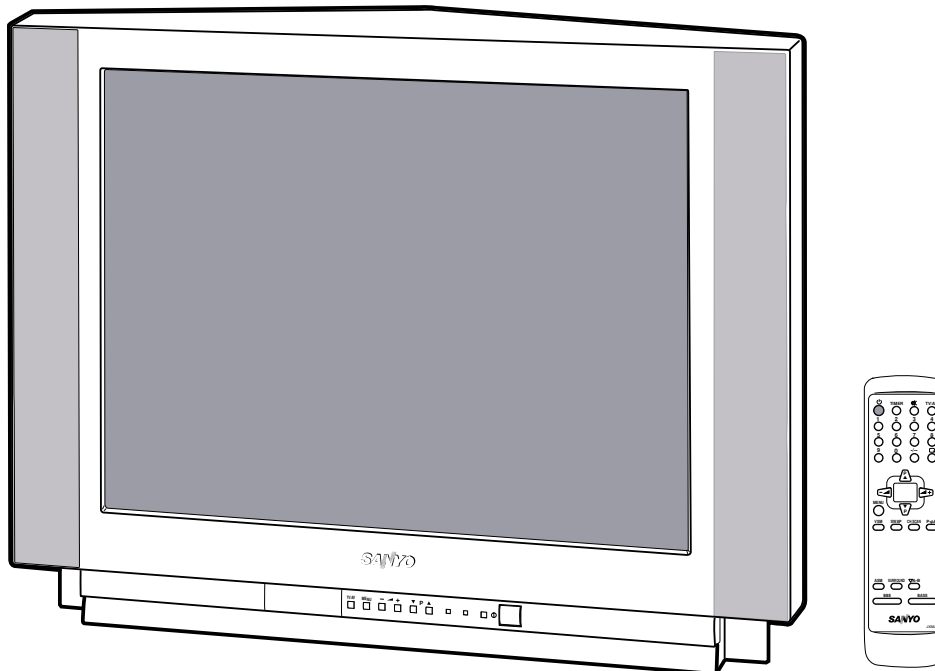


SERVICE MANUAL Colour Television

Model No. CP29AF2

(Australia)

Service Ref. No. CP29AF2-00



Specifications

Power Source AC220–240V, 50/60Hz.
 Colour System PAL (AV input : PAL/NTSC4.43/NTSC/PAL-60Hz)
 Television System B/G
 Channel Coverage **Australian Channels**
 VHF: 0-11, 5A
 UHF: 28-69
 CATV: S1-S41, X, Y, Z, Z+1, Z+2
 New Zealand Channels
 VHF: 1-11
 UHF: 21-69
 CATV: S1-S41, X, Y, Z, Z+1, Z+2
 Video IF 38.0MHz
 Aerial Input Impedance . . 75Ω
 Ext. Terminals
 Video inputs: Phono jack × 3 (1.0Vp–p, impedance 75Ω)
 S-Video input × 1 (Din 4 pin, Separate Y/C Signals Input)
 Audio inputs: Phono jack (R/L) × 3 (436mVrms, impedance more than 40KΩ)
 Video monitor outputs: Phono jack × 1 (1.0Vp–p, 75Ω)
 Audio monitor outputs: Phono jack(R/L) × 1
 (436mVrms, Impedance less than 600Ω)
 Headphone jack: Mini stereo jack × 1
 Speakers 6cm × 12cm × 2
 Sound Output (Music) . . . 7.5W + 7.5W
 Dimensions 750(W) × 583(H) × 503(D)mm
 Weight approx. 46.8 Kg

Specifications subject to change without notice

C2SY

Product Code: 1 113 516 18

Original Version

Chassis Series: FA1

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.

