

USING A BK PRECISION VIDEO DISPLAY TESTER 490



STANDARD DISCLAIMER

REMEMBER, NO WARRANTIES, EXPRESS OR IMPLIED, ARE GIVEN. USE THIS INFORMATION AT YOUR OWN RISK. I AM NOT RESPONSIBLE FOR ANY DAMAGES THAT MAY OCCUR TO YOUR PERSON OR PROPERTY. PICTURE TUBES ARE DANGEROUS IF HANDLED IMPROPERLY.



Setup

1. The switch in the lower right corner should be set to the **REJUVENATE** position.
2. Set the **G2** switch in the upper left corner to the **NORMAL** position.
3. Attach appropriate adaptor to neck of tube. Tube should be disconnected completely from chassis electronics.
4. Set **HEATER RANGE** dial (lower left corner) to 7-9 position.
5. Turn the large central dial to the **SET UP** position.
6. Set heater to 6.3 volts using the **SET HTR** dial (use the lower scale on the meter directly above the dial).
7. Set **G1** dial to 50 volts (again, use the lower scale on meter directly above the dial).
8. Turn large central dial to **SET CUTOFF** position.
9. Set each of the three meters so they read one notch above the zero position using the dials directly below each meter.



Test

1. Turn the large central dial to the **TEST** position.
2. Ideally, each gun should measure roughly 16-20 in the **GOOD** region.



Restore

1. Set large center dial to **RESTORE** position.
2. Press and hold the **RED-B&W** button until needle drops to the **BAD** (red) region.
3. Let go of button if the **G1-K/SHORT** light comes on. Press the **REMOVE SHORTS** button repeatedly until light goes out.
4. Repeat for green and blue guns (wait a couple of seconds between each gun).
5. If needle bounces erratically, particles are being burned off the gun.
6. Periodically switch to **TEST** mode to look for improvement in readings.
7. Periodically switch to **SET CUTOFF** mode and adjust each gun to one notch above zero.
8. Repeat steps 1-7 until needle moves smoothly down to red region for each gun.