

# PHILIPS L01.1E

## Vg2 Adjustment

1. Activate the SAM.
2. Go to the WHITE TONE sub menu.
3. Set the values of NORMAL RED, GREEN and BLUE to 40.
4. Go, via the MENU key, to the normal user menu and set
  - CONTRAST to zero.
  - BRIGHTNESS to minimum (OSD just visible in a dark room).
5. Return to the SAM via the MENU key.
6. Connect the RF output of a pattern generator to the antenna input. Test pattern is a 'black' picture (blank screen on CRT **without** any OSD info).
7. Set the channel of the oscilloscope to 50 V/div and the time base to 0.2 ms (external triggering on the vertical pulse).
8. Ground the scope at the CRT panel and connect a 10:1 probe to one of the cathodes of the picture tube socket (see diagram B).
9. Measure the cut off pulse during first full line after the frame blanking (see Fig. 8-2). You will see two pulses, one being the cut off pulse and the other being the white drive pulse. Choose the one with the lowest value, this is the cut off pulse.
10. Select the cathode with the highest VDC value for the alignment. Adjust the Vcutoff of this gun with the SCREEN potentiometer on the LOT to the correct value (see table below).
11. Restore BRIGHTNESS and CONTRAST to normal (=31).

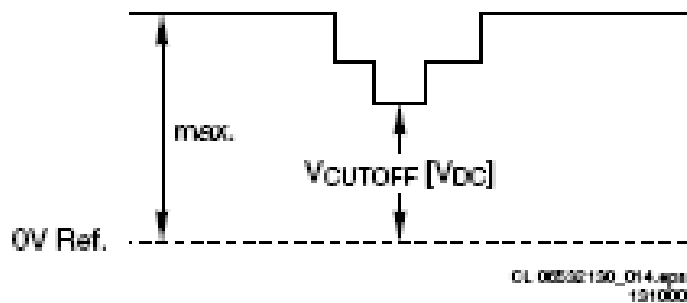


Figure 8-2

CUT-OFF VOLTAGE (L01 LARGE)	
Screen size	Cut-off [V]
21"	125 ± 4
24", 25", 27", 28", 29", 32", 35"	145 ± 10

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Figure 8-3