Contents

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IC Block Diagrams	5-8
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Service Adjustments with replacing Memory IC (IC802)	10-12
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Cabinet Parts List	18
Chassis Electrical Parts List	19-32

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. | |

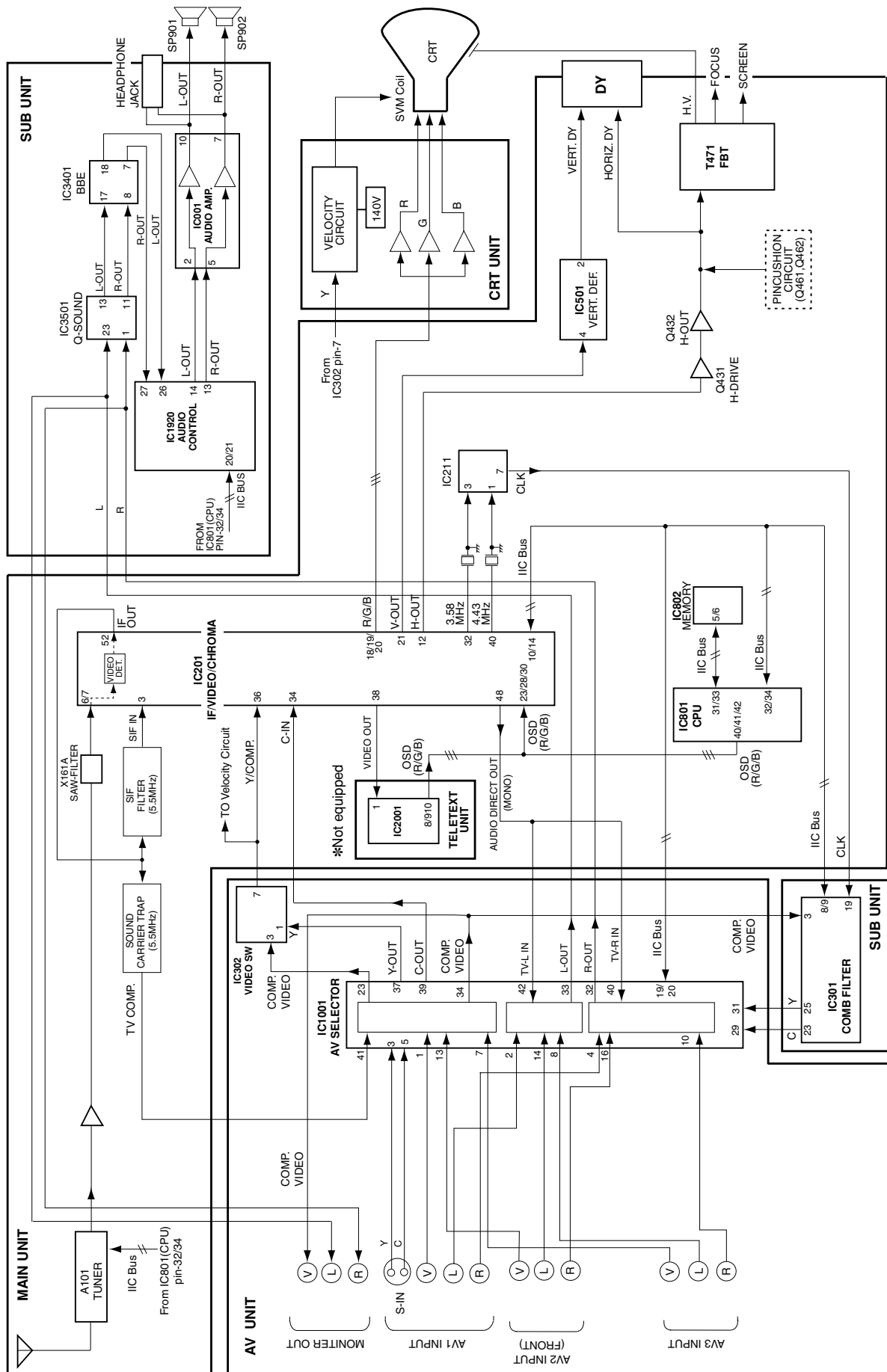
X-RADIATION PRECAUTION

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.

