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.)
  - 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 1and run the alignment program on the DOS for IBM compatible PC.
- Set external Brightness and Contrast volume to max position.

1. Adjustment for B$^+$ Voltage.

1) Display cross hatch pattern at Mode 12.
2) Adjust C951 (+) voltage to 198V±0.2V with **VR901**.

2. Adjustment for High-Voltage.

1) Display cross hatch pattern at Mode 12.
2) Adjust CDT Anode voltage to 26kV±0.2kV with **VR501**.

3. Adjustment for Horizontal Raster Center.

1) Display cross hatch pattern at Mode 12.
2) Adjust the raster should be center of the screen with SC701.

4. Adjustment for Factory Mode (Preset Mode).

1) Display cross hatch pattern at Mode 14.
2) Run alignment program for Flatron 795FT plus (FB795B) on the IBM compatible PC.
3) EEPROM → ALL CLEAR → Y(Yes) command.
4) DIST. ADJ. → SIZE-MAX command.
5) Adjust H-SIZE MAX as arrow keys to just of the full screen size at Mode 15.
6) Adjust V-SIZE MAX as arrow keys to just of the full screen size at Mode 15.
7) COMMAND →PRESET START→Y(Yes) command.
8) Adjust tilt as arrow keys to be the best condition.
9) DIST. ADJ. → BALANCE command.
10) Adjust balance of pin balance, key balance, V S Linearity, V C Linearity, Pin S correction and Pin W correction as arrow keys to be the best condition.
11) DIST. ADJ. → FOS. ADJ command.
12) Adjust H-SIZE as arrow keys to 310±2mm.
13) Adjust H-POSITION as arrow keys to center of the screen.
14) Adjust V-SIZE as arrow keys to 230±1mm.
15) Adjust V-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 12 and repeat above from number 12) to 17).
19) PRESET EXIT → Y (Yes) command.

5. 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 12.
4) Set Bright and Contrast to max position.
5) COLOR ADJ. → BIAS ADJ. command of the alignment program.
6) Check whether blue color or not at R-BIAS and G-BIAS to min position and B-BIAS to 127 (decimal) position at Sub-Bright Max. If it's not blue color, the monitor must repair.

7) Adjust Screen control on the FBT to 0.15±0.02FL of the raster luminance.
8) Adjust R-BIAS and G-BIAS command to x=0.283±0.006 and y=0.298±0.006 on the White Balance Meter with PC arrow keys.
9) Adjust SUB-Brightness command to 0.25~0.35FL of the raster luminance.
10) Display color 15,0 box pattern (70x70mm) at Mode 12.
11) Set Bright and Contrast to 190 (decimal).
12) DRIVE ADJ command.
13) Set B-DRIVE to 100 (decimal) at DRIVE of the alignment program.
14) Adjust R-DRIVE and G-DRIVE command to white balance x=0.283±0.003 and y=0.298±0.003 on the White Balance Meter with PC arrow keys.

15) Adjust SUB-CONTRAST command to 50±1FL of the raster luminance.
16) Display color 15,0 full white patten at Mode 12.
17) COLOR ADJ. → LUMINANCE → ABL command.
18) Set the Brightness and Contrast to max position.
19) Adjust ABL to 31±1FL of the luminance.
20) Exit from the program.

6. Adjustment for Focus.

1) Display H character in full screen at Mode 10.
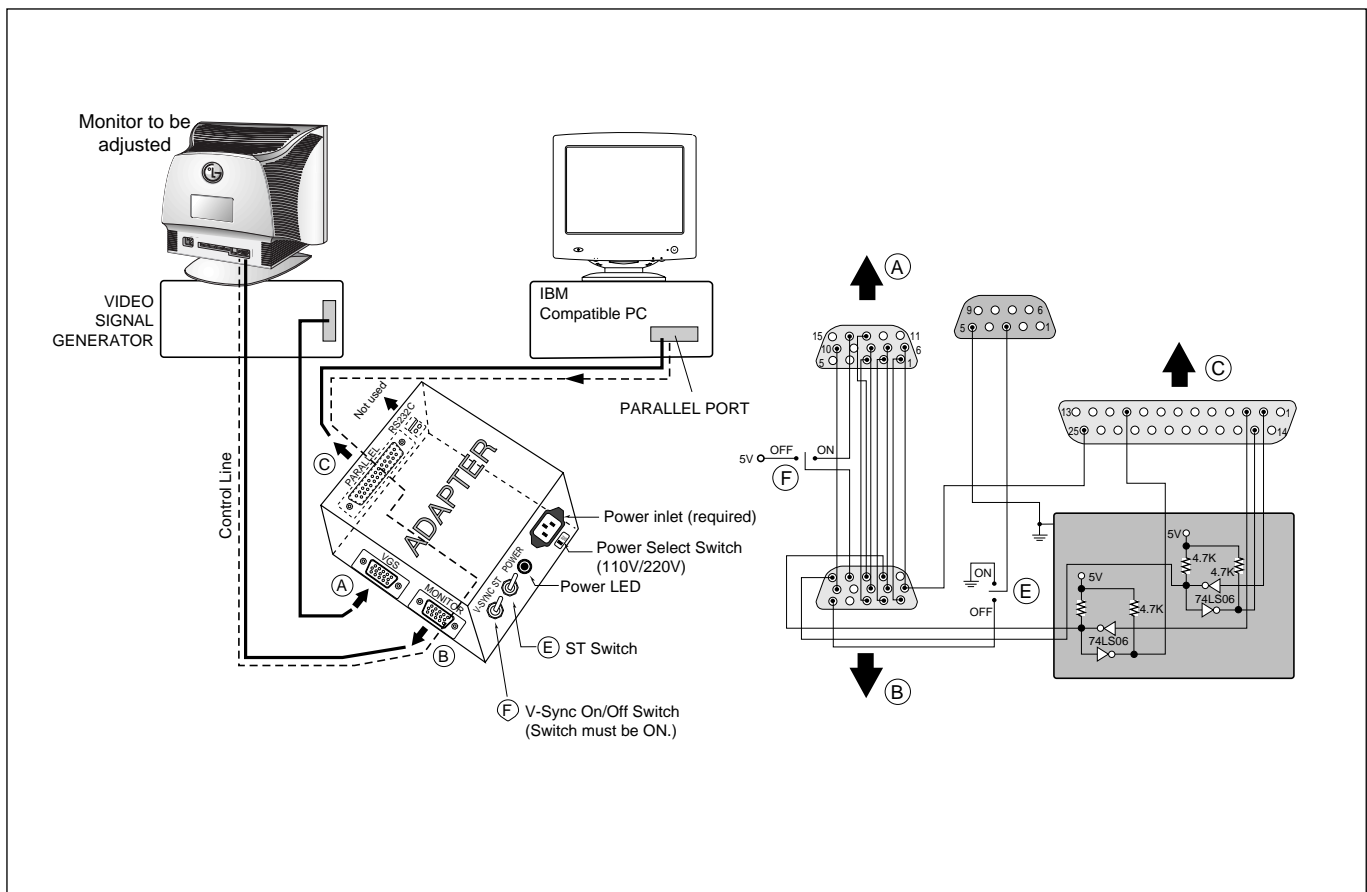2) Adjust two Focus control on the FBT that focus should be the best condition.

Figure 1. Cable Connection