

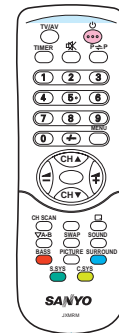
FILE NO.

SERVICE MANUAL Colour Television

Model No. CE29KF8R

(Russia)

Service Ref. No. CE29KF8R-50



Specifications

- Power Source AC110-240V, 50Hz/60Hz.
- Colour System PAL/SECAM/NTSC4.43/NTSC/PAL-60Hz
- Television System B/G, I, D/KK', MM
- Channel Coverage VHF: E2 - E12, R1 - R12, K1 - K9, J1 - J12, A2 - A13
UHF: 21 - 69, A14 - A69, J13 - J62
CATV: S1-S41, X, Y, Z, Z+1, Z+2
- Video IF 38.0MHz
- Aerial Input Impedance . . 75Ω
- Ext. Terminals
 - Video inputs: Phono jack x 2 (1Vp - p, 75Ω)
 - S-Video inputs: Din 4 pin x 1 (Separate Y/C signal input)
 - Audio inputs: Phono jack (L/R) x 2 (436mVrms, more than 40KΩ)
 - Video monitor outputs: Phono jack x 1 (1Vp - p, 75Ω)
 - Audio monitor outputs: Phono jack (L/R) x 1 (436mVrms, less than 600Ω)
 - Headphone jack: Mini stereo jack x 1
- Sound Output (RMS) 10W + 10W
- Speaker 8 cm × 13 cm × 2
- Dimensions 515.8 (W) × 582.8 (H) × 503.8 (D)mm
- Weight approx. 47.2 Kg

Specifications subject to change without notice.

Product Code: 111363315

Original Version

Chassis Series: FC3-G2

(Software: AC5-G2)

Give complete "SERVICE REF. NO." for parts order or servicing. It is shown on the rating plate at the cabinet back of the unit.

This T.V. receiver will not work properly in foreign countries where the television transmission system and power source differ from the design specifications. Refer to the specification table.

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Safety Notice

SAFETY PRECAUTIONS

- | | |
|--|--|
| 1: An isolation transformer should be connected in the power line between the receiver and the AC line when a service is performed on the primary of the converter transformer of the set. | 3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, isolation resistor-capacitor networks etc.. Before returning any television to the customer, the service technician must be sure that it is completely safe to operate without danger of electrical shock. |
| 2: Comply with all caution and safety-related notes provided on the cabinet back, inside the cabinet, on the chassis or the picture tube. | |

X-RADIATION PRECAUTION

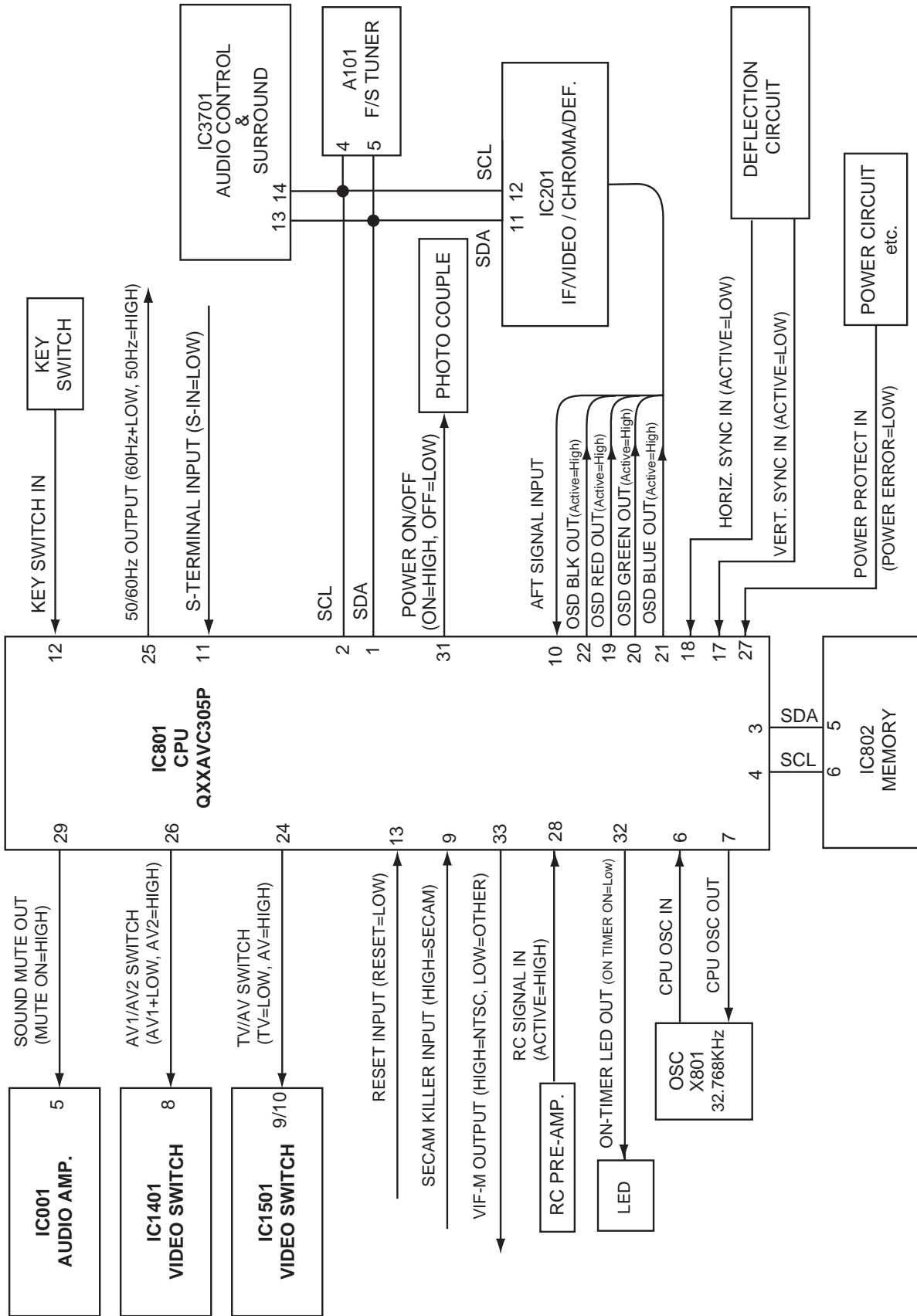
The primary source of X-RADIATION in television receiver is the picture tube. The picture tube is specially constructed to limit X-RADIATION emissions. For continued X-RADIATION protection, the replacement tube must be the same type as the original including suffix letter. Excessive high voltage may produce potentially hazardous X - RADIATION. To avoid such hazards, the high voltage must be maintained within specified limit. Refer to this service manual, high voltage adjustment for specific high voltage limit. If high voltage exceeds specified limits, take necessary corrective action. Carefully follow the instructions for + B1 volt power supply adjustment, and high voltage check to maintain the high voltage within the specified limits.

PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by mark \triangle in the parts list and the schematic diagram designate components in which safety can be of special significance. It is particularly recommended that only parts designated on the parts list in this manual be used for component replacement designated by mark \triangle . No deviations from resistance wattage or voltage ratings may be made for replacement items designated by mark \triangle .

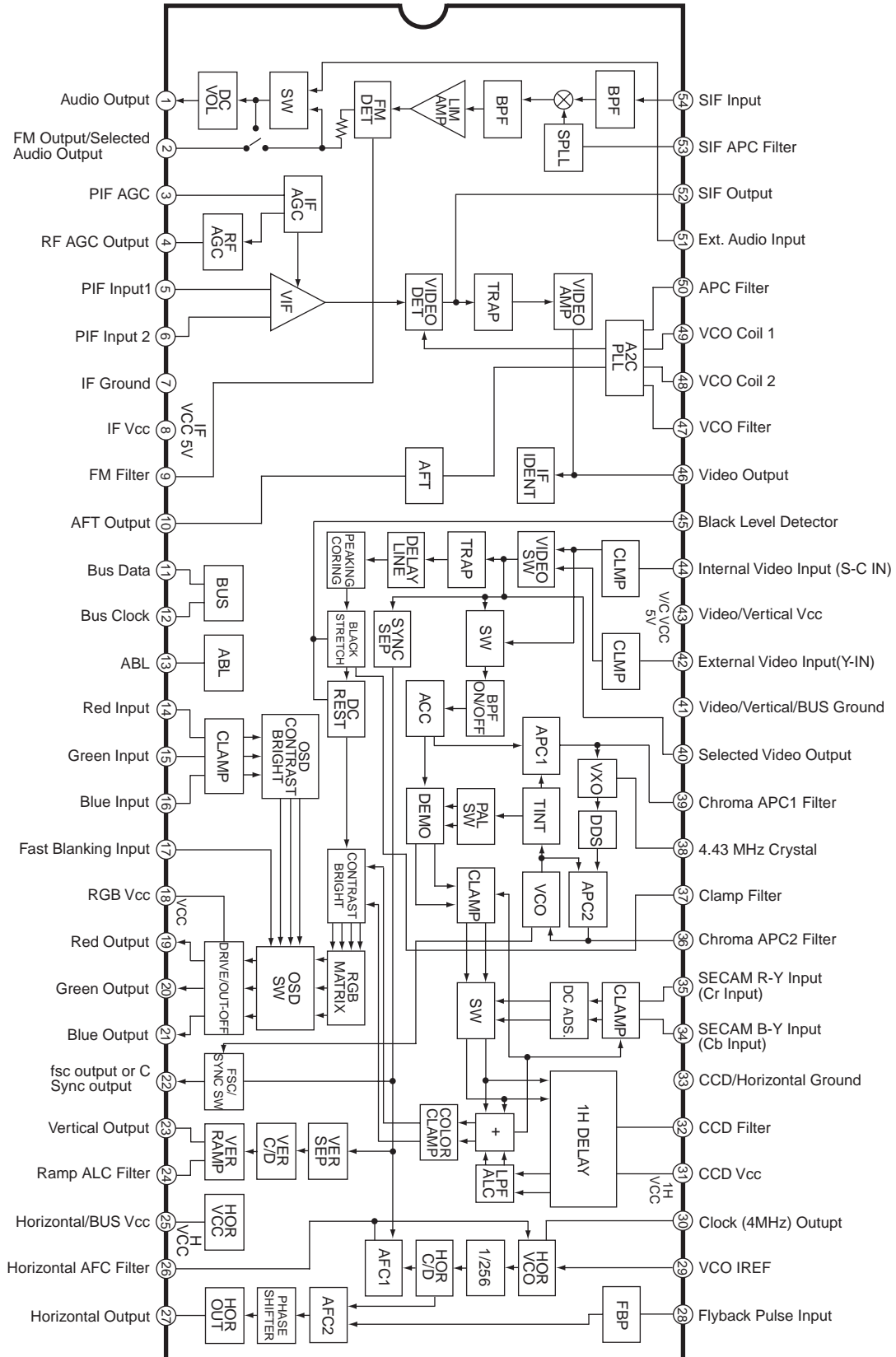
Chassis Block Diagrams

SYSTEM CONTROL



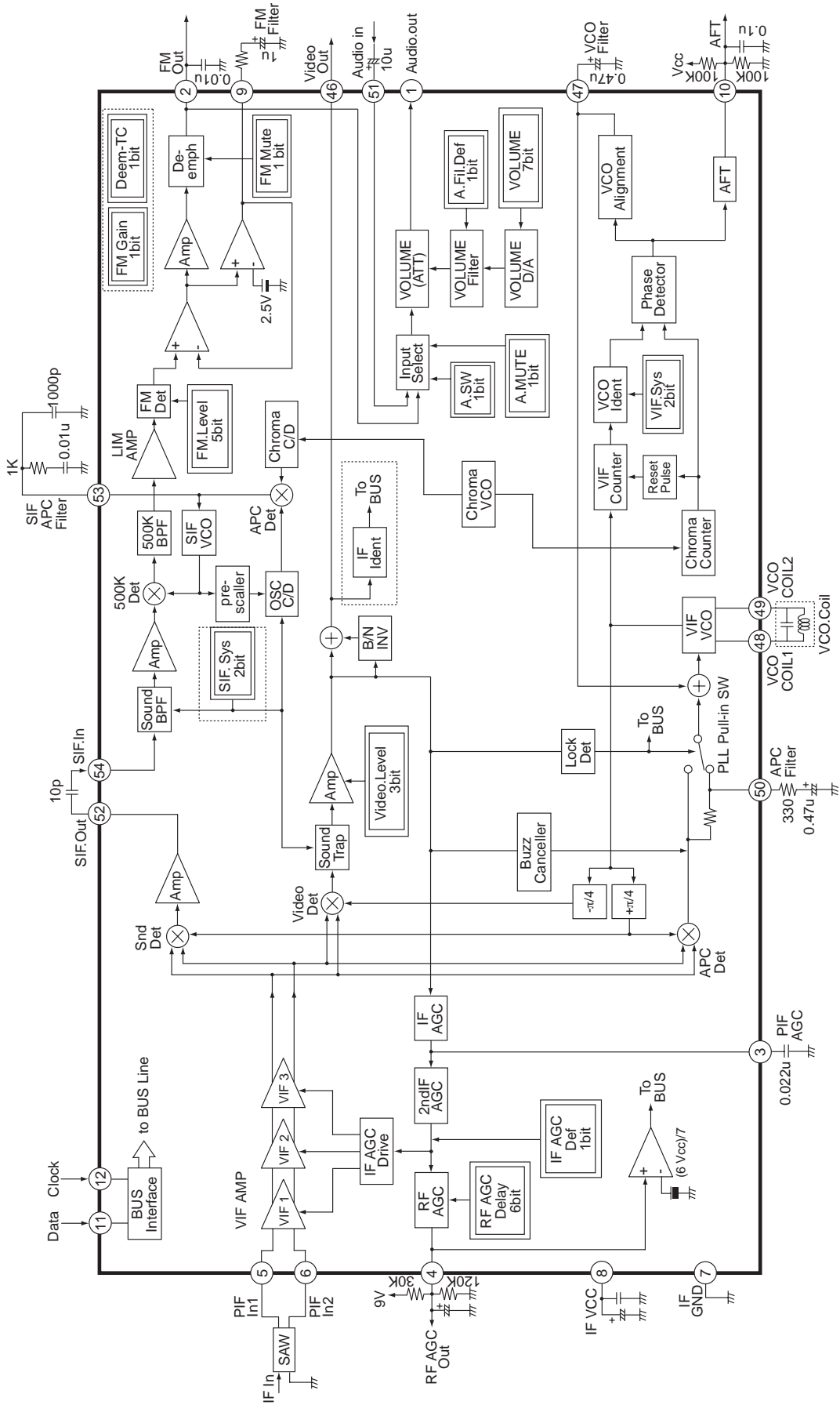
IC Block Diagrams

IC201 < IF/Video/Chroma/Def. > LA76818A



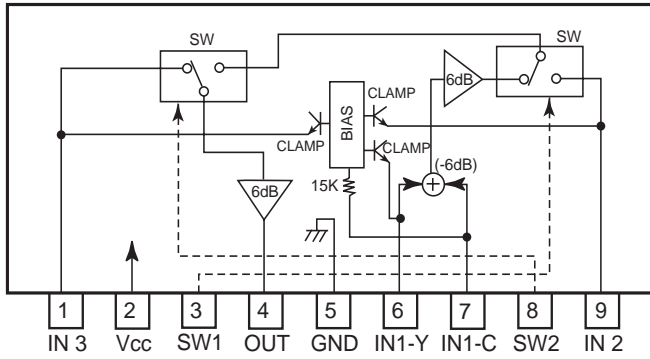
IC Block Diagrams

IC201 <IF System Block Diagram> LA76818A



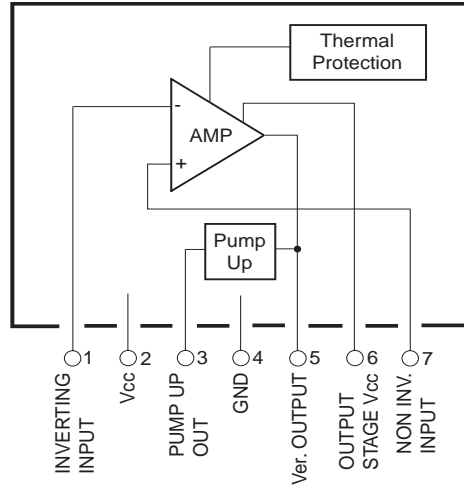
IC Block Diagrams

IC1401 < VIDEO Switch > MM1188XS

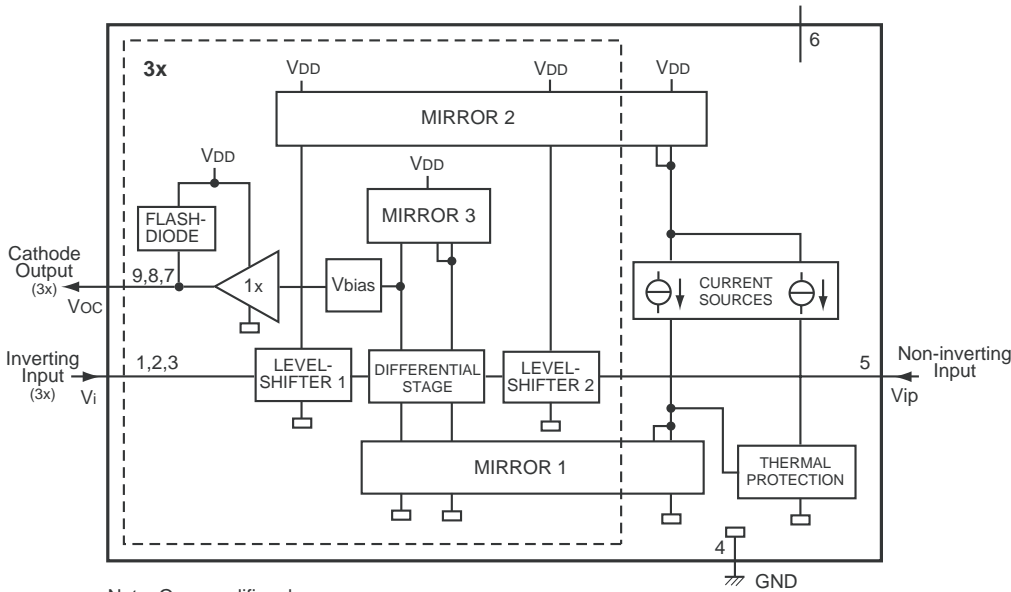


SW1	SW2	OUT
L	L	IN 1
H	L	IN 2
-	H	IN 3

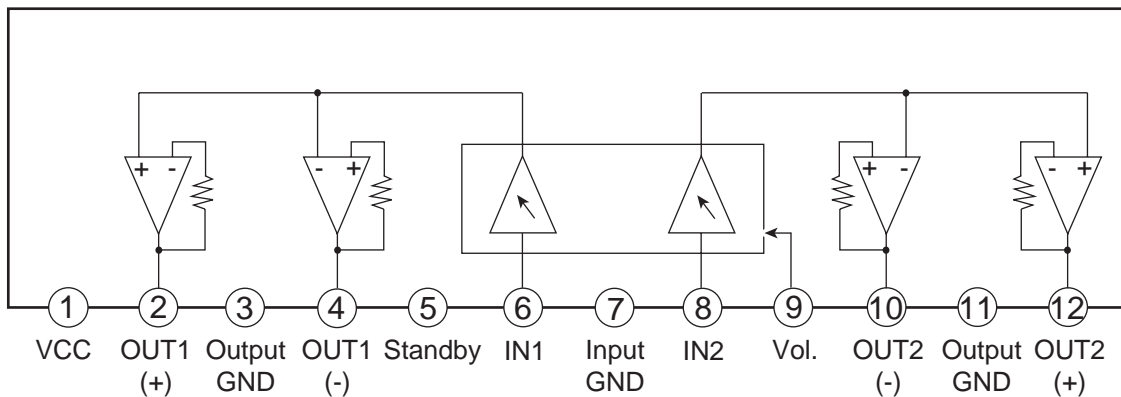
IC501 < Vertical Output > TDA9302H/LA78040N