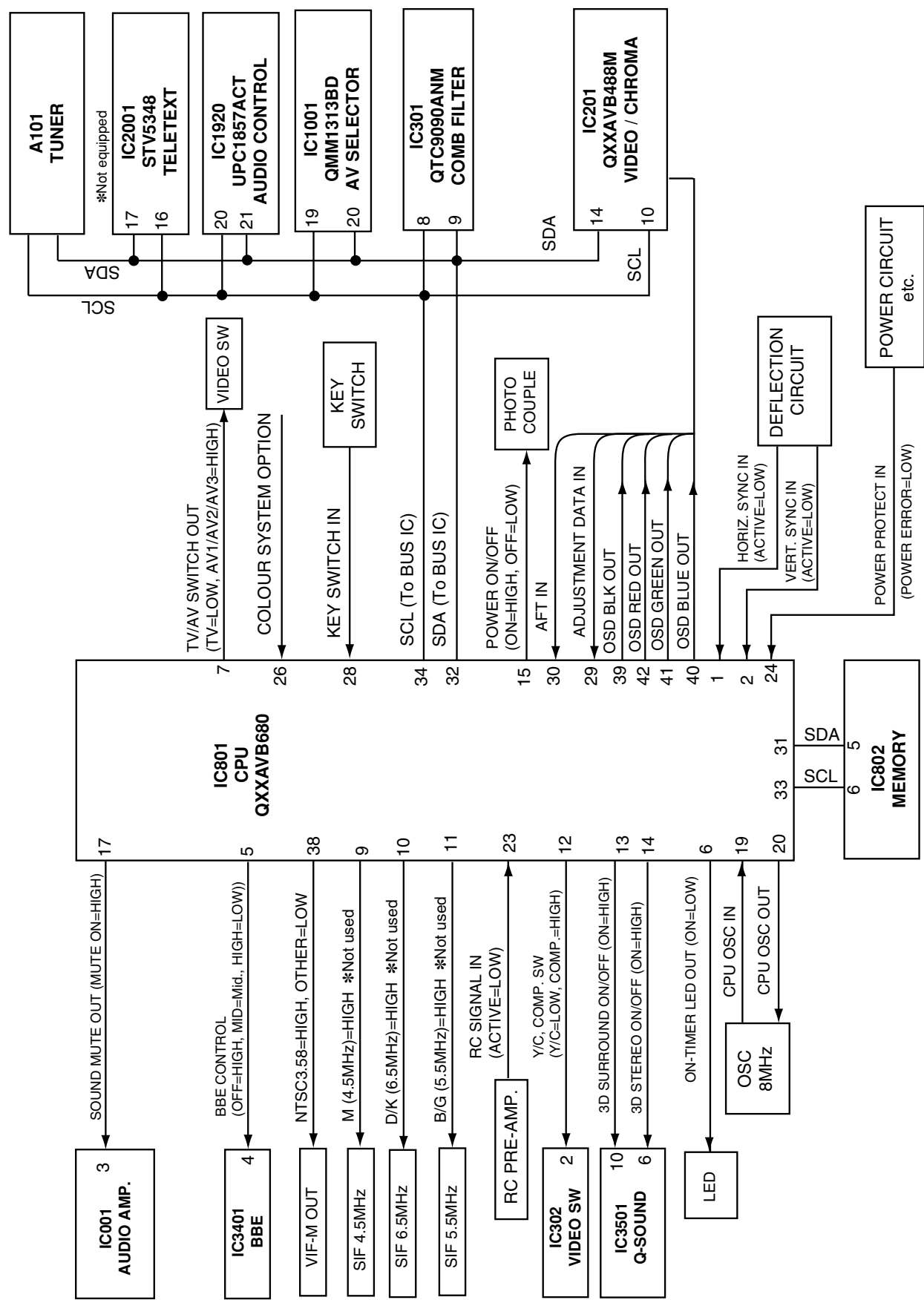
PRODUCT SAFETY NOTICE

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 (MAIN SIGNAL PROCESSING CIRCUIT)

