

ADJUSTMENT

GENERAL INFORMATION

All adjustment are thoroughly checked and corrected when the monitor leaves the factory, but sometimes several adjustments may be required.

Adjustment should be following procedure and after warming up for a minimum of 30 minutes.

- Alignment appliances and tools.
 - IBM compatible PC.
 - Programmable Signal Generator.
(eg. VG-819 made by Astrodesign Co.or equivalent)
 - EPROM or EEPROM with saved each mode data.
 - Alignment Adaptor and Software.
 - Digital Voltmeter.
 - White Balance Meter.
 - Luminance Meter.
 - High-voltage Meter.

AUTOMATIC AND MANUAL DEGAUSSING

The degaussing coil is mounted around the CDT so that automatic degaussing when turn on the monitor. But a monitor is moved or faced in a different direction, become poor color purity cause of CDT magnetized, then press

⌂ (DEGAUSSING) on the OSD menu.

ADJUSTMENT PROCEDURE & METHOD

- Install the cable for adjustment such as Figure 1 and run the alignment program on the DOS for IBM compatible PC.

1. Adjustment for B⁺ Voltage.

- 1) Display cross hatch pattern at Mode 4.
- 2) Adjust B⁺ voltage to $165 \pm 0.5V$ with **VR901**.

2. Adjustment for High-Voltage.

- 1) Display cross hatch pattern at Mode 4.
- 2) Adjust CDT Anode voltage to $26 \pm 0.1kV$ with **VR701**.

3. Adjustment for Factory Mode (Preset Mode).

- 1) Display cross hatch pattern at Mode 4.
- 2) Run alignment program for Flatron 776FM, FM776B on the IBM compatible PC.
- 3) EEPROM → ALL CLEAR → Y(Yes) command.
- 4) COMMAND → START → Y(Yes) command.
- 5) DIST. ADJ. → CTRL PWM → TILT command.
- 6) Adjust tilt as arrow keys to be the best condition.
- 7) DIST. ADJ. → BALANCE command.

- 8) Adjust balance of side-pincushion as arrow keys to be the best condition.
- 9) DIST. ADJ. → BALANCE command.
- 10) Adjust parallelogram as arrow keys to be the best condition.
- 11) DIST. ADJ. → FOS. ADJ command.
- 12) Adjust V-SIZE as arrow keys to $230 \pm 2mm$.
- 13) Adjust V-POSITION as arrow keys to center of the screen.
- 14) Adjust H-SIZE as arrow keys to $310 \pm 2mm$.
- 15) Adjust H-POSITION as arrow keys to center of the screen.
- 16) Adjust S-PCC (Side-Pincushion) as arrow keys to be the best condition.
- 17) Adjust TRAPEZOID as arrow keys to be the best condition.
- 18) Display from Mode 1 to Mode 4 and repeat above from number 12) to 17).
- 19) PRESET EXIT → Y (Yes) command.

4. Adjustment for White Balance and Luminance.

- 1) Set the White Balance Meter.
- 2) Press the ⌂ (DEGAUSSING) on the OSD menu for demagnetization of the CDT.
- 3) Display color 0,0 pattern at Mode 4.
- 4) Set Brightness Max position and Contrast to 130(82) position.
- 5) COLOR ADJ. → BIAS ADJ. command of the alignment program.
- 6) Check whether green color or not at R-BIAS and B-BIAS to min position and G-BIAS to $0.2 \pm 0.05FL$ position at Sub-Brightness Max. If it's not blue color, the monitor must repair.
- 7) Adjust R-BIAS and G-BIAS command to $x=0.283 \pm 0.02$ and $y=0.298 \pm 0.02$ on the White Balance Meter with PC arrow keys.
- 8) Adjust SUB-Brightness command to $0.3 \pm 0.1FL$ of the raster luminance.
- 9) Display color 15,0 box pattern (70x70mm) at Mode 4.
- 10) Set CONTRAST and SUB-CONTRAST to 190 (decimal).
- 11) DRIVE ADJ command.
- 12) Set B-DRIVE to 150(96) (decimal) at DRIVE of the alignment program.
- 13) Adjust R-DRIVE and G-DRIVE command to white balance $x=0.283 \pm 0.02$ and $y=0.298 \pm 0.02$ on the White Balance Meter with PC arrow keys.
- 14) Adjust SUB-CONTRAST command to $50 \pm 1FL$ of the box pattern (70x70mm).

