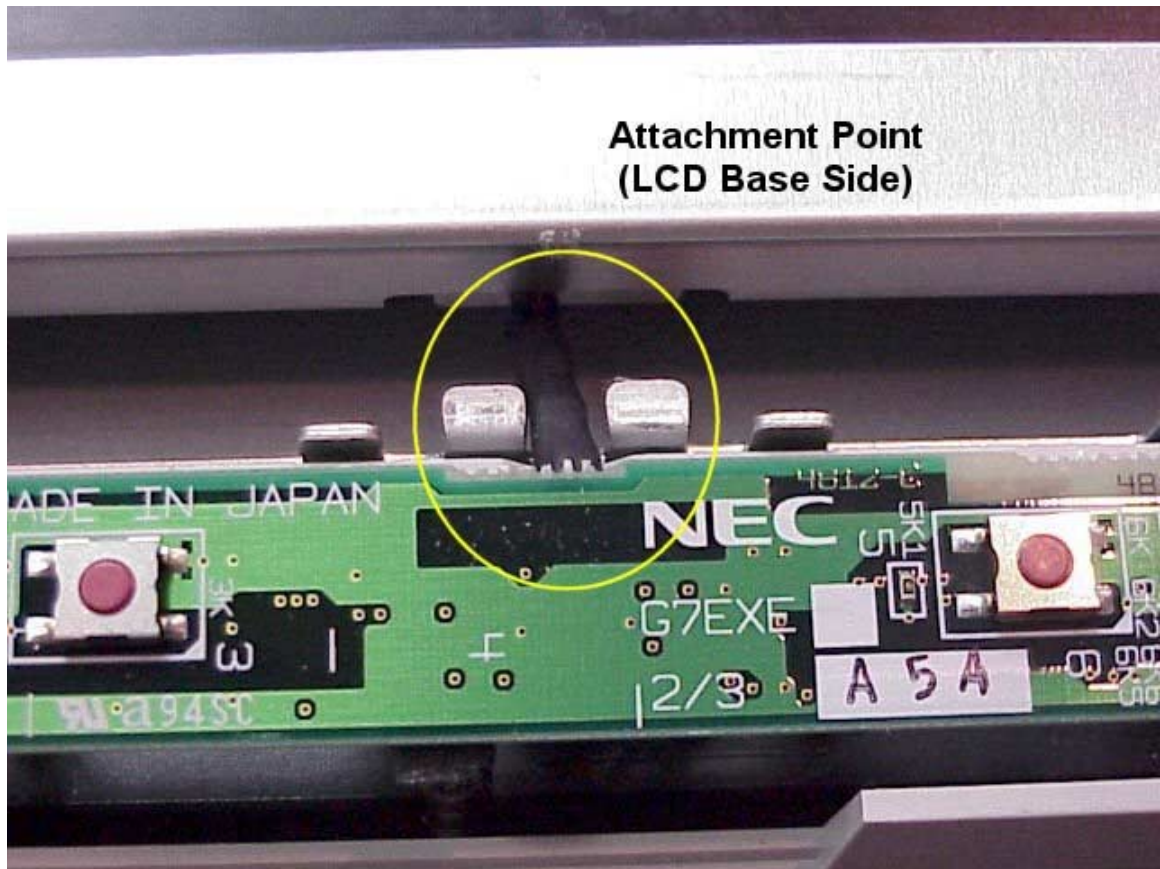


Figure 4.1: attachment point at LCD Bezel just behind the NEC logo.



**Attachment Point
(LCD Base Side)**

Figure 4.2: attachment point at LCD Base side, just above LCD Brightness PCB board.

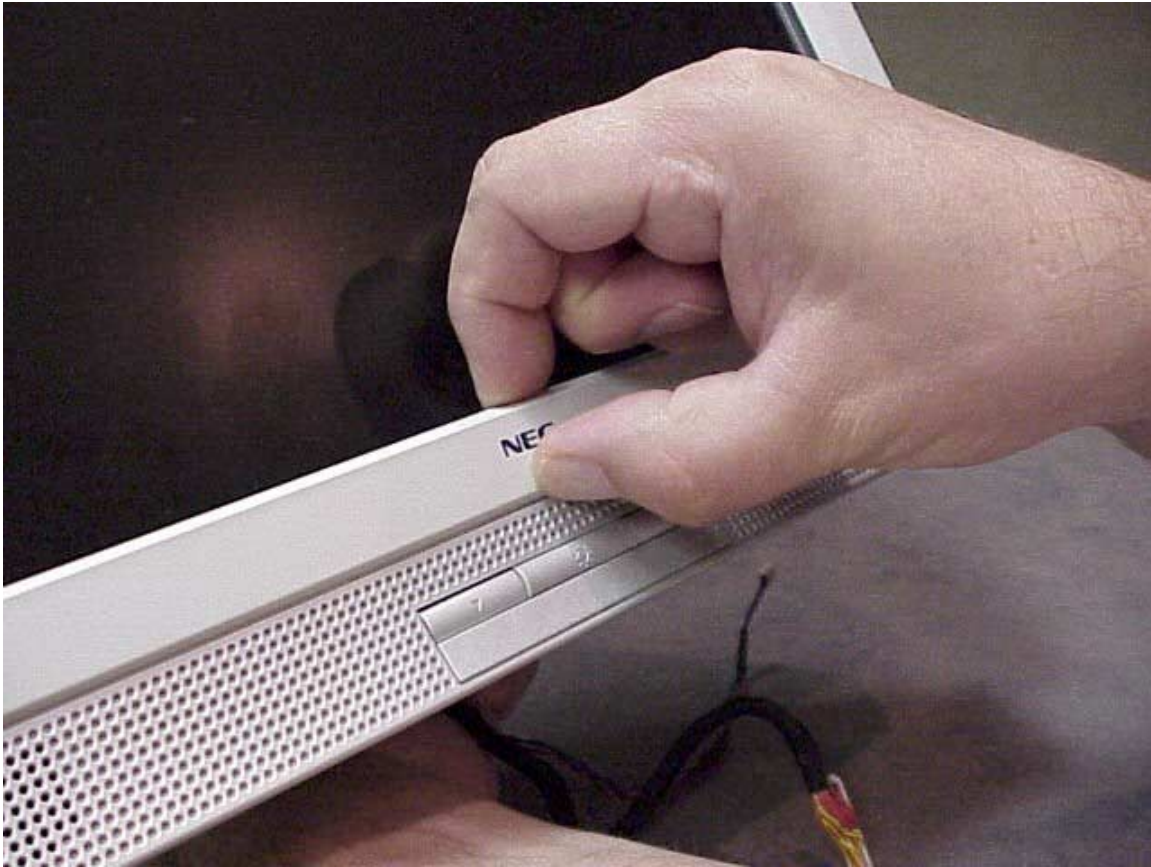


Figure 4.3: carefully pull out with your index finger, while pushing in with your thumb. This motion adequately flexes the bezel in such a way that will allow it to separate from the final attachment point without damage.

Reassembly:

Begin at the bottom of the LCD Bezel, securing the attachment point described in Step 4 first, along with the 4 separation tabs. Then simply work your way around the bezel towards the top, snapping the bezel to the base as you go along.