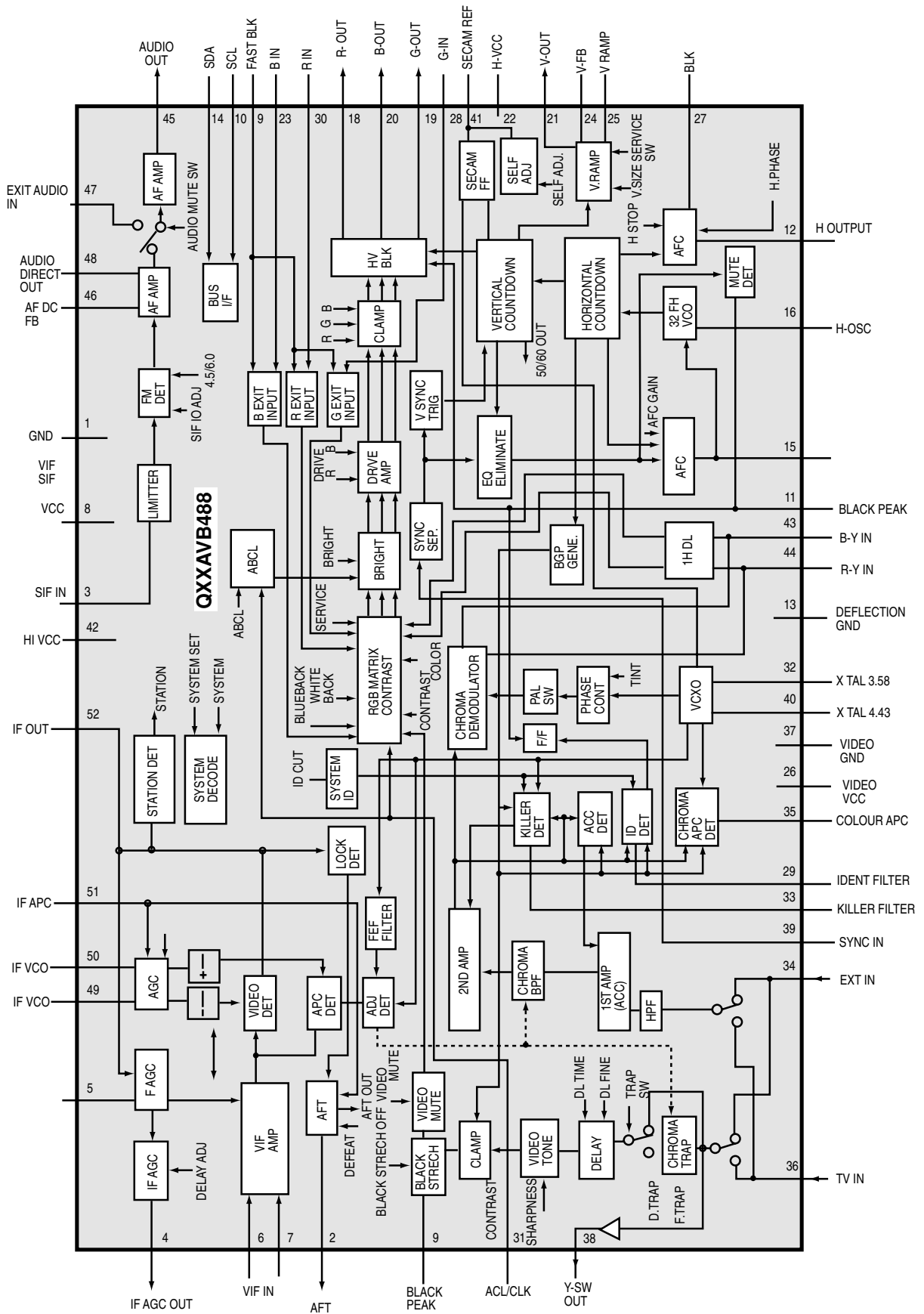


Chassis Block Diagrams (SYSTEM CONTROL)



