

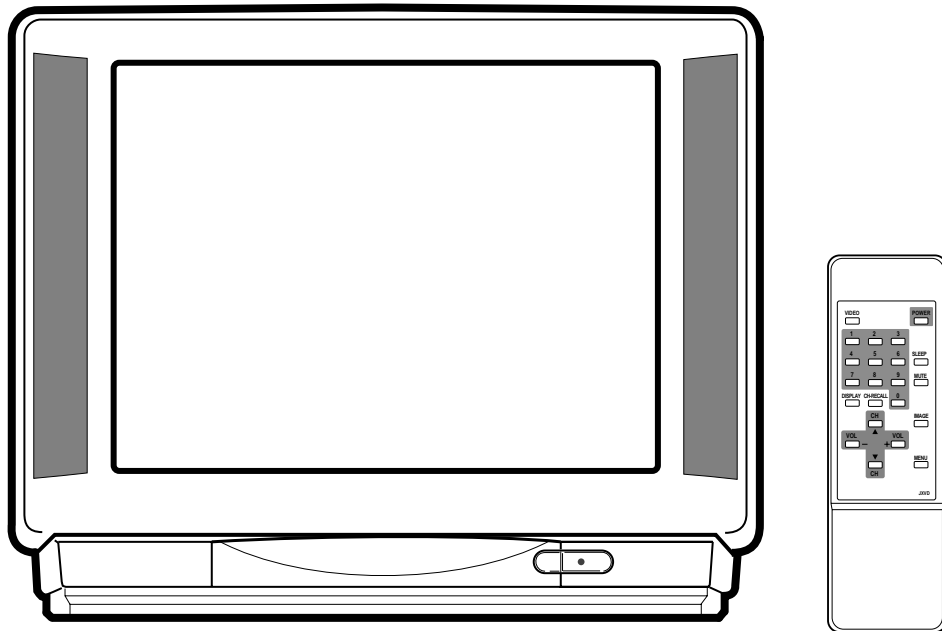
FILE NO.

# SERVICE MANUAL Colour Television

Model No. 29-F5BA

(Argentina)

Service Ref. No. 29-F5BA-00  
29-F5BA-01



## Specifications

Power Source . . . . . AC220V, 50Hz / 60Hz  
Receiving System . . . . . PAL (N/N, M/M), NTSC (M/M)  
Channel Coverage

Antenna mode VHF: 02-13, UHF: 14-69  
CATV mode VHF band: 01-13, Mid band: 14-22  
Super band: 23-36, Hyper band: 37-94  
Ultra band: 100-125  
Low mid band: 01 and 95-99

Video IF . . . . . 45.75MHz

Sound IF . . . . . 41.25MHz

Aerial Input Impedance . . 75 $\Omega$

### Ext. Terminals

Video inputs: Phono jack X 2 (1Vp - p, 75 $\Omega$ )  
S-Video terminal (DIN 4 pin, separate Y/C signal input) X 1  
Audio inputs: Phono jack (R/L) X 2 (436mVrms, more than 40K $\Omega$ )  
Video monitor outputs: Phono jack X 1 (1Vp - p, 75 $\Omega$ )  
Audio monitor outputs: Phono jack (R/L) X 1 (436mVrms, less than 600 $\Omega$ )  
Variable Audio Output: Phono jack (R/L) X 1 (less than 1 K $\Omega$ )

Sound Output (RMS) . . . 5W + 5W

Dimensions . . . . . 768(W) X 617.5(H) X 487(D)mm

Weight . . . . . approx. 35.7Kg

Product Code: 1 113 338 00

Original Version

Chassis Series: LB1-A

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.

*Specifications subject to change without notice.*

# Contents

---

Safety Notice .....	2
Chassis Block Diagram .....	3-4
IC Block Diagrams .....	5-8
Service Adjustments .....	9-10
Service Information .....	10
Adjustment in the Service Mode .....	11-14
Mechanical Disassemblies .....	15
Cabinet Parts List .....	16
Chassis Electrical Parts List .....	17-26

# 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.

2: Comply with all caution and safety-related notes provided on the cabinet back, inside the cabinet, on the chassis or the picture tube.
- 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.

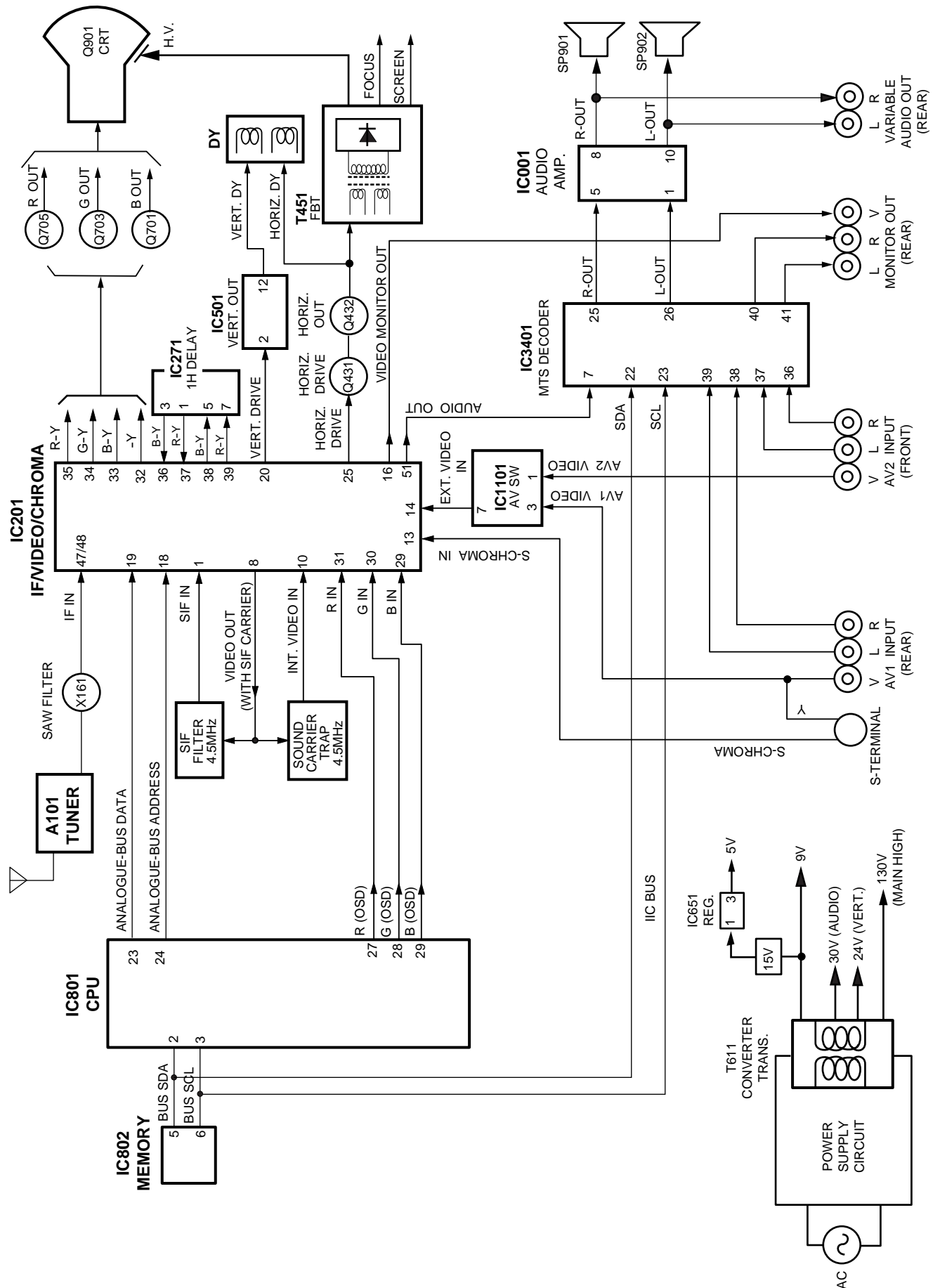
## X-RADIATION PRECAUTION

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.

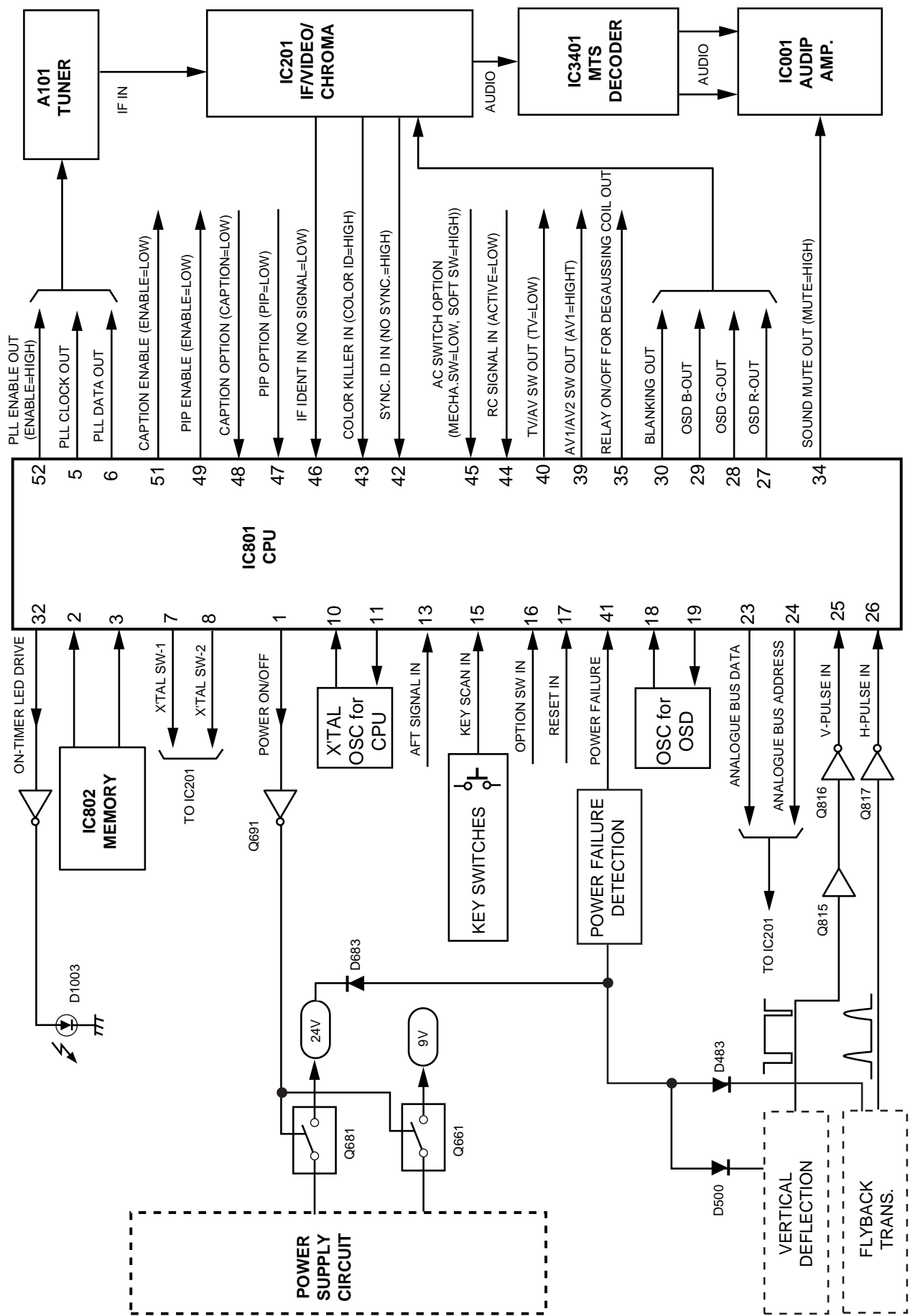
## PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by mark ⚠ 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 ⚠. No deviations from resistance wattage or voltage ratings may be made for replacement items designated by mark ⚠.