IC701 < Triple Video Output Amplifier. > TDA6103Q

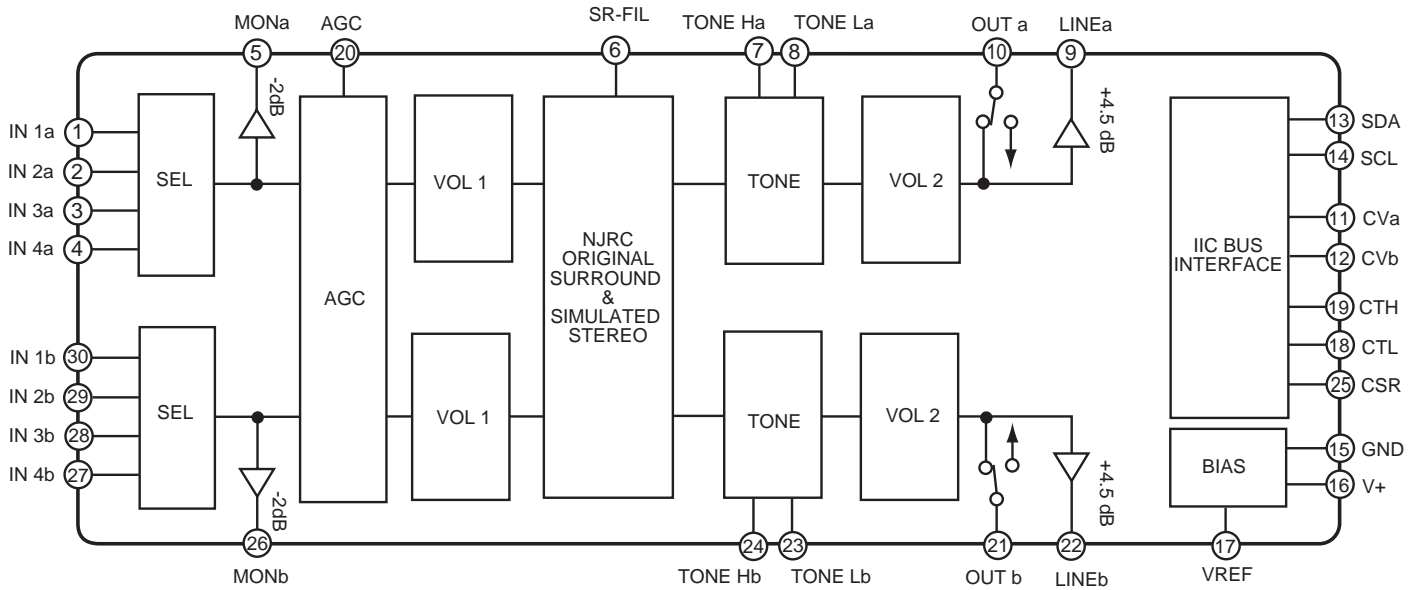


IC001 < Audio AMP.> AN17820B

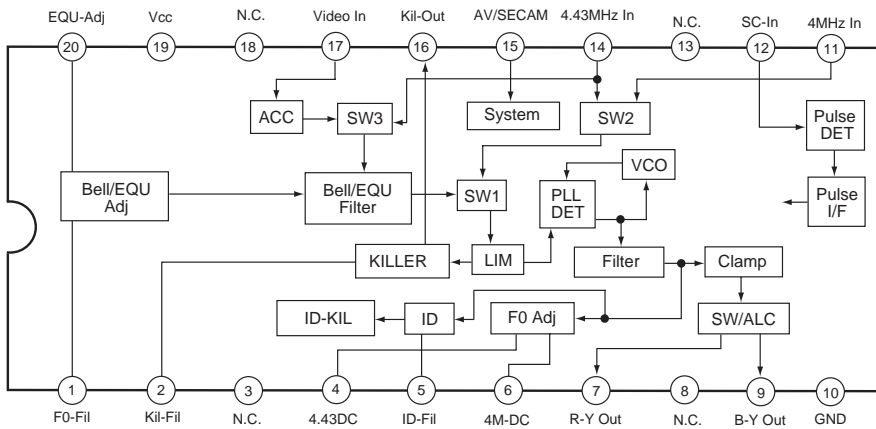


IC Block Diagrams

IC3701 < Audio Control & Surround > NJW1142M



IC281 < Secam Decoder > LA7642NM-TLM-E



Service Information

■ Protection Circuit

This TV set has a built-in power supply protection circuit.

It is provided to protect the TV set in case of a power supply circuit malfunctions. When something abnormality occurs during TV reception, the TV set goes to the stand-by mode.

When an abnormality occurs during TV reception, it causes pin 27 of the CPU to go continually Low for about one second. The CPU detects that this has occurred and outputs the signal from pin 31 to switch off the power supply lines.

Releasing the protective circuit and restoring power supply

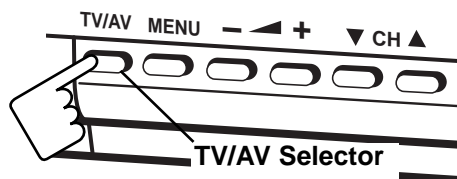
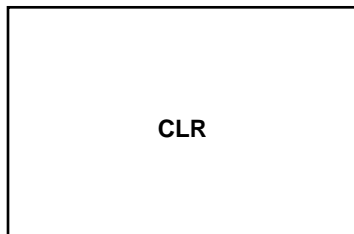
To release the protective circuit and restore power supply, turn the power to the TV set OFF and then ON again via either the main power switch or the ON-OFF button on the remote control. This will work only if the power supply trouble was temporary. If there is permanent trouble such as a damaged circuit, power cannot be restored and the circuit will have to be repaired.

Service Adjustments with Replacing Memory IC(IC802)

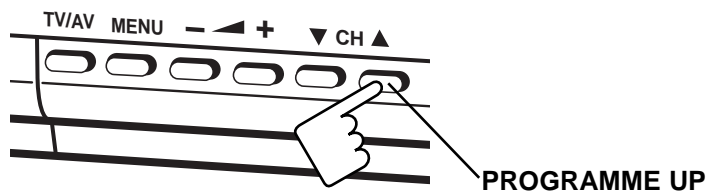
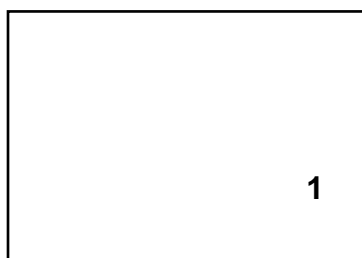
Note: The CPU (IC801) and memory IC (IC802) store the service adjustments data and controls data for each circuit. When the Memory IC (IC802) is replaced, some of the service adjustments should be readjusted to obtain the best performance. The necessary service adjustments are carried out by using the RC handset. Please set up the TV set with following steps [1] to [2].

[1] Initializing Procedure

1. Put a new memory IC.
2. Turn on the TV set.
3. Press and hold the **TV/AV Selector** on the TV set for more than 2 seconds. The following picture appears on the screen.



4. Press the **PROGRAMME UP** on the TV set while the above On-Screen Display is still on the screen. The following picture appears on the screen.



This completes the initialization of memory IC.

Following shows the initialized contents of memory data by this procedure.

- Plug & Play : No executed
- Inhibit Data : Cancelled
- Ch Skip Data : Cancelled
- Sound Volume Data : 10/63 steps.
- Volume Lock : OFF
- Tuning Lock : OFF
- Music Mode : OFF
- AV Start : OFF
- Colour System : AUTO

[2] Required Service Adjustments

Readjust the following service adjustments.

<u>Adjustments</u>	<u>Service Mode No. & Item</u>
RF AGC	Item 01, RF AGC
Horizontal centre	Item 02, H-PHA
Vertical size	Item 04, V-SIZ
Vertical-S correction	Item 05, V-SCO
Vertical linearity	Item 06, V-LIN
Gray scale	Item 14-17, 19-21

Further adjustment please refer to page 12 and 13.

Service Adjustments with Replacing Memory IC(IC802)

Following table shows the initial values which have been stored in the CPU ROM, and items for the service adjustments.

Service mode adjustments table in CPU ROM

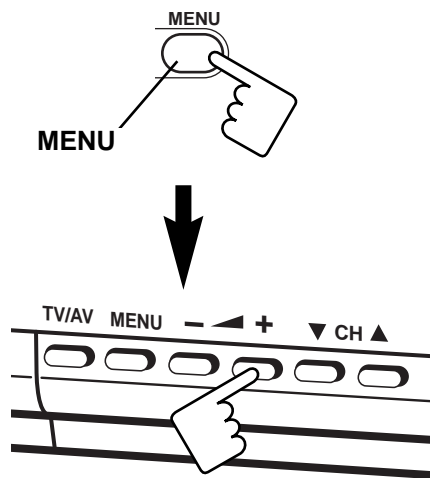
No.	ITEM	DATA RANGE	INITIAL SETUP DATA	DESCRIPTION
01	RFAGC	0~63	30	RF AGC Adj.
02	H-PHA	0~31	12	H-Phase (H-Centering) Adj. (50Hz)
03	V-POS	0~63	40	V-Position (V-Centering) Adj. (50Hz)Fixed.
04	V-SIZ	0~127	39	V-Size Adj. (50Hz)
05	V-SCO	0~31	21	V-S Correction (50Hz)
06	V-LIN	0~31	20	V-Linearity Adj. (50Hz)
07	H-P60	-16~+15	+3	H-PHASE Adj. (60Hz)
08	V-S60	-64~+32	0	V-Size Adj. (60Hz)
09	OSDHP	0~255	36	OSD H-Position Adj.
10	OSDC	0~127	45	OSD Contrast Adj.
11	V-SCP	0~7	7	Correction of the V-size accompanying brightness change.
12	H-SCP	0~7	7	Correction of the H-size accompanying brightness change.
13	SBIAS	0~127	105	Sub Bias Adj. (Do not change)
14	RBIAS	0~255	0	Red Bias Adj.
15	GBIAS	0~255	0	Green Bias Adj.
16	BBIAS	0~255	0	Blue Bias Adj.
17	RDRIV	0~127	64	Red Drive Adj.
18	GDRIV	0~15	8	Green Drive Adj.
19	BDRIV	00~127	64	Blue Drive Adj.
20	1-LINE APPEAR			White Balance Adj.
21	DRV			White Balance Adj.
22	B-YD	0~15	9	B-Y DC level Adj.
23	R-YD	0~15	10	R-Y DC level Adj.
24	B-YDN	-16~+15	0	NTSC B-Y DC level Adj.
25	R-YDN	-16~+15	0	NTSC R-Y DC level Adj.
26	SBDC	-16~+15	-8	SECAM B-Y DC level Adj.
27	SRDC	-16~+15	-5	SECAM R-Y DC level Adj.
28	G-YA	0,1	0	G-Y angle Adj.
29	RBGB	0~15	8	R-Y, B-Y Gain Balance Adj. (Do not change.)
30	RBAG	0~15	8	R-Y, B-Y Angle Adj. (Do not change.)
31	G-YAN	0,1	0	NTSC G-Y Angle Adj.
32	RBGBN	-16~+15	0	NTSC R-Y, B-Y Gain Balance Adj.
33	RBAGN	-16~+15	0	NTSC G-Y, B-Y Angle Adj.
34	COGV	0~3	0	Coring Gain Adj.
35	BLKS	0~3	3	Setting of Black stretch start.
36	BLKG	0~3	3	Setting of Black stretch gain.
37	BRTA	0,1	0	On and off of ABL.
38	BRST	0,1	0	Setting of ABL.
39	BRTH	0~7	0	Setting of ABL.
40	WPL	0~3	3	White peak limiter.
41	YGAM	0~3	0	Y Gamma setting.
42	PORW	0,1	0	Switching of Pre-shoot and Over shoot in AV mode.

No.	ITEM	DATA RANGE	INITIAL SETUP DATA	DESCRIPTION
43	PORS	0~3	2	Pre-shoot/Over shoot Adj. in AV mode.
44	RFCO	0~3	3	RF Coring Gain Adj.
45	PORWN	0,1	0	Switching of RF Pre-shoot and Over shoot.
46	PORSN	0~3	0	RF Pre-shoot/Over shoot Adj.
47	TINT	-16~+15	0	RF Tint Adj.
48	TINT443	-16~+15	-12	NTSC 4.43 Tint Adj.
49	SHRF	-32~+31	0	RF Sharpness Adj.
50	TEXTC	-128~+127	0	OSD TEXT Contrast.
51	VOLUM	0~255	127	Volume Control Adj.
52	DEEM	0~1	0	De emphasis TC.
53	VIFSW	0~3	0	VIF System Switch.
54	SIFSW	0~3	1	SIF System Switch.
55	V-LVL	0~7	4	Video Level Adj.
56	FMLVL	0~31	16	FM Level Adj.
57	IFOM-S	0,1	0	Over Modulation Switch
58	IFMN-S	0,1	1	Audio Monitor Switch
59	IFTRAPS	0,1	1	SIF Trap Switch ON/OFF
60	IFMLVL	0~255	136	Video Level & Modulation
61	TRAP-T	0~7	4	Trap Test
62	H-FRQ	0~63	34	Horizontal Frequency
63	FBTS	0,1	0	FBT Blanking Switch
64	COOP	0~7	7	Color Killer Option
65	HBLKL	0~7	7	H-Blanking Control. (Left)
66	HBLKR	0~7	3	H-Blanking Control. (Right)
67	AFCRF	0,1	0	RF AFC gain & Gate Adj.
68	VSRF	0,1	0	RF Vert. Sync. Separation Adj.
69	CDMRF	0~7	0	RF Vert. Count-Down Circuit Adj.
70	AFCAV	0,1	1	AV AFC Gain & Gate Adj.
71	VSUAV	0,1	0	AV Vert Sync. Separation Adj.
72	CDMAV	0~7	0	AV Vert Count-Down Circuit Adj.
73	HLVDRF	0,1	1	H Lock, V Detect RF
74	HLVDAV	0,1	1	H Lock, V Detect AV
75	VCO-SW	0,1	0	C-VCO Adj. Switch
76	VCO-ADJ	0~3	3	C-VCO Adj.
77	CROSS-BW	0~3	0	Output Pattern Picture
78	AVNCON	0~127	64	AV Blue Back Signal Contrast
79	AVNBRI	0~127	64	AV Blue Back Signal Brightness
80	POMT	0~127	25	Power Mute Time Adj.
81	CHMT	0~31	10	Channel Change Mute time Agj.
82	SYST	0~15	5	The number of times that a colour system AUTO is judged.
83	S-STE	0~3	2	Stereo/Mono Option. 0=MONO, 1=SIMPLE AV STEREO, 2,3=AV STEREO
84	VOLTBL	0~1	1	Volume Table
85	MPP	0,1	0	Multi Personal Preference function on/off 0=without M.P.P., 1=with M.P.P.

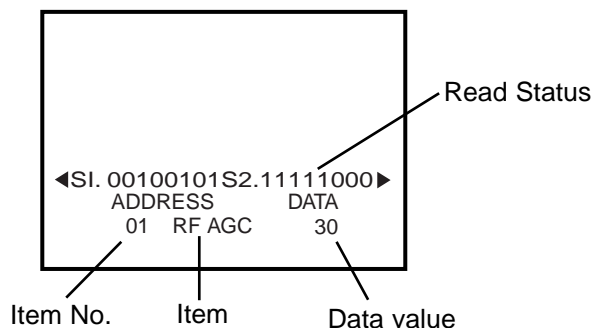
Service Adjustments with Replacing Memory IC(IC802)

[Entering to Service Mode]

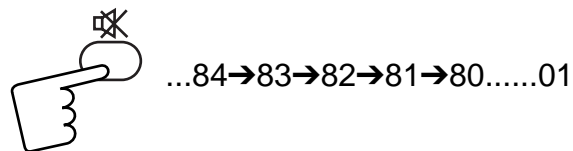
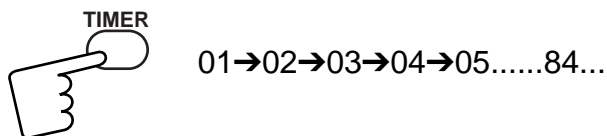
1. Press and hold the **MENU** button on the Remote Control and press the **VOLUME (+)** button on the TV set. Following setting items appears on the screen.



Display for [RF AGC] RF AGC adjustment

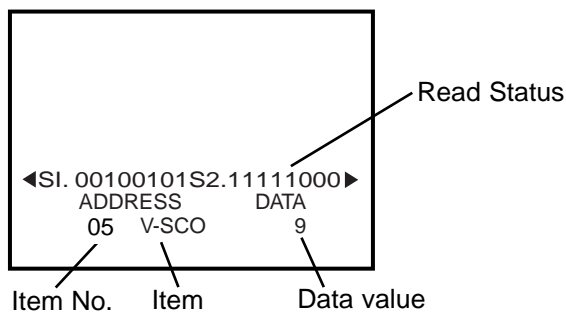


2. Select item by pressing the **TIMER** (Item No. UP) or **SOUND MUTE** (Item No. DOWN) button on the remote control handset.

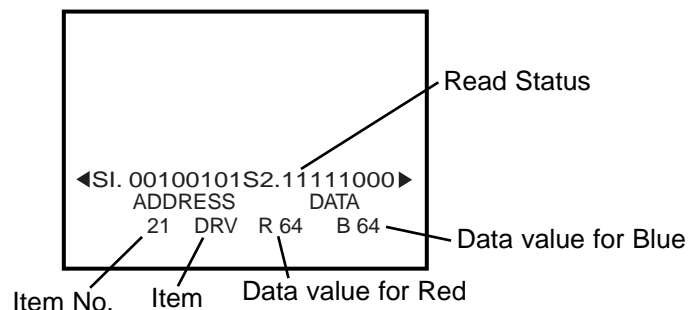


Example

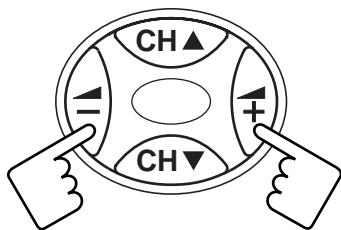
Display for [V-SCO] V-S Correction adjustment



Display for [DRV] White balance adjustment



3. Adjust data value by pressing the **VOLUME +** or **VOLUME -** button on the remote control handset.



To return to normal TV mode, press the **MENU** button on the TV set or the remote control handset.