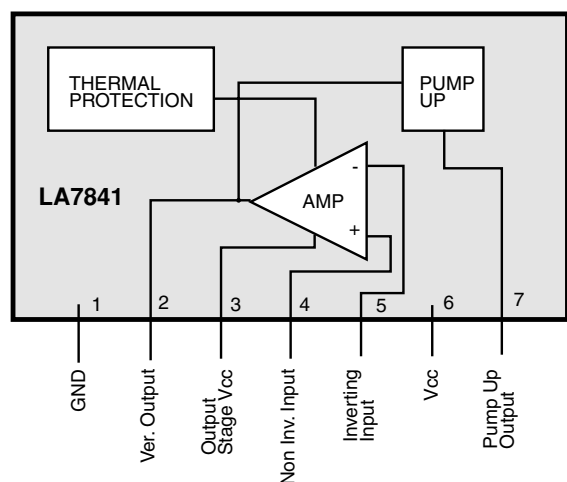
IC Block Diagrams

IC201 < IF/Video/Chroma > QXXAVB488

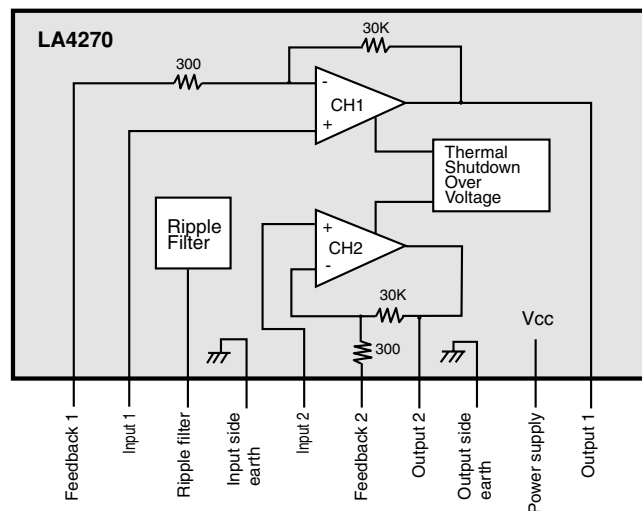


IC Block Diagrams

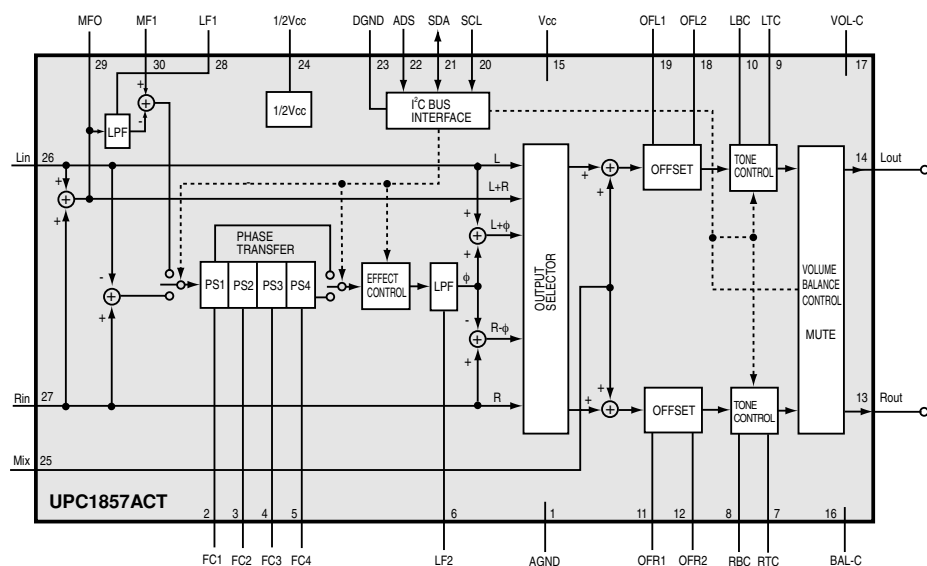
