

ADJUSTMENT


GENERAL INFORMATION

All adjustment are thoroughly checked and corrected when the monitor leaves the factory, but sometimes several minor adjustment 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.)
 - E(E)PROM with each mode data saved.
 - 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 CRT so that automatic degaussing when turn on the monitor. But the monitor is moved or faced in a different direction, become poor color purity cause of CRT 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 Mode3.
- 2) Adjust voltage to 51V±0.5Vdc with VR901.

2. Adjustment for High-Voltage

- 1) Run alignment program for MB576C on the IBM compatible PC.
- 2) Display cross hatch pattern at Mode 3.
- 3) DIST.ADJ→CTRL PWM → High Voltage Command.
- 4) Adjust High Voltage to 24.5kV±0.1 kVdc.
- 5) Press Enter Key.

3. Adjustment for Factory Mode (Preset Mode).

- 1) Display cross hatch pattern at Mode 5.
- 2) Run alignment program for MB576C 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. → CTRL PWM → 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 200±1mm.
- 14) Adjust V-POSITION as arrow keys to center of the screen.
- 15) Adjust H-SIZE as arrow keys to 270±1mm.
- 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.

4. 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) COLOR ADJ. → LUMINANCE command of the alignment program.
- 4) Set Brightness and Contrast to Max and Sub-Brightness to 70(46) (decimal) position.
- 5) Display color 0,0 pattern at Mode 3.
- 6) COLOR ADJ. → BIAS ADJ. command of the alignment program.
- 7) Check whether green color or not at R-BIAS and B-BIAS to 50(32) position and G-BIAS to 127(7F) to position. Adjust the screen raster luminance to 0.4±0.05FL with screen volume on FBT
- 8) Adjust R-BIAS and B-BIAS command to x=0.283±0.005 and y=0.298±0.005 on the White Balance Meter with PC arrow keys.
- 9) Adjust SUB-Brightness command to 0.4±0.1FL of the raster luminance.
- 10) Display color 15,0 box pattern (70x70mm) at Mode 4.
- 11) DRIVE ADJ command.
- 12) Set SUB-Contrast 70(46) (decimal) position.
- 13) Set G-DRIVE to 160(A0) (decimal) at DRIVE of the alignment program.

- 19) Adjust ABL to 34 ± 1 FL of the luminance.
- 20) Exit from the program.

6. Adjustment for Focus.

- 1) Display H character in full screen at Mode 3.
- 2) Adjust Focus control on the FBT that focus should be the best condition.

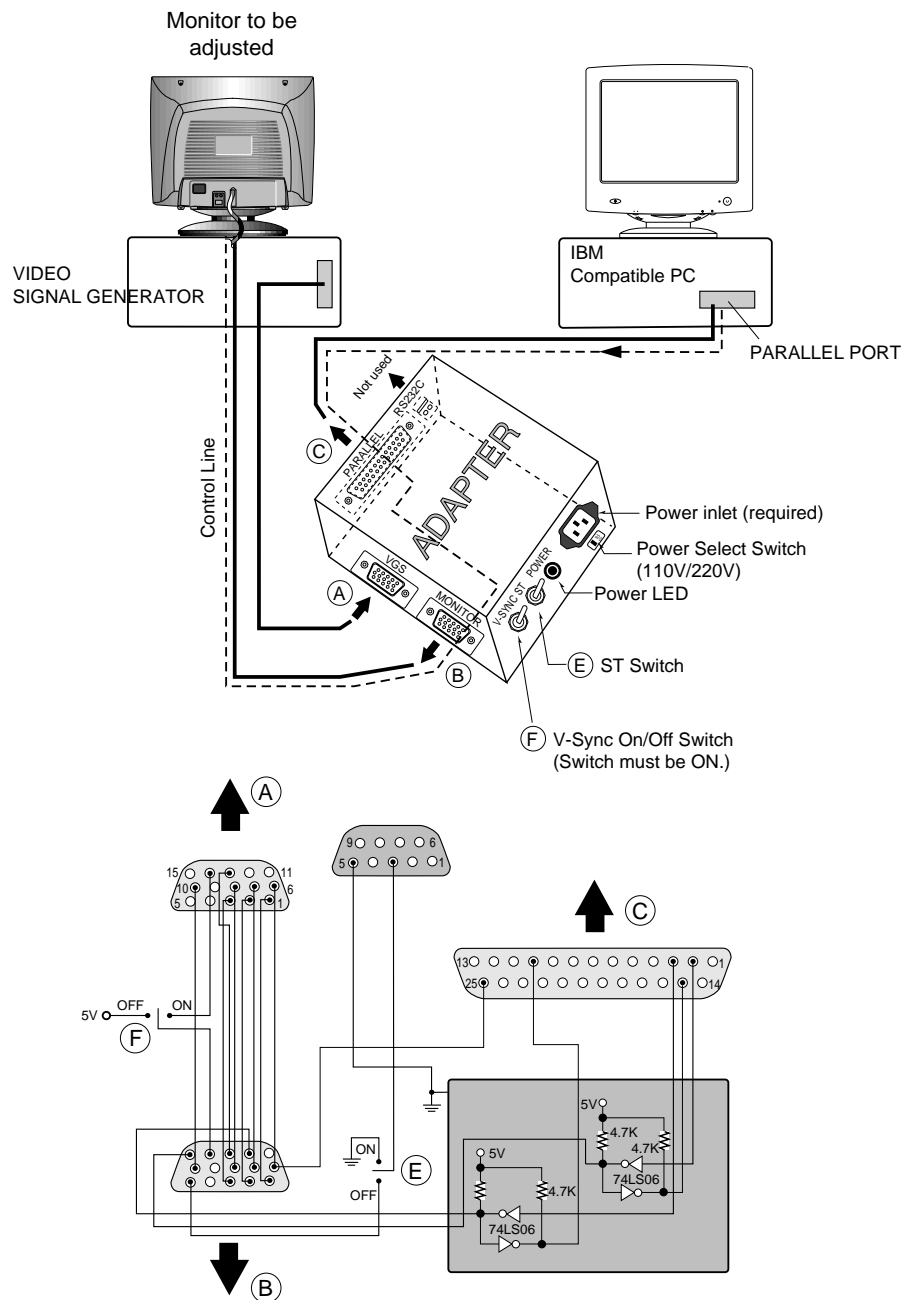


Figure 1. CABLE CONNECTION