Service Mode Adjustments

Following adjustments should be carried out when the memory IC is replaced. How to enter the service mode and adjust values, please refer to "Entering to Service mode" on page 12.

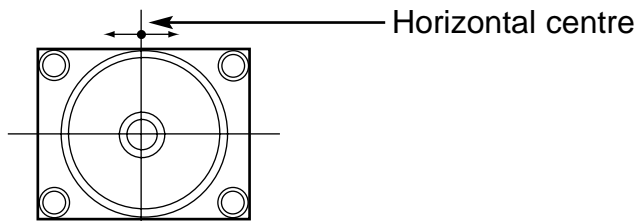
Item 01 [RF AGC] AGC

NOTE: Do not attempt this adjustment with weak signal.

- (1) Tune the receiver to most clearest (or strongest) VHF station in your area. Set the brightness and contrast controls to maximum. Set the colour control to minimum.
- (2) Select [RF AGC] in the service mode.
- (3) Change value until the snow noise just disappears.
- (4) Exit from service mode.

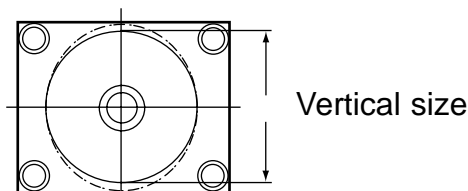
Item 02 [H-PHA] HORIZONTAL CENTRE

- (1) Receive a monochrome circular pattern.
- (2) Set the brightness and contrast to normal.
- (3) Select [H-PHA] in the service mode.
- (4) Change value to be optimum horizontal centre position.
- (5) Exit from service mode.



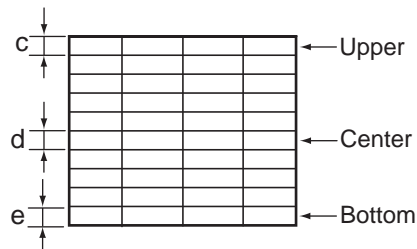
Item 04 [V-SIZ] VERTICAL SIZE

- (1) Receive a monochrome circular pattern.
- (2) Set the lever of SW501 (Vertical Center SW) as the position of a center.
- (3) Set the brightness and contrast to maximum.
- (4) Select [V-SIZ] in the service mode.
- (5) Change value to be optimum vertical size.
- (6) Exit from service mode.



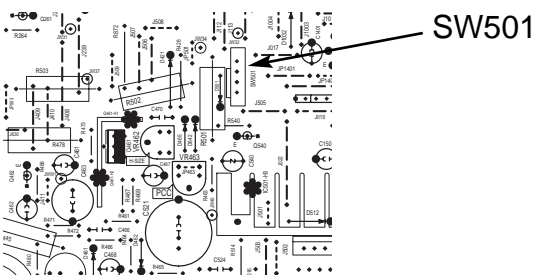
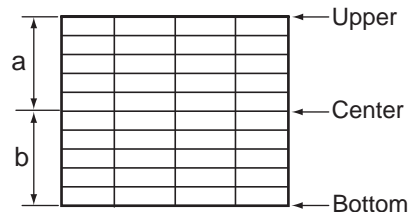
Item 05 [V-SCO] V-S CORRECTION

- (1) Receive a crosshatch pattern.
- (2) Set the lever of SW501 (Vertical Center SW) as the position of a center.
- (3) Select a picture mode of NATURAL by pressing the PICTURE MODE button.
- (4) Select [V-SCO] in the service mode.
- (5) Adjust Vertical S-letter Correction so that the difference of "c", "d" and "e" becomes less than 2 mm by pressing the VOLUME + or - button.
- (6) Confirm Vertical Linearity and adjust Vertical Center then Vertical Size.
- (7) Exit from service mode.



Item 06 [V-LIN] VERTICAL LINEARITY

- (1) Receive a crosshatch pattern.
- (2) Set the lever of SW501 (Vertical Center SW) as the position of a center.
- (3) Select a picture mode of NATURAL by pressing the PICTURE MODE button.
- (4) Select [V-LIN] in the service mode.
- (5) Adjust Vertical Linearity so that the difference of "a" and "b" becomes less than 3mm by pressing VOLUME + or - button.
- (6) Exit from service mode.

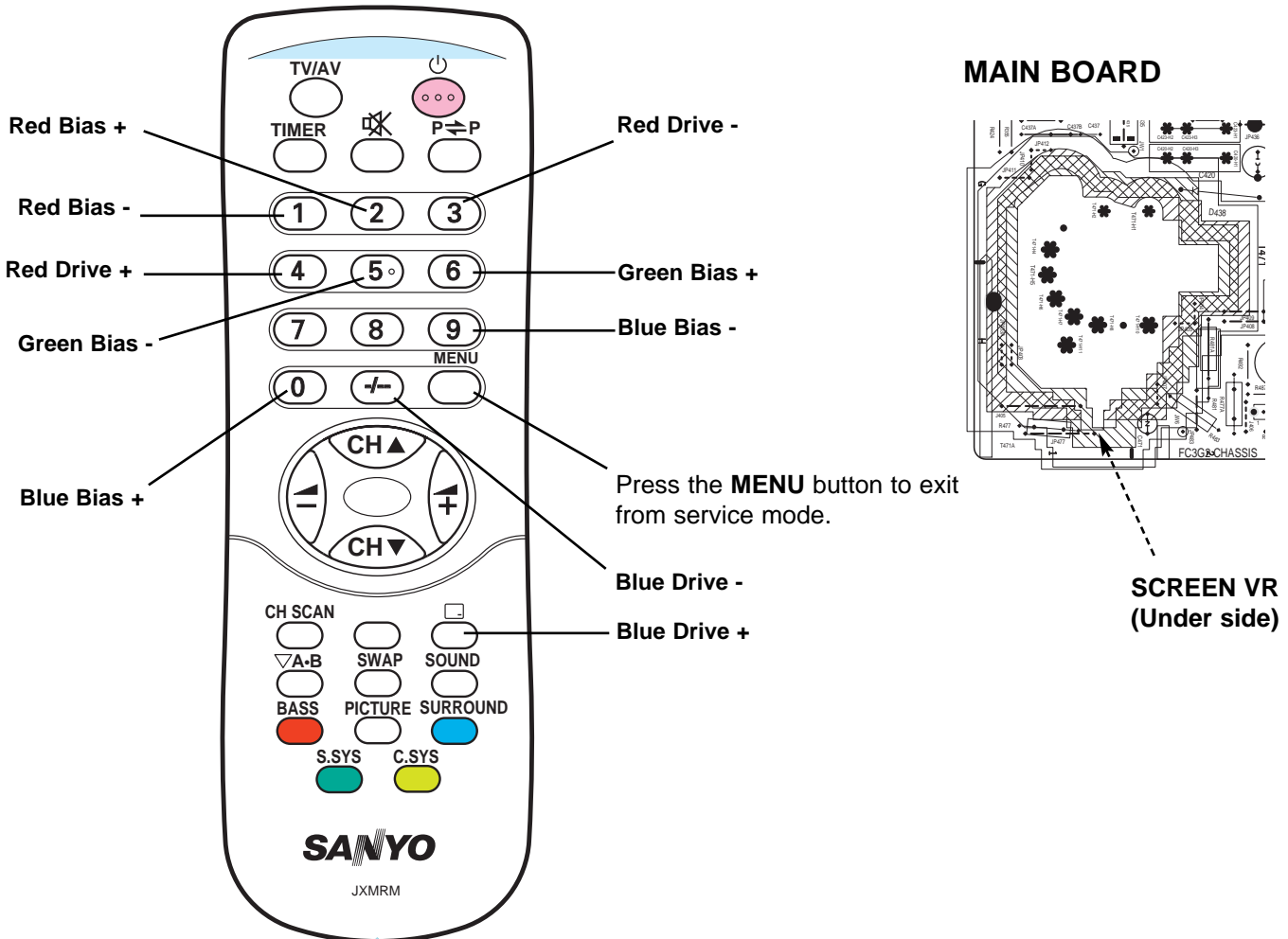


Service Mode Adjustments

Items 14-17, 19-21 GREY SCALE

- (1) Receive a monochrome circular pattern.
- (2) Set the brightness and colour to normal, contrast to maximum.
- (3) Enter to the service mode.
- (4) Select No. 14 RBIAS (Red Bias), No, 15 GBIAS (Green Bias), and No. 16 BBIAS (Blue Bias) and set each data to 0 by pressing the VOLUME + or - key.
- (5) Select No. 17 RDRIV (Red Drive) and No. 19 BDRIV (Blue Drive) and set each data to 64 by pressing the VOLUME + or - key.
- (6) Turn Screen Control on the FBT (T471) to minimum (fully counter-clock-wise).
- (7) Select No. 20 (1-line appear).
- (8) Advance Screen Control clockwise to obtain just visible one colour line. If line does not appear, place this control to maximum (fully clockwise).
- (9) Raise each Bias Level with 1, 2, 5, 6, 9 and 0 keys to obtain just visible white line.
- (10) Select No. 21 DRV (Drive Adjustments).
- (11) Adjust Red and Blue Drive Levels alternately with 3, 4, -/-- or RECALL key to produce normal black an white picture in highlight areas.
- (12) Check for proper grayscale at all brightness levels. To turn off the TV Service Menu display, press the MENU key.

Note: If the Grayscale adjustment is made after picture tube replacement, check the High Voltage



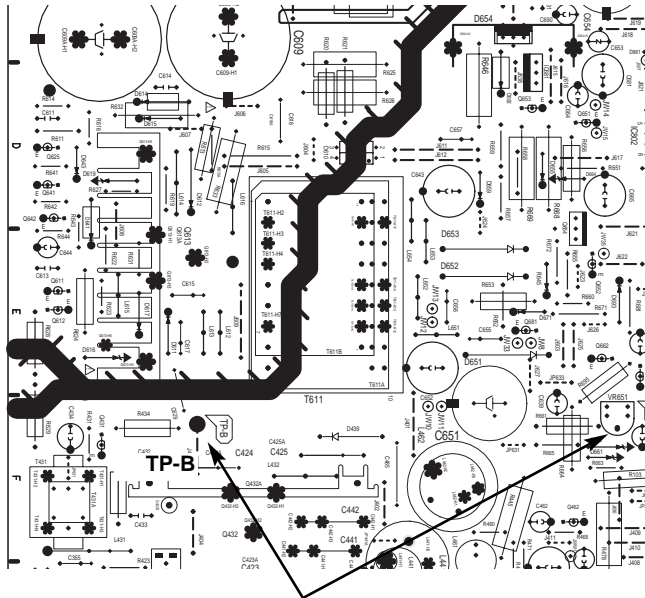
Service Adjustments

Following adjustments are not required to readjust when replacing the memory IC.

B-VOLTAGE SUPPLY CHECKING

- (1) Connect DC meter to TP-B and the ground.
- (2) Tune the receiver to an active channel and synchronized picture. Select NATURAL picture mode by pressing the **PICTURE MODE** button on the remote control.
- (3) Adjust B-voltage to be $140 \pm 1V$ DC by using VR651.

MAIN BOARD

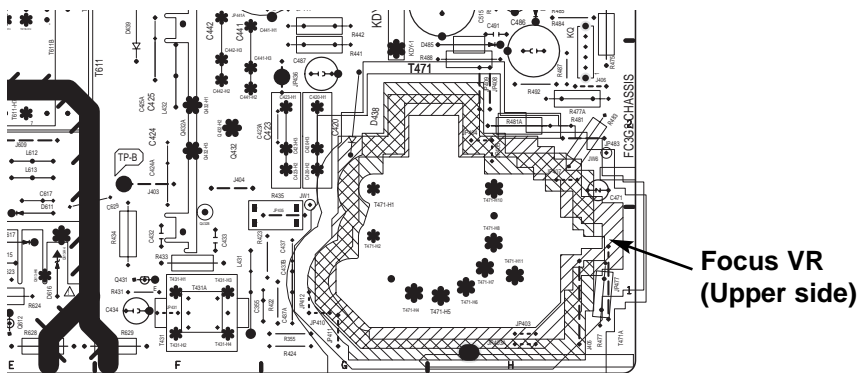


B-Voltage Supply Adjustment

FOCUS ADJUSTMENT

- (1) Receive the monochrome circular pattern.
- (2) Set the brightness to normal and contrast to maximum.
- (3) Adjust the focus control on the F.B.T. for the best focus on the screen centre.

MAIN BOARD



HIGH VOLTAGE CHECK

Note: +B (+140V) Voltage Check and Grayscale Adjustment must be completed before attempting High Voltage Check.

- (1) Connect high voltage voltmeter negative lead to ground, and connect + lead to anode of picture tube.
- (2) Tune receiver to an active channel and confirm TV is operating properly.
- (3) Maximize the beam current by adjusting the contrast and brightness controls to maximum. Confirm high voltage is within 28.0 KV and 30.0 KV at maximum beam current.
- (4) Eliminate the beam current by adjusting the contrast and brightness controls to minimum. Confirm high voltage does not exceed 32.0 KV at zero beam current.

If reading is not within range, check horizontal circuit.
No high-voltage adjustment is provided on this chassis.

Special Function

The following special functions can be set up on this TV set.

(1) Volume Lock setting

With this function, a maximum sound volume limit can be set at any level.



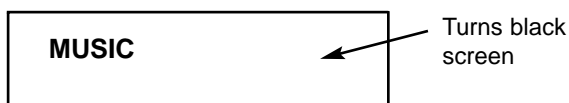
(2) Tuning Lock setting

Once TUNING LOCK is switched on, further channel tuning (Pre-set) is not possible. The Channel Swapping function also is not possible.



(3) Music Mode setting

When Music Mode is ON, Programme position from "247" to "255" and "0" are set Music Mode. Only sound is provided and any picture is not on the screen under Music Mode.



(4) AV Start setting

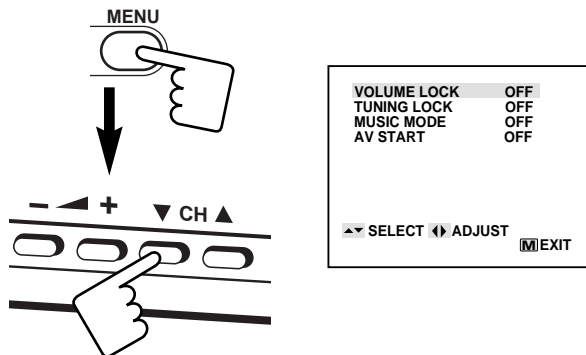
Set AV-START to ON and every time the TV set is switched on, AV position will be the initial programme position.



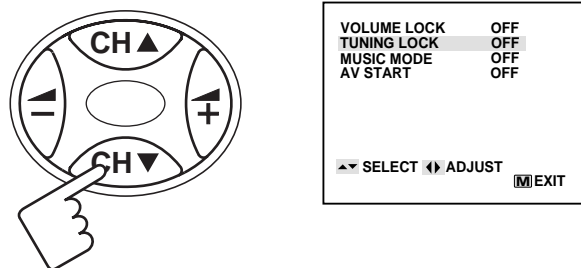
How to set the special function:

Note: When making the VOLUME LOCK setting, set the desired maximum sound volume by pressing the **VOLUME +** or **-** button before entering Special Function setting mode.

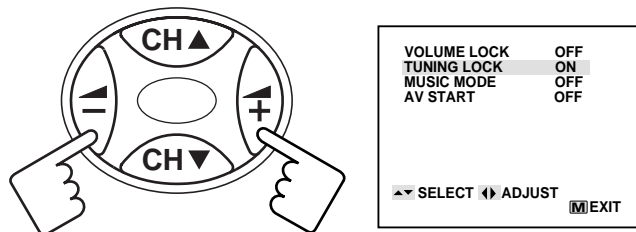
- 1 To enter into the special function setting mode, press and hold the **MENU** button of the remote control, then press the **PROGRAMME DOWN** button on the TV set.



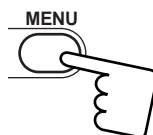
- 2 Select an item of the special functions by pressing the **PROGRAMME UP** or **DOWN** button on the remote control or the TV set.



- 3 Set the selected special function "ON" by pressing the **VOLUME +** or **-** button. To cancel, set to "OFF".



- 4 Press the **MENU** button of the remote control to return to the normal TV mode.



Purity and Convergence Adjustment

CAUTION: The Convergence and Purity adjustments have been made at the factory. Readjustment should be made only after picture tube or deflection yoke replacement, following the steps below:

Signals: Use a pattern generator which can output red, green, blue and white raster and crosshatch pattern signals.

Procedure: Carry out purity adjustment first, and then carry out convergence adjustment.

Preparation: The deflection yoke may have several correction magnets attached to its outer edge. If replacing the picture tube, the positions of the magnets can be changed and they can be re-used, so remove these magnets and keep them safely so that they do not get lost.

PURITY ADJUSTMENTS

1. Place the picture so that its front faces west.
2. Insert the power plug into a wall outlet, and then turn on the power for the TV and de-magnetize the TV using its own degaussing circuit.
3. Loosen the screw which is holding the deflection yoke (with integrated purity magnets), and then move the deflection yoke forward as far as it will go. Remove the rubber wedge at this time.
4. Turn off the red and blue raster so that only the green raster is on.
5. Adjust the angle between the tabs (wings) on purity magnets to center the vertical green belt in the picture tube screen. (See Figures 2 and 3.)

NOTE: This adjustment can only be carried out by changing the angle, not by rotating the tabs up and down.

6. Gently move the deflection yoke back to the position where the green band fills the whole of the picture tube screen, and then tighten the screw to secure the deflection yoke in place.
7. If there is any color distortion around the edges, correct it by attaching magnets to the outer edge of the deflection yoke. The magnets should be attached so that the line running from the position of the distortion to the center of the picture tube intersects the deflection yoke. The colors on the magnets indicate the north and south poles of the magnets. Attach the magnets in whichever direction causes the distortion to disappear. (See Figures 1 and 4. The south and north pole positions are shown as a guide.)
8. Switch the screen to red and blue rasters and check that there is no color distortion. If there is any distortion, adjust the angles of purity magnets tabs or the forward-back position of the deflection yoke, or change the attachment positions of the correction magnets.

