

TELEVISION TECHNICAL BULLETIN

MODELS	56FW53H	66FW53H	66FW54H	76FW53H
	76FW54H	59ESD7H	66ESD7H	66GF63H
	66GF64H	76GF63H	76GF64H	28HW53H
	32HW53H			

REASON Simplified procedure for the G2 and Grey Scale adjustments.

ACTION Follow the procedure below to set the G2 and Grey scale.

1. Tune the set to the output of a RF signal generator.
2. In the user menu, set the picture levels to the FACTORY settings.
3. In the user menu, set the tint control to its central position.
4. Enter the test mode (see the service manual for procedure).
5. Set the ABL levels in the NVM by adjusting positions 60, 61, 62, 63, 64 and 65 on page 00 to read 80. Store each location by pressing the standby button on the remote control.
6. When the ABL levels have been set, adjust the G2 and grey scale (if necessary) as below.

G2 Adjustment

- i. After setting the ABL levels as above, go to the Red Cut Off adjustment. The following data will appear on the screen.

	(RED)	(GREEN)	(BLUE)
(GAIN)	**	**	**
(CUT OFF)	e.g. 70	**	**

- ii. Using a cross hatch pattern set the G2 control on the line output transformer so that the display in the red cut off box reads between 60 and 80 as indicated above.
- iii. Re-set at least one of the RGB adjustments to force the software to re-set the correct ABL levels. It is suggested that if the grey-scale is good one of RGB gains be adjusted by one point.

Grey Scale Adjustment

- i. Using a grey scale pattern set the Red Cut-off value to 32 and the Red Gain value to 50.
- ii. Leave the Red Cut Off and Gain as above and adjust Green and Blue Cut-off and Gain to achieve correct grey scale tracking. As with all grey scale adjustments it will be necessary to re-adjust the settings to achieve good tracking.

Notes

1. There is no need to store any of the gain or drive settings.
2. When adjusting the grey scale, the figures displayed in the boxes are an indication of the CRT's performance only.
3. These adjustments are for guidance only. If any problems should be encountered the adjustments should be carried out using a Colorimeter as explained in the service manual.

Sharp Electronics (UK) Limited

Reference **JC180100 - 1**

Revision **4**

White – Carry out as required,

Yellow – Carry out as required and whenever the unit comes in for service

Red – Carry out on all units