# Chassis Block Diagrams (Main Signal Processing Circuit)

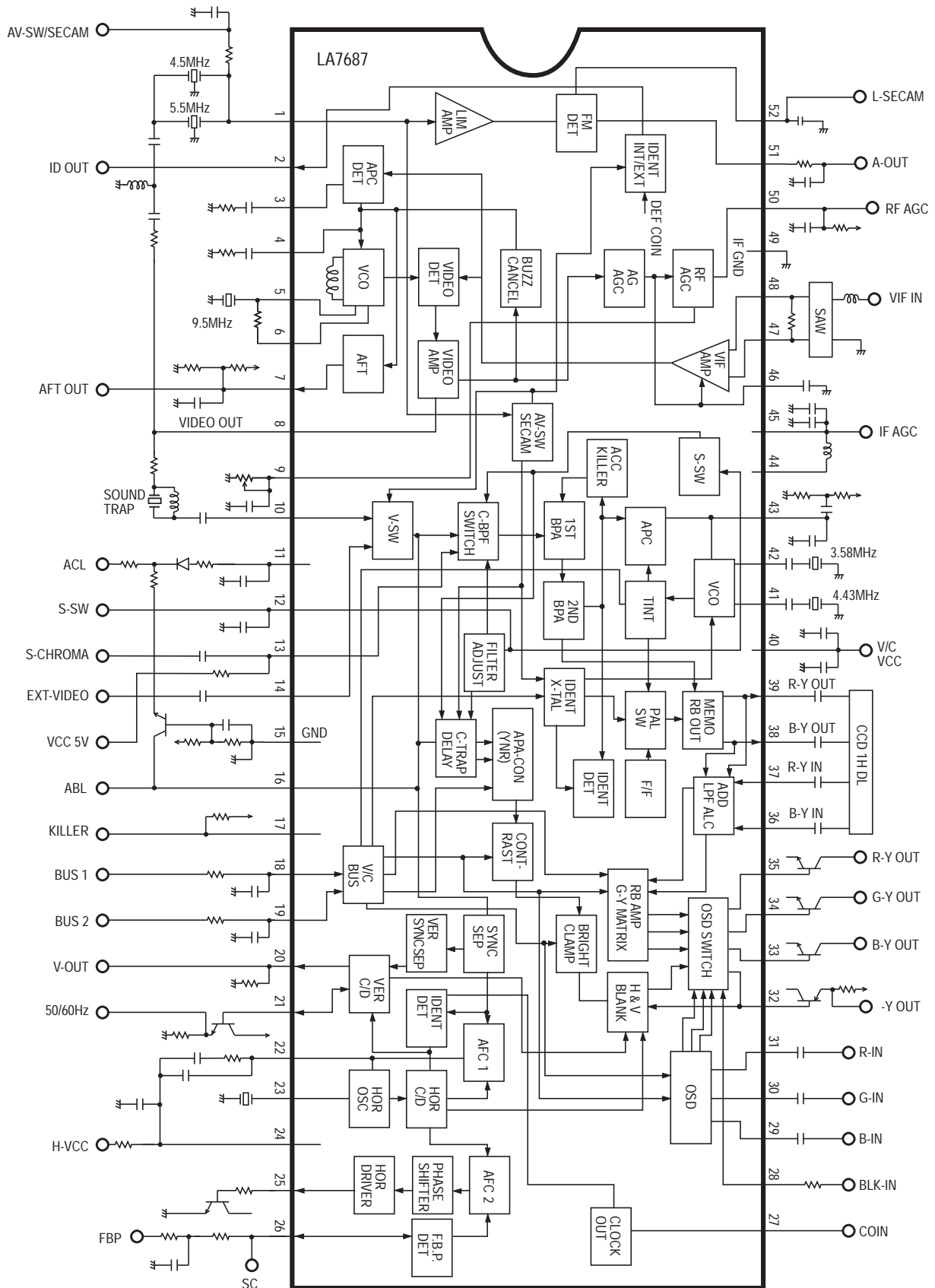


# Chassis Block Diagrams (System Control)



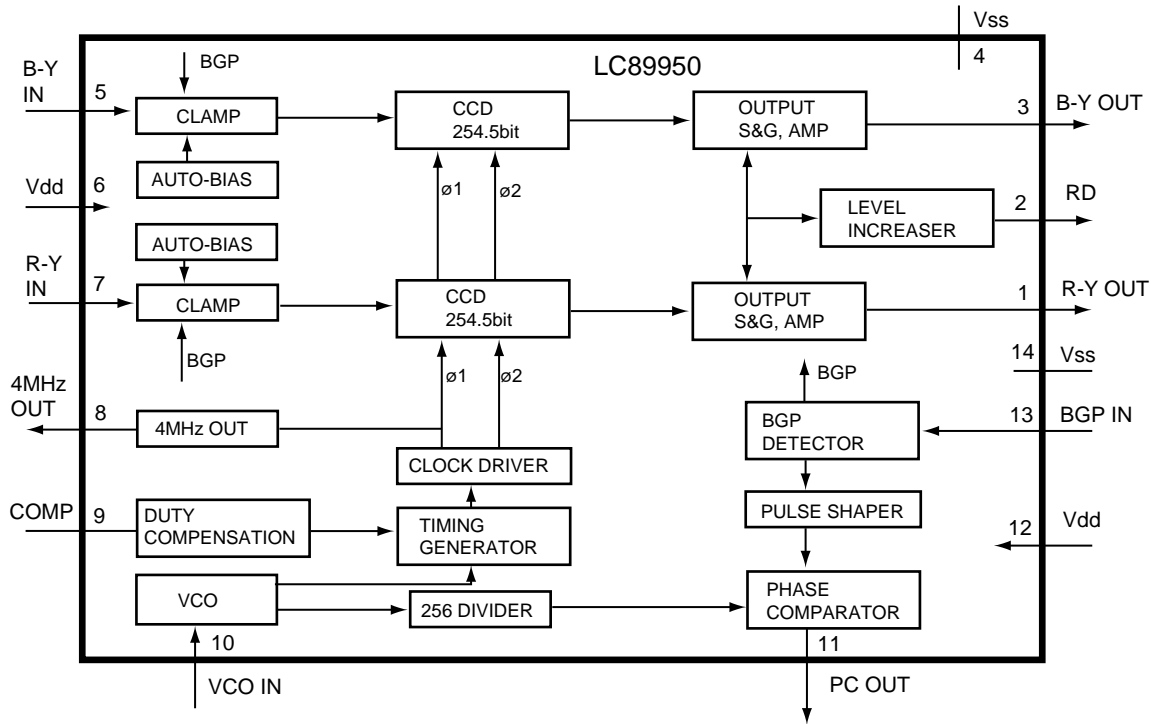
# IC Block Diagrams

LA7687N < IF/Video/chroma/Def. > IC201

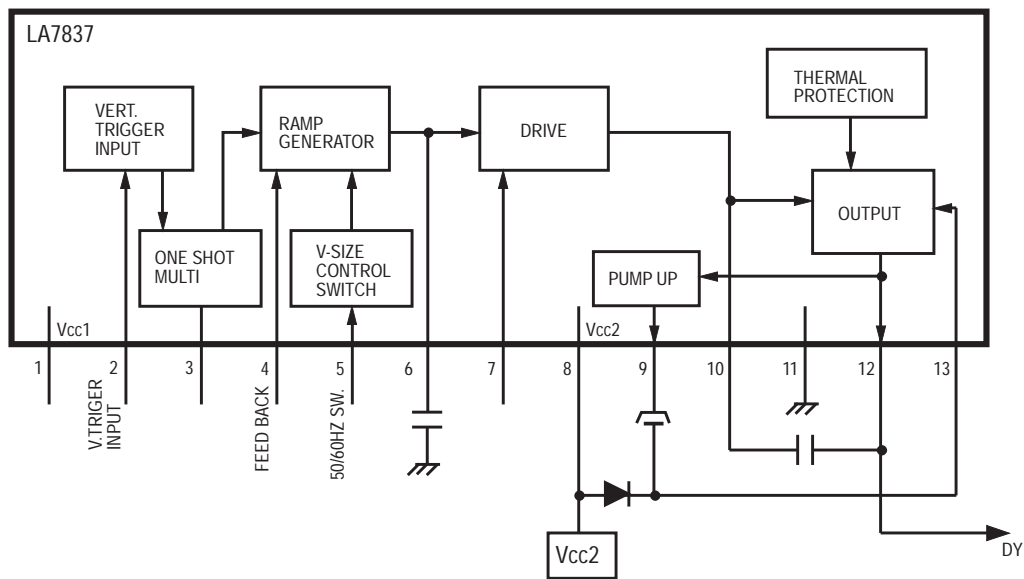


# IC Block Diagrams

LC89950 < IH DL > IC271

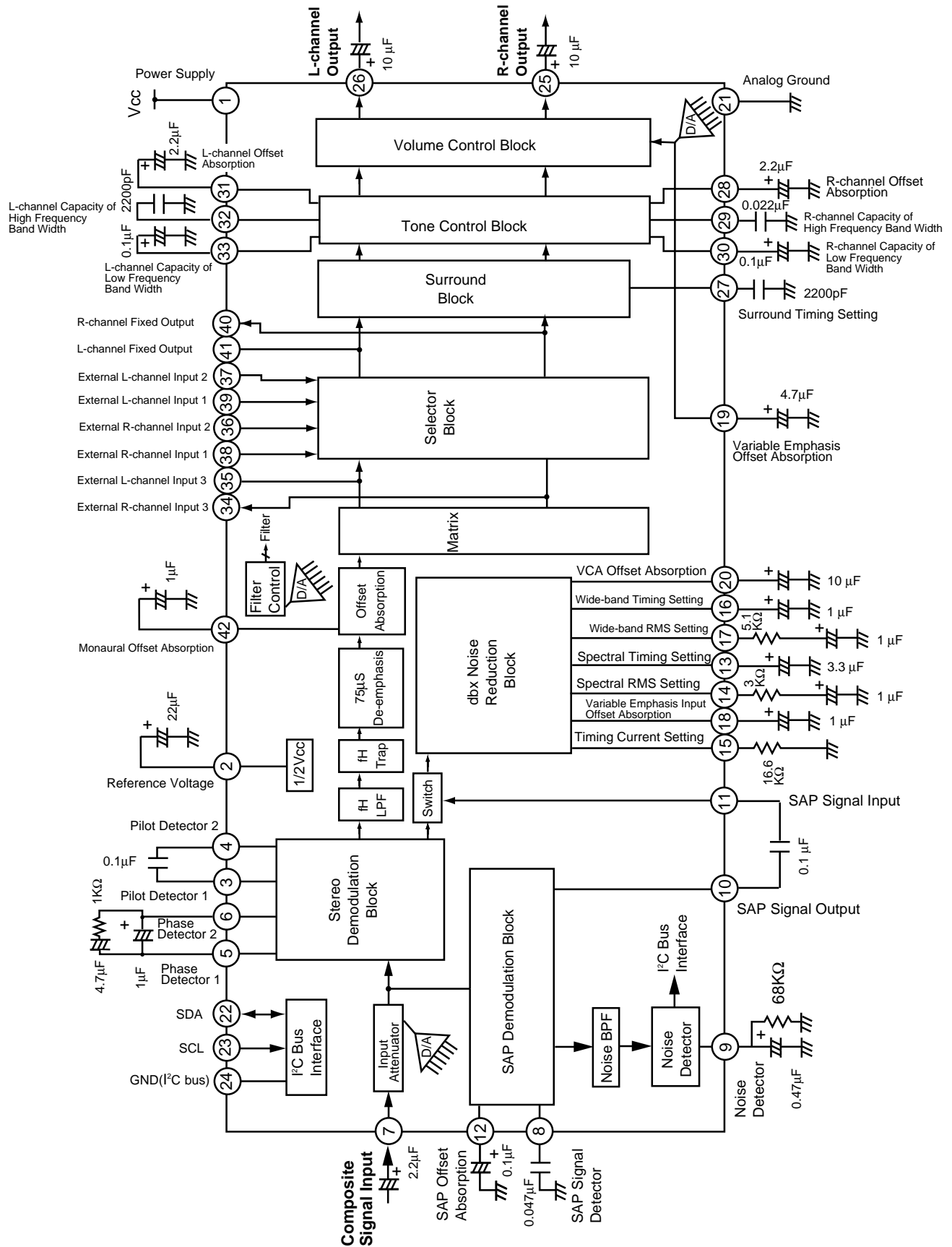


LA7838 < V-OUTPUT > IC501



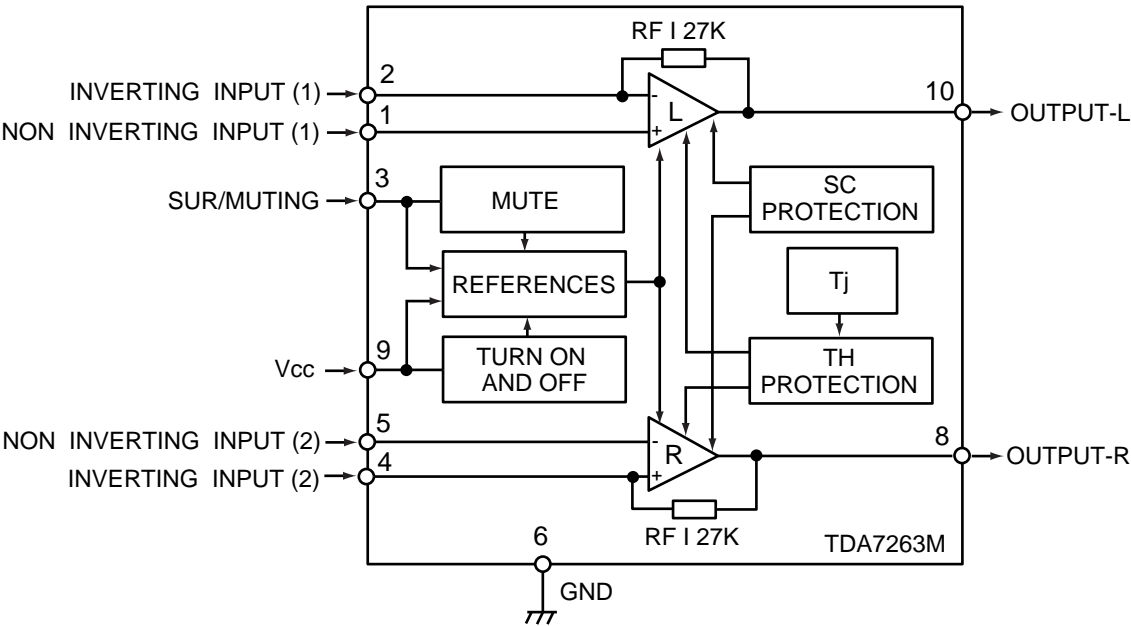
# IC Block Diagrams

UPC1851< MTS> IC3401

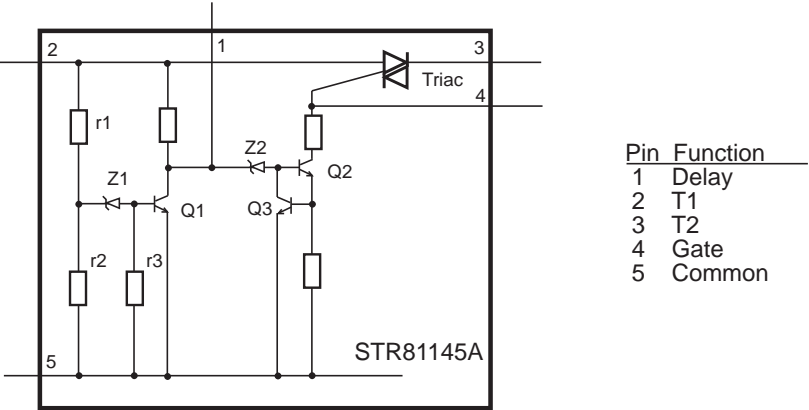


# IC Block Diagrams

TDA7263M < AUDIO AMP. > IC001




STR81145A < Double Rectifier > IC631



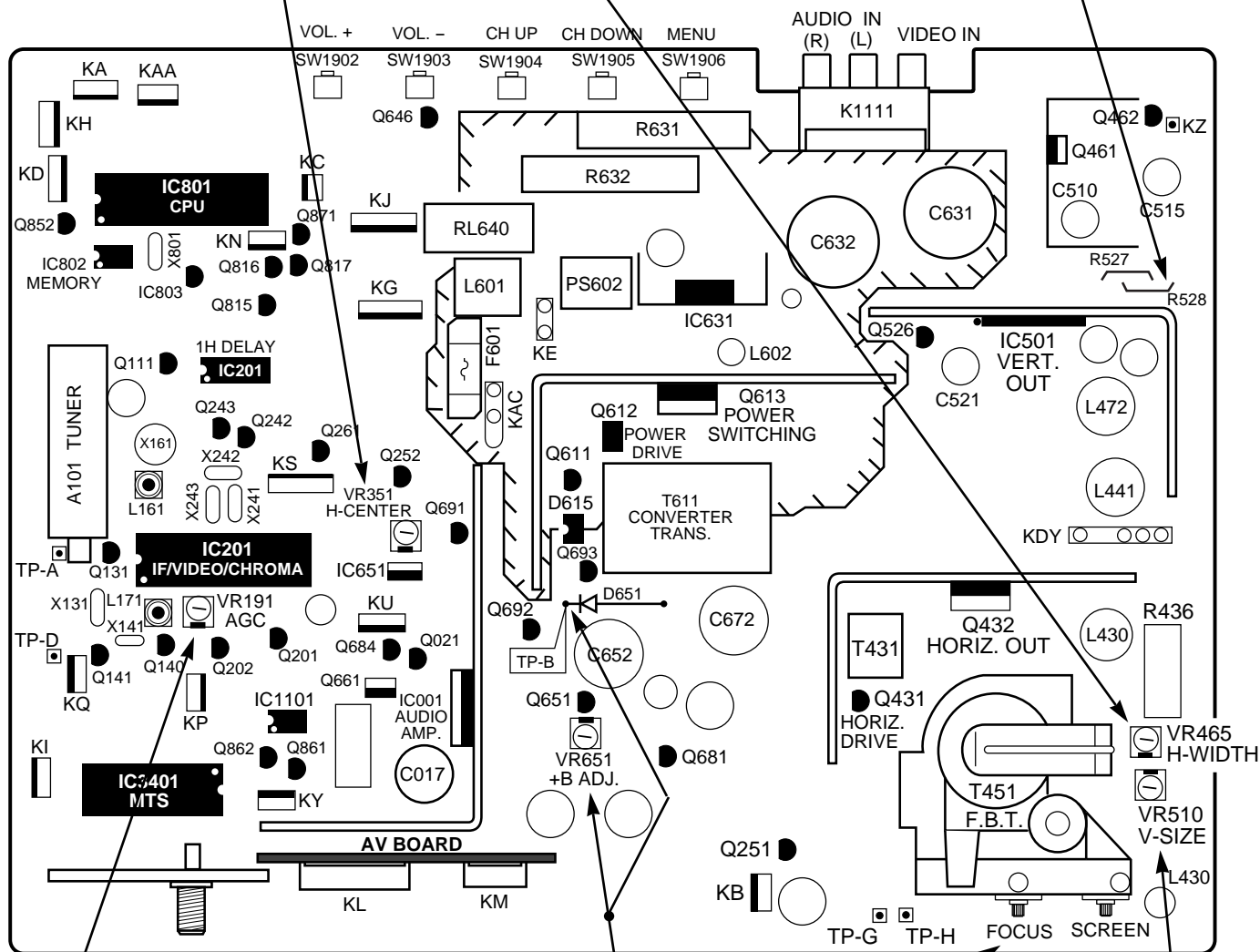
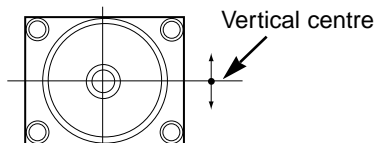


## Horizontal Centring Adjustment

- Horizontal Centre**
- 
- Horizontal**
1. Receive circular
  2. Adjust

1. Receive the mono-chrome circular pattern.
2. Adjust V465 for optimum horizontal width.

1. Tune the receiver to an active channel. Check that the picture is in the centre of TV screen.
2. If the picture is too low, change a resistor R528 from 1K $\Omega$ , 1/2W to 470 $\Omega$ , 1W. If the picture is too high, delete a resistor R528 (1K $\Omega$ , 1/2W).