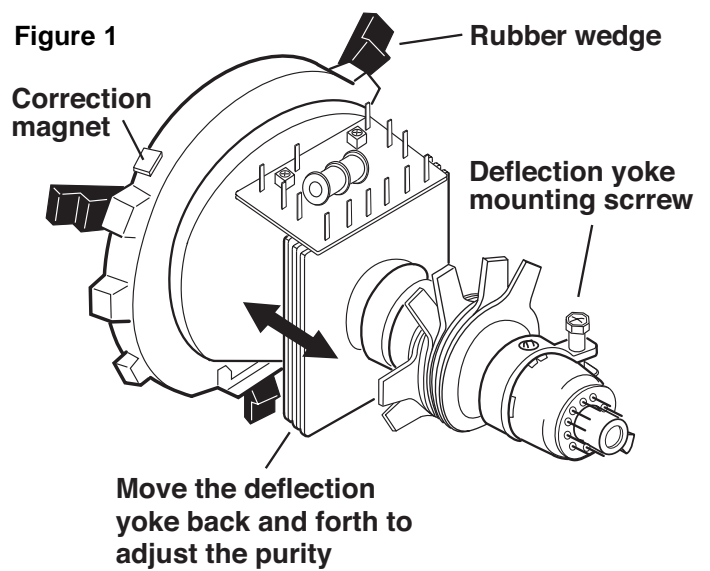
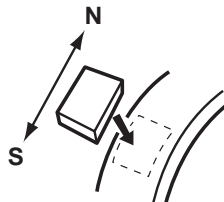
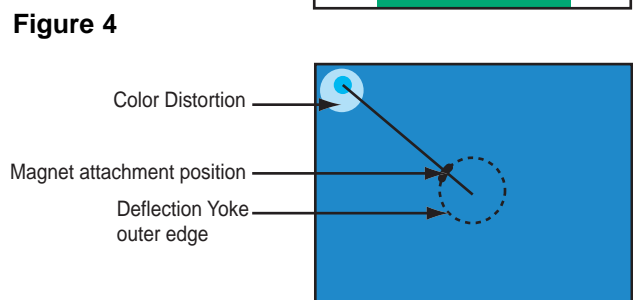
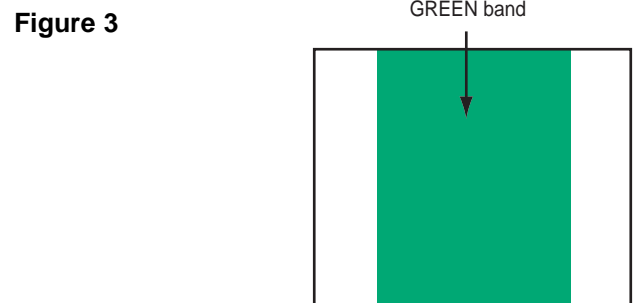
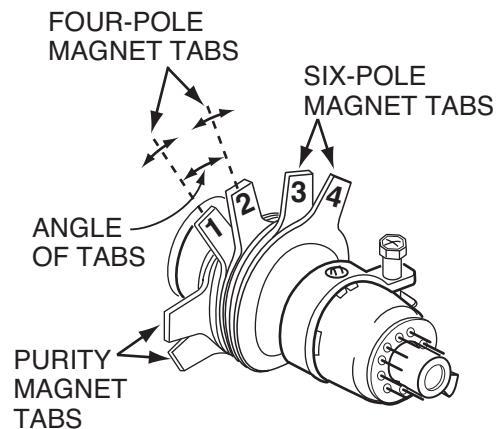


Figure 2
Change the angle to adjust the green band so that it is centered in the screen.



Purity and Convergence Adjustment

CONVERGENCE ADJUSTMENT

Preparation: After carrying out purity adjustment and before proceeding to convergence adjustment, provisionally insert the rubber wedge so that there is no vertical or sideways play in the deflection yoke.

Signals: Display a crosshatch pattern.

1. Red/blue center adjustment

Adjust the angle between the tabs (1) and (2) in Figure 5 and rotate them together until the lines of the red and blue crosshatch patterns (vertical and horizontal lines) are superimposed in the center of the screen.

2. Green and red/blue center adjustment

Adjust the angle between the tabs (3) and (4) in Figure 5 and rotate them together until the lines of the green crosshatch pattern are superimposed with the red/blue crosshatch pattern (vertical and horizontal lines) which were superimposed in step 1).

3. Vertical lines at screen center (Red and Blue)

Use the VR2 control (see Figure 8) at the top of the deflection yoke to correct the vertical line convergence at the center of the screen. (See Figure 9.)

4. Vertical lines at screen top and bottom

Use the VR1 control (see Figure 8) at the top of the deflection yoke to correct the vertical line convergence at the top and bottom of the screen. (See Figure 10.)

5. Horizontal lines at screen top and bottom

Rotate the Deflection yoke to the left or right to correct the horizontal line convergence at the top and bottom of the screen. (See Figure 11.)

If vertical lines are intersecting at the top and bottom, use a screwdriver to adjust the Balance coil at the top of the deflection yoke. (See Figure 12.)

Figure 8

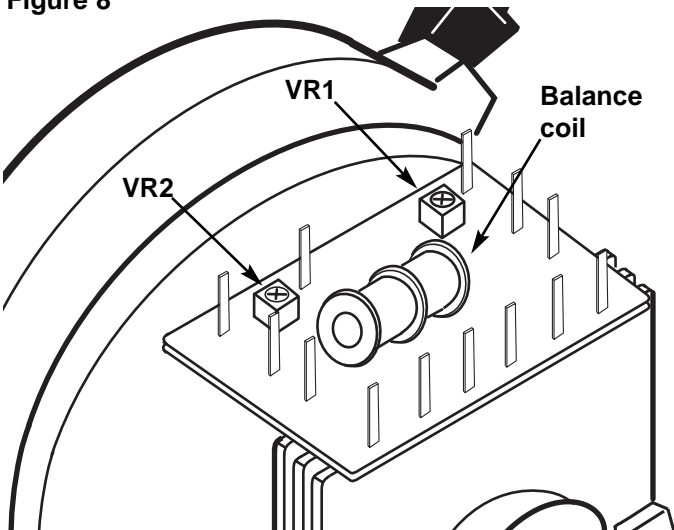


Figure 5

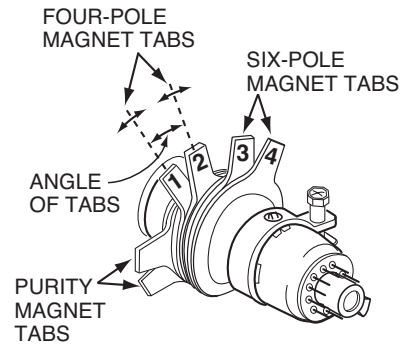
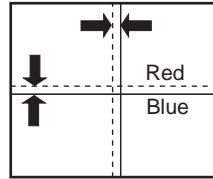
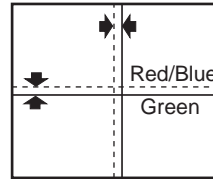


Figure 6



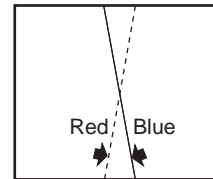
Adjust the angle rotation of tabs (1) and (2) to align the vertical and horizontal lines.

Figure 7



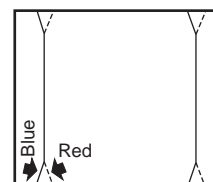
Adjust the angle and rotation of tabs (3) and (4) to align the vertical and horizontal lines.

Figure 9



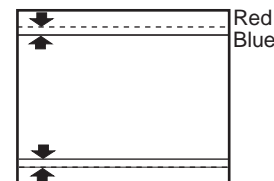
Use the VR2 control to correct.

Figure 10



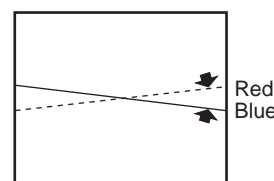
Use the VR1 control to correct.

Figure 11



Rotate the DY to correct.

Figure 12

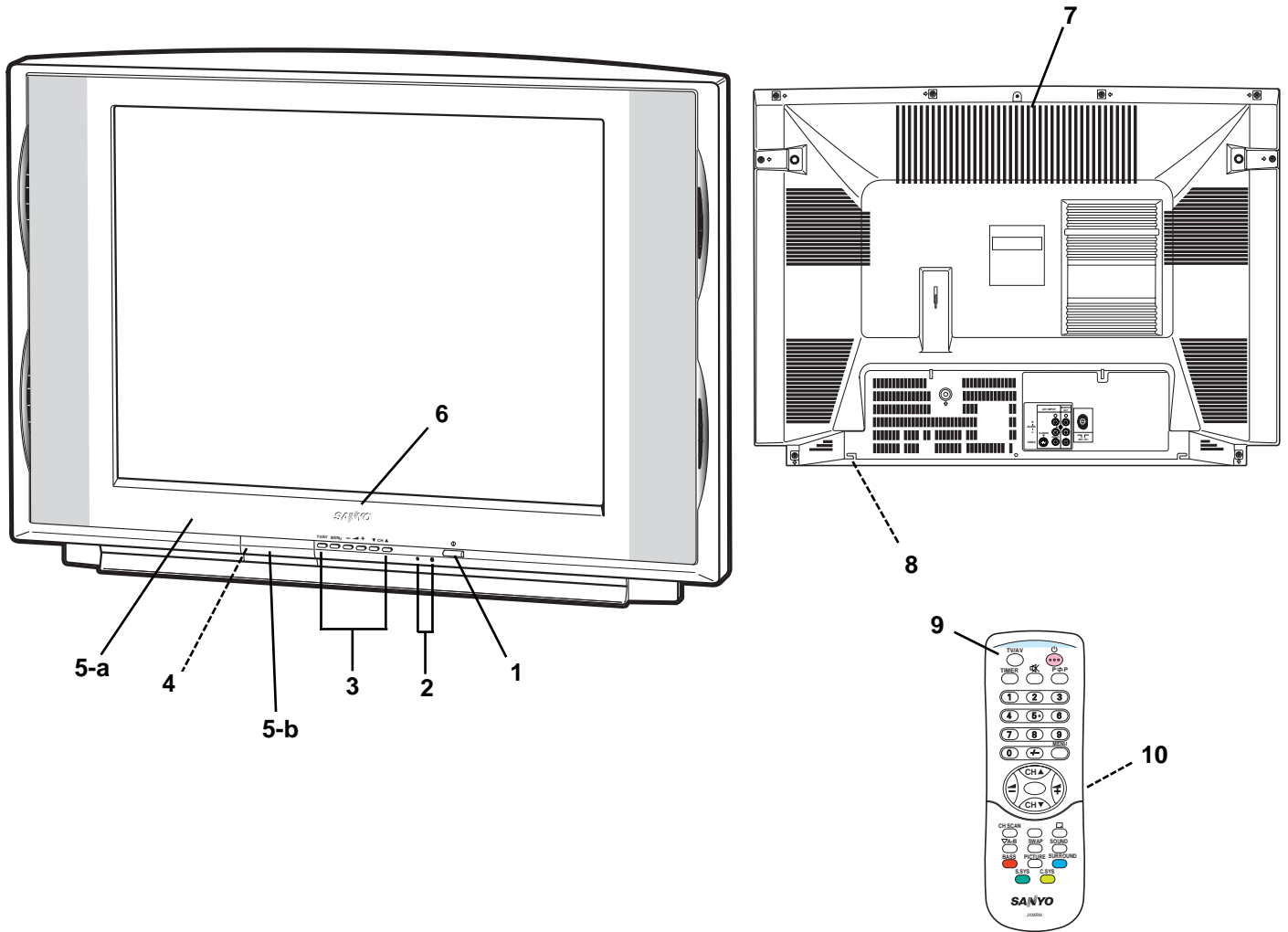


Use the Balance coil to correct

Cabinet Parts List

C5DTH

Note: Parts order must contain Service Ref. No., Part No., and descriptions.



Key No.	Part No.	Description	Key No.	Part No.	Description
1	610 306 9067	BUTTON POWER-C5GT			
	610 229 8406	SPRING-E3HA			
2	610 299 9136	DEC. IND-C5GA			
3	610 306 9074	BUTTON UNITED-C5GSR			
4	610 104 2505	LATCH PUSH, 7.9X6.9BK			
or	645 019 2449	LATCH PUSH, 7.9X6.9BK			
5	610 316 2324	ASSY, CABINET FR-C5DTH			
5-a	610 316 2447	CABINET FRONT-C5DTH			
5-b	610 307 0292	DOOR-C5GT			
6	645 041 7269	BADGE, SANYO*43.5X10L43.5			
or	645 040 4672	BADGE, SANYO*43.5X10L43.5			
7	610 308 7580	CABINET BACK-C5DTR			
8	610 256 7670	HOLDER AC CORD-SGP-D4VA			
9	645 067 5089	ASSY, REMOCON JXMRM			
10	610 297 3723	RC-BATTERY LID-JXMRA			
	610 315 8853	INSTRUCTIONS MANUAL-C5GSH			

Chassis Electrical Parts List

C5DTH

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a Δ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

Note: Parts order must contain Service Ref. No., Part No., and descriptions. The main PCB unit will be supplied without tuner and flyback transformer. They should be ordered separately.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
<p>NOTES: Read description in the Capacitor and Resistor as follows:</p> <p>CAPACITOR CERAMIC 100P K 50V</p> <div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 100px; height: 100px; margin-right: 10px;"></div> <div> <p>Rated Voltage</p> <p>Tolerance Symbols: Less than 10pF A : Not specified B : $\pm 0.1\text{pF}$ C : $\pm 0.25\text{pF}$ D : $\pm 0.5\text{pF}$ F : $\pm 1\text{PF}$ G : $\pm 2\text{pF}$ R : $\pm 0.25\text{-}0\text{pF}$ S : $\pm 0\text{-}0.25\text{pF}$ E : $\pm 0\text{-}1\text{pF}$ More than 10pF A : Not specified B : $\pm 0.1\%$ C : $\pm 0.25\%$ D : $\pm 0.5\%$ F : $\pm 1\%$ G : $\pm 2\%$ H : $\pm 3\%$ J : $\pm 5\%$ K : $\pm 10\%$ L : $\pm 15\%$ M : $\pm 20\%$ N : $\pm 30\%$ P : $\pm 100\text{-}0\%$ Q : $\pm 30\text{-}10\%$ T : $\pm 50\text{-}10\%$ U : $\pm 75\text{-}10\%$ V : $\pm 20\text{-}10\%$ W : $\pm 100\text{-}10\%$ X : $\pm 40\text{-}20\%$ Y : $\pm 150\text{-}10\%$ Z : $\pm 80\text{-}20\%$</p> <p>Rated value: P=pico farad, U=micro farad</p> </div> </div> <p>Material:</p> <p>CERAMIC..... Ceramic MT-PAPER..... Metallized Paper POLYESTER..... Polyester MT-POLYEST.....Metallized Polyester POLYPRO..... Polypropylene MT-POLYPRO.....Metallized Polypropylene COMPO FILM.....Composite film MT-COMPO.....Metallized Composite STYRENE.....Styrene TA-SOLID..... Tantalum Solid AL-SOLID..... Aluminium Solid ELECT..... Electrolytic NP-ELECT.....Non-polarised Electrolytic OS-SOLID..... Aluminium Solid with Organic Semiconductive Electrolytic DL-ELECT..... Double Layered Electrolytic</p> <p>RESISTOR CARBON 4.7K J A 1/4W</p> <div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; width: 100px; height: 100px; margin-right: 10px;"></div> <div> <p>Rated Wattage</p> <p>Performance Symbols: A: General B: Non flammable Z: Low noise Other: Temperature coefficient</p> <p>Tolerance Symbols: A: $\pm 0.05\%$ B: $\pm 0.1\%$ C: $\pm 0.25\%$ D: $\pm 0.5\%$ F: $\pm 1\%$ G: $\pm 2\%$ J: $\pm 5\%$ K: $\pm 10\%$ M: $\pm 20\%$ P: $\pm 5\text{-}15\%$</p> <p>Rated value, ohms: K: 1,000, M: 1,000,000</p> </div> </div> <p>Material:</p> <p>CARBON..... Carbon MT-FILM..... Metal Film OXIDE-MT..... Oxide Metal Film SOLID..... Composition MT-GLAZE..... Metal Glaze WIRE WOUND... Wire Wound CERAMIC RES... Ceramic FUSIBLE RES.... Fusible</p>			<p>OUT OF CIRCUIT BOARD</p> <p>PICTURE TUBE</p> <p>Δ Q901 4140123506 CRT A68QCU770X60L Q901A 6100031739 CG PURITY MAGNET 6450088674 MAGNET, CG . PR Q901B1 6102904154 DY SPACER-F8LZ 6102337891 DY SPACER E2HA 6101170154 DY SPACER-D4AK Q901B2 6102904154 DY SPACER-F8LZ 6102337891 DY SPACER E2HA 6101170154 DY SPACER-D4AK Q901B3 6102904154 DY SPACER-F8LZ 6102337891 DY SPACER E2HA 6101170154 DY SPACER-D4AK Q901B4 6102904154 DY SPACER-F8LZ 6102337891 DY SPACER E2HA 6101170154 DY SPACER-D4AK</p> <p>COIL</p> <p>Δ L901 6450552168 COIL, DEGAUSSING</p> <p>MISCELLANEOUS</p> <p>SP901 6450553653 SPEAKER , 8 SP902 6450553653 SPEAKER , 8 Δ W901 6450399251 CORD, POWER-2.0MK-A5003 6450646096 CORD, POWER-2.0MK-A5003 W903 6103052182 ASSY,WIRE GND CONNECTOR C</p> <p>6103179032 ASSY,PWB,MAIN C5DTH 1AA0B10S131FA</p> <p>TRANSISTOR</p> <p>Q1003 4050144519 TR 2SC2412K T146 R 4050144618 TR 2SC2412K T146 S 4050158724 TR 2SC2812-L6-TB 4050158922 TR 2SC2812-L7-TB 4051739813 TR 2SC3928A1R 4051739912 TR 2SC3928A1S Q1004 4050144519 TR 2SC2412K T146 R 4050144618 TR 2SC2412K T146 S 4050158724 TR 2SC2812-L6-TB 4050158922 TR 2SC2812-L7-TB 4051739813 TR 2SC3928A1R 4051739912 TR 2SC3928A1S Q1005 4050144519 TR 2SC2412K T146 R 4050144618 TR 2SC2412K T146 S 4050158724 TR 2SC2812-L6-TB 4050158922 TR 2SC2812-L7-TB 4051739813 TR 2SC3928A1R 4051739912 TR 2SC3928A1S Q1006 4050144519 TR 2SC2412K T146 R 4050144618 TR 2SC2412K T146 S 4050158724 TR 2SC2812-L6-TB 4050158922 TR 2SC2812-L7-TB</p>		