IC501 < Vertical Output > LA7841



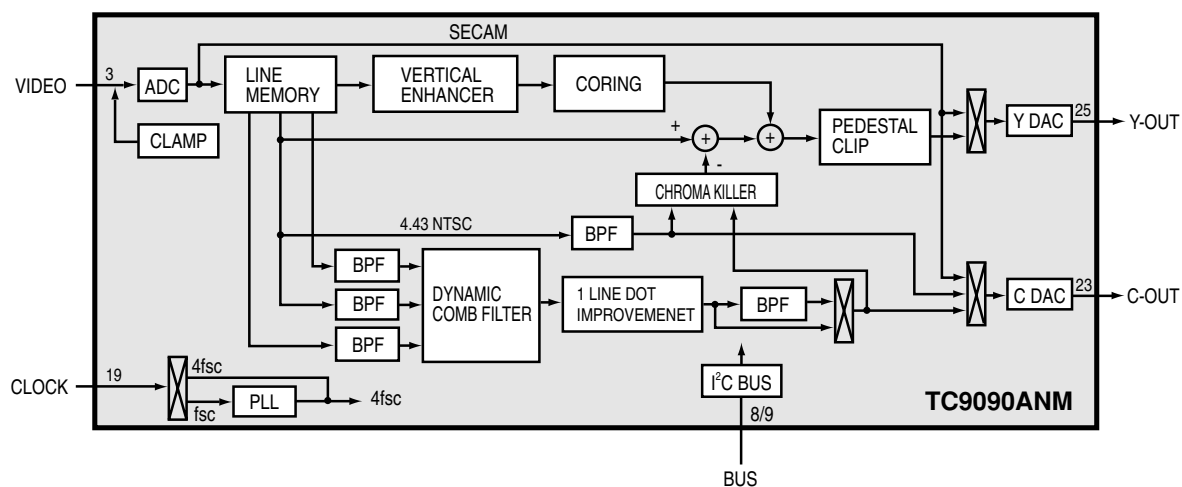
IC001 < Sound Output > LA4270



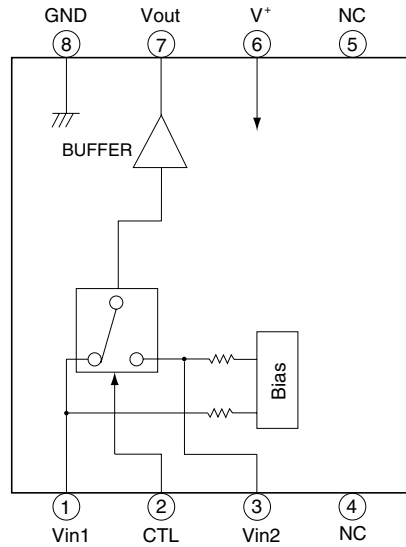
IC1920 <Audio Control> UPC1857ACT



