

EVOKE 2S DISPLAY REPLACEMENT

Reader David Solomons has kindly compiled information and photos showing how he repaired the display on his PURE Evoke 2S. As at 8th May 2021, the displays are currently listed by several sellers on eBay – see my main blog article for current details.



David writes:

Here are a few notes about replacing a display in a Pure Evoke 2S radio. I am not a professional so can't recommend these actions but it worked for me.

1. The back panel has two ribbon cables and two wires that connect it to the internal components. Remove the screws from the back panel, pull it out about an inch or two and lower the top as though the bottom is on a hinge. Disconnect the 2 ribbon cables. You can then support it with a small object (see image) so that you can access the front pcb.

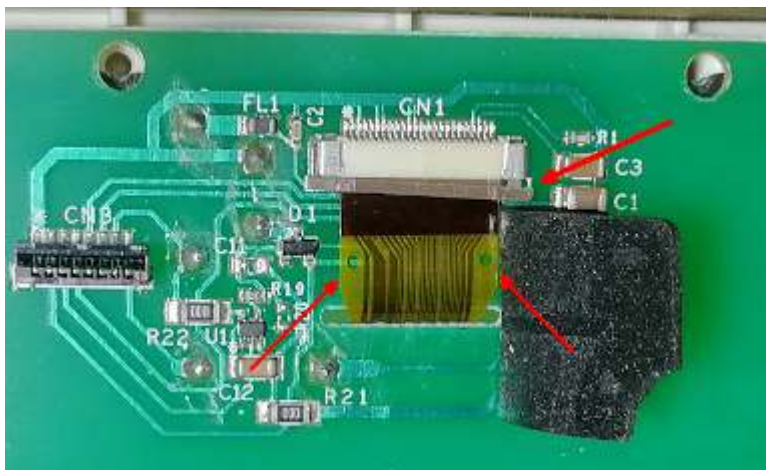


I chose not to remove the back panel but it would make it little easier to do so, but you would need to soldering iron for one of the wires. Suggest you put a cloth over the back panel components to prevent small screws or anything falling into it (I found out the hard way).



2. Remove the central black plastic cylinder from underneath the bottom panel. I removed the glue with a blunt chisel – it came away easily by twisting the chisel. Some of the glue was holding the front pcb in place. I removed that with a knife after removing everything else from the front pcb (next point).

3. Remove the front pcb. Pull off the two silver volume and tuning knobs. Undo and remove the nuts and washers from them. Remove the display cable by firstly pulling back the small piece of black tape. Then release what I think is a clamp (thicker red arrow in the image).



I used a toothpick in each of the holes in the display cable to gently disconnect it. Remove the 8 screws from the front pcb with a long cross point screwdriver. To get access to the bottom 2 screws, I had to temporarily lift up the bottom panel. You will then be able to pull the front pcb clear to get access to the front display. You may need to remove some glue used to secure the black plastic tube. The thread on the volume or tuning control may prevent removal if the pcb comes out at an angle.

4. Remove the display. Note that the cable comes from the top. Remove the 4 screws holding the plastic support for the display. I removed the display from the support by using a blunt chisel on one of the shorter sides. It didn't require any force just a slight twist to lever it up. It's held in place by some double sided tape.

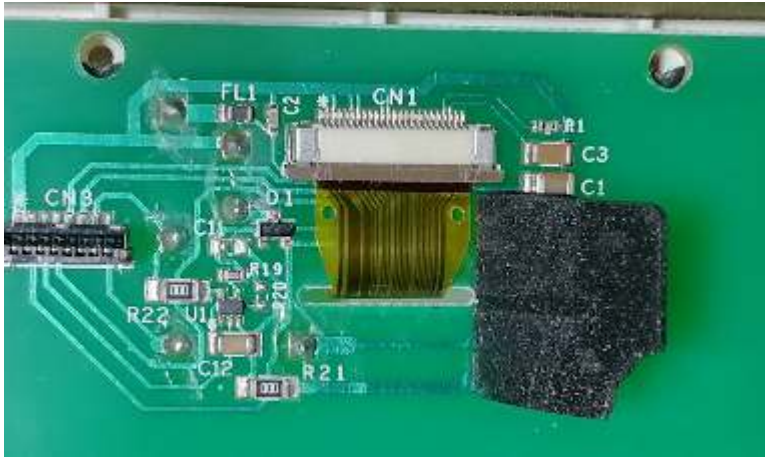


5. Refit the new display. Put the new display in the support with the cable coming out between the side that has the 2 screws with widest separation. This will ensure the cable comes out from the top (see image). Each screw hole in the supporting plastic panel has a recess that fits in the front panel so it can be positioned and held in place. Put in the 4 screws - into the side of the plastic support that is flat.

6. Thread the display cable through the front pcb panel. I used a thin strip of masking tape on the non-conductive side (end of the cable) and threaded that through the slit in the front pcb (see image). Put the front pcb roughly in place but allow space to pull through the display cable. Once the cable is through, secure the front pcb with the 8 screws.



7. Connect the display cable. I used 2 toothpicks in the small holes of the display cable (see image) to move it up into position and then move the clamp up to secure it. Fold the small black cover back over the cable.



8. Secure the front pcb with its 8 screws.

9. Fit the black plastic tube from beneath the unit. I put the tube in position and then lowered the radio on to a few small coasters (anything higher than the feet). It was then just a matter of pushing down on the radio from the top – to push the tube fully home.

10. Connect the 2 ribbon cables. Fit the nuts and washers on the volume and tuning controls. Mine weren't tight when they were removed so I left them like this as I didn't want to risk pulling them from the pcb.

11. Replace the back panel.