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
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	4051739912	TR 2SC3928A1S		4050017417	TR 2SA1015-O(SAN)
Q111	4050159721	TR 2SC2814-F4-TB		4050017615	TR 2SA1015-Y(SAN)
Q122	4050144519	TR 2SC2412K T146 R		4050043119	TR 2SA564A-Q(CU)
	4050144618	TR 2SC2412K T146 S		4050043218	TR 2SA564A-R(CU)
	4050158724	TR 2SC2812-L6-TB		4050061717	TR 2SA933S-Q
	4050158922	TR 2SC2812-L7-TB		4050061816	TR 2SA933S-R
	4051739813	TR 2SC3928A1R	Q431	4050180517	TR 2SC3332-R
	4051739912	TR 2SC3928A1S		4050180616	TR 2SC3332-S
	4051843411	TR 2SD0601A-R-TX	Q432	4051571304	TR 2SD2634-YB
Q1401	4051345925	TR 2SA1037AK-T146-R	Q461	4050647307	TR 2SB1274-Q-RA
	4051472215	TR 2SA1037AK-S-T146		4050647406	TR 2SB1274-R-RA
	4050020318	TR 2SA1037K T146 R	Q462	4050118411	TR 2SC1740S-Q
	4050020417	TR 2SA1037K T146 S		4050118510	TR 2SC1740S-R
	4050026726	TR 2SA1179-M6-TB		4050118619	TR 2SC1740S-S
	4050026924	TR 2SA1179-M7-TB		4050122012	TR 2SC1815-GR
	4051631513	TR 2SA1179N-M6-TB		4050122111	TR 2SC1815-O
	4051632718	TR 2SA1179N-M7-TB		4050122319	TR 2SC1815-Y
Q1402	4060087407	TR 2SA1015-G(SAN)-TPE2		4050207511	TR 2SC945A-PA
	4050017417	TR 2SA1015-O(SAN)		4050207719	TR 2SC945A-QA
	4050017615	TR 2SA1015-Y(SAN)		4050207917	TR 2SC945A-RA
	4050043119	TR 2SA564A-Q(CU)	Q527	4050144519	TR 2SC2412K T146 R
	4050043218	TR 2SA564A-R(CU)		4050144618	TR 2SC2412K T146 S
	4050061717	TR 2SA933S-Q		4050158724	TR 2SC2812-L6-TB
	4050061816	TR 2SA933S-R		4050158922	TR 2SC2812-L7-TB
Q1501	4050144519	TR 2SC2412K T146 R		4051631612	TR 2SC2812N-L6-TB0
	4050144618	TR 2SC2412K T146 S		4051631711	TR 2SC2812N-L7-TB0
	4050158724	TR 2SC2812-L6-TB		4051739813	TR 2SC3928A1R
	4050158922	TR 2SC2812-L7-TB		4051739912	TR 2SC3928A1S
	4051631612	TR 2SC2812N-L6-TB0		4051843411	TR 2SD0601A-R-TX
	4051631711	TR 2SC2812N-L7-TB0	Q540	4050118411	TR 2SC1740S-Q
	4051739813	TR 2SC3928A1R		4050118510	TR 2SC1740S-R
	4051739912	TR 2SC3928A1S		4050118619	TR 2SC1740S-S
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	4051631612	TR 2SC2812N-L6-TB0		4050207917	TR 2SC945A-RA
	4051631711	TR 2SC2812N-L7-TB0	Q611	4050136712	TR 2SC2274-D
	4051739813	TR 2SC3928A1R		4050136811	TR 2SC2274-E
	4051739912	TR 2SC3928A1S		4050137016	TR 2SC2274-F
	4051843411	TR 2SD0601A-R-TX	Q612	4050066514	TR 2SA984-E
Q1504	4050144519	TR 2SC2412K T146 R		4050066712	TR 2SA984-F
	4050144618	TR 2SC2412K T146 S	Q613	4051690906	TR 2SK3528
	4050158724	TR 2SC2812-L6-TB	Q625	4050136811	TR 2SC2274-E
	4050158922	TR 2SC2812-L7-TB		4050137016	TR 2SC2274-F
	4051631612	TR 2SC2812N-L6-TB0	Q641	4060087407	TR 2SA1015-G(SAN)-TPE2
	4051631711	TR 2SC2812N-L7-TB0		4050017615	TR 2SA1015-Y(SAN)
	4051739813	TR 2SC3928A1R		4050043218	TR 2SA564A-R(CU)
	4051739912	TR 2SC3928A1S		4050061816	TR 2SA933S-R
	4051843411	TR 2SD0601A-R-TX	Q642	4050118411	TR 2SC1740S-Q
Q190	4051345925	TR 2SA1037AK-T146-R		4050118510	TR 2SC1740S-R
	4051472215	TR 2SA1037AK-S-T146		4050118619	TR 2SC1740S-S
	4050020318	TR 2SA1037K T146 R		4050122012	TR 2SC1815-GR
	4050020417	TR 2SA1037K T146 S		4050122319	TR 2SC1815-Y
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	4051631513	TR 2SA1179N-M6-TB	Q651	4050118411	TR 2SC1740S-Q
	4051632718	TR 2SA1179N-M7-TB		4050118510	TR 2SC1740S-R
Q1902	4060087407	TR 2SA1015-G(SAN)-TPE2		4050118619	TR 2SC1740S-S
	4050017417	TR 2SA1015-O(SAN)		4050122012	TR 2SC1815-GR
	4050017615	TR 2SA1015-Y(SAN)		4050122319	TR 2SC1815-Y
	4050043119	TR 2SA564A-Q(CU)		4050207511	TR 2SC945A-PA
	4050043218	TR 2SA564A-R(CU)		4050207719	TR 2SC945A-QA
	4050061717	TR 2SA933S-Q	Q652	4051381309	TR 2SB1565-E
	4050061816	TR 2SA933S-R	Q654	4050599804	TR 2SD1913-Q-RA

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description		
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	4050144618	TR 2SC2412K T146 S		4051739912	TR 2SC3928A1S		
	4050158724	TR 2SC2812-L6-TB		4050144519	TR 2SC2412K T146 R		
	4050158922	TR 2SC2812-L7-TB		4050144618	TR 2SC2412K T146 S		
Q662	4051739813	TR 2SC3928A1R	4050158724	TR 2SC2812-L6-TB	Q882		
	4051739912	TR 2SC3928A1S	4050158922	TR 2SC2812-L7-TB		4051345925	TR 2SA1037AK-T146-R
	4051843411	TR 2SD0601A-R-TX	4051631612	TR 2SC2812N-L6-TB0		4051472215	TR 2SA1037AK-S-T146
	4060087407	TR 2SA1015-G(SAN)-TPE2	4051631711	TR 2SC2812N-L7-TB0		4050020318	TR 2SA1037K T146 R
	4050017417	TR 2SA1015-O(SAN)	4051739813	TR 2SC3928A1R		4050020417	TR 2SA1037K T146 S
	4050017615	TR 2SA1015-Y(SAN)	4051739912	TR 2SC3928A1S		4050026726	TR 2SA1179-M6-TB
	4050043119	TR 2SA564A-Q(CU)	4051843411	TR 2SD0601A-R-TX		4050026924	TR 2SA1179-M7-TB
Q663	4050043218	TR 2SA564A-R(CU)	4050118411	TR 2SC1740S-Q	Q886		
	4050061717	TR 2SA933S-Q	4050118510	TR 2SC1740S-R		4051631513	TR 2SA1179N-M6-TB
	4050061816	TR 2SA933S-R	4050118619	TR 2SC1740S-S		4051632718	TR 2SA1179N-M7-TB
	4050144519	TR 2SC2412K T146 R	4050122012	TR 2SC1815-GR		4050144519	TR 2SC2412K T146 R
	4050144618	TR 2SC2412K T146 S	4050122111	TR 2SC1815-O		4050144618	TR 2SC2412K T146 S
Q681	4050158724	TR 2SC2812-L6-TB	4050122319	TR 2SC1815-Y	4050158724	TR 2SC2812-L6-TB	
	4050158922	TR 2SC2812-L7-TB	4050207511	TR 2SC945A-PA	4050158922	TR 2SC2812-L7-TB	
	4051739813	TR 2SC3928A1R	4050207719	TR 2SC945A-QA	4051631612	TR 2SC2812N-L6-TB0	
	4051739912	TR 2SC3928A1S	4050207917	TR 2SC945A-RA	4051631711	TR 2SC2812N-L7-TB0	
	4051843411	TR 2SD0601A-R-TX	4050144519	TR 2SC2412K T146 R	4051739813	TR 2SC3928A1R	
	4050118411	TR 2SC1740S-Q	4050144618	TR 2SC2412K T146 S	4051739912	TR 2SC3928A1S	
	4050118510	TR 2SC1740S-R	4050158724	TR 2SC2812-L6-TB	4051843411	TR 2SD0601A-R-TX	
	4050118619	TR 2SC1740S-S	4050158922	TR 2SC2812-L7-TB	4050118411	TR 2SC1740S-Q	
	4050122012	TR 2SC1815-GR	4051631612	TR 2SC2812N-L6-TB0	4050118510	TR 2SC1740S-R	
	4050122111	TR 2SC1815-O	4051631711	TR 2SC2812N-L7-TB0	4050118619	TR 2SC1740S-S	
Q690	4050122319	TR 2SC1815-Y	4051739813	TR 2SC3928A1R	4050122012	TR 2SC1815-GR	
	4050207511	TR 2SC945A-PA	4051739912	TR 2SC3928A1S	4050122319	TR 2SC1815-Y	
	4050207719	TR 2SC945A-QA	4051843411	TR 2SD0601A-R-TX	4050207511	TR 2SC945A-PA	
	4050207917	TR 2SC945A-RA	4050118411	TR 2SC1740S-Q	4050207719	TR 2SC945A-QA	
	4050144519	TR 2SC2412K T146 R	4050118510	TR 2SC1740S-R	4050144519	TR 2SC2412K T146 R	
	4050144618	TR 2SC2412K T146 S	4050118619	TR 2SC1740S-S	4050144618	TR 2SC2412K T146 S	
	4050158724	TR 2SC2812-L6-TB	4050122012	TR 2SC1815-GR	4050158724	TR 2SC2812-L6-TB	
	4050158922	TR 2SC2812-L7-TB	4050122111	TR 2SC1815-O	4050158922	TR 2SC2812-L7-TB	
	4051631612	TR 2SC2812N-L6-TB0	4050122319	TR 2SC1815-Y	4051631612	TR 2SC2812N-L6-TB0	
	4051631711	TR 2SC2812N-L7-TB0	4050207511	TR 2SC945A-PA	4051631711	TR 2SC2812N-L7-TB0	
Q693	4051739813	TR 2SC3928A1R	4050207719	TR 2SC945A-QA	4051739813	TR 2SC3928A1R	
	4051739912	TR 2SC3928A1S	4050144519	TR 2SC2412K T146 R	4051739912	TR 2SC3928A1S	
	4051843411	TR 2SD0601A-R-TX	4050144618	TR 2SC2412K T146 S	4051843411	TR 2SD0601A-R-TX	
	4050118411	TR 2SC1740S-Q	4050158724	TR 2SC2812-L6-TB	4051472215	TR 2SA1037AK-S-T146	
	4050118510	TR 2SC1740S-R	4050158922	TR 2SC2812-L7-TB	4050020318	TR 2SA1037K T146 R	
	4050118619	TR 2SC1740S-S	4051631612	TR 2SC2812N-L6-TB0	4050020417	TR 2SA1037K T146 S	
	4050122012	TR 2SC1815-GR	4051631711	TR 2SC2812N-L7-TB0	4050026726	TR 2SA1179-M6-TB	
	4050122319	TR 2SC1815-Y	4051739813	TR 2SC3928A1R	4050026924	TR 2SA1179-M7-TB	
	4050207511	TR 2SC945A-PA	4051739912	TR 2SC3928A1S	4051631513	TR 2SA1179N-M6-TB	
	4050207719	TR 2SC945A-QA	4051843411	TR 2SD0601A-R-TX	4051632718	TR 2SA1179N-M7-TB	
Q818	4050144519	TR 2SC2412K T146 R	4051345925	TR 2SA1037AK-T146-R	Q861		
	4050144618	TR 2SC2412K T146 S	4051472215	TR 2SA1037AK-S-T146		4050020318	TR 2SA1037K T146 R
	4050158724	TR 2SC2812-L6-TB	4050020318	TR 2SA1037K T146 R		4050020417	TR 2SA1037K T146 S
	4050158922	TR 2SC2812-L7-TB	4050020417	TR 2SA1037K T146 S		4050026726	TR 2SA1179-M6-TB
	4051739813	TR 2SC3928A1R	4050026726	TR 2SA1179-M6-TB		4050026924	TR 2SA1179-M7-TB
	4051739912	TR 2SC3928A1S	4051631513	TR 2SA1179N-M6-TB		4051631513	TR 2SA1179N-M6-TB
	4051843411	TR 2SD0601A-R-TX	4051632718	TR 2SA1179N-M7-TB		4051632718	TR 2SA1179N-M7-TB
	4051345925	TR 2SA1037AK-T146-R	4050144519	TR 2SC2412K T146 R		4050144519	TR 2SC2412K T146 R
	4051472215	TR 2SA1037AK-S-T146	4050144618	TR 2SC2412K T146 S		4050144618	TR 2SC2412K T146 S
	4050020318	TR 2SA1037K T146 R	4050158724	TR 2SC2812-L6-TB		4050158724	TR 2SC2812-L6-TB
4050020417	TR 2SA1037K T146 S	4050158922	TR 2SC2812-L7-TB	4050158922	TR 2SC2812-L7-TB		
Q871	4050026726	TR 2SA1179-M6-TB	4051631612	TR 2SC2812N-L6-TB0	Q886		
	4050026924	TR 2SA1179-M7-TB				4050158922	TR 2SC2812-L7-TB
	4051631513	TR 2SA1179N-M6-TB				4051631612	TR 2SC2812N-L6-TB0
	4051632718	TR 2SA1179N-M7-TB				4051631711	TR 2SC2812N-L7-TB0
	4050144519	TR 2SC2412K T146 R				4051739813	TR 2SC3928A1R
	4050144618	TR 2SC2412K T146 S				4051739912	TR 2SC3928A1S
	4050158724	TR 2SC2812-L6-TB				4051843411	TR 2SD0601A-R-TX
	4050158922	TR 2SC2812-L7-TB					
	4051631612	TR 2SC2812N-L6-TB0					
INTEGRATED CIRCUIT							
			IC001	4095752202	IC AN17820B		
			IC1401	4094793216	IC MM1188XS		
			IC1501	4090512910	IC TC4053BF-TP1		
			IC201	4095175912	IC LA76818A		
			IC202	4092415407	IC BA178M05T		
				4091245302	IC L78M05T		
				4091721509	IC MC78M05CT		
			IC281	4095646115	IC LA7642NM-TLM-E		
			IC3701	4095644319	IC NJW1142M		
			IC501	4094535905	IC LA78041		
			IC681	4092415407	IC BA178M05T		
				4092654806	IC L78M05CV		
				4091721509	IC MC78M05CT		
				4093205700	IC UPC78M05AHF		
			IC801	4104862007	IC LC863448W-XXXX-TLM		
			IC802	4104958007	IC AT24C16A-10PI-2.7		
				4094594506	IC 24LC16B/P		
CAPACITOR							
			C001	4040886600	ELECT 2200U M 25V		
				4030459867	ELECT 2200U M 25V		
			C011	4040848806	ELECT 1U M 50V		
				4030490018	ELECT 1U M 50V		
			C021	4040848806	ELECT 1U M 50V		
				4030490018	ELECT 1U M 50V		
			C031	4040849308	ELECT 47U M 50V		
				4030513123	ELECT 47U M 50V		
			C1000	4040847700	ELECT 10U M 16V		
				4030418824	ELECT 10U M 16V		
			C1001	4040847700	ELECT 10U M 16V		
				4030418824	ELECT 10U M 16V		
			C1002	4040847700	ELECT 10U M 16V		
				4030418824	ELECT 10U M 16V		
			C101	4040848301	ELECT 470U M 16V		
				4030441743	ELECT 470U M 16V		
			C1030	4040847700	ELECT 10U M 16V		
				4030418824	ELECT 10U M 16V		

