

### PRE-ADJUSTMENT REQUIREMENTS

- Input: 1vp-p color bars w/IWQ, burst and chroma off...into a 1 "IN" 3 "OUT" DA, and connected to the Red, Green and Blue inputs located on the RGB1 module.
- Clamping: select back porch clamping (48 CODE).
- Channel: any channel setup for 15kHz, RGB mode of operation (write protect "OFF"-20 CODE).
- Remote settings: Brightness 95%, Contrast 95%
- Board settings: set Red, Green and Blue Gain Controls on rear of RGB1 module to maximum (clockwise). See Figure 3-9.

### ADJUSTMENT PROCEDURE

- STEP 1: Set CRT Cutoffs

A.) Using the Remote Control, cutoff all three CRT's

B.) Adjust each CRT (R26-G2 control, on each CRT Amplifier card) so that there is no color on each raster as viewed from the lens. then restore CRT cutoffs. Refer to Appendix A for further information.

- STEP 2. Setup grayscale for the RGB1 operation. Refer to Figure 3-8 and 3-9 as required.

A.) GREEN VIDEO: with the O'scope, probe TP2 (backside of Green CRT Amp Board), set Green sub-brite (R179-black level) to +170v above ground and master sub-contrast (R187) for peak white of +40v above ground.

B.) RED VIDEO: with the O'scope, probe TP2 (backside of Red CRT Amp Card), set Red sub-brite (R172-black level) to +170v above ground. if peak white is less than +40v above ground, reduce master sub-contrast (R187) to obtain +40v above ground.

C.) Repeat above step for BLUE VIDEO signal by setting blue sub-brite (R191-black level) to +170v above ground and adjusting master sub-contrast (R187) as necessary to obtain a peak white level of +40v above ground.

D.) If the master sub-contrast (R187) has been adjusted during the above procedure, reduce the respective gain control on the rear of the RGB1 panel to achieve a sub-brite level of +170v above ground and a peak white level of +40v above ground for each color.

E.) As required, readjust the Remote Control brightness and contrast for each channel being used.

- STEP 3. Connect your external RGB source and readjust the rear panel gain controls to achieve a proper color balance of your displayed image. Refer to Figure 3-9.

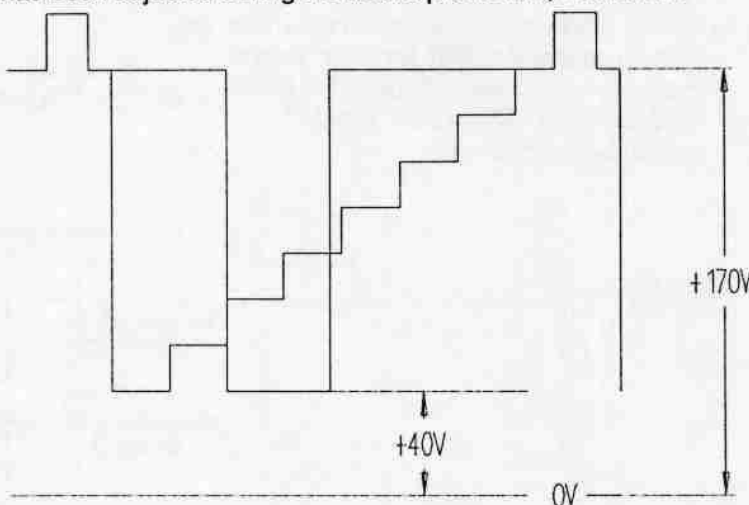


FIGURE 3-8. SETUP PATTERN (STAIRSTEP).

