

ADJUSTMENT INSTRUCTIONS

(调整说明)

IIC ADJUSTMENTS

Most of the adjustment items in S6 chassis are control by IIC. Any changes on CRT, CPU IC, Video/Chorma IC or V. deflection IC(I601), please readjust the items shown in table 1.

To start the IIC adjustment, please ensure the AC power switch is at "off" position. Press the

TV/VIDEO button on the front panel and then press the power switch while pressing **TV/VIDEO** button. Release all butttons after the following displays appeared on screen.

NO.	DATA	
001	: 28	
002	: 28	← Select the Adjust items by ▲ or ▼ cursor
003	: 28	
004	: 80	
005	: 80	← Adjusts the selected item by ◀ or ▶ cursor
006	: 06	
007	: 75	
008	: 40	
◀▶ : ADJUST		
ENTER : MEMORIZE		

To select the adjustment items(e.g. H phase, sub-brightness level etc .), press the ▲ or ▼ cursor button on Remote control handset To adjust the data of selected item, press the ◀ or ▶ cursor button on Remote control handset

After completed the adjustments, press the **ENTER** button on Remote control handset (memorized). Press **MENU** button or turns off the TV set to end the IIC adjustment

VERTICAL CENTER ADJUSTMENT

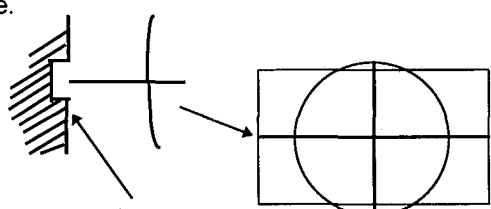
PREPARATION		PROCEDURES	
1	Turns on the TV set & heat run about 5 min.	1	Select the IIC control address No 54.
2.	Receive the circular pattern signal	2.	Set the horizontal center line to vertical center marker of CRT by adjustment of IIC.
3.	AC 220+ - 1v		i.e.
			

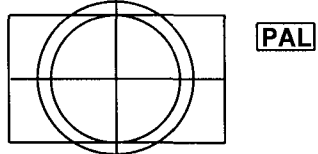
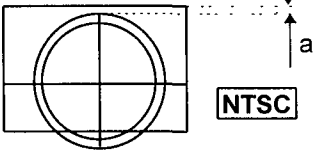
TABLE 1. IIC BUS CONTROL/ADDRESS

ADJ No.	NAME OF ADJUSTMENT	DATA DISPLAY	INITIALIZE	DJUST WHEN CHANG		
			DATQA	EMOR	CPT	V/C IC
1	R CUT OFF	0~255	0	○	○	○
2	G CUT OFF	0~255	0	○	○	○
3	B CUT OFF	0~255	0	○	○	○
4	G DRIVE GAIN	0~255	80	○	○	○
5	B DRIVE GAIN	0~255	80	○	○	○
6	HORIZONTAL POSITION	0~31	10	○	○	○
7	SUB-COLOUR	-127~+127	0	○	X	X
8	SUB-TINT	-63~+63	0	○	X	X
9	SUB-BRIGHT	-127~+127	0	○	X	X
10	SUB-CONTRAST	-127~+127	0	○	X	X
11	SUB-SHARPNESS	-31~+31	0	○	X	X
12	Y-SUB-CONTRAST	-16~+16	0	○	X	X
13	P/N KILL	0, 1	0	○	X	X
14	DTrp-SWTCH	0, 1	1	○	X	X
15	R-MON	0, 1	0	○	X	X
16	B-MON	0, 1	0	○	X	X
17	SUB-RGB-CONTRAST	-127~+127	0	○	X	X
18	AUDIO-ATT GAIN	0~127	0	○	X	X
19	γ ON/OFF	0, 1	0	○	X	X
20	WHITE PEAK LIMIT SWITCH	0, 1	0	○	X	X
21	PEAK ACL SWITCH	0, 1	0	○	X	X
22	BLUE BACK MODE SELECT	0~3	0	○	X	X
23	Y-DELAY TIME	0~7	4	○	X	X
24	AFC MODE	0~3	0	○	X	X
25	H-OUT CLOCK SWITCH	0, 1	0	○	X	X
26	B.S. OFF	0, 1	0	○	X	X
27	CHROMA TRAP ON/OFF SW	0, 1	0	○	X	X
28	BLACK OFFSET SECAM JUDGESW	0, 1	0	○	X	X
29	P/N TOF ON/OFF SW	0, 1	0	○	X	X
30	PAL GATE POSITION	0, 1	0	○	X	X
31	COLOUR LIMIT ON/OFF	0, 1	0	○	X	X
32	WIDE V-BLK ON/OFF	0, 1	0	○	X	X
33	WIDE PICTURE MUTE ON/OFF	0, 1	0	○	X	X
34	SECAM DETECT	0, 1	0	○	X	X
35	3.58TRAP	0, 1	0	○	X	X
36	FORCE B/WSWITCH	0, 1	0	○	X	X
37	X' TAL MODE	0~7	0	○	X	X
38	R-Y SECAM W/B	0~15	8	○	X	X
39	B-Y SECAM W/B	0~15	8	○	X	X
40	COLOUR LIMIT LEVEL	0~3	2	○	X	X
41	P/N COLOR AMPLITUDE ADJUST	0~3	0	○	X	X
42	TOF Q ADJUSTMENT	0~3	2	○	X	X
43	TOF FO ADJUSTMENT	0~3	0	○	X	X
44	CHROMA TRAP Q CONTROL	0~3	2	○	X	X
45	CHROMA TRAP FO CONTROL	0~3	2	○	X	X
46	BLACK STRETCH START POINT	0~7	4	○	X	X
47	DC CORECTION LEVEL SW	0~7	0	○	X	X
48	APA-CON PEAK FO SWITCH	0~3	2	○	X	X
49	APL DETECT VOLTAGE	0~7	4	○	X	X
50	APL SENSITIVITY	0~7	0	○	X	X
51	HALF TON GAIN SW	0~3	2	○	X	X
52	H BLK POSITION	0~7	0	○	X	X
53	V. FREQUENCY	0~3	0	○	X	X