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C1031	4040847700	ELECT 10U M 16V	C218	4011057919	MT-GLAZE 0.000 ZA 1/16W
	4030418824	ELECT 10U M 16V	C219	4032152211	CERAMIC 0.01U K 50V
C1032	4040847700	ELECT 10U M 16V	C221	4033053517	CERAMIC 0.1U Z 50V
	4030418824	ELECT 10U M 16V	C222	4033053517	CERAMIC 0.1U Z 50V
C106	4040849308	ELECT 47U M 50V	C223	4033053517	CERAMIC 0.1U Z 50V
	4030513123	ELECT 47U M 50V	C224	4033670417	CERAMIC 0.1U K 50V
C1060	4040847700	ELECT 10U M 16V	C225	4040848806	ELECT 1U M 50V
	4030418824	ELECT 10U M 16V		4030490018	ELECT 1U M 50V
C1061	4040847700	ELECT 10U M 16V	C226	4040848806	ELECT 1U M 50V
	4030418824	ELECT 10U M 16V		4030490018	ELECT 1U M 50V
C1062	4040848004	ELECT 220U M 16V	C227	4040849803	NP-ELECT 1U M 50V
	4030430222	ELECT 220U M 16V		4030862310	NP-ELECT 1U M 50V
C1063	4040848905	ELECT 10U M 50V	C231	4032602944	MT-COMPO 0.33U J 50V
	4030494224	ELECT 10U M 50V	C232	4032602944	MT-COMPO 0.33U J 50V
C1064	4040848905	ELECT 10U M 50V	C233	4040848905	ELECT 10U M 50V
	4030494224	ELECT 10U M 50V		4030494224	ELECT 10U M 50V
C1065	4040848905	ELECT 10U M 50V	C240	4032152211	CERAMIC 0.01U K 50V
	4030494224	ELECT 10U M 50V	C243	4032152211	CERAMIC 0.01U K 50V
C1066	4040848905	ELECT 10U M 50V	C244	4040849308	ELECT 47U M 50V
	4030494224	ELECT 10U M 50V		4030513123	ELECT 47U M 50V
C107	4040849308	ELECT 47U M 50V	C245	4040849803	NP-ELECT 1U M 50V
	4030513123	ELECT 47U M 50V		4030862310	NP-ELECT 1U M 50V
C1081	4032152211	CERAMIC 0.01U K 50V	C246	4040848806	ELECT 1U M 50V
C1082	4040847700	ELECT 10U M 16V		4030490018	ELECT 1U M 50V
	4030418824	ELECT 10U M 16V	C247	4040849001	ELECT 2.2U M 50V
C1084	4032152211	CERAMIC 0.01U K 50V		4030499823	ELECT 2.2U M 50V
C111	4032152211	CERAMIC 0.01U K 50V	C273	4033053517	CERAMIC 0.1U Z 50V
C112	4032152211	CERAMIC 0.01U K 50V	C275	4040849308	ELECT 47U M 50V
C113	4032152211	CERAMIC 0.01U K 50V		4030513123	ELECT 47U M 50V
C120	4032844314	CERAMIC 0.022U K 50V	C276	4040849308	ELECT 47U M 50V
C121	4032152211	CERAMIC 0.01U K 50V		4030513123	ELECT 47U M 50V
C122	4040847809	ELECT 100U M 16V	C277	4040871606	ELECT 0.1U M 50V
	4030422425	ELECT 100U M 16V		4030478422	ELECT 0.1U M 50V
C123	4011057919	MT-GLAZE 0.000 ZA 1/16W	C278	4033053517	CERAMIC 0.1U Z 50V
C124	4032152211	CERAMIC 0.01U K 50V	C280	4032152211	CERAMIC 0.01U K 50V
C132	4040848707	ELECT 0.47U M 50V	C281	4040848806	ELECT 1U M 50V
	4030486328	ELECT 0.47U M 50V		4030490018	ELECT 1U M 50V
C135	4040848707	ELECT 0.47U M 50V	C282	4032152211	CERAMIC 0.01U K 50V
	4030486328	ELECT 0.47U M 50V	C283	4032152211	CERAMIC 0.01U K 50V
C138	4032844314	CERAMIC 0.022U K 50V	C284	4040848806	ELECT 1U M 50V
C1401	4040847809	ELECT 100U M 16V		4030490018	ELECT 1U M 50V
	4030422425	ELECT 100U M 16V	C285	4040849803	NP-ELECT 1U M 50V
C1402	4032152211	CERAMIC 0.01U K 50V		4030862310	NP-ELECT 1U M 50V
C1501	4032152211	CERAMIC 0.01U K 50V	C286	4040848806	ELECT 1U M 50V
C1502	4040848905	ELECT 10U M 50V		4030490018	ELECT 1U M 50V
	4030494224	ELECT 10U M 50V	C287	4040849803	NP-ELECT 1U M 50V
C171	4031552111	CERAMIC 1500P K 50V		4030862310	NP-ELECT 1U M 50V
C172	4032152211	CERAMIC 0.01U K 50V	C288	4030608433	POLYESTER 0.033U K 50V
C174	4031571914	CERAMIC 10P D 50V		4031791619	POLYESTER 0.033U K 50V
C1902	4040875406	ELECT 22U M 50V	C289	4040848905	ELECT 10U M 50V
	4030502810	ELECT 22U M 50V		4030494224	ELECT 10U M 50V
C201	4040849803	NP-ELECT 1U M 50V	C291	4031818217	POLYESTER 0.1U K 50V
	4030862310	NP-ELECT 1U M 50V	C302	4031133815	CERAMIC 1000P K 50V
C202	4032499039	MT-COMPO 0.015U J 50V	C355	4030708410	CERAMIC 1500P K 50V
C203	4032152211	CERAMIC 0.01U K 50V	C358	4040848806	ELECT 1U M 50V
C204	4040848905	ELECT 10U M 50V		4030490018	ELECT 1U M 50V
	4030494224	ELECT 10U M 50V	C3701	4040847908	ELECT 1000U M 16V
C205	4040848905	ELECT 10U M 50V		4030424875	ELECT 1000U M 16V
	4030494224	ELECT 10U M 50V	C3702	4033423310	CERAMIC 0.1U K 25V
C206	4033053517	CERAMIC 0.1U Z 50V	C3710	4040849209	ELECT 4.7U M 50V
C207	4033053517	CERAMIC 0.1U Z 50V		4030510627	ELECT 4.7U M 50V
C208	4031133815	CERAMIC 1000P K 50V	C3711	4040849209	ELECT 4.7U M 50V
C209	4040848707	ELECT 0.47U M 50V		4030510627	ELECT 4.7U M 50V
	4030486328	ELECT 0.47U M 50V	C3712	4040849209	ELECT 4.7U M 50V
C210	4040848400	ELECT 1000U M 25V		4030510627	ELECT 4.7U M 50V
	4030451534	ELECT 1000U M 25V	C3714	4031134119	CERAMIC 2200P K 50V
C212	4031554214	CERAMIC 15P J 50V	C3715	4033423310	CERAMIC 0.1U K 25V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C3717	4040848806	ELECT 1U M 50V		4032769726	POLYESTER 0.1U K 100V
	4030490018	ELECT 1U M 50V	C527	4040848905	ELECT 10U M 50V
C3720	4040849209	ELECT 4.7U M 50V		4030494224	ELECT 10U M 50V
	4030510627	ELECT 4.7U M 50V	C540	4030857316	NP-ELECT 10U M 25V
C3721	4040849209	ELECT 4.7U M 50V	△C601	4040712107	MT-POLYEST 0.1U K 250V
	4030510627	ELECT 4.7U M 50V		4040725602	MT-POLYEST 0.1U M 250V
C3722	4040849209	ELECT 4.7U M 50V		4040607205	MT-POLYEST 0.1U M 250V
	4030510627	ELECT 4.7U M 50V		4040661702	MT-POLYEST 0.1U M 275V
C3724	4031134119	CERAMIC 2200P K 50V		4040936107	MT-POLYEST 0.1U M 275V
C3725	4033423310	CERAMIC 0.1U K 25V	△C602	4040712107	MT-POLYEST 0.1U K 250V
C3727	4040848806	ELECT 1U M 50V		4040725602	MT-POLYEST 0.1U M 250V
	4030490018	ELECT 1U M 50V		4040607205	MT-POLYEST 0.1U M 250V
C3730	4032844314	CERAMIC 0.022U K 50V		4040661702	MT-POLYEST 0.1U M 275V
C3731	4032789615	CERAMIC 1U Z 16V		4040936107	MT-POLYEST 0.1U M 275V
C3732	4032794312	CERAMIC 0.33U K 16V	C608	4030766707	CERAMIC 1000P K 1K
C3733	4040848806	ELECT 1U M 50V			CERAMIC 1000P K 1K
	4030490018	ELECT 1U M 50V		4032719622	CERAMIC 1000P K 1K
C3734	4040848806	ELECT 1U M 50V	C609	4040445005	ELECT 220U M 400V
	4030490018	ELECT 1U M 50V	C611	4030569734	POLYESTER 0.01U J 50V
C3735	4040848806	ELECT 1U M 50V		4031789319	POLYESTER 0.01U J 50V
	4030490018	ELECT 1U M 50V	C613	4030573137	POLYESTER 0.1U K 50V
C420	4040806608	MT-POLYPRO 6800P H 1.5K		4031818217	POLYESTER 0.1U K 50V
	4033480610	MT-POLYPRO 6800P H 1.5K	C614	4032377941	MT-COMPO 0.22U J 50V
C423	4040774600	MT-POLYPRO 7800P H 1.5K	C615		CERAMIC 220P K 2K
	4033438215	MT-POLYPRO 7800P H 1.5K	C617		CERAMIC 220P K 2K
C424	4030834317	POLYPRO 0.022U J 400V	C618	4033145103	MT-POLYEST 0.047U K 630V
C425	4033439410	POLYPRO 0.02U J 400V	△C629	4040734901	CERAMIC 3300P K 250V
C432	4030757121	CERAMIC 1000P K 500V		4040793304	CERAMIC 3300P M 250V
C433	4030763122	CERAMIC 3900P K 500V		4040715306	CERAMIC 3300P M 400V
C434	4040876007	ELECT 47U M 35V	C643	4031480424	ELECT 1000U M 25V
	4030540713	ELECT 47U M 35V	C644	4030461612	ELECT 3.3U M 25V
C437	4030666106	MT-POLYEST 0.47U J 250V	C651	4040739005	ELECT 220U M 160V
C441	4032673211	MT-POLYPRO 0.18U J 400V	C652	4031482012	ELECT 470U M 35V
C442	4030790910	MT-POLYPRO 0.15U J 400V	C653	4030859805	NP-ELECT 33U M 25V
C462	4040848707	ELECT 0.47U M 50V	C654	4030468007	ELECT 3300U M 25V
	4030486328	ELECT 0.47U M 50V	C655		CERAMIC 680P K 1K
C463	4031481411	ELECT 220U M 50V			CERAMIC 680P K 1K
C464	4040848806	ELECT 1U M 50V		4032719820	CERAMIC 680P K 1K
	4030490018	ELECT 1U M 50V	C656	4032719721	CERAMIC 3300P K 1K
C465	4030660104	MT-POLYEST 2.2U K 100V	C657	4032475023	CERAMIC 470P K 1K
C466	4032703720	MT-POLYEST 0.39U K 63V		4032691829	CERAMIC 470P K 1K
	4032558934	MT-COMPO 0.39U J 50V	C658	4032475023	CERAMIC 470P K 1K
C467	4030403721	ELECT 220U M 10V		4032691829	CERAMIC 470P K 1K
C468	4040848905	ELECT 22U M 25V	C663	4040871606	ELECT 0.22U M 50V
	4030455829	ELECT 22U M 25V		4030481917	ELECT 0.22U M 50V
C469	4040848905	ELECT 10U M 50V	C664	4040848004	ELECT 220U M 16V
	4030494224	ELECT 10U M 50V		4030430222	ELECT 220U M 16V
C470	4030698325	CERAMIC 0.01U Z 50V	C665	4040848301	ELECT 470U M 16V
C471	4040565208	NP-ELECT 2.2U M 100V		4030441773	ELECT 470U M 16V
	4040849902	NP-ELECT 2.2U M 100V	C681	4040847601	ELECT 470U M 10V
C486	4032600722	ELECT 33U M 250V		4030414529	ELECT 470U M 10V
C491	4030765324	CERAMIC 680P K 500V	C690		ELECT 2.2U M 50V
C510	4040887300	ELECT 22U M 16V	C691	4040876007	ELECT 47U M 35V
	4030427727	ELECT 22U M 16V		4030540713	ELECT 47U M 35V
C511	4032152211	CERAMIC 0.01U K 50V	C693	4040848202	ELECT 47U M 16V
C514	4040875406	ELECT 22U M 50V		4030439136	ELECT 47U M 16V
	4030502810	ELECT 22U M 50V	C801	4031554214	CERAMIC 15P J 50V
C515	4040886600	ELECT 2200U M 25V	C802	4031572515	CERAMIC 27P J 50V
	4030459867	ELECT 2200U M 25V	C803	4032152211	CERAMIC 0.01U K 50V
C517	4040849407	ELECT 220U M 35V	C804	4032247016	CERAMIC 0.047U Z 50V
	4030532134	ELECT 220U M 35V	C805	4040847700	ELECT 10U M 16V
C518	4030729425	CERAMIC 3300P K 50V		4030418824	ELECT 10U M 16V
C520	4030641212	POLYESTER 0.1U K 100V	C806	4031640214	CERAMIC 0.1U Z 25V
	4032769726	POLYESTER 0.1U K 100V	C811	4032152211	CERAMIC 0.01U K 50V
C521	4040873709	ELECT 2200U M 35V	C816	4032152211	CERAMIC 0.01U K 50V
	4030533606	ELECT 2200U M 35V	C823	4031640214	CERAMIC 0.1U Z 25V
C524	4030641212	POLYESTER 0.1U K 100V	C824	4033053517	CERAMIC 0.1U Z 50V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C829	4031640214	CERAMIC 0.1U Z 25V	R108	4010254636	CARBON 18K JA 1/6W
C835	4040848806	ELECT 1U M 50V	R1080	4011054215	MT-GLAZE 33K JA 1/16W
	4030490018	ELECT 1U M 50V	R1081	4011134412	MT-GLAZE 75 JA 1/16W
C836	4031573116	CERAMIC 56P J 50V	R1082	4011134412	MT-GLAZE 75 JA 1/16W
C837	4031573116	CERAMIC 56P J 50V	R1083	4011051610	MT-GLAZE 15K JA 1/16W
C851	4031573116	CERAMIC 56P J 50V	R109	4011058213	MT-GLAZE 68K JA 1/16W
C852	4031573116	CERAMIC 56P J 50V	R111	4011050514	MT-GLAZE 1K JA 1/16W
C853	4031573116	CERAMIC 56P J 50V	R112	4011056011	MT-GLAZE 5.6K JA 1/16W
C854	4040848905	ELECT 10U M 50V	R114	4011054017	MT-GLAZE 330 JA 1/16W
	4030494224	ELECT 10U M 50V	R115	4010272135	CARBON 56 JA 1/6W
C856	4031133815	CERAMIC 1000P K 50V	R116	4011055816	MT-GLAZE 56 JA 1/16W
C861	4040848806	ELECT 1U M 50V	R121	4011056615	MT-GLAZE 6.8K JA 1/16W
	4030490018	ELECT 1U M 50V	R122	4011052815	MT-GLAZE 2.2K JA 1/16W
C862	4031640214	CERAMIC 0.1U Z 25V	R124	4011050613	MT-GLAZE 10K JA 1/16W
C880	4031552210	CERAMIC 3300P K 50V	R125	4010261337	CARBON 27K JA 1/6W
	4031573611	CERAMIC 100P J 50V	R130	4011057919	MT-GLAZE 0.000 ZA 1/16W
C892	4031640214	CERAMIC 0.1U Z 25V	R132	4011055212	MT-GLAZE 470 JA 1/16W
C893	4040849001	ELECT 2.2U M 50V	R140	4011057919	MT-GLAZE 0.000 ZA 1/16W
	4030499823	ELECT 2.2U M 50V	R1401	4011055212	MT-GLAZE 470 JA 1/16W
C894	4033335118	CERAMIC 0.033U K 50V	R1402	4011055212	MT-GLAZE 470 JA 1/16W
			R1403	4011050613	MT-GLAZE 10K JA 1/16W
RESISTOR			R1405	4011050613	MT-GLAZE 10K JA 1/16W
R005	4010247440	CARBON 10K JA 1/6W	R1406	4011050613	MT-GLAZE 10K JA 1/16W
R006	4010077641	CARBON 150 JA 1/2W	R141	4011055915	MT-GLAZE 560 JA 1/16W
R007	4010077641	CARBON 150 JA 1/2W	R1501	4011050514	MT-GLAZE 1K JA 1/16W
R032	4011053416	MT-GLAZE 27K JA 1/16W	R1503	4011057919	MT-GLAZE 0.000 ZA 1/16W
R033	4010261337	CARBON 27K JA 1/6W	R1504	4011053416	MT-GLAZE 27K JA 1/16W
R034	4011057919	MT-GLAZE 0.000 ZA 1/16W	R1505	4011055410	MT-GLAZE 47K JA 1/16W
R035	4010251635	CARBON 1.5K JA 1/6W	R1507	4011054215	MT-GLAZE 33K JA 1/16W
R036	4011057919	MT-GLAZE 0.000 ZA 1/16W	R1508	4011056011	MT-GLAZE 5.6K JA 1/16W
R037	4010261337	CARBON 27K JA 1/6W	R176	4011050613	MT-GLAZE 10K JA 1/16W
R038	4011051511	MT-GLAZE 1.5K JA 1/16W	R1901	4011053416	MT-GLAZE 27K JA 1/16W
R1000	4011051412	MT-GLAZE 150 JA 1/16W	R1902	4011051115	MT-GLAZE 12K JA 1/16W
R1001	4011052815	MT-GLAZE 2.2K JA 1/16W	R1903	4011056011	MT-GLAZE 5.6K JA 1/16W
R1002	4011050712	MT-GLAZE 100K JA 1/16W	R1904	4011054611	MT-GLAZE 3.9K JA 1/16W
R1003	4011052815	MT-GLAZE 2.2K JA 1/16W	R1905	4011052815	MT-GLAZE 2.2K JA 1/16W
R1004	4011050712	MT-GLAZE 100K JA 1/16W	R1906	4011052013	MT-GLAZE 1.8K JA 1/16W
R1005	4011054215	MT-GLAZE 33K JA 1/16W	R1907	4010246730	CARBON 100 JA 1/6W
R101	4011057919	MT-GLAZE 0.000 ZA 1/16W	R1911	4010257439	CARBON 220 JA 1/6W
R103	4010618101	OXIDE-MT 39K JA 1W	R1912	4010257439	CARBON 220 JA 1/6W
R1030	4011051412	MT-GLAZE 150 JA 1/16W	R1913	4010257439	CARBON 220 JA 1/6W
R1031	4011052815	MT-GLAZE 2.2K JA 1/16W	R194	4011055212	MT-GLAZE 470 JA 1/16W
R1032	4011050712	MT-GLAZE 100K JA 1/16W	R195	4011055212	MT-GLAZE 470 JA 1/16W
R1034	4010257835	CARBON 2.2K JA 1/6W	R208	4011057919	MT-GLAZE 0.000 ZA 1/16W
R1035	4011050712	MT-GLAZE 100K JA 1/16W	R210	4011053713	MT-GLAZE 3K JA 1/16W
R106	4010246730	CARBON 100 JA 1/6W	R211	4010251338	CARBON 150 JA 1/6W
R1060	4010276638	CARBON 75 JA 1/6W	R212	4010251338	CARBON 150 JA 1/6W
R1061	4011056615	MT-GLAZE 6.8K JA 1/16W	R221	4011050514	MT-GLAZE 1K JA 1/16W
R1062	4011056615	MT-GLAZE 6.8K JA 1/16W	R222	4011050514	MT-GLAZE 1K JA 1/16W
R1063	4011055915	MT-GLAZE 560 JA 1/16W	R223	4011050514	MT-GLAZE 1K JA 1/16W
R1064	4011050712	MT-GLAZE 100K JA 1/16W	R224	4011055311	MT-GLAZE 4.7K JA 1/16W
R1065	4011055915	MT-GLAZE 560 JA 1/16W	R225	4011055311	MT-GLAZE 4.7K JA 1/16W
R1066	4011050712	MT-GLAZE 100K JA 1/16W	R226	4011053416	MT-GLAZE 27K JA 1/16W
R1067	4011054611	MT-GLAZE 3.9K JA 1/16W	R227	4011055410	MT-GLAZE 47K JA 1/16W
R1068	4011050514	MT-GLAZE 1K JA 1/16W	R228	4010261634	CARBON 270K JA 1/6W
R1069	4011056615	MT-GLAZE 6.8K JA 1/16W	R229	4011056714	MT-GLAZE 680K JA 1/16W
R107	4010246730	CARBON 100 JA 1/6W	R230	4010269333	CARBON 47 JA 1/6W
R1070	4011056615	MT-GLAZE 6.8K JA 1/16W	R234	4011055816	MT-GLAZE 56 JA 1/16W
R1071	4011054611	MT-GLAZE 3.9K JA 1/16W	R235	4011055816	MT-GLAZE 56 JA 1/16W
R1072	4011050514	MT-GLAZE 1K JA 1/16W	R236	4011055816	MT-GLAZE 56 JA 1/16W
R1073	4011056615	MT-GLAZE 6.8K JA 1/16W	R237	4011057414	MT-GLAZE 8.2K JA 1/16W
R1074	4011051610	MT-GLAZE 15K JA 1/16W	R244	4011055410	MT-GLAZE 47K JA 1/16W
R1075	4011051412	MT-GLAZE 150 JA 1/16W	R245	4011055410	MT-GLAZE 47K JA 1/16W
R1076	4011051412	MT-GLAZE 150 JA 1/16W	R264	4010260637	CARBON 270 JA 1/6W
R1077	4011054215	MT-GLAZE 33K JA 1/16W	R265	4011057919	MT-GLAZE 0.000 ZA 1/16W
R1078	4011056615	MT-GLAZE 6.8K JA 1/16W	R267	4010260637	CARBON 270 JA 1/6W
R1079	4011054215	MT-GLAZE 33K JA 1/16W	R271	4011050415	MT-GLAZE 100 JA 1/16W