1. Tune the receiver to most clearest (or strongest) VHF station in your area.
2. Set the brightness and contrast control to maximum. Set the colour control to minimum.
3. Turn AGC control (VR191) in the direction which causes snow to appear, then in the opposite direction until the snow just disappears.

1. Connect DC volt-meter to "TP-B" and the ground. Set the +B adjustment control (VR651) to mid-range. (Mains voltage  $AC220 \pm 2$  volt)
2. Set brightness and contrast to minimum. Tune the receiver to an active channel and synchronized picture.
3. Adjust +B adjustment control (VR651) for  $130 \pm 1.0$  volt DC.

Adjust focus control for well defined scanning lines.

1. Tune the receiver to the mono-chrome circular pattern.
2. Adjust vertical size control (VR510) for full scan.

# Service Adjustments

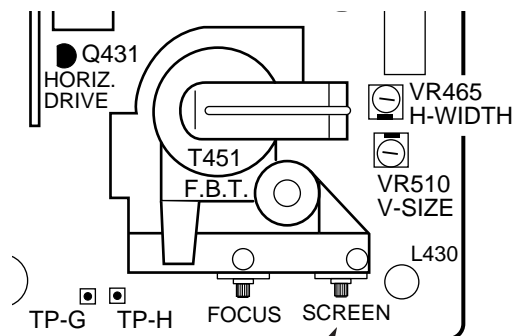
## Gray Scale Adjustment

1. Receive the mono-chrome circular pattern.
2. Set the picture mode to "NORMAL" mode by pressing the IMAGE button on the remote control.

NORMAL

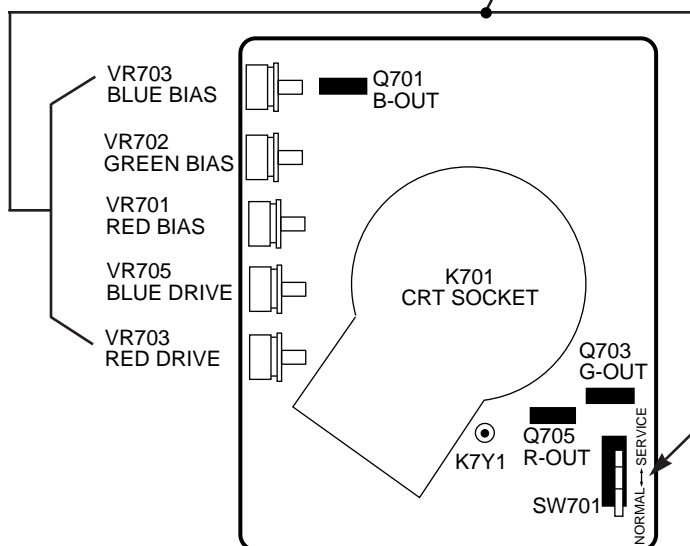
3. Set the service switch (SW701) on the CRT board to "SERVICE" position.
4. Set RED (VR704) and BLUE (VR705) drive controls to mid position. Set BLUE (VR703), GREEN (VR702) and RED (VR701) bias controls to minimum (fully counterclockwise).
5. Turn the SCREEN control on the F. B. T. to obtain just visible one coloured line.
6. Adjust each bias control alternately until a dim white line produced.
7. Set the service switch (SW701) to "NORMAL" position.
8. Adjust RED and BLUE drive controls alternately to produce normal black and white picture in highlight areas.
9. Check for proper gray scale at all brightness levels.

Note: If the gray scale adjustments is made after picture tube replacement, check the brightness level adjustment.



Gray Scale Adjustment

(MAIN BOARD)



(CRT BOARD)

## 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 41 of the CPU to go continually Low (less than 0.75V) for about one second. The CPU detects that this has occurred and outputs the signal from pin 1 to switch off the power oscillation circuit.

### ■ 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.

# Adjustments in the Service Mode

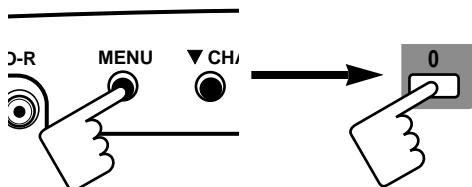
Since some chassis circuit adjustments are controlled by the CPU built into the chassis, adjustments can be made by inputting data directly via the remote control handset supplied with set.

## [Memory IC replacement]

Since adjustment data for the circuit is stored in the memory IC (IC802) that comes with the CPU, the initializing of the memory IC and re-inputting of the adjustments data must be made when the memory IC is replaced.

## ■ Initializing of the Memory IC

1. Replace IC 802.
2. Switch the TV on.
3. Press and hold the MENU button on the TV set, then press "0" button on the remote control transmitter.



Initial Data is as follows;

[MTS Adjustment Data]

Adjustment Item	Initial Data
INPUT LEVEL	25
STEREO VCO	23
FILTER	32
LOW SEPARATION	29
HI SEPARATION	26
SAP VCO	27

[3 Steps Picture Mode Normalization Data]

	STRONG	NORMAL	SOFT
COLOR	34	30	22
CONTRAST	63	63	63
BRIGHTNESS	15	32	40

## ■ Service mode adjustments

To enter to the service mode, press and hold the MENU button, then press the NUMERIC button (1, 2, 3 or 4). Each service modes are as follows;

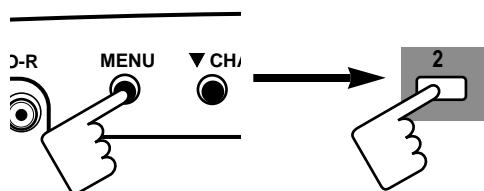
TV set	Remote control button	Item
MENU button	Digit "1"	3 steps picture mode normalization
	Digit "2"	Sub-Brightness/Sharpness Adjustment
	Digit "3"	Stereo Adjustment
	Digit "4"	Fine Tuning mode

**When the memory IC is replaced, Sub-Brightness and MTS adjustments should be-adjustments according to service mode adjustments described below.**

### Sub-Brightness Adjustment

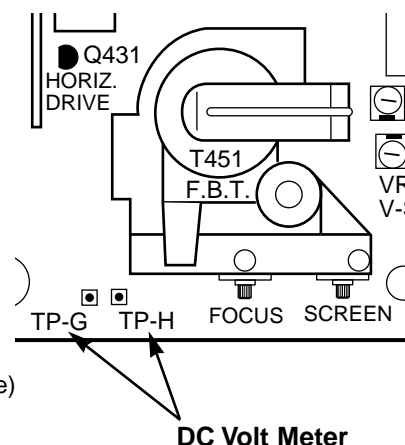
NOTE: AGC and Gray Scale must be adjusted before attempting the Brightness Level Adjustment.

1. Receiver the mono-chrome circular pattern.
2. Connect the DC voltmeter "+" lead to TP-H and "-" lead to TP-G on the main board.
3. Press and hold the MENU button on the TV set, then press "2" button on the remote control transmitter to enter the Service Mode.



SUB-BRIGHT	32
SUB-SHARPNESS	31
ADJUST: -/+	
CHOOSE: ▲▼	EXIT:MENU

(Service Mode)

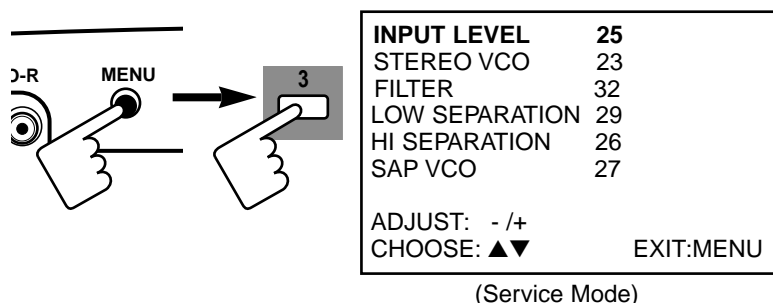


4. Adjust the voltage to become DC 750mV  $\pm$  20mV by pressing the VOLUME (+/-) button on the remote control or TV set.
  5. Press the MENU button to return to the normal TV mode.
- Note: Check the brightness level in every active channels, readjust if necessary.

# Adjustment in the Service Mode

## Sound Input Level Adjustment

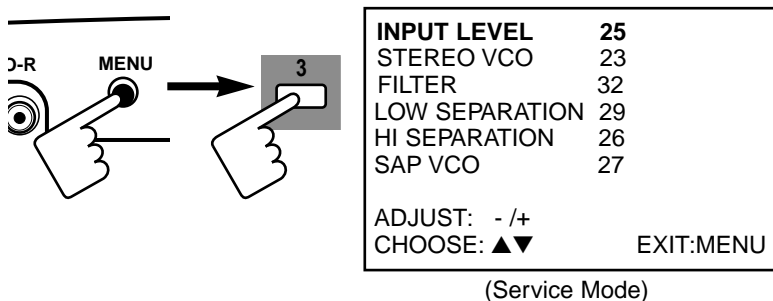
1. Connect a signal generator to TP301 (C3407, - side) on the Main Board and ground. Signal output=300Hz, 150mVrms.
2. Connect a DC Volt-Meter to TP-317 (C3437, + side) and ground.
3. Ground TP-20 (base of Q131) with the jumper lead. (Setting of the no signal condition).
4. Switch the TV set on.  
Press and hold the MENU button on the TV set, then press "3" button on the remote control transmitter to enter the Service Mode.



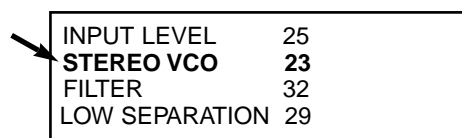
5. Adjust voltage to become DC 500mVrms±10mVrms by pressing the VOLUME(+/-) button on the remote control or TV set.
6. To exit from the service mode, press the MENU button.

## Stereo VCO Adjustment

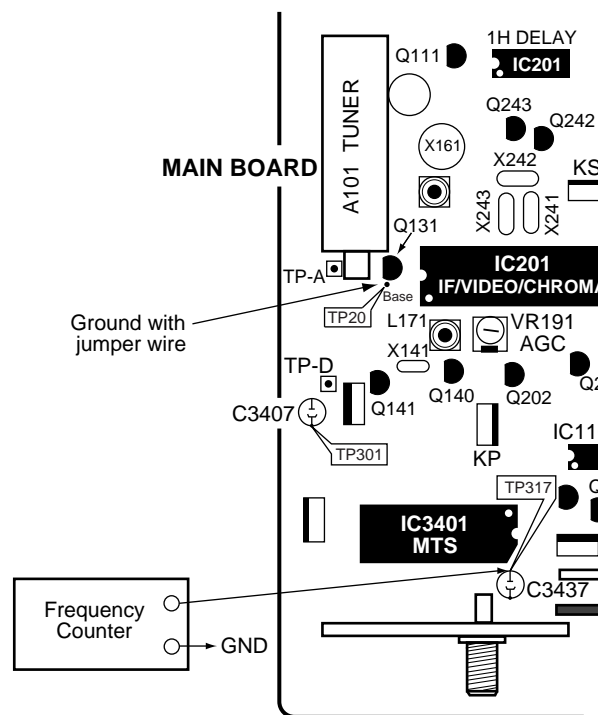
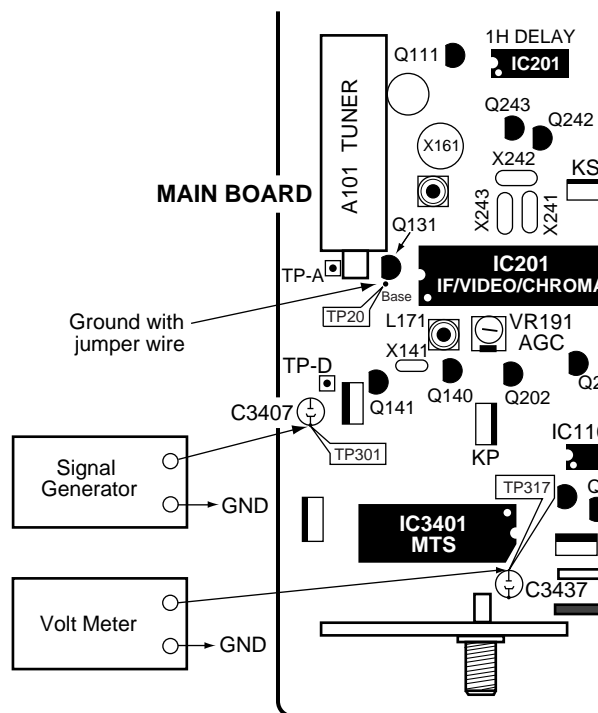
1. Connect a frequency counter to TP317 (C3437, + side) and ground.
2. Ground C161 with the jumper lead.
3. Switch the TV set.  
Press and hold the MENU button on the TV set, then press "3" button on the remote control transmitter to enter the Service Mode.



4. Select "STEREO VCO" by pressing the CHANNEL UP/DOWN button on the remote control or TV set.



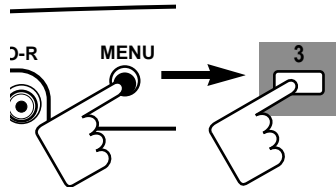
5. Adjust the frequency to become 15.625KHz ± 0.1KHz by pressing the VOLUME (+/-) button on the remote control or TV set.
6. To exit from the service mode, press the MENU button.



# Adjustment in the Service Mode

## MTS Filter Adjustment

1. Connect a signal generator to TP301 (C3407, - side) on the Main Board and ground. Signal output=15.734KHz, 100mVrms.
2. Connect an Audio Volt-Meter to TP317 (C3437, + side) and ground.
3. Ground TP-20 (base of Q131) with the jumper lead. (Setting of the no signal condition.)
4. Switch the TV set on.  
Press and hold the MENU button on the TV set, then press "3" button on the remote control transmitter to enter the Service Mode.



INPUT LEVEL	25
STEREO VCO	23
FILTER	32
LOW SEPARATION	29
HI SEPARATION	26
SAP VCO	27
ADJUST: -/+	
CHOOSE: ▲▼	EXIT:MENU

(Service Mode)

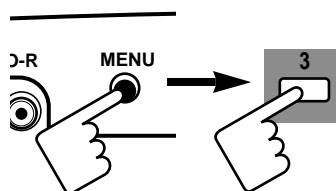
5. Select "FILTER" by pressing the CHANNEL UP/DOWN button on the remote control or TV set.

INPUT LEVEL	25
STEREO VCO	23
<b>FILTER</b>	<b>32</b>
LOW SEPARATION	29
HI SEPARATION	26
SAP VCO	27

6. Adjust voltage to become minimum reading by pressing the VOLUME(+ -) button on the remote control or TV set.
7. To exit from the service mode, press the MENU button.

