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 DEGAUSS 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 High-Voltage.

1) Display cross hatch pattern at Mode 4.
2) Adjust Anode voltage to 26kV+0.1kV.

2. Adjustment for Factory Mode (Preset Mode).

1) Display cross hatch pattern at Mode 1~4.
2) Run alignment program for FB775C on the IBM compatible PC.
3) EEPROM→ALL CLEAR→Y(YES) command.

※ <Caution> Do not run this procedure unless the EEPROM is changed.
All data in EEPROM (mode data and color data)will be erased.

4) Power button of the monitor turn off → turn on.
5) COMMAND → START → Y(Yes) command.
6) DIST. ADJ. → TILT command.
7) Adjust tilt as arrow keys to be the best condition
8) DIST. ADJ. → BALANCE command.
9) Adjust parallelogram as arrow keys to be the best condition.
10) DIST. ADJ. → BALANCE command.
11) Adjust balance of side-pincushion as arrow keys to be the best condition.
12) DIST. ADJ. → FOS. ADJ command.
13) Adjust V-SIZE as arrow keys to 230±2mm.
14) Adjust V-POSITION as arrow keys to center of the screen.
15) Adjust H-SIZE as arrow keys to 310±2mm.
16) Adjust H-POSITION as arrow keys to center of the screen.
17) Adjust S-PCC (Side-Pincushion) as arrow keys to be the best condition.
18) Adjust TRAPEZOID as arrow keys to be the best condition.
19) PRESET EXIT → Y (Yes) command.

3. Adjustment for White Balance and Luminance.

1) Set the White Balance Meter.
2) Press the DEGAUSS on the OSD menu for demagnetization of the CDT.
3) Set Brightness max and SUB-Brightness to 130 (Decimal) position.
4) Display color 0,0 pattern at Mode 4.
5) COLOR ADJ. → LUMINANCE command of the alignment program.
6) COLOR ADJ. → BIAS ADJ. command of the alignment program.
7) Check whether R-BIAS and B-BIAS to min position and G-BIAS to 0.3±0.05FL of the raster luminance. Check it's not green color.
8) Adjust R-BIAS and B-BIAS command to x=0.283±0.02 and y=0.298±0.02 on the White Balance Meter with PC arrow keys.
9) Adjust SUB-Brightness command to 0.3±0.1FL of the raster luminance.
10) Display color 15,0 window pattern (70x70mm) at Mode 4.
11) Set Contrast max and SUB-Contrast to 127(decimal) position.
12) DRIVE ADJ command.
13) Set G-DRIVE to 170(AA) (decimal) at DRIVE of the alignment program.
14) Adjust R-DRIVE and B-DRIVE command to white balance x=0.283±0.02 and y=0.298±0.02 on the White Balance Meter with PC arrow keys.
15) Adjust SUB-CONTRAST command to 50±1FL of the raster luminance at the save in color 1.

16) Display color 15,0 full white patten at Mode 4.
17) COLOR ADJ. → LUMINANCE → ABL command.
18) Adjust ABL to 32±1FL of the luminance.
19) 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 that focus should be the best condition.

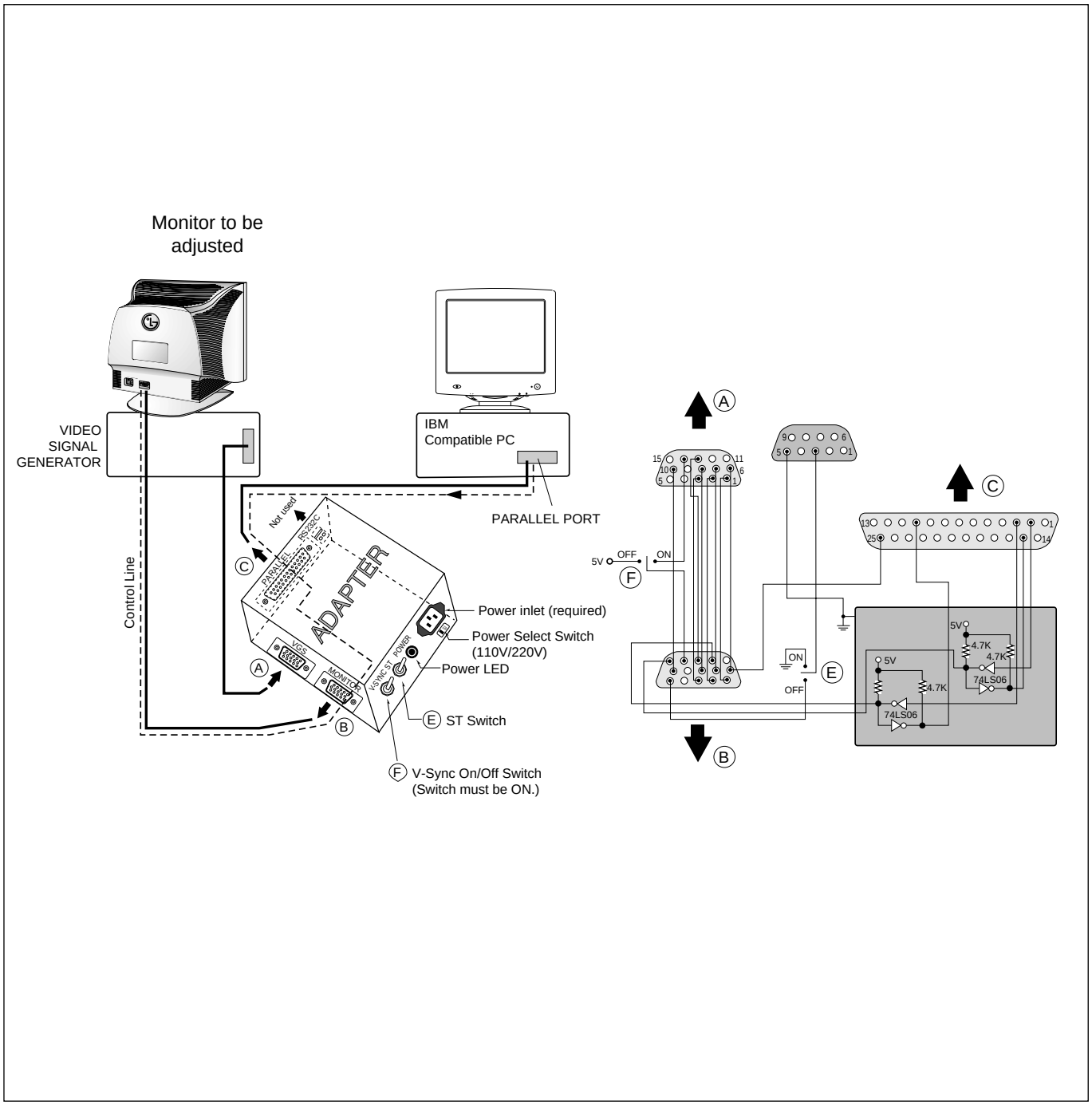

Figure 1. Cable Connection