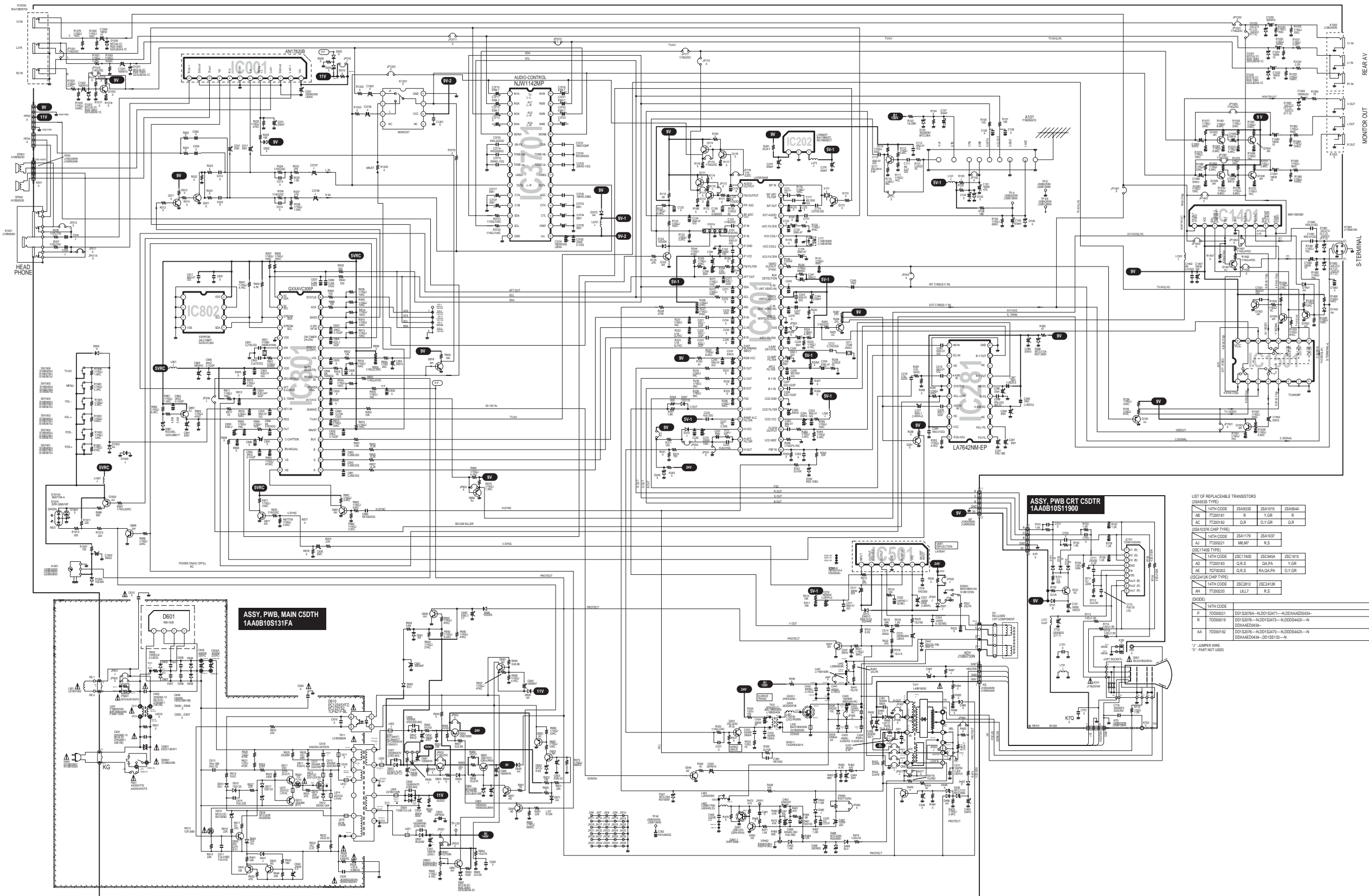
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R272	4011050415	MT-GLAZE 100 JA 1/16W	R615	4010257439	CARBON 220 JA 1/6W
R280	4011050415	MT-GLAZE 100 JA 1/16W	R616	4010258238	CARBON 22K JA 1/6W
R281	4011053416	MT-GLAZE 27K JA 1/16W	R619	4010161548	CARBON 22 JA 1/4W
R282	4011054116	MT-GLAZE 3.3K JA 1/16W	R620	4010104812	CARBON 470K JA 1/2W
R283	4011055311	MT-GLAZE 4.7K JA 1/16W	R621	4010104812	CARBON 470K JA 1/2W
R284	4011054116	MT-GLAZE 3.3K JA 1/16W	R622	4010199650	CARBON 47 JA 1/4W
R285	4010269333	CARBON 47 JA 1/6W	R623	4010264932	CARBON 330K JA 1/6W
R286	4012039914	MT-GLAZE 4.7K FA 1/16W	△R624	4020018502	FUSIBLE RES 10 J- 1/2W
R287	4011057919	MT-GLAZE 0.000 ZA 1/16W	R625	4010694501	OXIDE-MT 68K JA 2W
R291	4010681600	OXIDE-MT 4.7 JA 2W	R626	4010694501	OXIDE-MT 68K JA 2W
R352	4010127059	CARBON 10K JA 1/4W	R627	4010258238	CARBON 22K JA 1/6W
R354	4010258238	CARBON 22K JA 1/6W	△R628	4020008602	SOLID 5.6M KA 1/2W
R355	4010127059	CARBON 10K JA 1/4W	△R629	4020008602	SOLID 5.6M KA 1/2W
R356	4011050613	MT-GLAZE 10K JA 1/16W	R631	4010270339	CARBON 47K JA 1/6W
R357	4010254230	CARBON 1.8K JA 1/6W	R632	4012280405	OXIDE-MT 0.27 JA 2W
R358	4011057919	MT-GLAZE 0.000 ZA 1/16W	R633	4010641406	OXIDE-MT 0.33 JA 2W
R359	4010279035	CARBON 82K JA 1/6W	R641	4010247440	CARBON 10K JA 1/6W
R3731	4011050415	MT-GLAZE 100 JA 1/16W	R642	4010270339	CARBON 47K JA 1/6W
R3732	4011050415	MT-GLAZE 100 JA 1/16W	R643	4010254636	CARBON 18K JA 1/6W
R422	4010202954	CARBON 47K JA 1/4W	R644	4010258238	CARBON 22K JA 1/6W
R423	4010202954	CARBON 47K JA 1/4W	R651	4010247034	CARBON 1K JA 1/6W
R424	4010247034	CARBON 1K JA 1/6W	R652	4010264635	CARBON 33K JA 1/6W
R426	4010247440	CARBON 10K JA 1/6W	R653	4020589606	FUSIBLE RES 5.6 J- 1W
R432	4011050514	MT-GLAZE 1K JA 1/16W	R654	4010145251	CARBON 15K JA 1/4W
R433	4010071134	CARBON 1K JA 1/2W	R655	4010127059	CARBON 10K JA 1/4W
R434	4010070167	CARBON 100 JA 1/2W	R656	4010607402	OXIDE-MT 270 JA 1W
R435	4020803702	OXIDE-MT 6.8 JB 7W	R657	4010191951	CARBON 3.9K JA 1/4W
R441	4010583706	OXIDE-MT 1K JA 1W	R661	4010128155	CARBON 100K JA 1/4W
R442	4010648702	OXIDE-MT 1K JA 2W	R662	4011055311	MT-GLAZE 4.7K JA 1/16W
R461	4010269630	CARBON 470 JA 1/6W	R663	4010252335	CARBON 150K JA 1/6W
R462	4010269630	CARBON 470 JA 1/6W	R664	4010609307	OXIDE-MT 27K JA 1W
R463	4010275235	CARBON 680 JA 1/6W	R665	4010136457	CARBON 12K JA 1/4W
R464	4010249731	CARBON 12K JA 1/6W	R666	4011052914	MT-GLAZE 22K JA 1/16W
R465	4010269937	CARBON 4.7K JA 1/6W	R667	4011050613	MT-GLAZE 10K JA 1/16W
R466	4010254230	CARBON 1.8K JA 1/6W	R668	4010651801	OXIDE-MT 12 JA 2W
R467	4010250242	CARBON 1.2M JA 1/6W	R669	4010651801	OXIDE-MT 12 JA 2W
R469	4010279035	CARBON 82K JA 1/6W	R671	4010258238	CARBON 22K JA 1/6W
R471	4010251635	CARBON 1.5K JA 1/6W	R672	4010249731	CARBON 12K JA 1/6W
R472	4010270339	CARBON 47K JA 1/6W	R673	4011056110	MT-GLAZE 560K JA 1/16W
R473	4010269630	CARBON 470 JA 1/6W	R681	4010258238	CARBON 22K JA 1/6W
R474	4010071134	CARBON 1K JA 1/2W	R682	4011056110	MT-GLAZE 560K JA 1/16W
R475	4010095843	CARBON 330 JA 1/2W	R690	4011055410	MT-GLAZE 47K JA 1/16W
R477A	4010626106	OXIDE-MT 560 JA 1W	R691	4011055410	MT-GLAZE 47K JA 1/16W
R479	4011052815	MT-GLAZE 2.2K JA 1/16W	R692	4011057414	MT-GLAZE 8.2K JA 1/16W
R480	4010270339	CARBON 47K JA 1/6W	R693	4011053416	MT-GLAZE 27K JA 1/16W
R481	4010681600	OXIDE-MT 4.7 JA 2W	R694	4010272630	CARBON 5.6K JA 1/6W
R488	4020222008	FUSIBLE RES 1.0 J- 1/2W	R695	4010223157	CARBON 6.8K JA 1/4W
R501	4010648702	OXIDE-MT 1K JA 2W	R696	4011055311	MT-GLAZE 4.7K JA 1/16W
R510	4010247440	CARBON 10K JA 1/6W	R697	4011055410	MT-GLAZE 47K JA 1/16W
R511	4010247440	CARBON 10K JA 1/6W	R801	4011053515	MT-GLAZE 270K JA 1/16W
R512	4010200851	CARBON 470 JA 1/4W	R811	4011050613	MT-GLAZE 10K JA 1/16W
R514	4010278632	CARBON 8.2K JA 1/6W	R813	4011050613	MT-GLAZE 10K JA 1/16W
R515	4010267438	CARBON 39K JA 1/6W	R814	4011050613	MT-GLAZE 10K JA 1/16W
R516	4010249335	CARBON 1.2K JA 1/6W	R815	4011050613	MT-GLAZE 10K JA 1/16W
R518	4010580606	OXIDE-MT 1.8 JA 1W	R816	4011050613	MT-GLAZE 10K JA 1/16W
R519	4010246730	CARBON 100 JA 1/6W	R817	4010247034	CARBON 1K JA 1/6W
R522	4010269630	CARBON 470 JA 1/6W	R818	4010247034	CARBON 1K JA 1/6W
R525	4010596706	OXIDE-MT 180 JA 1W	R819	4011050613	MT-GLAZE 10K JA 1/16W
R527	4011058114	MT-GLAZE 56K JA 1/16W	R820	4010247440	CARBON 10K JA 1/6W
R540	4010247034	CARBON 1K JA 1/6W	R830	4011050514	MT-GLAZE 1K JA 1/16W
R602	4020686305	WIRE WOUND 3.9 KA 10W	R831	4011055212	MT-GLAZE 470 JA 1/16W
	4020824202	WIRE WOUND 3.9 KA 10W	R833	4010247440	CARBON 10K JA 1/6W
R602C	4020686305	WIRE WOUND 3.9 KA 10W	R834	4011050613	MT-GLAZE 10K JA 1/16W
	4020824202	WIRE WOUND 3.9 KA 10W	R835	4011050613	MT-GLAZE 10K JA 1/16W
R611	4010200851	CARBON 470 JA 1/4W	R836	4011050613	MT-GLAZE 10K JA 1/16W
△R613	4020921307	FUSIBLE RES 680 J- 1/2W	R837	4011051610	MT-GLAZE 15K JA 1/16W
R614	4010258238	CARBON 22K JA 1/6W	R838	4011051610	MT-GLAZE 15K JA 1/16W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R839	4010263935	CARBON 330 JA 1/6W	L613	6100785946	PIPE CORE
R840	4010263935	CARBON 330 JA 1/6W		6100785953	PIPE CORE
R841	4011055311	MT-GLAZE 4.7K JA 1/16W	L614	6100785946	PIPE CORE
R842	4010269937	CARBON 4.7K JA 1/6W		6100785953	PIPE CORE
R851	4010251635	CARBON 1.5K JA 1/6W	L615	6100785946	PIPE CORE
R852	4010247440	CARBON 10K JA 1/6W		6100785953	PIPE CORE
R853	4010278632	CARBON 8.2K JA 1/6W	L616	6450050763	CORE,PIPE
R854	4011057919	MT-GLAZE 0.000 ZA 1/16W	L654	6450050763	CORE,PIPE
R855	4010278632	CARBON 8.2K JA 1/6W			
R857	4010278632	CARBON 8.2K JA 1/6W			
R859	4011054611	MT-GLAZE 3.9K JA 1/16W	DIODE		
R861	4011051511	MT-GLAZE 1.5K JA 1/16W	D1000	4070639722	ZENER DIODE MTZJ9.1C
R862	4011057414	MT-GLAZE 8.2K JA 1/16W		4070579820	ZENER DIODE RD9.1EB3
R863	4011055410	MT-GLAZE 47K JA 1/16W		4080480301	ZENER DIODE MTZJ9.1C-52
R866	4010246730	CARBON 100 JA 1/6W	D1001	4070639722	ZENER DIODE MTZJ9.1C
R869	4010246730	CARBON 100 JA 1/6W		4070579820	ZENER DIODE RD9.1EB3
R870	4011057919	MT-GLAZE 0.000 ZA 1/16W		4080480301	ZENER DIODE MTZJ9.1C-52
R871	4011050613	MT-GLAZE 10K JA 1/16W	D1002	4070639722	ZENER DIODE MTZJ9.1C
R872	4010261337	CARBON 27K JA 1/6W		4070579820	ZENER DIODE RD9.1EB3
R873	4011054215	MT-GLAZE 33K JA 1/16W		4080480301	ZENER DIODE MTZJ9.1C-52
R874	4011050613	MT-GLAZE 10K JA 1/16W	D103	4071000224	ZENER DIODE MTZJ36A
R875	4011055410	MT-GLAZE 47K JA 1/16W		4070562317	ZENER DIODE RD36EB1
R877TM	4011054116	MT-GLAZE 3.3K JA 1/16W	D1030	4070710015	ZENER DIODE DZD12X-TA
R879	4011135914	MT-GLAZE 1.3K JA 1/16W		4070710114	ZENER DIODE DZD12Y-TA
R880	4011055311	MT-GLAZE 4.7K JA 1/16W		4070710213	ZENER DIODE DZD12Z-TA
R881	4011054116	MT-GLAZE 3.3K JA 1/16W		4070544115	ZENER DIODE RD12M-T2BB1
R882	4011054116	MT-GLAZE 3.3K JA 1/16W		4070544214	ZENER DIODE RD12M-T2BB2
R883	4011054215	MT-GLAZE 33K JA 1/16W		4070544313	ZENER DIODE RD12M-T2BB3
R886	4011052914	MT-GLAZE 22K JA 1/16W		4071996210	ZD 02CZ12X(TE85R)
R887	4011052914	MT-GLAZE 22K JA 1/16W		4071752816	ZD 02CZ12Y(TE85R)
R888	4010272333	CARBON 560 JA 1/6W		4071752915	ZD 02CZ12Z(TE85R)
R892	4011055519	MT-GLAZE 470K JA 1/16W	D1031	4070639722	ZENER DIODE MTZJ9.1C
R893	4011058015	MT-GLAZE 1M JA 1/16W		4070579820	ZENER DIODE RD9.1EB3
R894	4011050415	MT-GLAZE 100 JA 1/16W		4080480301	ZENER DIODE MTZJ9.1C-52
			D1032	4070639722	ZENER DIODE MTZJ9.1C
				4070579820	ZENER DIODE RD9.1EB3
				4080480301	ZENER DIODE MTZJ9.1C-52
VARIABLE RESISTOR			D1060	4070710015	ZENER DIODE DZD12X-TA
VR462	6450065606	VR, SEMI, 4.7K N		4070710114	ZENER DIODE DZD12Y-TA
	6450035616	VR, SEMI, 4.7K N		4070710213	ZENER DIODE DZD12Z-TA
VR463	6450035524	VR, SEMI, 1K N		4070544115	ZENER DIODE RD12M-T2BB1
VR651	6450065514	VR, SEMI, 2.2K N		4070544214	ZENER DIODE RD12M-T2BB2
	6450035579	VR, SEMI, 2.2K N		4070544313	ZENER DIODE RD12M-T2BB3
				4071996210	ZD 02CZ12X(TE85R)
				4071752816	ZD 02CZ12Y(TE85R)
				4071752915	ZD 02CZ12Z(TE85R)
TRANSFORMER			D1081	4070710015	ZENER DIODE DZD12X-TA
T431	6100001077	DRIVE TRANS		4070710114	ZENER DIODE DZD12Y-TA
	6102231656	DRIVE TRANS		4070710213	ZENER DIODE DZD12Z-TA
	6450473371	TRANS,DRIVE		4070544115	ZENER DIODE RD12M-T2BB1
	6520000704	TRANS,DRIVE		4070544214	ZENER DIODE RD12M-T2BB2
△ T471	6450591105	TRANS, FLYBACK		4070544313	ZENER DIODE RD12M-T2BB3
△ T611	6450662065	TRANS, POWER, PULSE		4071996210	ZD 02CZ12X(TE85R)
				4071752816	ZD 02CZ12Y(TE85R)
				4071752915	ZD 02CZ12Z(TE85R)
COIL			D1082	4070710015	ZENER DIODE DZD12X-TA
L171	6450493379	TRANS, OSC, 38MHZ		4070710114	ZENER DIODE DZD12Y-TA
	6450540271	TRANS, OSC, 38MHZ		4070710213	ZENER DIODE DZD12Z-TA
L431	6100325821	FILTER COIL		4070544115	ZENER DIODE RD12M-T2BB1
	6450085628	INDUCTOR, 1U M		4070544214	ZENER DIODE RD12M-T2BB2
L432	6100784635	PIPE CORE		4070544313	ZENER DIODE RD12M-T2BB3
	6450022364	CORE, PIPE		4071996210	ZD 02CZ12X(TE85R)
	6520000469	CORE, PIPE		4071752816	ZD 02CZ12Y(TE85R)
L441	6450298035	COIL, LINEARITY		4071752915	ZD 02CZ12Z(TE85R)
L442	6450580444	INDUCTOR, 145U		4070710015	ZENER DIODE DZD12X-TA
L461	6100311367	INDUCTOR 202J		4070710114	ZENER DIODE DZD12Y-TA
	6102113488	INDUCTOR		4070710213	ZENER DIODE DZD12Z-TA
	6450055645	INDUCTOR, 2200U K		4070544115	ZENER DIODE RD12M-T2BB1
L462	6450002229	INDUCTOR 430UH		4070544214	ZENER DIODE RD12M-T2BB2
△ L601	6450193873	LINE FILTER		4070544313	ZENER DIODE RD12M-T2BB3
	6450588235	LINE FILTER		4071996210	ZD 02CZ12X(TE85R)
	6520001961	LINE FILTER		4071752816	ZD 02CZ12Y(TE85R)
				4071752915	ZD 02CZ12Z(TE85R)
			D122	4071661118	DIODE 1SS356-TW11
			D1401	4080093204	DIODE 1N4148
				4070124426	DIODE 1SS133
				4070134336	DIODE 1S2076A