- 15) Save in COLOR 1.
- 17) Display color 15,0 full white patten at Mode 4.
- 18) COLOR ADJ. → LUMINANCE → ABL command.
- 19) Set the Brightness and Contrast to max position.
- 20) Adjust ABL to 32 ± 1 FL of the luminance.
- 21) Exit from the program.

5. Adjustment for Focus.

- 1) Display H character in full screen at Mode 4.
- 2) Adjust two Focus control on the FBT so that focus should be the best condition.

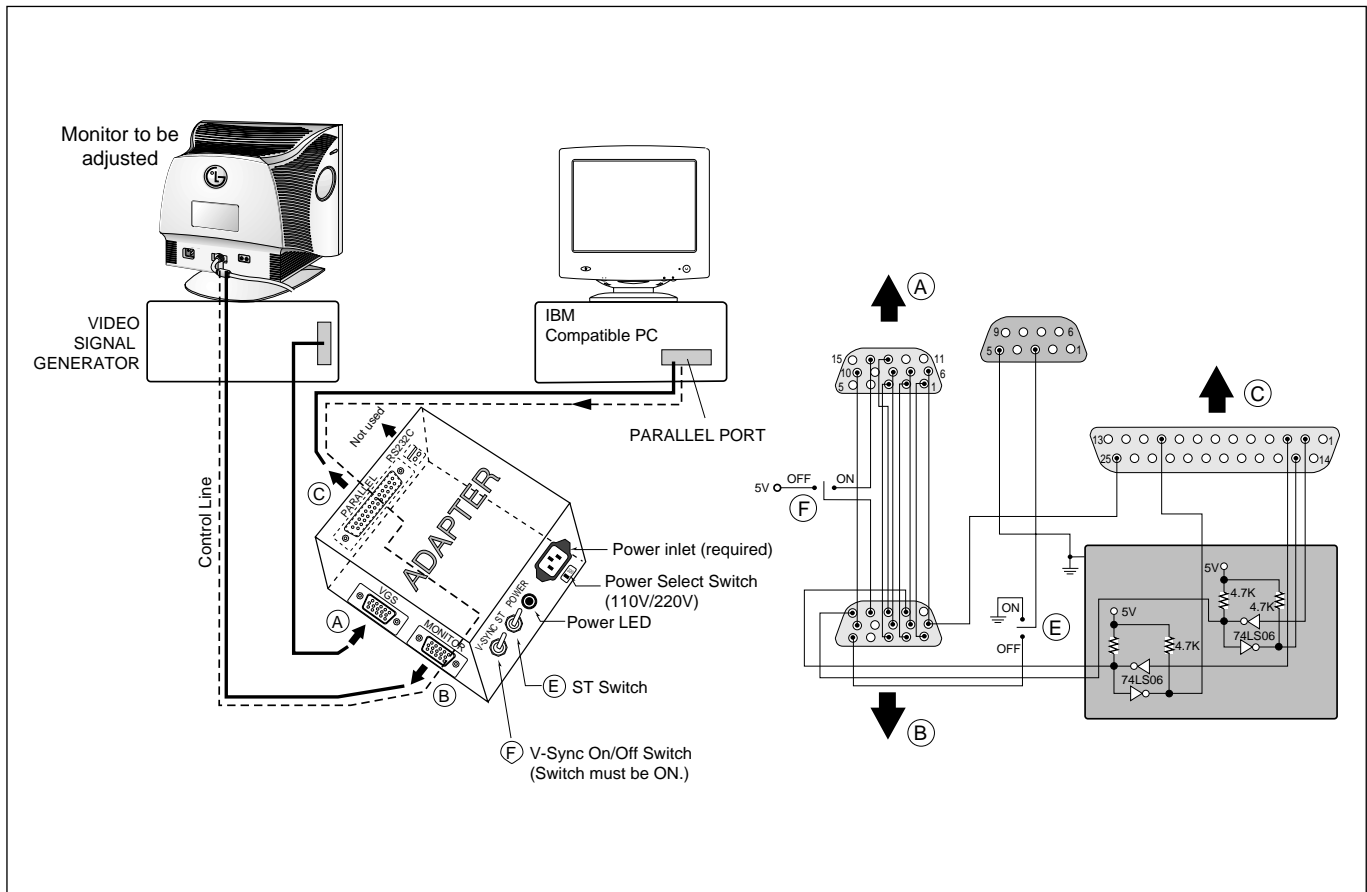


Figure 1. Cable Connection