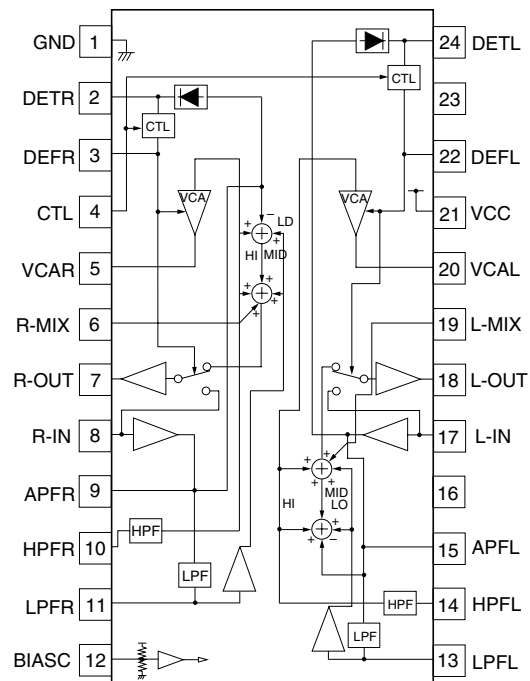
IC301 <COMB Filter> TC9090ANM



IC211, IC302 QNJM2233BD

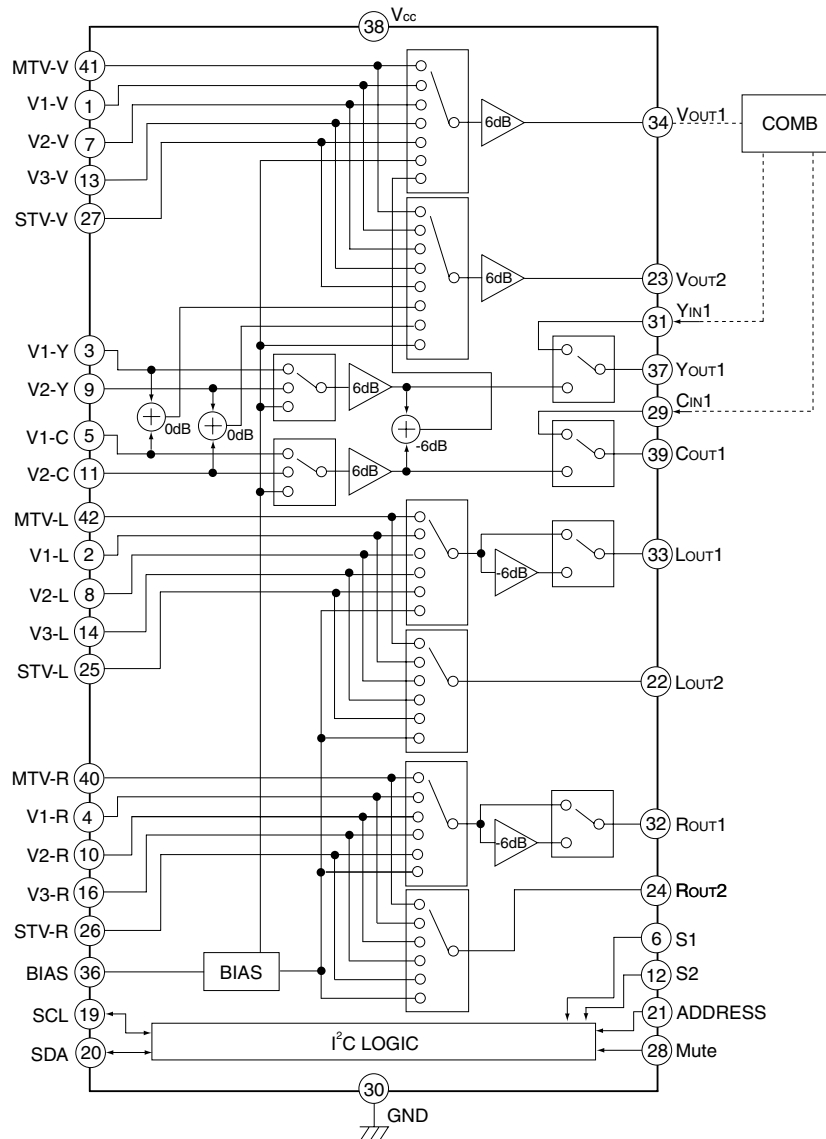


IC3401 <BBE> QBA3880AFS

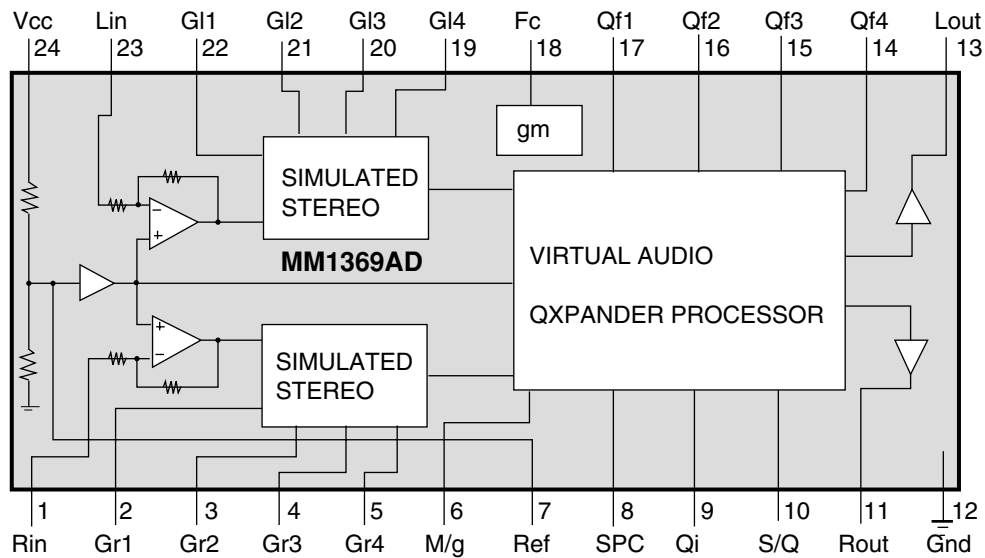


IC Block Diagrams