## Stereo Separation Adjustment

1. Connect an oscilloscope:
  - Probe-A to TP317 (C3437, + side) on the Main Board.
  - Probe-B to TP318 (C3438, + side) on the Main Board.
2. Switch the TV set on, and receive the multi sound program.
3. Press and hold the MENU button on the TV set, then press "3" button on the remote control transmitter to enter the Service Mode.

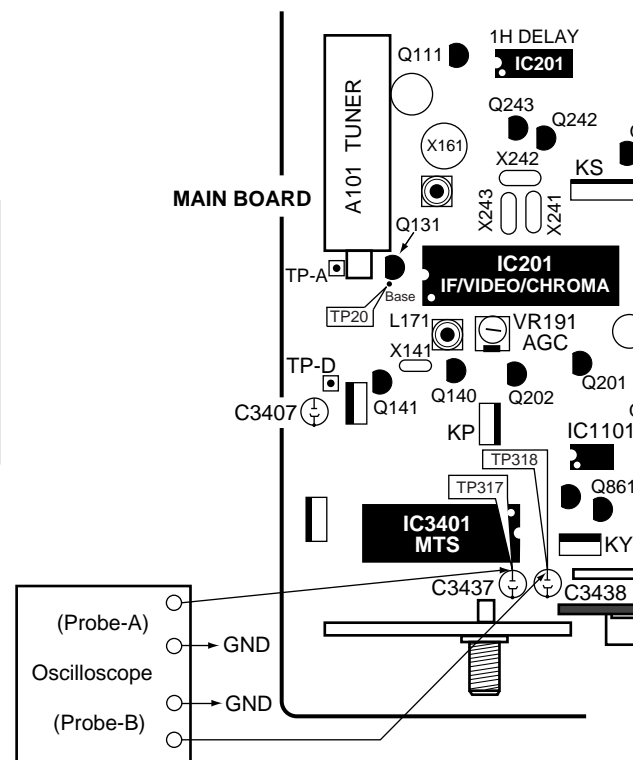
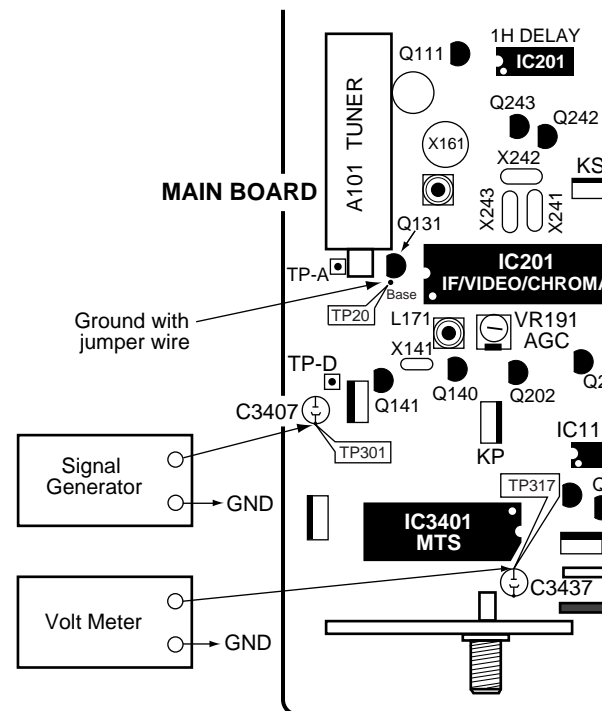


INPUT LEVEL	25
STEREO VCO	23
FILTER	32
LOW SEPARATION	29
HI SEPARATION	26
SAP VCO	27
ADJUST: -/+	
CHOOSE: ▲▼	EXIT:MENU

(Service Mode)

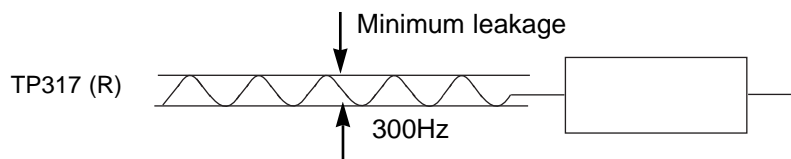
4. Select "LOW SEPARATION" by pressing the CHANNEL UP/DOWN button on the remote control or TV set.

INPUT LEVEL	25
STEREO VCO	23
FILTER	32
<b>LOW SEPARATION</b>	<b>29</b>
HI SEPARATION	26
SAP VCO	27



# Adjustment in the Service Mode

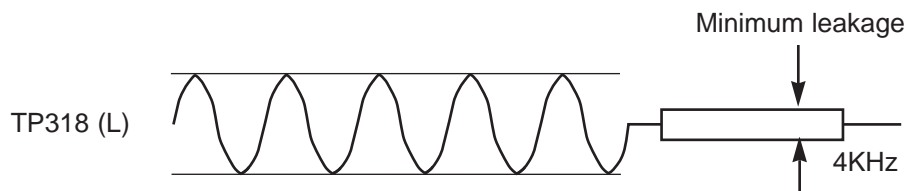
- Adjust level of 300Hz at TP317 to become minimum by pressing the VOLUME(+ / -) button on the remote control or TV set.



- Select "HI SEPARATION" by pressing the CHANNEL UP/DOWN button on the remote control or TV set.

INPUT LEVEL	25
STEREO VCO	23
FILTER	32
LOW SEPARATION	29
<b>HI SEPARATION</b>	<b>26</b>
SAP VCO	27

- Adjust level of 4KHz at TP318 to become minimum by pressing the VOLUME (+/-) button on the remote control or TV set.

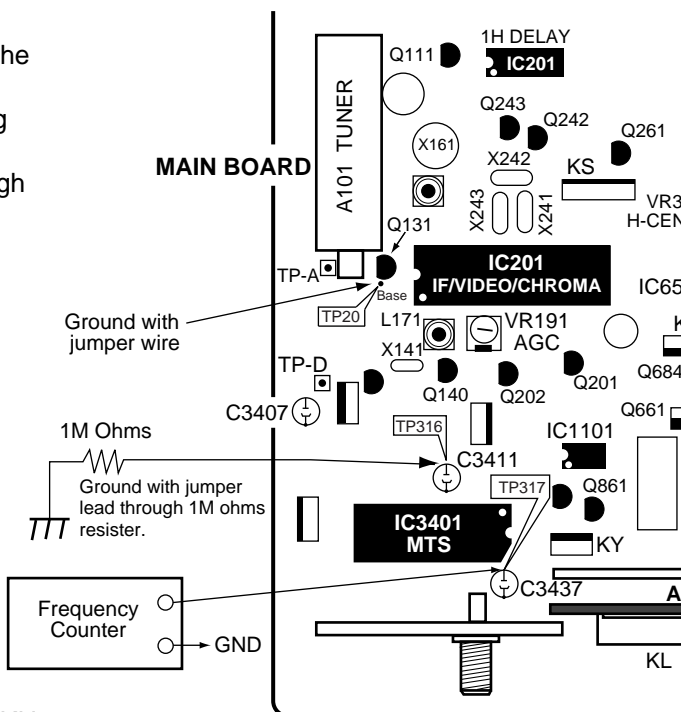


- To exit from the service mode, press the MENU button.

## SAP VCO Adjustment

- Connect a frequency counter to TP317 (C3437, + side) on the Main Board and ground.
- Ground TP-20 (Base of Q131) with the jumper lead. (Setting of no signal condition.)
- Ground TP-316 (C3411, side +) with the jumper lead through 1M  $\Omega$  resistor.
- Switch the TV set on.
- Press and hold the MENU button on the TV set, then press "3" button on the remote control transmitter to enter to the Service Mode.
- Select "SAP VCO" by pressing the CHANNEL UP/DOWN button on the remote control or TV set.

INPUT LEVEL	25
STEREO VCO	23
FILTER	32
LOW SEPARATION	29
HI SEPARATION	26
<b>SAP VCO</b>	<b>27</b>



- Adjust frequency of the counter to become 78.125KHz  $\pm$ 0.5KHz by pressing the VOLUME (+/-) button on the remote control or TV set.

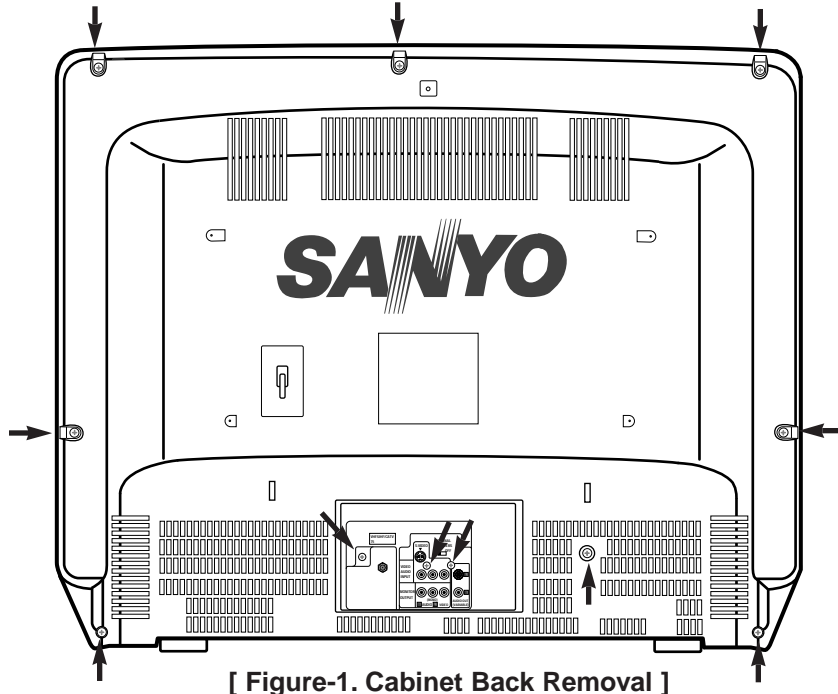
- To exit from the service mode, press the MENU button.



# Mechanical Disassemblies

## CABINET BACK REMOVAL

1. Refer to Figure-1, remove 11 screws.
2. Pull the cabinet back off and remove the cabinet back.



## CHASSIS REMOVAL

1. Remove the cabinet back.
2. Unplug degaussing coil socket (KE), anode lead, speaker socket (K12SP), deflection yoke (KDY), picture tube board and picture tube ground leads.
3. Remove the chassis completely by sliding straight back.

## PICTURE TUBE REMOVAL

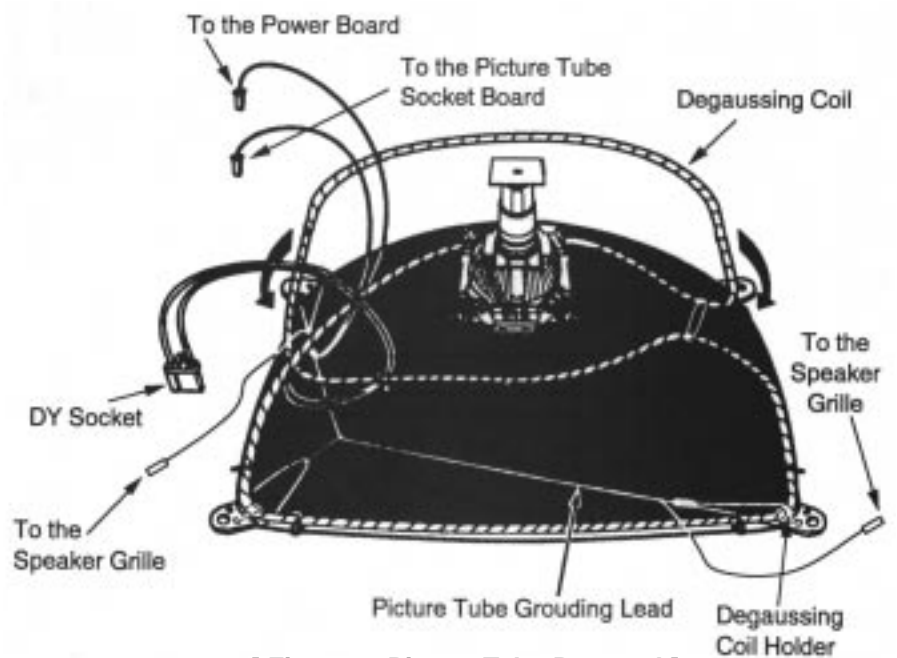
**CAUTION:** Do not disturb the deflection yoke or magnet assembly on the picture tube neck. Care must be taken to keep these assemblies intact, unless picture tube is being replaced. Discharge the picture tube's coating before handling the tube.

1. Remove the chassis.
2. Place the cabinet's front down on a soft surface.
3. Remove the screw on the earth corner of the picture tube and gently remove the picture tube from the cabinet.
4. Install a replacement picture tube in reverse order. Referring to Figure-2, properly install the degaussing coil and the picture grounding lead on the picture tube.

Note: If the picture tube is replaced mount the degaussing coil properly on the tube. See illustration.

### Purity and Convergence Adjustment

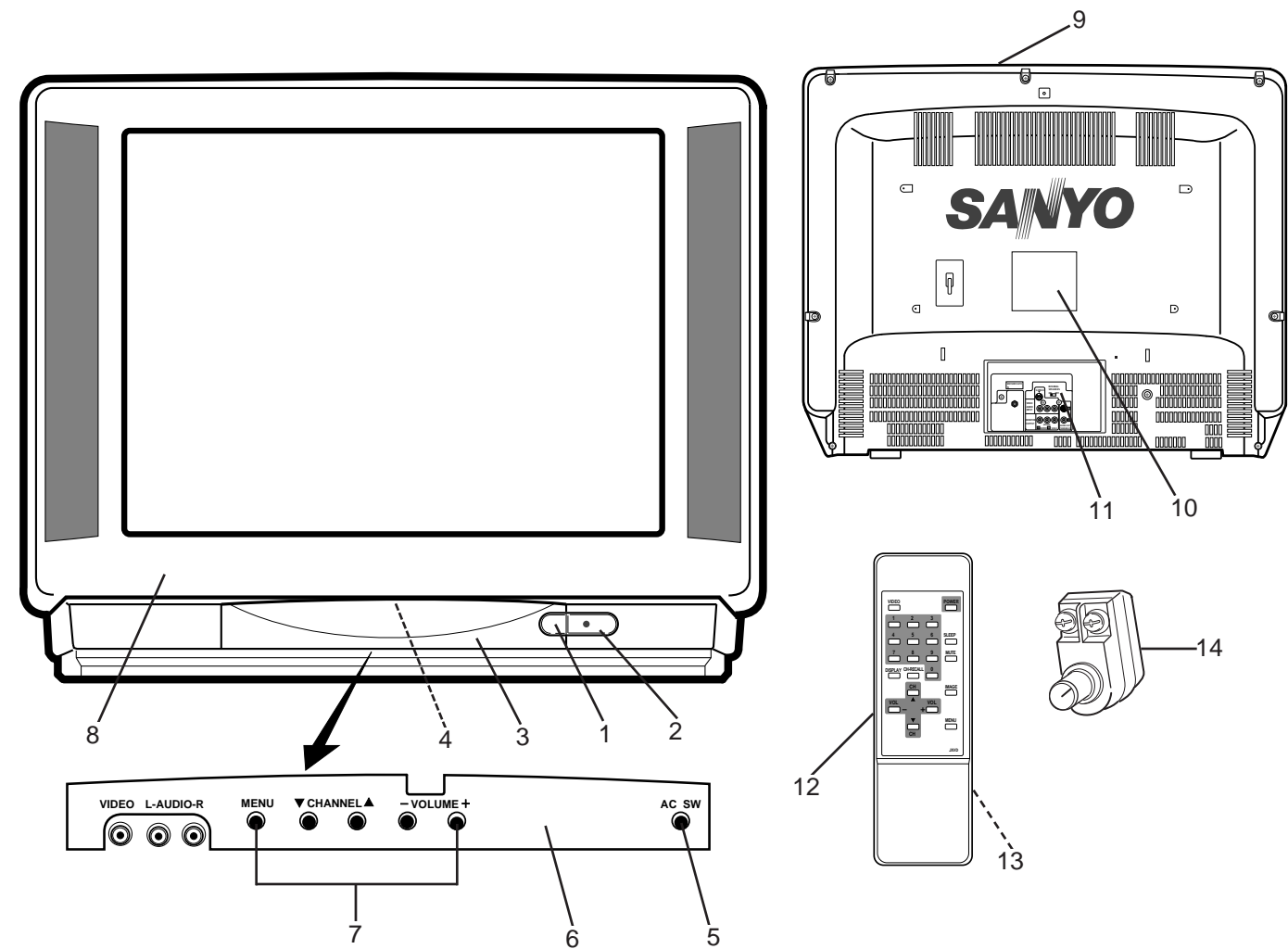
Purity and Convergence have been aligned at factory no realignment is necessary.