TABLE 1. IIC BUS CONTROL/ADDRESS(CONTINUE)

54	V. POTISION	0~7	0	○	○	○
55	V. SIZE	0~127	40	○	○	○
56	SW FOR SIGNAL OF DET	0~3	2	○	X	X
57	V. S CORECTION	0~127	40	○	○	○
58	SELECT FOR BASE LINE OF DRIVE	0, 1	0	○	○	○
59	V LINEARITY	0~31	0	○	○	○
60	V-COUNT DOWN MODE SW	0, 1	0	○	X	X
61	ALL DRIVEGAIN FORCE CENTRE SW	0, 1	0	○	X	X
62	SW FOR TIME CONSTANT OF V RAMP	0, 1	1	○	X	X
63	SELECT FOR POSITION OF FRONT OF VERTIC	0~63	3F	○	X	X
64	BLANKING ON/OFF	0, 1	0	○	X	X
65	SELECT FOR POSITION OF BACK OF VERTICA	0~127	0	○	X	X
66	SW FOR DET LEVEL OF NOIZE	0~3	2	○	X	X
67	SELECT FOR PRE-MUTE OF PICTURE	0~63	3F	○	X	X
68	SELECT FOR MATRIX AT 1H	0, 1	0	○	X	X
69	SELECT FOR AFTER MUTE OF PICTURE	0~127	0	○	X	X
70	SW FOR COLOR & Q OF SECAM ON WEEK SIGN	0, 1	0	○	X	X
71	ADJUSTMENT FOR AMPRITUD OF COLOR ON SE	0, 1	0	○	X	X
72	SELECT FOR TIME CONSTANT OF DE-EMPHASI	0, 1	0	○	X	X
73	SECAM GATE POSITION SW	0, 1	0	○	X	X
74	SECAM V-ID ON/OFF SWITCH	0, 1	0	○	X	X
75	SECAM KILLER SENSITIVITY	0, 1	0	○	X	X
76	BELL FILTER ADJUST	0~3	1	○	X	X
77	INT/EXT SW	0, 1	0	○	X	X
78	AUDIO MUTE ON/OFF	0, 1	0	○	X	X
79	COLOR SYSTEM SW	0~3	0	○	X	X
80	MUTE MODE	0~3	0	○	X	X
93	OPERATE AT PICK UP NOIZE	0, 1	0	○	X	X
94	INPUT LEVEL ADJUST	0~63	20	○	X	X
95	FH MONITOR ON/OFF	0, 1	0	○	X	X
96	STEREO VCO ADJUST	0~63	20	○	X	X
97	PILOT CANCELER ON/OFF	0, 1	0	○	X	X
98	FILTER ADJUST	0~63	3F	○	X	X
99	FILTER ADJUST	0~63	20	○	X	X
100	LOW FREQ. SEPARATION ADJUST	0~63	20	○	X	X
101	HIGH FREQ. SEPARATION ADJUST	0, 1	0	○	X	X
102	5fH MONITOR	0~63	20	○	X	X
103	SAP VCO ADJUST	0, 1	1	○	X	X
104	MUTE ON/OFF	0~63	15	○	X	X

