

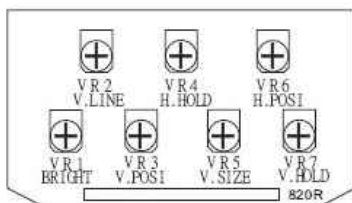
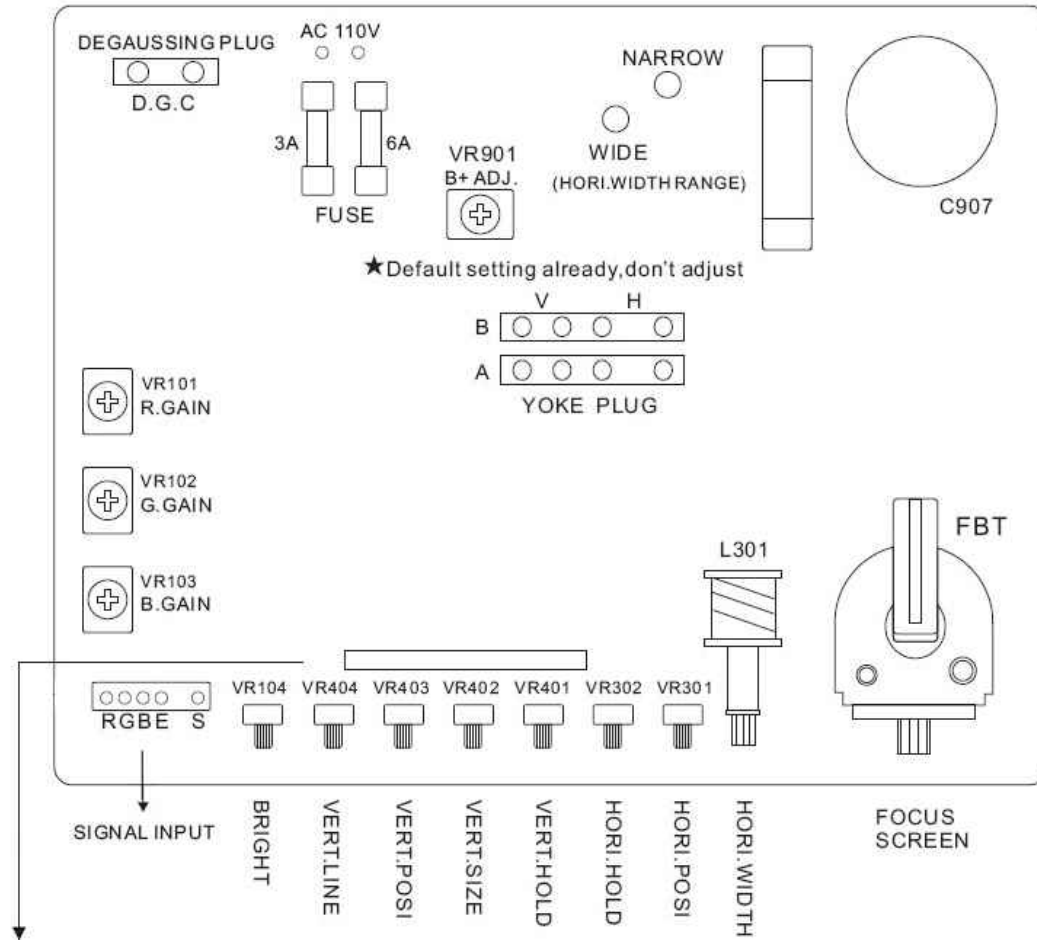
# 20" 15.75Khz CGA Monitor

## ID # 4808

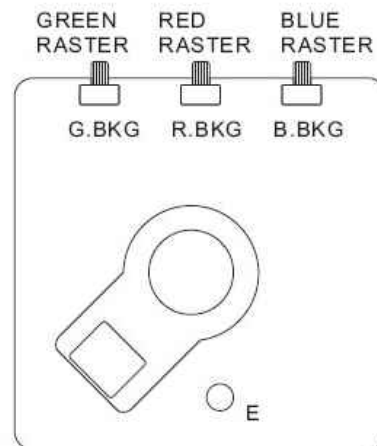


### Operation Manual

AC POWER : 110VAC , 50/60HZ



VR CONTROL BOARD



CRT BOARD



## AC Input:

110V AC 50/60HZ

## Fuses

**F1:** 3A, 110V AC

**F2:** 6A, 110V AC

## Operating Functions

B+ voltage is preset via VR901 at the factory. DO NOT ADJUST. Incorrect setting will damage the main board and picture tube. It can also cause the picture tube to emit X-Rays.

The Flyback transformer contains 2 Adjustments.

The Focus adjustment (the upper adjustment) controls the focus of the monitor and should be set for the sharpest image

The Screen Adjustment (the lower adjustment) controls the G2 voltage supplied to the screen and sets the brightness of the raster (not the picture).

It should be set without signal by producing a gray raster & backing off the adjustment until the raster is not visible. This will ensure black areas of the picture are black, and not a gray.

## Main Board Controls

Main Board Adjustments		
VR101	Blue Gain	Sets the intensity of the Blue picture information
VR102	Green Gain	Sets the intensity of the Green picture information
VR103	Red Gain	Sets the intensity of the Red picture information
VR104, VR1	Brightness Adjustment	Controls picture brightness
L301	Horizontal Width Adjustment	Adjusts Horizontal size
VR301, VR6	Horizontal Position	Used to center the picture onto the raster
VR302, VR4	Horizontal Hold	Provides fine adjustment to the Horizontal Frequency. If the frequency is incorrect, the picture will tear sideways
VR401, VR7	Vertical Hold	Used to lock the vertical frequency. Incorrect setting will result in the picture rolling.
VR402, VR5	Vertical Size	Used to adjust the vertical size of the picture to fit correctly onto the raster
VR403, VR3	Vertical Position	Used to center picture on the raster
VR404, VR2	Vertical Linearity	Balances the stretch of the top and bottom parts of the picture & should be adjusted for a symmetrical picture
VR901	B+ Adjustment. Factory preset	Power Supply Regulation Adjustment. B+ for this set = +115V DC

## CRT Board Controls

CRT Board Adjustments		
R-BKG	Red Background Adjustment	These Adjusts balance of colour in the raster and should be adjusted to produce a gray raster with the G2 Screen Voltage increased slightly
G-BKG	Green Background Adjustment	
B-BKG	Blue Background Adjustment	

**\*\*\* Proper adjustment of Gray-scale and Geometry should be made using a Test Pattern Generator**

**\*\*\* This monitor contains no user serviceable parts.**

**\*\*\* Repairs should only be undertaken only by fully qualified technicians**