Cabinet Parts List

F5BA/F5BAS

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



Key No.	Part No.	Description	Key No.	Part No.	Description
1	610 266 5895	BUTTON POWER	12	645 027 5197	ASSY, REMOCON JXVD
	610 210 7302	COIL SPRING	13	610 271 3121	RC-BATTERY LID
2	610 266 5918	DEC INLAY	14	645 004 5493	ANT MATCHING BOX
3	610 289 6329	DOOR			
4	610 104 2505	LATCH PUSH		610 289 6404	INSTRUCTIONS MANUAL
5	610 103 8027	DUBBING BUTTON			
6	610 274 2701	DEC CONTROL SHEET			
7	610 266 5901	BUTTON UNITED			
8	610 266 1248	CABINET FRONT			
9	610 274 1889	CABINET BACK			
10	610 289 6527	LABEL RATING			
		(Service Ref. No. 29-F5BA-00)			
	610 289 6534	LABEL RATING			
		(Service Ref. No. 29-F5BA-01)			
11	610 274 2718	DEC REAR SHEET			



Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a  $\Delta$  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
<div>NOTES:</div> <div>Read description in the Capacitor and Resistor as follows:</div> <div>CAPACITOR</div> <div>CERAMIC 100P K 50V</div> <div><div></div><div>Rated Voltage</div><div>Tolerance Symbols: Less than 10pF A : Not specified B : ±0.1pF C : ±0.25pF D : ±0.5pF F : ±1PF G : ±2pF R : ±0.25-0pF S : ±0-0.25pF E : +0-1pF More than 10pF A : Not specified B : ±0.1% C : ±0.25% D : ±0.5% F : ±1% G : ±2% H : ±3% J : ±5% K : ±10% L : ±15% M : ±20% N : ±30% P : +100-0% Q : +30-10% T : +50-10% U : +75-10% V : +20-10% W : +100-10% X : +40-20% Y : +150-10% Z : +80-20%</div><div>Rated value: P=pico farad, U=micro farad</div></div> <div>Material:</div> <div>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</div>			<div>OUT OF CIRCUIT BOARD</div> <div>PICTURE TUBE</div> <div>△ Q900 414 008 5309 CRT A68AGA25X401</div> <div>COIL</div> <div>△ L901 610 226 8058 DEGAUSSING COIL 610 228 2801 DEGAUSSING COIL 610 229 4200 DEGAUSSING COIL</div> <div>MISCELLANEOUS</div> <div>SP901 610 236 5016 SPEAKER SP902 610 236 5016 SPEAKER WFO 610 246 9936 CORD, FOCUS WSC 610 247 0048 CORD, SCREEN W900 610 265 8910 ASSY, WIRE GND CONNECTOR F △ W901 645 005 2019 CORD, POWER-2.4MK W903 610 253 4610 ASSY WIRE, DY CONECTOR G3B 610 276 7346 ASSY WIRE, DY CONECTOR E7B 610 232 9803 (USA) CORD</div> <div>610 265 3274 ASSY, PWB, AV E7BA 1AA0B10E338A0</div> <div>RESISTOR</div> <div>R1202 401 027 6608 CARBON 75 JA 1/6W R1207 401 024 7707 CARBON 100K JA 1/6W R1208 401 027 5007 CARBON 68 JA 1/6W R1209 401 024 7707 CARBON 100K JA 1/6W R1211 401 024 7707 CARBON 100K JA 1/6W R1212 401 027 2303 CARBON 560 JA 1/6W R1213 401 027 2303 CARBON 560 JA 1/6W R1214 401 026 4308 CARBON 3.3K JA 1/6W R1215 401 026 4308 CARBON 3.3K JA 1/6W R1216 401 027 5205 CARBON 680 JA 1/6W R1217 401 027 5205 CARBON 680 JA 1/6W</div> <div>DIODE</div> <div>D1201 407 099 6201 ZENER DIODE MTZJ10C 407 054 0107 ZENER DIODE RD10EB3</div> <div>MISCELLANEOUS</div> <div>A1201 610 266 6311 TERMINAL BASE-F5BD 610 231 4670 JACK BASE-G3HCM 610 275 6081 JACK BASE-G3HCM-A K1201 610 010 8295 SOCKET, DIN 4P K1202 610 010 3689 JACK, RCA K1203 610 010 3665 JACK, RCA K1204 610 010 3672 JACK, RCA K1205 610 010 3689 JACK, RCA K1206 610 010 3665 JACK, RCA K1207 610 010 3603 RCA JACK 1P K1208 610 010 3665 JACK, RCA K1209 610 010 3672 JACK, RCA SW1201 645 022 0326 SLIDE SWITCH 2P-2T</div>		
<div>RESISTOR</div> <div>CARBON 4.7K J A 1/4W</div> <div><div></div><div>Rated Wattage</div><div>Performance Symbols: A: General B: Non flammable Z: Low noise Other: Temperature coefficient</div><div>Tolerance Symbols: A: ±0.05% B: ±0.1% C: ±0.25% D: ±0.5% F: ±1% G: ±2% J: ±5% K: ±10% M: ±20% P: +5-15%</div><div>Rated value, ohms: K: 1,000, M: 1,000,000</div></div> <div>Material:</div> <div>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</div>					

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
<b>610 265 3304 ASSY,PWB, SOCKET E7BB 1AA0B10E34800</b>			<b>610 266 2115 ASSY,PWB, AC SW E7BB 1AA0B10E36800</b>		
<b>TRANSISTOR</b>			<b>MISCELLANEOUS</b>		
Q701	406 000 3605	TR 2SC3620(LB-SAN-1)	△ F1401	423 024 8409	FUSE 250V 4A
	405 014 8408	TR 2SC2568(1)-K		423 007 2103	FUSE 250V 4A
	405 014 8507	TR 2SC2568(1)-L	F1401A	645 000 5077	HOLDER, FUSE
	405 014 8606	TR 2SC2568(1)-M	F1401B	645 000 5077	HOLDER, FUSE
	405 066 4304	TR 2SC2621-C-RA	△ SW1401	645 003 6811	SWITCH, PUSH POWER 2P-2T
	405 041 6507	TR 2SC2621-D-RA			
	405 041 6705	TR 2SC2621-E-RA			
Q703	406 000 3605	TR 2SC3620(LB-SAN-1)			
	405 014 8408	TR 2SC2568(1)-K			
	405 014 8507	TR 2SC2568(1)-L			
	405 014 8606	TR 2SC2568(1)-M			
	405 066 4304	TR 2SC2621-C-RA			
	405 041 6507	TR 2SC2621-D-RA			
	405 041 6705	TR 2SC2621-E-RA			
Q705	406 000 3605	TR 2SC3620(LB-SAN-1)			
	405 014 8408	TR 2SC2568(1)-K			
	405 014 8507	TR 2SC2568(1)-L			
	405 014 8606	TR 2SC2568(1)-M			
	405 066 4304	TR 2SC2621-C-RA			
	405 041 6507	TR 2SC2621-D-RA			
	405 041 6705	TR 2SC2621-E-RA			
<b>CAPACITOR</b>			<b>MISCELLANEOUS</b>		
C701	403 069 0507	CERAMIC 1000P K 50V	A1001	610 224 3314	RC PREAMP 411-1D
C703	403 070 8400	CERAMIC 1500P K 50V	SW1001	610 215 6447	SWITCH, PUSH
C705	403 070 8400	CERAMIC 1500P K 50V			
C707	403 070 8400	CERAMIC 1500P K 50V			
C708	403 077 2708	CERAMIC 1000P P 2K			
	403 175 3409	CERAMIC 1000P P 2K			
C728	403 073 6403	CERAMIC 470P K 50V			
<b>RESISTOR</b>			<b>TRANSISTOR</b>		
R703	401 027 5007	CARBON 68 JA 1/6W	Q021	405 011 8401	TR 2SC1740S-Q
R706	401 027 5007	CARBON 68 JA 1/6W		405 011 8500	TR 2SC1740S-R
R707	401 026 9303	CARBON 47 JA 1/6W		405 011 8609	TR 2SC1740S-S
R710	401 027 5007	CARBON 68 JA 1/6W		405 012 2002	TR 2SC1815-GR
R711	401 065 4604	OXIDE-MT 12K JA 2W		405 012 2101	TR 2SC1815-O
R712	401 065 4604	OXIDE-MT 12K JA 2W		405 012 2309	TR 2SC1815-Y
R713	401 065 4604	OXIDE-MT 12K JA 2W		405 157 0505	TR 2SC536NF-NPA
R715	401 009 1508	CARBON 2.7K JA 1/2W		405 151 8705	TR 2SC536NG-NPA
R716	401 009 1508	CARBON 2.7K JA 1/2W		405 020 7501	TR 2SC945A-PA
R717	401 009 1508	CARBON 2.7K JA 1/2W		405 020 7709	TR 2SC945A-QA
<b>VARIABLE RESISTOR</b>				405 020 7907	TR 2SC945A-RA
VR701	645 020 2629	VR, SEMI, 5K N	Q111	405 013 3305	TR 2SC2216(SAN)
VR702	645 020 2629	VR, SEMI, 5K N	Q131	405 011 8401	TR 2SC1740S-Q
VR703	645 020 2629	VR, SEMI, 5K N		405 011 8500	TR 2SC1740S-R
VR704	645 020 2599	VR, SEMI, 100 N		405 011 8609	TR 2SC1740S-S
VR705	645 020 2599	VR, SEMI, 100 N		405 012 2002	TR 2SC1815-GR
<b>COIL</b>				405 012 2101	TR 2SC1815-O
L701	610 029 8200	PEAKING COIL 120UH K		405 012 2309	TR 2SC1815-Y
	645 007 9597	INDUCTOR, 120U K		405 157 0505	TR 2SC536NF-NPA
<b>MISCELLANEOUS</b>				405 151 8705	TR 2SC536NG-NPA
△ K701	610 010 3986	CRT SOCKET		405 020 7501	TR 2SC945A-PA
SW701	610 011 4227	SWITCH, LEVER 1P-2T		405 020 7709	TR 2SC945A-QA
				405 020 7907	TR 2SC945A-RA
			Q141	406 000 6804	TR 2SA1015-GR(SAN)
				405 001 7407	TR 2SA1015-O(SAN)
				405 001 7605	TR 2SA1015-Y(SAN)
				405 004 3109	TR 2SA564A-Q(CU)
				405 004 3208	TR 2SA564A-R(CU)
				405 151 3304	TR 2SA608NF-NPA
				405 006 1707	TR 2SA933S-Q

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q201	405 006 1806	TR 2SA933S-R	Q461	405 064 7307	TR 2SB1274-Q-RA
	405 011 8401	TR 2SC1740S-Q		405 064 7406	TR 2SB1274-R-RA
	405 011 8500	TR 2SC1740S-R	Q462	405 011 8401	TR 2SC1740S-Q
	405 011 8609	TR 2SC1740S-S		405 011 8500	TR 2SC1740S-R
	405 012 2002	TR 2SC1815-GR		405 011 8609	TR 2SC1740S-S
	405 012 2101	TR 2SC1815-O		405 012 2002	TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y		405 012 2101	TR 2SC1815-O
	405 157 0505	TR 2SC536NF-NPA		405 012 2309	TR 2SC1815-Y
	405 151 8705	TR 2SC536NG-NPA		405 157 0505	TR 2SC536NF-NPA
	405 020 7501	TR 2SC945A-PA		405 151 8705	TR 2SC536NG-NPA
	405 020 7709	TR 2SC945A-QA		405 020 7501	TR 2SC945A-PA
	405 020 7907	TR 2SC945A-RA		405 020 7709	TR 2SC945A-QA
Q242	405 011 8401	TR 2SC1740S-Q	Q526	405 020 7907	TR 2SC945A-RA
	405 011 8500	TR 2SC1740S-R		405 011 8401	TR 2SC1740S-Q
	405 011 8609	TR 2SC1740S-S		405 011 8500	TR 2SC1740S-R
	405 012 2002	TR 2SC1815-GR		405 011 8609	TR 2SC1740S-S
	405 012 2101	TR 2SC1815-O		405 012 2002	TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y		405 012 2101	TR 2SC1815-O
	405 157 0505	TR 2SC536NF-NPA		405 012 2309	TR 2SC1815-Y
	405 151 8705	TR 2SC536NG-NPA		405 157 0505	TR 2SC536NF-NPA
	405 020 7501	TR 2SC945A-PA		405 151 8705	TR 2SC536NG-NPA
	405 020 7709	TR 2SC945A-QA	Q611	405 020 7501	TR 2SC945A-PA
Q243	405 020 7907	TR 2SC945A-RA		405 020 7709	TR 2SC945A-QA
	405 011 8401	TR 2SC1740S-Q		405 020 7907	TR 2SC945A-RA
	405 011 8500	TR 2SC1740S-R		406 000 6804	TR 2SA1015-GR(SAN)
	405 011 8609	TR 2SC1740S-S		405 001 7407	TR 2SA1015-O(SAN)
	405 012 2002	TR 2SC1815-GR		405 001 7605	TR 2SA1015-Y(SAN)
	405 012 2101	TR 2SC1815-O		405 004 3109	TR 2SA564A-Q(CU)
	405 012 2309	TR 2SC1815-Y		405 004 3208	TR 2SA564A-R(CU)
	405 157 0505	TR 2SC536NF-NPA		405 151 3304	TR 2SA608NF-NPA
	405 151 8705	TR 2SC536NG-NPA		405 006 1707	TR 2SA933S-Q
	405 020 7501	TR 2SC945A-PA		405 006 1806	TR 2SA933S-R
Q251	405 020 7709	TR 2SC945A-QA	Q612	405 058 0208	TR 2SC3807-R-CTV-YA
	405 020 7907	TR 2SC945A-RA		405 095 0407	TR 2SC4429-L-YB
	405 011 8401	TR 2SC1740S-Q	Q613	405 095 0308	TR 2SC4429-M-YB
	405 011 8500	TR 2SC1740S-R		405 011 8401	TR 2SC1740S-Q
	405 011 8609	TR 2SC1740S-S	Q646	405 011 8500	TR 2SC1740S-R
	405 012 2002	TR 2SC1815-GR		405 011 8609	TR 2SC1740S-S
	405 012 2101	TR 2SC1815-O		405 012 2002	TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y		405 012 2101	TR 2SC1815-O
	405 157 0505	TR 2SC536NF-NPA		405 012 2309	TR 2SC1815-Y
	405 151 8705	TR 2SC536NG-NPA		405 157 0505	TR 2SC536NF-NPA
	405 020 7501	TR 2SC945A-PA		405 151 8705	TR 2SC536NG-NPA
	405 020 7709	TR 2SC945A-QA		405 020 7501	TR 2SC945A-PA
	405 020 7907	TR 2SC945A-RA		405 020 7709	TR 2SC945A-QA
Q252	405 011 8401	TR 2SC1740S-Q		405 020 7907	TR 2SC945A-RA
	405 011 8500	TR 2SC1740S-R	Q651	405 012 2002	TR 2SC1815-GR
	405 011 8609	TR 2SC1740S-S		405 019 2708	TR 2SC536-F-NP
	405 012 2002	TR 2SC1815-GR		405 019 3804	TR 2SC536-G-NP
	405 012 2101	TR 2SC1815-O		405 020 7501	TR 2SC945A-PA
	405 012 2309	TR 2SC1815-Y	Q661	405 059 9804	TR 2SD1913-Q-RA
	405 157 0505	TR 2SC536NF-NPA		405 059 9903	TR 2SD1913-R-RA
	405 151 8705	TR 2SC536NG-NPA	Q681	405 089 0000	TR 2SA1707-S
	405 020 7501	TR 2SC945A-PA		405 089 0109	TR 2SA1707-T
	405 020 7709	TR 2SC945A-QA		405 009 6907	TR 2SB985-S
	405 020 7907	TR 2SC945A-RA		405 009 7003	TR 2SB985-T
Q261	406 000 6804	TR 2SA1015-GR(SAN)		405 011 8401	TR 2SC1740S-Q
	405 001 7407	TR 2SA1015-O(SAN)	Q684	405 011 8500	TR 2SC1740S-R
	405 001 7605	TR 2SA1015-Y(SAN)		405 011 8609	TR 2SC1740S-S
	405 004 3109	TR 2SA564A-Q(CU)		405 012 2002	TR 2SC1815-GR
	405 004 3208	TR 2SA564A-R(CU)		405 012 2101	TR 2SC1815-O
	405 151 3304	TR 2SA608NF-NPA		405 012 2309	TR 2SC1815-Y
	405 006 1707	TR 2SA933S-Q		405 157 0505	TR 2SC536NF-NPA
	405 006 1806	TR 2SA933S-R		405 151 8705	TR 2SC536NG-NPA
	405 018 0507	TR 2SC3332-R		405 020 7501	TR 2SC945A-PA
	405 018 0606	TR 2SC3332-S		405 020 7709	TR 2SC945A-QA
	405 082 2407	TR 2SD1879-CTV-YB		405 020 7907	TR 2SC945A-RA