VERTICAL SIZE ADJUSTMENT

PREPARATION		PROCEDURES	
1	Turns on the TV set & heat run about 5 min	1	Select the IIC control address No 55
2	Receive circular pattern signal (PAL).	2	Adjust IIC data to obtain the following condition i.e
3	Set all picture settings to normal condition(i.e Brightness Max, Others 0)		
4	AC 220 +-1V		<p>PICTURE TOP Inner circle reach the edge of TV raster</p> <p>PICTURE BOTTOM Inner circle reach the edge of TV raster</p>
		3	Receive the NTSC circular signal, and check the picture size after the above V size adjustment.
		4	If a > 0mm, go back to IIC control No 54(V-center adjustment), increase the IIC data by 1 position
			

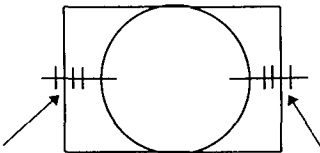
SIDE PIN-CUSHION DISTORTION ADJUSTMENT

PREPARATION		PROCEDURES	
1	Perform this adjustment after the purity and convergence adjustment	1.	Adjust R656 so that all vertical lines except the lines at both the left and right ends are straight
2	Receive the circular pattern signal	2	Receive the Cross Hatch signal, check that the vertical lines are straight except the 1st outer vertical line(R/L).
3	Set the Contrast to max and Back level to normal		
4	The horizontal size adjustment		
5	Set the horizontal size VR R657 to the mechanical center.		
6	Perform this adjustment after the Vertical size adjustment		

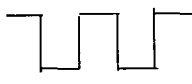
HORIZONTAL CENTER ADJUSTMENT

PREPARATION		PROCEDURES	
1	Perform this adjustment after the Side pin adjustment	1	Select the IIC control address No 06
2	Receive the circular pattern signal	2	Adjust the picture center to meet the CRT geometrical center.

HORIZONTAL SIZE ADJUSTMENT

PREPARATION		PROCEDURES	
1	Perform this adjustment after H center adjustment	1	Turn R657 to Max(clockwise)
2	Receive the HITACHI circular pattern signal(PAL)	2	Adjust R657 so that the average reading of right and left is 1.5 ± 0.5
3	Set the Contrast at Max, and others at 0(center)		ie 

WHITE BALANCE ADJUSTMENT

PREPARATION		PROCEDURES													
1	Switch on the TV set for at lease 20mins.	1.	Connect and measure the waveform at No 5 pin of connector PY1(or pin 14 of I501)												
2	Adjust this adjustment after the Purity adjustment	2	Select the IIC Control address No 01(Cut-off red) and adjust the data to obtain the following waveform at pin 5 of PY1												
3	Ensure the vertical incident illuminatin on CRT surface to be 20 lux or less														
4	Receive the white balance raster.	3	Select the IIC control address No 02(Cut-off green) and No 03(Cut-off blue), adjust both datas to the same data number as in address No 01												
5	Set the following settings by Remote control handset. Contrast Max Brightness Center Color Min	4	Select the IIC control address No 04(Blue drive) and No 05(Red drive), adjust both datas to 80												
		5	Turn the screen VR of FBT fully counter-clockwise.												
		6	Press the TV/VIDEO button 3 times to obtain the lateral line mode												
		7	Turn the screen VR clockwise and set it to the position where the bright colored line starts to appear												
		8	Release the lateral line mode by pressing TV/VIDEO button once												
		9	Set the W/B meter probe at the center of the screen												
		10	Do the W/B adjustment to the desired W/B color temperature by using the following keys of IIC												
			<table><tr><th colspan="2">IIC Adress No</th></tr><tr><td>R BKG</td><td>01</td></tr><tr><td>G BKG</td><td>02</td></tr><tr><td>B BKG</td><td>03</td></tr><tr><td>R DRIVE</td><td>04</td></tr><tr><td>B DRIVE</td><td>05</td></tr></table>	IIC Adress No		R BKG	01	G BKG	02	B BKG	03	R DRIVE	04	B DRIVE	05
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B BKG	03														
R DRIVE	04														
B DRIVE	05														
		Note	To obtain the low brightness and high brightness conditions, adjust the Brightness control of remote control handset												