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
X801	6450041938	OSC,CRYSTAL 32.768KHZ		4070134227	DIODE 1S2076
	6450041945	OSC,CRYSTAL 32.768KHZ		4070137129	DIODE 1S2473
6103119342 ASSY,PWB,CRT C5DTR 1AA0B10S11900			D754	4070054525	DIODE DS442X
				4080093204	DIODE 1N4148
TRANSISTOR				4070131236	DIODE 1S1555
Q751	4060087407	TR 2SA1015-G(SAN)-TPE2		4070134227	DIODE 1S2076
	4050017417	TR 2SA1015-O(SAN)		4070137129	DIODE 1S2473
	4050017615	TR 2SA1015-Y(SAN)	MISCELLANEOUS		
	4050043119	TR 2SA564A-Q(CU)	△K701L	6450262005	SOCKET,CRT 8P
	4050043218	TR 2SA564A-R(CU)			
	4051513324	TR 2SA608NF-NPA			
	4050061717	TR 2SA933S-Q			
INTEGRATED CIRCUIT					
IC701	4094688403	IC TDA6103Q/N3			
CAPACITOR					
C706	4030281626	CERAMIC 56P J 50V			
C710	4032811118	ELECT 22U M 250V			
	4032600415	ELECT 22U M 250V			
C716	4030177424	CERAMIC 22P J 50V			
C726	4030239627	CERAMIC 39P J 50V			
C731	4032636820	CERAMIC 2200P K 2K			
C751	4030422425	ELECT 100U M 16V			
C761		MT-POLYEST 0.1U K 250V			
C762		MT-COMPO 0.22U J 50V			
	4032377941	MT-COMPO 0.22U J 50V			
RESISTOR					
R704	4010650804	OXIDE-MT 100K JA 2W			
R705	4010078440	CARBON 1.5K JA 1/2W			
R706	4010254230	CARBON 1.8K JA 1/6W			
R714	4010650804	OXIDE-MT 100K JA 2W			
R715L	4010078440	CARBON 1.5K JA 1/2W			
R716	4010254230	CARBON 1.8K JA 1/6W			
R718	4010078440	CARBON 1.5K JA 1/2W			
R724	4010650804	OXIDE-MT 100K JA 2W			
R725L	4010078440	CARBON 1.5K JA 1/2W			
R726	4010254230	CARBON 1.8K JA 1/6W			
R752	4010247034	CARBON 1K JA 1/6W			
R753	4010247440	CARBON 10K JA 1/6W			
R761	4010165853	CARBON 220K JA 1/4W			
R762	4010163859	CARBON 2.2K JA 1/4W			
COIL					
L731	4010199650	CARBON 47 JA 1/4W			
DIODE					
D731	4010249335	CARBON 1.2K JA 1/6W			
D732	4010249335	CARBON 1.2K JA 1/6W			
D733	4010249335	CARBON 1.2K JA 1/6W			
D751	4070054525	DIODE DS442X			
	4080093204	DIODE 1N4148			
	4070131236	DIODE 1S1555			
	4070134227	DIODE 1S2076			
	4070137129	DIODE 1S2473			
D752	4070054525	DIODE DS442X			
	4080093204	DIODE 1N4148			
	4070131236	DIODE 1S1555			
	4070134227	DIODE 1S2076			
	4070137129	DIODE 1S2473			
D753	4070054525	DIODE DS442X			
	4080093204	DIODE 1N4148			
	4070131236	DIODE 1S1555			



SANYO Electric Co., Ltd.



LIST OF REPLACEABLE TRANSISTORS (SAB935 TYPE)

14TH CODE	2SA935	2SA1015	2SA944A
AB	7T20181	R	Y,GR
AC	7T20182	Q,R	O,Y,GR

(2SA103X CHP TYPE)

14TH CODE	2SA1178	2SA1807
AJ	7T20221	M,M,F
		R,S

(2SC114S TYPE)

14TH CODE	2SC1145S	2SC345A	2SC1815
AD	7T20183	Q,R,S	QA,PA
AE	7T07032	Q,R,S	RA,QA,PA
			O,Y,GR

(2SC241K CHP TYPE)

14TH CODE	2SC2812	2SC241K
AL	7T20220	U,L,L,T
		R,S

(D-CODE)

14TH CODE	D01	D01S2471-N	D01AED0434-N
P	7D00021	D01S2471-N	D01AED0434-N
R	7D00019	D01S2473-N	D00S5442X-N
			D0KAED0434-N
AA	7D00019	D01S2473-N	D00S5442X-N
			D0KAED0434-N
			D01S8113-N

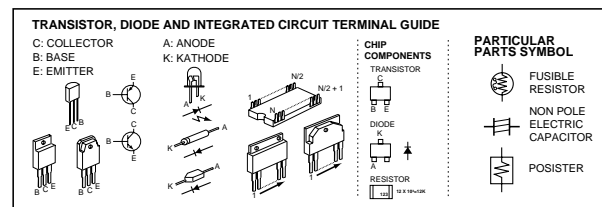
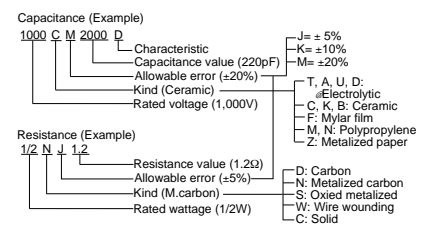
* J: JUMPER WIRE
X: PART NOT USED

THE SERVICE PRECAUTION:
The area enclosed by this line () is directly connected with AC mains voltage. When servicing the area, connect an isolating transformer between TV receiver and AC line to eliminate hazard of electric shock.

PRODUCT SAFETY NOTICE:
Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a mark Δ in this circuit diagram show components whose values have special significance to product safety. It is particularly recommended that only parts specified on the part service manual be used for components replacement pointed out by the mark.

CIRCUIT DIAGRAM NOTICE:
1. All resistance value are in ohms, K=1,000, M=1,000,000.
2. All resistance rated wattages are 1/6W unless otherwise noted.
3. Excepting electrolytic capacitors, all capacitance values of less than 1 are expressed in μ F and more than 1 are pF.
4. All capacitance rated voltages are 50V unless otherwise noted.
5. All inductance values are in μ H.
6. Voltage readings take with a "VTVM" are from point indicated chassis ground. Voltage readings taken by using PAL colour bar signal are with all controls at normal position. Some voltage may vary with signal strength.
7. Waveform were taken with PAL colour bar and controls adjusted for normal picture. Waveforms were taken by using a wide band oscilloscope and a low capacity probe.
8. This circuit diagram covers a basic or representative chassis only. There may be some components or partial circuit differences between the actual chassis and the circuit diagram.
9. Parts specified with "X" are not installed in this model.
10. Parts specified with "J" are just jumper wires.

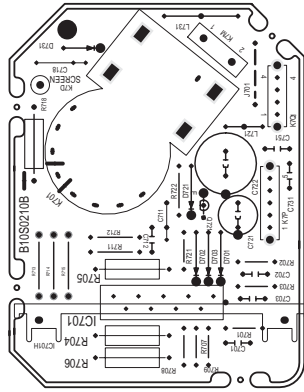
11. Expression of capacitance and resistance in circuit diagram.



SANYO COLOUR TELEVISION **FC3-G2** CHASSIS SERIES

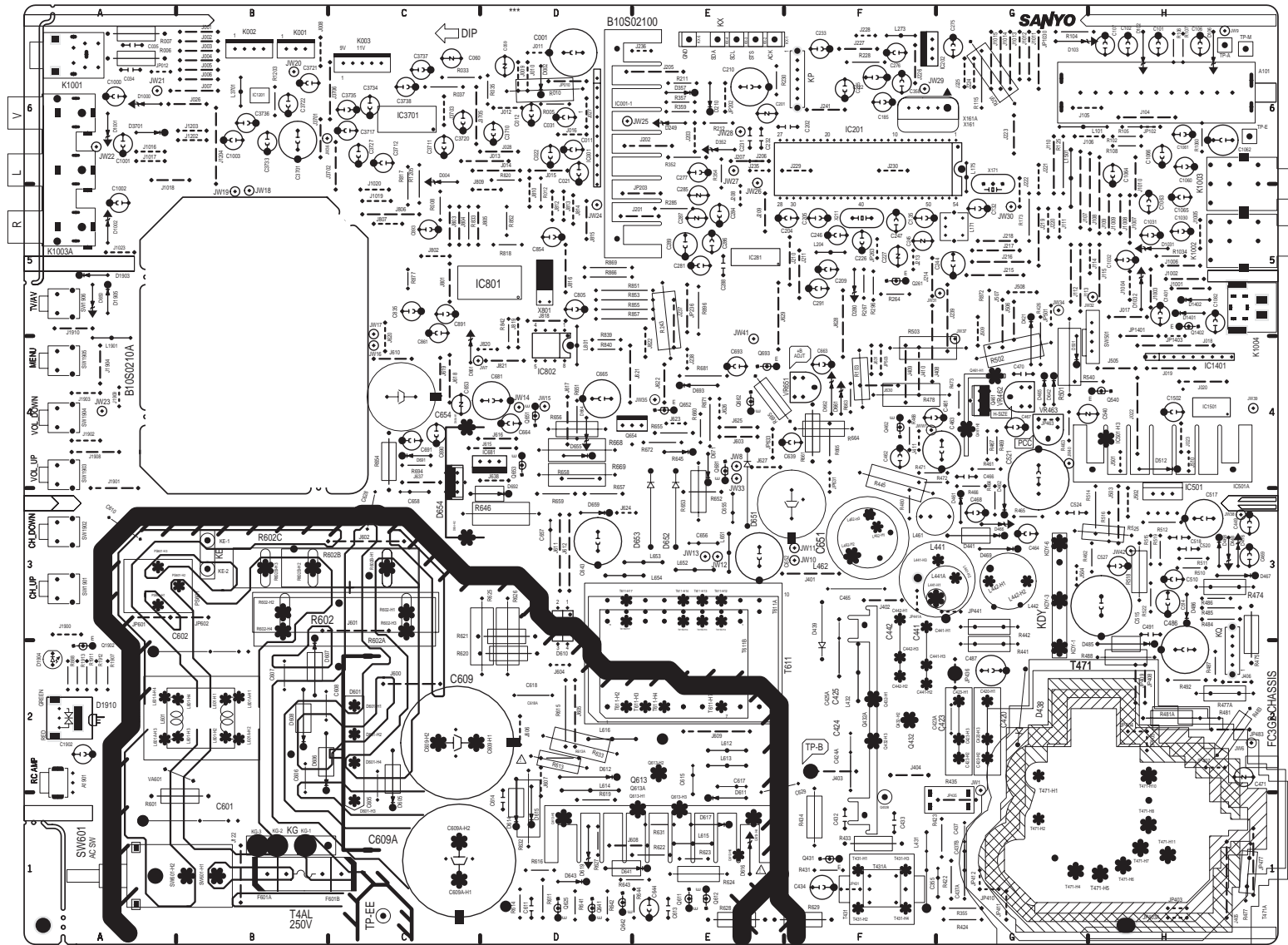
SERVICE REF. NO. **CE29KF8R-50**

CRT BOARD (Component Location)



(C5G.)

MAIN BOARD (Component Location)



(C5GJ)

Waveforms & Voltages

(On the Main Board)

IC001 (AUDIO AMP.)																	
Pin-1	7.1V	2	0V	3	GND	4	1V	5	1.5V	6	0V	7	GND	8	5.2V	9	6.9V
10	0V	11	GND	12	15V												

IC1501 (VIDEO SWITCH)																	
Pin-1	3.7V	2	2.8V	3	6.4V	4	5.9V	5	5.9V	6	GND	7	GND	8	GND	9	0V
10	0V	11	4.8V	12	3.5V	13	6.4V	14	6.4V	15	2.8V	16	9V				

IC1401 (VIDEO SWITCH)																	
Pin-1	3.6V	2	9V	3	4.8V	4	3.1V	5	GND	6	3.5V	7	3.3V	8	0.7V	9	3.5V

IC201 (IF/VIDEO/CHROMA)																	
Pin-1	2.4V	2	2.3V	3	2.4V	4	3.9V	5	2.8V	6	2.8V	7	GND	8	5.0V	9	2.4V
10	1.6V	11	3.7V	12	3.4V	13	3.1V	14	1.6V	15	1.6V	16	1.6V	17	0V	18	8.2V
19	2.4V	20	2.4V	21	2.4V	22	2.0V	23	2.5V	24	2.6V	25	5.0V	26	2.6V	27	0.8V
28	1.0V	29	1.6V	30	0.9V	31	4.5V	32	8.2V	33	GND	34	2.4V	35	2.4V	36	3.1V
37	1.8V	38	2.8V	39	3.5V	40	2.5V	41	GND	42	2.8V	43	4.9V	44	2.5V	45	2.5V
46	2.4V	47	3.7V	48	4.2V	49	4.2V	50	2.4V	51	2.2V	52	1.9V	53	2.1V	54	3.1V

IC202			IC881					
Pin-1	7.5V	2	GND	3	5.0V			
			Pin-1	12.6V	2	GND	3	4.9V

IC281 (SECAM)																	
Pin-1	3.8V	2	4.0V	3	N.C.	4	6.0V	5	6.4V	6	5.1V	7	5.1V	8	4.0V	9	4.0V
10	GND	11	4.0V	12	1.1V	13	N.C.	14	4.0V	15	0V	16	0.2V	17	4.0V	18	N.C.
19	7.7V	20	0.2V														

IC3701 (AUDIO CONTROL / SURROUND)																	
Pin-1	4.2V	2	4.2V	3	4.2V	4	4.2V	5	4.4V	6	4.2V	7	4.2V	8	4.2V	9	4.2V
10	4.2V	11	0V	12	0V	13	4.9V	14	3.4V	15	GND	16	8.4V	17	4.1V	18	3.9V
19	3.9V	20	0.6V	21	4.2V	22	4.2V	23	4.2V	24	4.2V	25	0.5V	26	4.3V	27	4.2V
28	4.2V	29	4.2V	30	4.2V												

IC501 (VERT. OUT)													
Pin-1	2.5V	2	26.7V	3	1.4V	4	GND	5	11.3V	6	26V	7	2.5V

IC802 (MEMORY)															
Pin-1	GND	2	GND	3	GND	4	GND	5	4.9V	6	4.9V	7	GND	8	4.9V

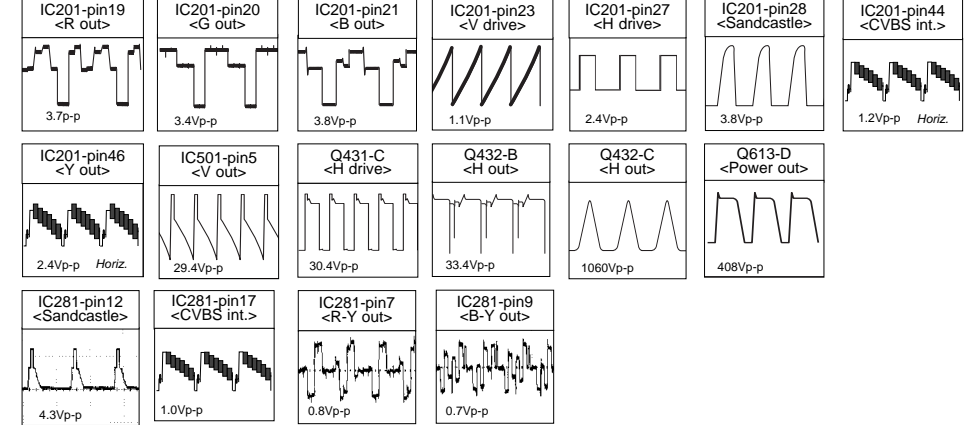
IC801 (CPU)																	
Pin-1	3.8V	2	3.3V	3	4.9V	4	4.9V	5	GND	6	2.6V	7	2.6V	8	4.9V	9	0V
10	1.6V	11	5V	12	0V	13	4.9V	14	3.4V	15	4.9V	16	0V	17	4.7V	18	4.0V
19	0V	20	0V	21	0V	22	0V	23	4.9V	24	0V	25	4.9V	26	0V	27	3.0V
28	4.8V	29	0V	30	3.7V	31	4.8V	32	4.9V	33	4.9V	34	0V	35	4.9V	36	4.9V

Q1003	Q1004	Q1005	Q1006	Q111	Q122	Q1401	Q1402	Q1501	Q1503	Q1504	Q190	Q1902
B 1.4V	B 3.5V	B 0.8V	B 3.3V	B 1.2V	B 0.6V	B 3.1V	B 4.3V	B 1.2V	B 0.6V	B 0V	B 2.2V	B 4.9V
C 0V	C 4.3V	C 6.1V	C 4.3V	C 5.5V	C 0V	C 0V	C 0V	C 9V	C 0V	C 0V	C 0V	C 1.0V
E 0.8V	E 2.8V	E 0.8V	E 2.7V	E 0.4V	E 0V	E 3.7V	E 4.8V	E 0.7V	E 0V	E 0V	E 2.8V	E 4.9V

Q261	Q431	Q432	Q461	Q462	Q527	Q540	Q611	Q612	Q613	Q625	Q641	Q642
B 2.8V	B 0V	B 1.1V	B 11.4V	B 0.45V	B 0.5V	B 0V	B 3V	B 3.5V	B 0V	B 0V	B 0V	B 0.6V
C 0V	C 3.6V	C 321V	C 12V	C 11.4V	C 2.9V	C 0.12V	C 29V	C 0V	D 16.3V	C 3.5V	C 0.3V	C 0V
E 3.5V	E 0V	E 1.6V	E 0V	E 0V	E 0V	E 30V	E 3.6V	E 3.6V	S 0V	E 0V	E 0V	E 0V

Q651	Q652	Q654	Q661	Q662	Q663	Q681	Q690	Q693	Q818	Q861	Q871	Q881
B 0V	B 26.1V	B 9.8V	B 6.9V	B 25.9V	B 0.6V	B 0.6V	B 0.6V	B 10.8V	B 0V	B 4.3V	B -8V	B -0.4V
C 9.8V	C 26.7V	C 9.9V	C 0V	C 0V	C 24V	C 0V	C 12.5V	C 25.2V	C 7.1V	C 2.9V	C 4.7V	C 4V
E 0V	E 26.8V	E 9.1V	E 6.3V	E 25.2V	E 0.5V	E 0V	E 0V	E 10.7V	E 0V	E 4.9V	E 0V	E 0V

Q882	Q886
B -0.4V	B 0V
C 4V	C 0.1V
E 0V	E 0.7V



(On the CRT Board)

IC701 (Triple Video Output Amp.)																	
Pin-1	2.0V	2	2.0V	3	2.0V	4	GND	5	2.0V	6	199.7V	7	129.5V	8	132.3	9	129.2