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q691	405 011 8401	TR 2SC1740S-Q	Q861	405 020 7907	TR 2SC945A-RA
	405 011 8500	TR 2SC1740S-R		405 011 8401	TR 2SC1740S-Q
	405 011 8609	TR 2SC1740S-S		405 011 8500	TR 2SC1740S-R
	405 012 2002	TR 2SC1815-GR		405 011 8609	TR 2SC1740S-S
	405 012 2101	TR 2SC1815-O		405 012 2002	TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y		405 012 2101	TR 2SC1815-O
	405 157 0505	TR 2SC536NF-NPA		405 012 2309	TR 2SC1815-Y
	405 151 8705	TR 2SC536NG-NPA		405 157 0505	TR 2SC536NF-NPA
	405 020 7501	TR 2SC945A-PA		405 151 8705	TR 2SC536NG-NPA
	405 020 7709	TR 2SC945A-QA		405 020 7501	TR 2SC945A-PA
Q692	405 020 7907	TR 2SC945A-RA	Q862	405 020 7709	TR 2SC945A-QA
	405 012 2002	TR 2SC1815-GR		405 020 7907	TR 2SC945A-RA
	405 019 2708	TR 2SC536-F-NP		405 011 8401	TR 2SC1740S-Q
	405 019 3804	TR 2SC536-G-NP		405 011 8500	TR 2SC1740S-R
Q693	405 020 7501	TR 2SC945A-PA		405 011 8609	TR 2SC1740S-S
	406 000 6804	TR 2SA1015-GR(SAN)		405 012 2002	TR 2SC1815-GR
	405 001 7605	TR 2SA1015-Y(SAN)		405 012 2101	TR 2SC1815-O
	405 004 3208	TR 2SA564A-R(CU)		405 012 2309	TR 2SC1815-Y
Q815	405 004 4809	TR 2SA608-F-CTV-NP		405 157 0505	TR 2SC536NF-NPA
	406 000 6804	TR 2SA1015-GR(SAN)		405 151 8705	TR 2SC536NG-NPA
	405 001 7407	TR 2SA1015-O(SAN)		405 020 7501	TR 2SC945A-PA
	405 001 7605	TR 2SA1015-Y(SAN)		405 020 7709	TR 2SC945A-QA
Q816	405 004 3109	TR 2SA564A-Q(CU)	Q871	405 020 7907	TR 2SC945A-RA
	405 004 3208	TR 2SA564A-R(CU)		406 000 6804	TR 2SA1015-GR(SAN)
	405 151 3304	TR 2SA608NF-NPA		405 001 7407	TR 2SA1015-O(SAN)
	405 006 1707	TR 2SA933S-Q		405 001 7605	TR 2SA1015-Y(SAN)
Q817	405 006 1806	TR 2SA933S-R		405 004 3109	TR 2SA564A-Q(CU)
	405 011 8401	TR 2SC1740S-Q		405 004 3208	TR 2SA564A-R(CU)
	405 011 8500	TR 2SC1740S-R		405 151 3304	TR 2SA608NF-NPA
	405 011 8609	TR 2SC1740S-S		405 006 1707	TR 2SA933S-Q
	405 012 2002	TR 2SC1815-GR		405 006 1806	TR 2SA933S-R
	405 012 2101	TR 2SC1815-O	<b>INTEGRATED CIRCUIT</b>		
	405 012 2309	TR 2SC1815-Y	IC001	409 301 4906	IC TDA7263M
	405 157 0505	TR 2SC536NF-NPA	IC1101	409 268 8504	IC NJM2233BD
	405 151 8705	TR 2SC536NG-NPA	IC201	409 382 3201	IC LA7687N
	405 020 7501	TR 2SC945A-PA	IC271	409 351 6905	IC LC89950
Q817	405 020 7709	TR 2SC945A-QA	IC3401	409 432 7807	IC UPC1851BCU
	405 020 7907	TR 2SC945A-RA		409 392 2805	IC UPC1851CU
	405 011 8401	TR 2SC1740S-Q	IC501	409 173 2802	IC LA7838
	405 011 8500	TR 2SC1740S-R	IC651	409 241 5407	IC BA178M05T
	405 011 8609	TR 2SC1740S-S		409 265 4806	IC L78M05CV
	405 012 2002	TR 2SC1815-GR		409 172 1509	IC MC78M05CT
	405 012 2101	TR 2SC1815-O		409 320 5700	IC UPC78M05AHF
	405 012 2309	TR 2SC1815-Y	IC801	410 274 3308	IC LC864525V-5E38
	405 157 0505	TR 2SC536NF-NPA	IC802	409 296 9207	IC X24C08P
	405 151 8705	TR 2SC536NG-NPA		409 383 6805	IC 24LC08B/P
Q851	405 020 7501	TR 2SC945A-PA	IC803	409 301 2803	IC MN1381-Q
	405 020 7709	TR 2SC945A-QA	<b>CAPACITOR</b>		
	405 020 7907	TR 2SC945A-RA	C003	403 067 6709	MT-COMPO 0.22U J 50V
	406 000 6804	TR 2SA1015-GR(SAN)	C004	403 067 6709	MT-COMPO 0.22U J 50V
	405 001 7407	TR 2SA1015-O(SAN)	C006	403 157 6800	CERAMIC 680P K 50V
	405 001 7605	TR 2SA1015-Y(SAN)	C007	403 157 6800	CERAMIC 680P K 50V
	405 004 3109	TR 2SA564A-Q(CU)	C008	403 046 3507	ELECT 33U M 25V
	405 004 3208	TR 2SA564A-R(CU)	C009	403 046 3507	ELECT 33U M 25V
	405 151 3304	TR 2SA608NF-NPA	C010	403 256 2406	CERAMIC 0.22U Z 50V
	405 006 1707	TR 2SA933S-Q	C011	403 256 2406	CERAMIC 0.22U Z 50V
Q852	405 006 1806	TR 2SA933S-R	C012	403 256 2406	CERAMIC 0.22U Z 50V
	405 011 8401	TR 2SC1740S-Q	C013	403 256 2406	CERAMIC 0.22U Z 50V
	405 011 8500	TR 2SC1740S-R	C017	403 053 3606	ELECT 2200U M 35V
	405 011 8609	TR 2SC1740S-S	C018	403 045 9807	ELECT 2200U M 25V
	405 012 2002	TR 2SC1815-GR	C019	403 045 9807	ELECT 2200U M 25V
	405 012 2101	TR 2SC1815-O	C021	403 046 3507	ELECT 33U M 25V
	405 012 2309	TR 2SC1815-Y	C101	403 044 1703	ELECT 470U M 16V
	405 157 0505	TR 2SC536NF-NPA	C102	403 043 3906	ELECT 33U M 16V
	405 151 8705	TR 2SC536NG-NPA	C103	403 051 0607	ELECT 4.7U M 50V
	405 020 7501	TR 2SC945A-PA			
	405 020 7709	TR 2SC945A-QA			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C104	403 049 9803	ELECT 2.2U M 50V	C3412	403 090 6004	TA-SOLID 3.3U K 10V
C1101	403 041 8804	ELECT 10U M 16V	C3413	403 049 0008	ELECT 1U M 50V
C1102	403 041 8804	ELECT 10U M 16V	C3414	403 090 3607	TA-SOLID 10U K 10V
C1103	403 041 8804	ELECT 10U M 16V	C3416	403 049 0008	ELECT 1U M 50V
C111	403 149 9208	CERAMIC 0.01U Z 50V	C3417	403 049 0008	ELECT 1U M 50V
C112	403 149 9208	CERAMIC 0.01U Z 50V	C3418	403 051 0607	ELECT 4.7U M 50V
C113	403 149 9208	CERAMIC 0.01U Z 50V	C3419	403 049 0008	ELECT 1U M 50V
C131	403 157 2901	CERAMIC 47P J 50V	C3423	403 284 4304	CERAMIC 0.022U K 50V
	403 146 0109	CERAMIC 47P J 50V	C3424	403 049 9803	ELECT 2.2U M 50V
C132	403 157 2901	CERAMIC 47P J 50V	C3426	403 113 4109	CERAMIC 2200P K 50V
	403 146 0109	CERAMIC 47P J 50V	C3427	403 164 0204	CERAMIC 0.1U Z 25V
C162	403 048 6308	ELECT 0.47U M 50V	C3428	403 049 9803	ELECT 2.2U M 50V
C164	403 149 9208	CERAMIC 0.01U Z 50V	C3429	403 113 4109	CERAMIC 2200P K 50V
C165	403 149 9208	CERAMIC 0.01U Z 50V	C3431	403 164 0204	CERAMIC 0.1U Z 25V
C166	403 043 9106	ELECT 47U M 16V	C3432	403 046 9905	ELECT 4.7U M 25V
C168	403 149 9208	CERAMIC 0.01U Z 50V	C3433	403 046 9905	ELECT 4.7U M 25V
C171	403 049 0008	ELECT 1U M 50V	C3434	403 166 1605	NP-ELECT 4.7U M 25V
C173	403 149 9208	CERAMIC 0.01U Z 50V	C3436	403 166 1605	NP-ELECT 4.7U M 25V
C175	403 113 4109	CERAMIC 2200P K 50V	C3437	403 046 9905	ELECT 4.7U M 25V
C176	403 048 6308	ELECT 0.47U M 50V	C3438	403 046 9905	ELECT 4.7U M 25V
C177	403 113 3805	CERAMIC 1000P K 50V	C3439	403 049 0008	ELECT 1U M 50V
C178	403 062 7107	POLYESTER 0.056U K 50V	C3440	403 157 7302	CERAMIC 6800P K 50V
C179	403 164 0204	CERAMIC 0.1U Z 25V	C351	403 157 6800	CERAMIC 680P K 50V
C191	403 145 9905	CERAMIC 22P J 50V	C363	403 149 9208	CERAMIC 0.01U Z 50V
	403 113 0200	CERAMIC 22P J 50V	C364	403 050 6600	ELECT 3.3U M 50V
C201	403 149 9208	CERAMIC 0.01U Z 50V	C365	403 281 5007	CERAMIC 0.033U K 25V
C202	403 043 0202	ELECT 220U M 16V	C366	403 042 2405	ELECT 100U M 16V
C210	403 086 2300	NP-ELECT 1U M 50V	C432	403 075 7101	CERAMIC 1000P K 500V
C211	403 049 0008	ELECT 1U M 50V	C433	403 076 3102	CERAMIC 3900P K 500V
C213	403 049 0008	ELECT 1U M 50V	C434	403 054 0703	ELECT 47U M 35V
C216	403 049 0008	ELECT 1U M 50V	C435	404 066 5304	MT-POLYPRO 5600P H 1.5K
C218	403 155 1302	CERAMIC 150P J 50V	C436	404 066 3904	MT-POLYPRO 0.01U H 1.5K
	403 155 1401	CERAMIC 150P J 50V	C437	403 066 6106	MT-POLYEST 0.47U J 250V
C219	403 157 6305	CERAMIC 270P K 50V	C438	403 083 4901	POLYPRO 0.027U J 400V
C222	404 056 5307	NP-ELECT 2.2U M 100V	C439	403 083 3409	POLYPRO 0.015U J 400V
C229	403 048 6308	ELECT 0.47U M 50V	C441	403 082 9006	POLYPRO 0.27U J 200V
C230	403 048 6308	ELECT 0.47U M 50V	C442	403 082 9808	POLYPRO 0.33U J 200V
C231	403 048 6308	ELECT 0.47U M 50V	C461	403 049 9803	ELECT 2.2U M 50V
C232	403 157 3809	CERAMIC 120P J 50V	C462	403 038 1603	ELECT 100U M 6.3V
	403 155 4105	CERAMIC 120P J 50V	C463	403 166 7706	MT-POLYEST 0.47U J 63V
C233	403 157 3809	CERAMIC 120P J 50V		403 067 7805	MT-COMPO 0.47U J 50V
	403 155 4105	CERAMIC 120P J 50V	C464	403 049 0008	ELECT 1U M 50V
C236	403 049 0008	ELECT 1U M 50V	C475	403 066 0005	MT-POLYEST 2.2U J 100V
C237	403 049 0008	ELECT 1U M 50V	C481	403 055 7206	ELECT 10U M 250V
C242	403 215 2201	CERAMIC 0.01U K 50V	C483	403 049 4204	ELECT 10U M 50V
C243	403 048 6308	ELECT 0.47U M 50V	C486	403 047 3100	ELECT 47U M 25V
C244	403 164 0204	CERAMIC 0.1U Z 25V	C510	403 044 1703	ELECT 470U M 16V
C245	403 043 9106	ELECT 47U M 16V	C511	403 072 4400	CERAMIC 270P K 50V
C246	403 164 0204	CERAMIC 0.1U Z 25V	C512	403 057 0601	POLYESTER 0.01U K 50V
C271	403 149 9208	CERAMIC 0.01U Z 50V	C513	403 102 7609	TA-SOLID 1U K 16V
C272	403 149 9208	CERAMIC 0.01U Z 50V		403 091 9004	TA-SOLID 1U K 25V
C273	403 149 9208	CERAMIC 0.01U Z 50V	C514	403 205 4604	ELECT 10U K 25V
C274	403 049 0008	ELECT 1U M 50V	C515	403 045 9807	ELECT 2200U M 25V
C275	403 113 3805	CERAMIC 1000P K 50V	C517	403 053 2104	ELECT 220U M 35V
C276	403 164 0204	CERAMIC 0.1U Z 25V	C518	403 069 0507	CERAMIC 1000P K 50V
C278	403 041 2109	ELECT 47U M 10V	C521	403 054 1502	ELECT 470U M 35V
C3400	403 164 0204	CERAMIC 0.1U Z 25V	C524	403 063 2309	POLYESTER 0.068U K 50V
C3401	403 043 9106	ELECT 47U M 16V	C601	404 044 0901	MT-COMPO 0.1U M 250V
C3402	403 042 7707	ELECT 22U M 16V	C613	403 075 7101	CERAMIC 1000P K 500V
C3403	403 164 0204	CERAMIC 0.1U Z 25V	C614	403 270 2901	MT-POLYEST 0.1U K 63V
C3404	403 050 6600	ELECT 3.3U M 50V		403 067 5603	MT-COMPO 0.1U J 50V
C3406	403 166 1605	NP-ELECT 4.7U M 25V	C615	403 058 2604	POLYESTER 0.015U J 50V
C3407	403 049 9803	ELECT 2.2U M 50V	C616	403 167 8702	CERAMIC 2200P K 2K
C3408	403 224 7006	CERAMIC 0.047U Z 50V		403 247 2101	CERAMIC 2200P K 2K
C3409	403 048 6308	ELECT 0.47U M 50V	C617	403 060 8403	POLYESTER 0.033U K 50V
C3410	403 164 0204	CERAMIC 0.1U Z 25V	△ C627	404 073 5106	CERAMIC 470P K 250V
C3411	403 047 8402	ELECT 0.1U M 50V		404 073 3102	CERAMIC 470P K 250V



