

Dell 1800FP Inverter Board Installation Instructions

The Dell UltraSharp 1800FP was designed for a wide variety of users ranging from the home to corporate or financial trading environments. It utilizes an 18.1" Active Matrix TFT LCD that displays brilliant images of text and graphics with a maximum resolution up to 1280 x 1024 pixels.

Common Problems associated with this model:

1. No Display (No Picture) on screen but Power Indicate light stays on green.
2. Screen Flickering.

Resolving these issues (Part Replacement): There are two types of Inverter Board:

1. Replace the inverter board KUBNKM045A Manufactured by ALPS.
2. Replace the inverter board 6633TZA015A Manufactured by AMBIT.

This Inverter Board works on the following models:

BRAND	MODEL	REMARK
DELL	1800FP	18.1" LCD MONITOR
GATEWAY	FPD1830	18.1" LCD MONITOR
LG PHILLIPS	LM181E06	18.1" TFT PANEL

Disassembly Instructions:

1. Place monitor face down on flat surface using a soft towel to avoid scratching the LCD screen.
2. Use a cup or other small container to hold the screws as they are removed.
3. It is recommended, not required, that you purchase a static wrist guard or other anti-static guard. These can be purchased at a nominal cost at a computer hardware store or electronics repair shop.
4. Make sure the unit is unplugged and the power supply/plug is removed from the unit.
5. **Important:** Do not apply force onto the LCD screen at anytime, this will cause permanent damage.
6. This manual is provided as a reference guide. If you do not understand disassembly process or you do not feel that you are competent to perform the repair, then you should have the repair completed by a professional repair technician.

Disclaimer:

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Disassembly



Step 1:

Remove the two (2) screws from the top of the base.



Step 2:

Remove the base.



Step 3:

Remove the six (6) screws from the back cover.



Step 4:

Stick a flat screw driver between the back cover and the front bezel.



Step 5:

Remove the back cover.



Step 6:

Remove the back cover.



Step 7:

Remove the six (6) screws from the metal cover.



Step 8:

Remove the metal cover.



Step 9:

Unplug connector from the inverter board.



Step 10:

Unplug connector from the logic board.



Step 11:

Unplug ground connector.



Step 12:

Unplug video connector from the screen.



Step 13:

Remove the LCD screen from the front bezel.



Step 14:

Remove the LCD screen from the front bezel.



Step 15:

Cut the foil tape from each corner. In some units the foil tape is located on the top and in the bottom of the LCD screen.

**Step 16:**

Remove the four (4) screws from the top and the bottom. In some units the screws are located in the sides of the LCD screen.

**Step 17:**

Take the metal cover out. Remove the four (4) screws from the inverter board. Unplug the six (6) connectors from the inverter board.

**Step 18:**

Remove the inverter board.

Step 19:

Inspect new part ensuring that any packing materials or tape are removed.

Step 20 – Reassembly

Follow the directions in reverse to complete the installation of the replacement part. Make sure that all connectors are plugged in. Make sure that you replace all screws into their assemblies.