



# Macintosh Color Display

**Caution:** This is an abbreviated version of other materials. Do not attempt this procedure unless you have first reviewed the CRT safety and discharge instructions located in Bulletins/Safety on Apple's Service Source CD and have successfully performed at least one detailed video adjustment as described in the Macintosh Color Display manual in Service Source.

Allow the monitor to warm up for at least 10 minutes prior to performing any adjustments. The Cutoff and White Balance procedures must be performed whenever the main board and/or CRT is replaced.

## Cutoff

1. Display the gray bars pattern.
2. Set BRIGHTNESS to detent.
3. Set CONTRAST to full CW position.
4. Set the RED, GREEN, and BLUE BKG controls to their full CCW position.
5. Set GREEN and BLUE DRIVE controls to their 3/4 position.
6. Set SUB-CONTRAST to its full CW position.
7. Set G2 so that the first bar is black and the second bar is barely visible.
8. Reset the SUB-CONTRAST control to its center position.

## White Balance

1. Perform steps 1 through 3 of the Cutoff adjustment.
2. Adjust the appropriate R, G, and B BKG controls until there is no predominant color in the four darkest bars.
3. If necessary, adjust the BLUE and GREEN DRIVE controls until there is no predominant color in the four brightest bars.
4. If there is now a predominant color in the four darkest bars, readjust the R, G, and B BKG controls and repeat step 3 if necessary.
5. Select the all-white display pattern.
6. Adjust the SUB-CONTRAST control until the light meter measures at the mid 10 level.

## Convergence

1. Display the crosshatch I pattern.
2. Adjust the H. STAT control on the CRT board for best overall convergence.
3. Adjust the following controls that appear on the top of the yoke:
  - N/S Amp—Adjust for best convergence of horizontal lines at top and bottom of display
  - Lower Correction—Adjust for best convergence of vertical lines at bottom of display
  - Upper Correction—Adjust for best convergence of vertical lines at top of display

## Geometry

Raster height 7 in (176 mm)

Raster width 9.25 in (235 mm)