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
△ C629	404 044 2806	CERAMIC 470P K 400V	R108	401 150 6001	MT-GLAZE 0.000 ZA 1/10W
	404 073 5106	CERAMIC 470P K 250V	R1101	401 022 6801	CARBON 75 JA 1/4W
	404 073 3102	CERAMIC 470P K 250V	R1102	401 150 5806	MT-GLAZE 100K JA 1/10W
C631	404 044 2806	CERAMIC 470P K 400V	R1103	401 150 5806	MT-GLAZE 100K JA 1/10W
	404 051 8105	ELECT 270U M 400V	R1104	401 150 6001	MT-GLAZE 0.000 ZA 1/10W
	404 078 7600	ELECT 270U M 400V	R1105	401 150 6001	MT-GLAZE 0.000 ZA 1/10W
C651	403 040 3701	ELECT 220U M 10V	R1106	401 027 2600	CARBON 5.6K JA 1/6W
C652	404 042 4703	ELECT 220U M 160V	R1107	401 150 5905	MT-GLAZE 10K JA 1/10W
C653	403 165 6007	CERAMIC 1000P K 1K	R111	401 150 6209	MT-GLAZE 1K JA 1/10W
	403 222 1303	CERAMIC 1000P K 1K	R1111	401 022 6801	CARBON 75 JA 1/4W
	403 271 9602	CERAMIC 1000P K 1K	R112	401 162 4101	MT-GLAZE 5.6K JA 1/10W
C661	403 262 1806	CERAMIC 1000P K 1K	R113	401 255 6500	MT-GLAZE 100 JA 1/10W
	403 042 2405	ELECT 100U M 16V	R114	401 162 2909	MT-GLAZE 220 JA 1/10W
	403 046 8007	ELECT 3300U M 25V	R116	401 256 5502	MT-GLAZE 27 JA 1/10W
C662	403 043 6006	ELECT 330U M 16V	R131	401 152 3206	MT-GLAZE 330 JA 1/10W
C672	403 154 8500	ELECT 3300U M 35V	R132	401 150 6100	MT-GLAZE 2.2K JA 1/10W
	403 211 7309	ELECT 3300U M 35V	R133	401 162 2404	MT-GLAZE 1.2K JA 1/10W
	403 148 2002	ELECT 470U M 35V	R140	401 162 4002	MT-GLAZE 560 JA 1/10W
C682	403 049 0008	ELECT 1U M 50V	R141	401 150 6209	MT-GLAZE 1K JA 1/10W
C691	403 043 9106	ELECT 47U M 16V	R142	401 162 2701	MT-GLAZE 180 JA 1/10W
C801	403 155 4204	CERAMIC 15P J 50V	R143	401 024 7004	CARBON 1K JA 1/6W
	403 139 7207	CERAMIC 15P J 50V	R144	401 162 3609	MT-GLAZE 470 JA 1/10W
	403 155 4204	CERAMIC 15P J 50V	R145	401 026 9600	CARBON 470 JA 1/6W
C803	403 139 7207	CERAMIC 15P J 50V	R160	401 256 6509	MT-GLAZE 68 JA 1/10W
	403 164 0204	CERAMIC 0.1U Z 25V	R165	401 256 6608	MT-GLAZE 68K JA 1/10W
	403 049 0008	ELECT 1U M 50V	R166	401 150 6001	MT-GLAZE 0.000 ZA 1/10W
C806	403 174 4100	CERAMIC 27P J 50V	R168	401 025 8208	CARBON 22K JA 1/6W
C807	403 174 4100	CERAMIC 27P J 50V	R170	401 162 4002	MT-GLAZE 560 JA 1/10W
C808	403 043 9106	ELECT 47U M 16V	R171	401 150 6209	MT-GLAZE 1K JA 1/10W
C809	403 113 3805	CERAMIC 1000P K 50V	R172	401 256 5601	MT-GLAZE 47 JA 1/10W
C811	403 049 9803	ELECT 2.2U M 50V	R173	401 256 2907	MT-GLAZE 150 JA 1/10W
C812	403 049 0008	ELECT 1U M 50V	R175	401 256 3508	MT-GLAZE 150K JA 1/10W
C814	403 157 3809	CERAMIC 120P J 50V	R176	401 027 5908	CARBON 68K JA 1/6W
	403 155 4105	CERAMIC 120P J 50V	R177	401 025 8703	CARBON 220K JA 1/6W
	403 157 3304	CERAMIC 68P J 50V	R181	401 027 0309	CARBON 47K JA 1/6W
C818	403 149 8508	CERAMIC 68P J 50V	R182	401 256 1702	MT-GLAZE 33K JA 1/10W
	403 157 3304	CERAMIC 68P J 50V	R1901	401 150 5905	MT-GLAZE 10K JA 1/10W
	403 149 8508	CERAMIC 68P J 50V	R1902	401 024 7004	CARBON 1K JA 1/6W
C821	403 157 3304	CERAMIC 68P J 50V	R1903	401 150 6100	MT-GLAZE 2.2K JA 1/10W
	403 149 8508	CERAMIC 68P J 50V	R1904	401 256 5908	MT-GLAZE 2.7K JA 1/10W
	403 157 3304	CERAMIC 68P J 50V	R1905	401 162 3708	MT-GLAZE 4.7K JA 1/10W
C822	403 149 8508	CERAMIC 68P J 50V	R1906	401 256 7308	MT-GLAZE 6.8K JA 1/10W
	403 149 9208	CERAMIC 0.01U Z 50V	R1907	401 256 7209	MT-GLAZE 18K JA 1/10W
	403 149 9208	CERAMIC 0.01U Z 50V	R191	401 150 6209	MT-GLAZE 1K JA 1/10W
RESISTOR			R2013	401 150 6001	MT-GLAZE 0.000 ZA 1/10W
			R2017	401 150 6001	MT-GLAZE 0.000 ZA 1/10W
			R2018	401 150 6001	MT-GLAZE 0.000 ZA 1/10W
RL640	610 215 6362	RELAY	R202	401 150 6001	MT-GLAZE 0.000 ZA 1/10W
	645 000 4155	RELAY	R2022	401 150 6001	MT-GLAZE 0.000 ZA 1/10W
	645 011 2713	RELAY	R206	401 255 6500	MT-GLAZE 100 JA 1/10W
R001	645 024 7828	RELAY	R207	401 255 6500	MT-GLAZE 100 JA 1/10W
	645 015 8629	RELAY	R213	401 162 4101	MT-GLAZE 5.6K JA 1/10W
	401 162 2800	MT-GLAZE 1.8K JA 1/10W	R214	401 255 6500	MT-GLAZE 100 JA 1/10W
R002	401 162 2800	MT-GLAZE 1.8K JA 1/10W	R218	401 150 6209	MT-GLAZE 1K JA 1/10W
R003	401 256 7605	MT-GLAZE 3.9K JA 1/10W	R219	401 162 2909	MT-GLAZE 220 JA 1/10W
R004	401 256 7605	MT-GLAZE 3.9K JA 1/10W	R221	401 024 7400	CARBON 10K JA 1/6W
R006	401 026 8108	CARBON 4.7 JA 1/6W	R222	401 025 4903	CARBON 180K JA 1/6W
R007	401 026 8108	CARBON 4.7 JA 1/6W	R223	401 024 7004	CARBON 1K JA 1/6W
R008	401 025 7805	CARBON 2.2K JA 1/6W	R228	401 162 3104	MT-GLAZE 3.3K JA 1/10W
R009	401 026 9303	CARBON 47 JA 1/6W	R229	401 150 6209	MT-GLAZE 1K JA 1/10W
R011	401 025 7805	CARBON 2.2K JA 1/6W	R230	401 150 6209	MT-GLAZE 1K JA 1/10W
R012	401 026 9303	CARBON 47 JA 1/6W	R231	401 150 6209	MT-GLAZE 1K JA 1/10W
R013	401 025 1605	CARBON 1.5K JA 1/6W	R232	401 255 6500	MT-GLAZE 100 JA 1/10W
R022	401 162 3005	MT-GLAZE 22K JA 1/10W	R233	401 255 6500	MT-GLAZE 100 JA 1/10W
R102	401 013 4304	CARBON 120 JB 1/4W	R234	401 255 6500	MT-GLAZE 100 JA 1/10W
R103	401 061 8101	OXIDE-MT 39K JA 1W	R235	401 255 6500	MT-GLAZE 100 JA 1/10W
R104	401 024 9701	CARBON 12K JA 1/6W	R236	401 256 5700	MT-GLAZE 2.7M JA 1/10W
R107	401 150 6001	MT-GLAZE 0.000 ZA 1/10W			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R237	401 256 5700	MT-GLAZE 2.7M JA 1/10W	R504	401 256 5700	MT-GLAZE 2.7M JA 1/10W
R241	401 025 1902	CARBON 15K JA 1/6W	R510	401 024 6700	CARBON 100 JA 1/6W
R242	401 025 1902	CARBON 15K JA 1/6W	R511	401 150 5905	MT-GLAZE 10K JA 1/10W
R243	401 256 0408	MT-GLAZE 12K JA 1/10W	R512	401 027 3003	CARBON 56K JA 1/6W
R246	401 256 0408	MT-GLAZE 12K JA 1/10W	R513	401 027 0309	CARBON 47K JA 1/6W
R247	401 255 8702	MT-GLAZE 22 JA 1/10W	R514	401 026 4308	CARBON 3.3K JA 1/6W
R248	401 256 5304	MT-GLAZE 56K JA 1/10W	R515	401 025 4200	CARBON 1.8K JA 1/6W
R249	401 256 5304	MT-GLAZE 56K JA 1/10W	R516	401 021 3009	CARBON 5.6K JA 1/4W
R251	401 162 3104	MT-GLAZE 3.3K JA 1/10W	R518	401 006 8401	CARBON 1.5 JA 1/2W
R252	401 162 3005	MT-GLAZE 22K JA 1/10W	R520	401 006 8807	CARBON 1.8 JA 1/2W
R253	401 027 2600	CARBON 5.6K JA 1/6W	R522	401 026 0607	CARBON 270 JA 1/6W
R254	401 150 5905	MT-GLAZE 10K JA 1/10W	R523	401 026 7002	CARBON 3.9K JA 1/6W
R256	401 024 7400	CARBON 10K JA 1/6W	R524	401 059 6706	OXIDE-MT 180 JA 1W
R263	401 026 3905	CARBON 330 JA 1/6W	R525	401 026 4308	CARBON 3.3K JA 1/6W
R266	401 150 6001	MT-GLAZE 0.000 ZA 1/10W	R526	401 024 7004	CARBON 1K JA 1/6W
R267	401 150 6001	MT-GLAZE 0.000 ZA 1/10W	R528	401 007 1104	CARBON 1K JA 1/2W
R268	401 150 6001	MT-GLAZE 0.000 ZA 1/10W	R601	401 008 8607	CARBON 220K JA 1/2W
R269	401 150 6001	MT-GLAZE 0.000 ZA 1/10W	R611	401 027 2600	CARBON 5.6K JA 1/6W
R270	401 150 6001	MT-GLAZE 0.000 ZA 1/10W	R615	401 025 8208	CARBON 22K JA 1/6W
R272	401 150 6209	MT-GLAZE 1K JA 1/10W	R617	401 027 8305	CARBON 820 JA 1/6W
R273	401 255 9709	MT-GLAZE 82K JA 1/10W	R619	401 019 9600	CARBON 47 JA 1/4W
R274	401 256 6103	MT-GLAZE 4.7M JA 1/10W	R620	401 007 5805	CARBON 120K JA 1/2W
R278	401 013 4304	CARBON 120 JB 1/4W	R621	401 007 5805	CARBON 120K JA 1/2W
R3401	401 150 6209	MT-GLAZE 1K JA 1/10W	R622	401 014 5201	CARBON 15K JA 1/4W
R3402	401 256 6608	MT-GLAZE 68K JA 1/10W	R623	401 025 4200	CARBON 1.8K JA 1/6W
R3403	401 256 3805	MT-GLAZE 1.5K JA 1/10W	R624	401 066 5204	OXIDE-MT 22 JA 2W
R3404	401 256 3805	MT-GLAZE 1.5K JA 1/10W	R625	401 066 9103	OXIDE-MT 27 JA 2W
R3405	401 255 6500	MT-GLAZE 100 JA 1/10W	R626	401 015 2209	CARBON 1.8K GA 1/4W
R3406	401 256 8008	MT-FILM 16.5K FD 1/6W	R627	401 066 9103	OXIDE-MT 27 JA 2W
R3407	401 162 3104	MT-GLAZE 3.3K JA 1/10W	△ R628	402 000 8305	SOLID 5.6M KA 1/2W
R3408	401 162 2800	MT-GLAZE 1.8K JA 1/10W	△ R629	402 000 8305	SOLID 5.6M KA 1/2W
R3411	401 150 6001	MT-GLAZE 0.000 ZA 1/10W	R630	401 066 5204	OXIDE-MT 22 JA 2W
R3412	401 150 6001	MT-GLAZE 0.000 ZA 1/10W	R631A	402 084 7508	WIRE WOUND 3.3 KA 10W
R3413	401 150 5806	MT-GLAZE 100K JA 1/10W		402 076 2900	WIRE WOUND 3.3 KA 10W
R3414	401 150 5806	MT-GLAZE 100K JA 1/10W	R646	401 256 3805	MT-GLAZE 1.5K JA 1/10W
R3440	401 256 3805	MT-GLAZE 1.5K JA 1/10W	R647	401 061 2505	OXIDE-MT 330 JA 1W
R351	401 012 7009	CARBON 10K JA 1/4W	R651	401 011 2708	CARBON 68K JA 1/2W
R352	401 012 7009	CARBON 10K JA 1/4W	R652	401 025 8208	CARBON 22K JA 1/6W
R353	401 012 7009	CARBON 10K JA 1/4W	R653	401 012 8105	CARBON 100K JA 1/4W
R354	401 152 3206	MT-GLAZE 330 JA 1/10W	R654	401 026 9907	CARBON 4.7K JA 1/6W
R361	401 150 6001	MT-GLAZE 0.000 ZA 1/10W	R656	401 014 6109	CARBON 150K JA 1/4W
R362	401 162 3005	MT-GLAZE 22K JA 1/10W	R661	402 052 3105	WIRE WOUND 10 KA FH 3W
R367	401 162 2800	MT-GLAZE 1.8K JA 1/10W	R662	401 010 3102	CARBON 470 JA 1/2W
R368	401 014 2903	CARBON 150 JA 1/4W	R663	401 013 6407	CARBON 12K JA 1/4W
R432	401 024 7004	CARBON 1K JA 1/6W	R672	401 064 5701	OXIDE-MT 1.8 JA 2W
R433	401 007 1104	CARBON 1K JA 1/2W	R673	401 069 5607	OXIDE-MT 8.2 JA 2W
R435	401 060 2704	OXIDE-MT 220 JA 1W	R674	401 069 0404	OXIDE-MT 6.8 JA 2W
R436	402 056 0308	WIRE WOUND 5.6 KA 5W	R682	401 059 3903	OXIDE-MT 1.5K JA 1W
	402 074 1608	WIRE WOUND 5.6 KA 5W	R683	401 012 7009	CARBON 10K JA 1/4W
R441	401 058 3706	OXIDE-MT 1K JA 1W	R684	401 019 1901	CARBON 3.9K JA 1/4W
R461	401 027 0507	CARBON 470K JA 1/6W	R685	401 150 6209	MT-GLAZE 1K JA 1/10W
R462	401 027 0309	CARBON 47K JA 1/6W	R691	401 027 5502	CARBON 6.8K JA 1/6W
R463	401 027 0309	CARBON 47K JA 1/6W	R692	401 256 5106	MT-GLAZE 560K JA 1/10W
R464	401 026 4605	CARBON 33K JA 1/6W	R693	401 025 8703	CARBON 220K JA 1/6W
R465	401 026 3905	CARBON 330 JA 1/6W	R694	401 256 5106	MT-GLAZE 560K JA 1/10W
R466	401 027 5205	CARBON 680 JA 1/6W	R696	401 150 5905	MT-GLAZE 10K JA 1/10W
R467	401 027 5205	CARBON 680 JA 1/6W	R697	401 025 8208	CARBON 22K JA 1/6W
R468	401 025 7409	CARBON 220 JA 1/6W	R801	401 150 5905	MT-GLAZE 10K JA 1/10W
R481	401 009 4905	CARBON 33 JB 1/2W	R802	401 162 3708	MT-GLAZE 4.7K JA 1/10W
R482	401 018 5801	CARBON 330K JA 1/4W	R803	401 162 3708	MT-GLAZE 4.7K JA 1/10W
R483	401 018 5801	CARBON 330K JA 1/4W	R804	401 150 5905	MT-GLAZE 10K JA 1/10W
R486	401 057 8009	OXIDE-MT 1 JA 1W	R805	401 150 5905	MT-GLAZE 10K JA 1/10W
R487	401 009 5803	CARBON 330 JA 1/2W	R811	401 256 7605	MT-GLAZE 3.9K JA 1/10W
R488	401 025 7805	CARBON 2.2K JA 1/6W	R812	401 150 5905	MT-GLAZE 10K JA 1/10W
R489	401 025 7805	CARBON 2.2K JA 1/6W	R813	401 162 3005	MT-GLAZE 22K JA 1/10W
R492	401 010 8305	CARBON 5.6K JA 1/2W	R814	401 162 3104	MT-GLAZE 3.3K JA 1/10W
R493	401 027 5205	CARBON 680 JA 1/6W	R815	401 150 5905	MT-GLAZE 10K JA 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R816	401 256 6301	MT-GLAZE 47K JA 1/10W		645 021 2727	INDUCTOR, 3.3U, FILTER
R817	401 255 6500	MT-GLAZE 100 JA 1/10W	L432	610 031 9998	PIPE CORE
R819	401 162 3104	MT-GLAZE 3.3K JA 1/10W	L441	610 000 0988	LINEARITY COIL
R820	401 162 3708	MT-GLAZE 4.7K JA 1/10W		610 208 7383	LINEARITY COIL
R821	401 162 2800	MT-GLAZE 1.8K JA 1/10W	L441A	645 008 4058	TERMINAL, PLUG
R822	401 026 1307	CARBON 27K JA 1/6W	L441B	645 008 4058	TERMINAL, PLUG
R823	401 150 5905	MT-GLAZE 10K JA 1/10W	L441C	645 008 4058	TERMINAL, PLUG
R824	401 150 5905	MT-GLAZE 10K JA 1/10W	L441D	645 008 4058	TERMINAL, PLUG
R825	401 150 5905	MT-GLAZE 10K JA 1/10W	L471	610 031 1367	INDUCTOR 202J
R826	401 026 4308	CARBON 3.3K JA 1/6W		610 211 3488	INDUCTOR
R827	401 027 2600	CARBON 5.6K JA 1/6W		645 005 5645	INDUCTOR, 2200U K
R828	401 027 2600	CARBON 5.6K JA 1/6W	L472A	645 000 2229	INDUCTOR, 430UH
R829	401 027 2600	CARBON 5.6K JA 1/6W	L511	610 210 3809	PEAKING COIL 18UHK
R832	401 150 6001	MT-GLAZE 0.000 ZA 1/10W		645 001 4901	INDUCTOR, 18U K
R833	401 162 3005	MT-GLAZE 22K JA 1/10W	L601	610 031 5938	LINE FILTER
R834	401 150 6209	MT-GLAZE 1K JA 1/10W		610 223 1212	LINE FILTER
R836	401 162 3005	MT-GLAZE 22K JA 1/10W		645 017 6159	LINE FILTER
R837	401 255 9709	MT-GLAZE 82K JA 1/10W	L602	610 031 1558	INDUCTOR, 15U K
R840	401 150 6001	MT-GLAZE 0.000 ZA 1/10W	L801	645 008 2894	INDUCTOR, 5.6U K
R841	401 150 6001	MT-GLAZE 0.000 ZA 1/10W	L802	645 008 2894	INDUCTOR, 5.6U K
R843	401 024 7004	CARBON 1K JA 1/6W	L803	645 008 2894	INDUCTOR, 5.6U K
R844	401 025 1308	CARBON 150 JA 1/6W	L804	645 008 0180	INDUCTOR, 5.6U J
R851	401 162 2909	MT-GLAZE 220 JA 1/10W	L806	645 008 2894	INDUCTOR, 5.6U K
R852	401 027 0309	CARBON 47K JA 1/6W	L807	645 003 9782	INDUCTOR, 22U K
R853	401 025 7409	CARBON 220 JA 1/6W	L811	645 008 2894	INDUCTOR, 5.6U K
R854	401 162 3005	MT-GLAZE 22K JA 1/10W	L812	645 008 2894	INDUCTOR, 5.6U K
R855	401 162 2909	MT-GLAZE 220 JA 1/10W	L817	645 008 2894	INDUCTOR, 5.6U K
R856	401 256 6202	MT-GLAZE 270 JA 1/10W			
R861	401 256 6608	MT-GLAZE 68K JA 1/10W	<b>DIODE</b>		
R862	401 256 6301	MT-GLAZE 47K JA 1/10W	D102	407 056 7906	ZENER DIODE RD5.1EB1
R863	401 256 1702	MT-GLAZE 33K JA 1/10W		407 056 8002	ZENER DIODE RD5.1EB2
R869	401 162 3005	MT-GLAZE 22K JA 1/10W	D160	407 099 5907	ZENER DIODE MTZJ8.2C
R870	401 256 0101	MT-GLAZE 8.2K JA 1/10W	D222	407 005 8602	DIODE ERA15-02
R871	401 256 1702	MT-GLAZE 33K JA 1/10W		407 088 6502	DIODE MPG06D
R882	401 150 5905	MT-GLAZE 10K JA 1/10W		407 011 3004	DIODE S5277B
				408 009 9404	DIODE 1N4002ID
<b>VARIABLE RESISTOR</b>			D251	407 099 7505	ZENER DIODE MTZJ18A
VR191	645 008 8247	VR, SEMI, 20K N	D278	407 099 5204	ZENER DIODE MTZJ5.1B
VR351	645 006 5422	VR, SEMI, 10K N		407 056 8002	ZENER DIODE RD5.1EB2
	645 003 5531	VR, SEMI, 10K N	D352	407 099 5907	ZENER DIODE MTZJ8.2C
	645 011 6988	VR, SEMI, 10K N		407 057 8407	ZENER DIODE RD8.2EB3
	645 023 5153	VR, SEMI, 10K N	D431	407 095 8001	DIODE ERD07-15L
VR465	645 006 5422	VR, SEMI, 10K N	D432	407 006 4108	DIODE ERB44-04
	645 003 5531	VR, SEMI, 10K N	D461	408 008 2406	DIODE 1N4148
	645 011 6988	VR, SEMI, 10K N		407 013 4306	DIODE 1S2076A
	645 023 5153	VR, SEMI, 10K N		407 013 7109	DIODE 1S2473
VR510	610 232 8479	VR, SEMI, 50K N	D481	407 124 6404	DIODE ERA18-04
VR651	645 006 5514	VR, SEMI, 2.2K N		407 007 6606	DIODE ES1
	645 003 5579	VR, SEMI, 2.2K N		407 124 5506	DIODE RMPG06G
	645 023 5160	VR, SEMI, 2K N	D482	408 008 2406	DIODE 1N4148
	610 239 7581	VR B-2K		407 013 4306	DIODE 1S2076A
				407 013 6508	DIODE 1S2471
<b>TRANSFORMER</b>			D483	407 005 8602	DIODE ERA15-02
T431	610 000 1077	DRIVE TRANS		407 088 6502	DIODE MPG06D
	610 223 1656	DRIVE TRANS		407 011 3004	DIODE S5277B
△ T451	645 018 9579	TRANS, FLYBACK		408 009 9404	DIODE 1N4002ID
△ T611	645 022 0197	TRANS, POWER, PULSE	D487	408 008 2406	DIODE 1N4148
				407 013 4306	DIODE 1S2076A
<b>COIL</b>				407 013 6508	DIODE 1S2471
L131	645 003 9713	INDUCTOR, 15U K	D488	407 143 2708	ZENER DIODE HZ33-2L
L141	645 008 2733	INDUCTOR, 12U K	D500	407 005 8602	DIODE ERA15-02
L161	645 000 5237	TRANS, IF 45.75MHZ		407 011 3004	DIODE S5277B
L171	645 024 5879	TRANS, OSC, 45.75MHZ	D501	408 008 2406	DIODE 1N4148
L191	645 008 2825	INDUCTOR, 27U K		407 013 4306	DIODE 1S2076A
L241	645 001 4567	INDUCTOR, 10U K		407 013 7109	DIODE 1S2473
L431	610 032 4381	FILTER COIL	D511	407 005 8602	DIODE ERA15-02
	610 032 4404	FILTER COIL		407 088 6502	DIODE MPG06D