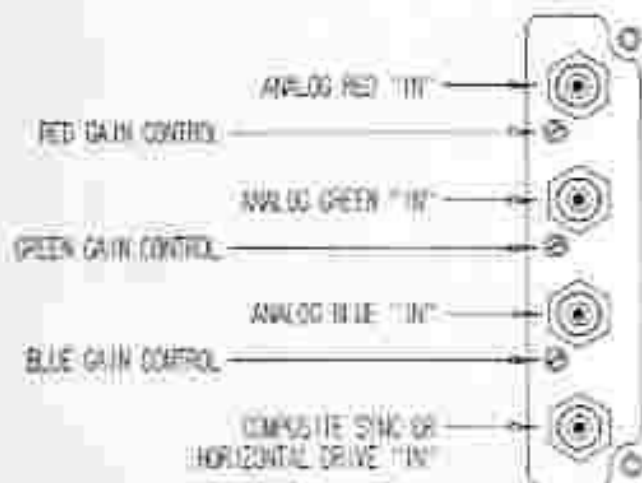
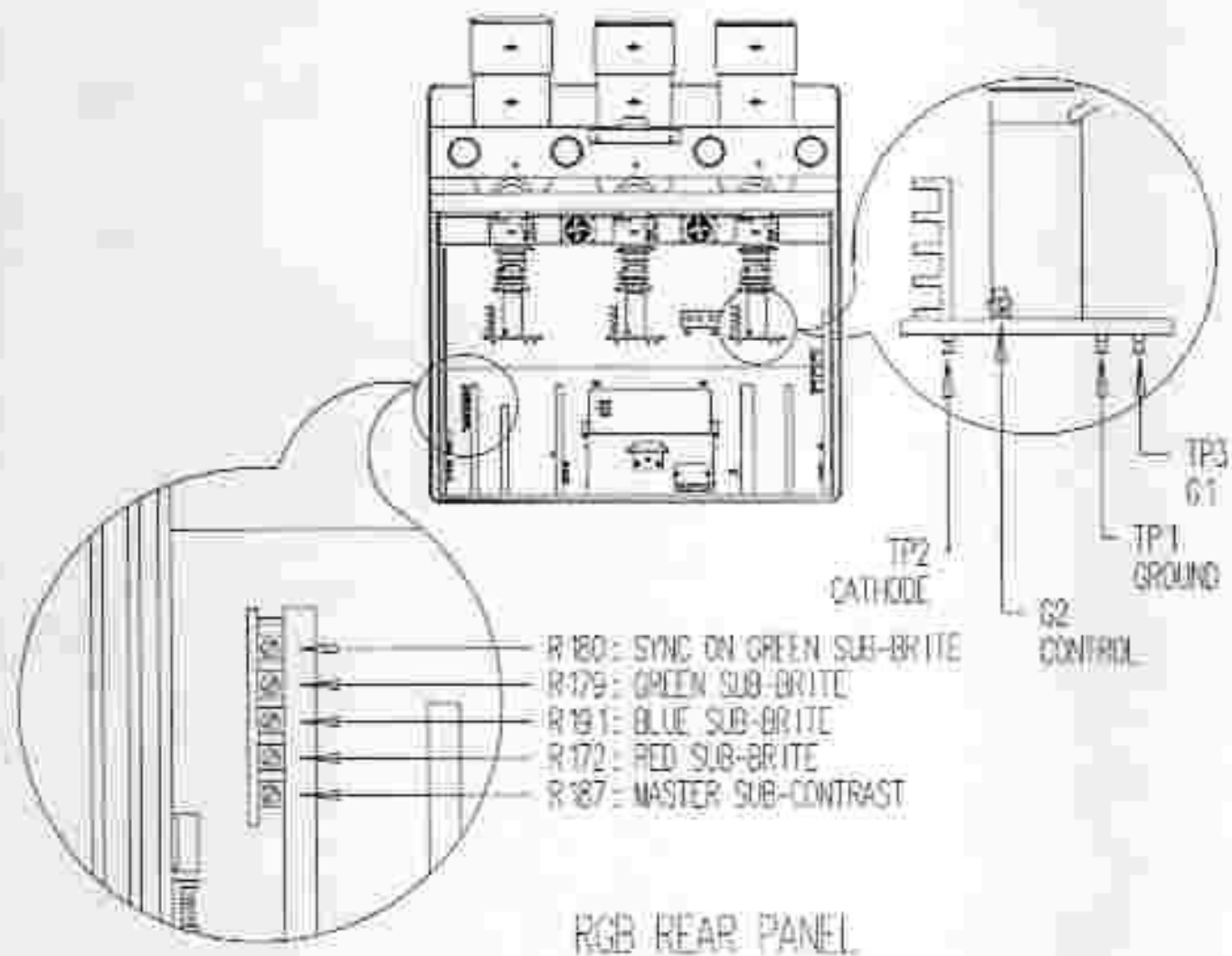


FIGURE 3-9: RGB CRT CARD CONTROLS & DESCRIPTIONS.