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
D603	407 011 3004	DIODE S5277B	SW1905	645 004 3062	SWITCH,PUSH 1P-1TX1
	408 009 9404	DIODE 1N4002ID	SW1906	645 004 3062	SWITCH,PUSH 1P-1TX1
	407 006 6300	DIODE ERC05-10B	X131	610 015 2946	CERAMIC FILTER 4.5MHZ
D604	407 009 6901	DIODE RM11C		645 041 1656	CERAMIC FILTER 4.5MHZ
	407 006 6300	DIODE ERC05-10B	X141	610 015 3066	CERAMIC TRAP
	407 009 6901	DIODE RM11C		610 015 3059	TRAP,CERAMIC 4.5MHZ
D605	407 006 6300	DIODE ERC05-10B		645 041 1618	TRAP CERAMIC 4.5MHZ
	407 009 6901	DIODE RM11C	X161	421 001 9104	SAW F TSF1228L
	407 009 6901	DIODE RM11C	X241	610 012 0655	CRYSTAL OSCILLATOR
D606	407 006 6300	DIODE ERC05-10B	X242	610 012 1294	CRYSTAL OSCILLATOR
	407 009 6901	DIODE RM11C	X243	645 001 6172	OSC,CRYSTAL 3575.611KHZ
	408 008 2406	DIODE 1N4148	X361	645 001 5380	OSC,CERAMIC 500KHZ
D614	407 013 4306	DIODE 1S2076A	X801	645 002 8885	OSC,CRYSTAL 12.000MHZ
	407 013 6508	DIODE 1S2471			
△ D615	407 104 2402	PHOTO COUPLE PC817C			
	407 106 6101	PHOTO COUPLE PC817D			
D616	408 008 2406	DIODE 1N4148			
	407 013 4306	DIODE 1S2076A			
	407 013 6508	DIODE 1S2471			
D617	407 007 6606	DIODE ES1			
	407 007 6903	DIODE ES1Z			
	408 009 9008	DIODE BYD33D			
D618	408 008 2406	DIODE 1N4148			
	407 013 4306	DIODE 1S2076A			
	407 013 6508	DIODE 1S2471			
D619	407 057 6304	ZENER DIODE RD7.5EB1			
D643	408 008 2406	DIODE 1N4148			
	407 013 4306	DIODE 1S2076A			
	407 013 6508	DIODE 1S2471			
D647	408 008 2406	DIODE 1N4148			
	407 013 4306	DIODE 1S2076A			
	407 013 7109	DIODE 1S2473			
D651	407 129 7000	DIODE RU4AM LF-L1			
D652	407 057 4003	ZENER DIODE RD6.8EB1			
D657	407 005 8602	DIODE ERA15-02			
	407 011 3004	DIODE S5277B			
	408 008 2406	DIODE 1N4148			
D660	407 013 4306	DIODE 1S2076A			
	407 013 6508	DIODE 1S2471			
D661	407 129 6706	DIODE RU4YX LF-L1			
D662	407 099 6201	ZENER DIODE MTZJ10C			
D666	407 005 8602	DIODE ERA15-02			
D667	407 005 8602	DIODE ERA15-02			
D671	407 129 6706	DIODE RU4YX LF-L1			
D681	407 007 7603	DIODE EU2			
	407 007 7801	DIODE EU2Z			
	407 005 8602	DIODE ERA15-02			
D683	407 011 3004	DIODE S5277B			
	408 008 2406	DIODE 1N4148			
	407 013 4306	DIODE 1S2076A			
D691	407 013 6508	DIODE 1S2471			
	407 057 4003	ZENER DIODE RD6.8EB1			
	407 099 5907	ZENER DIODE MTZJ8.2C			
D801	407 057 8407	ZENER DIODE RD8.2EB3			
	408 008 2406	DIODE 1N4148			
	407 013 4306	DIODE 1S2076A			
D863	407 013 6508	DIODE 1S2471			
<b>MISCELLANEOUS</b>					
F001	645 017 6944	PROTECTOR,1.5A 125V			
A101	645 012 2163	TUNER,U/V			
A102	610 251 5138	ANT MTG BASE-E7AA			
A102B	610 251 4636	ANTENNA TERMINAL			
K1111	645 002 0568	TERMINAL,BOARD			
PS602	408 013 3801	TH PTH451C262BF140M270			
SW1902	645 004 3062	SWITCH,PUSH 1P-1TX1			
SW1903	645 004 3062	SWITCH,PUSH 1P-1TX1			
SW1904	645 004 3062	SWITCH,PUSH 1P-1TX1			

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a  $\Delta$  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
<div>NOTES:</div> <div>Read description in the Capacitor and Resistor as follows:</div> <div>CAPACITOR</div> <div>CERAMIC 100P K 50V</div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div>&lt;</div>					