IC1001 < AV Selector > MM1313BD

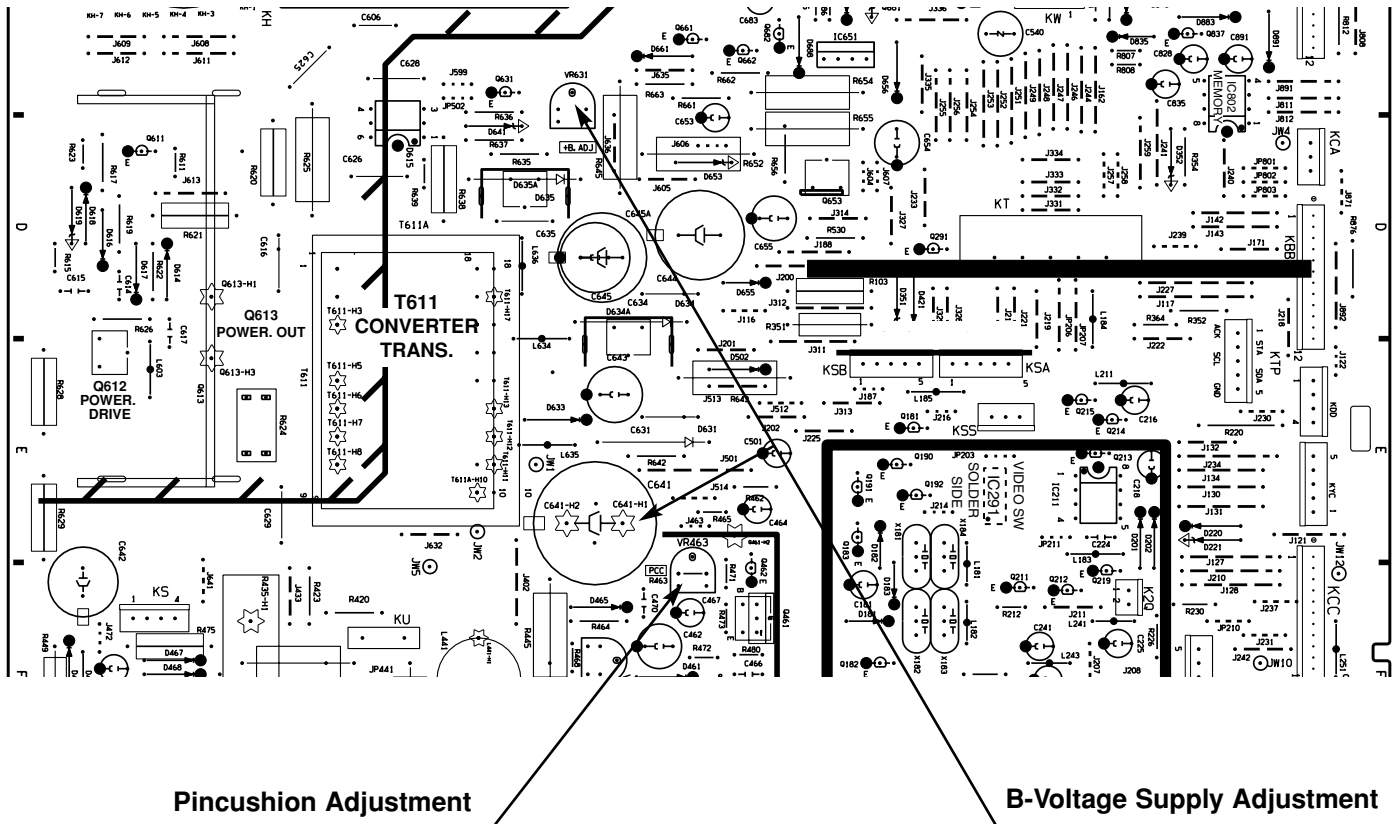


IC3501 < 3D Surround Processor > MM1369



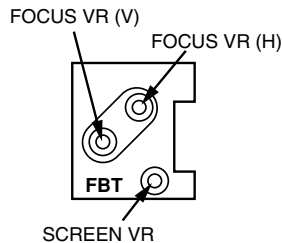
Service Adjustments

MAIN BOARD



FOCUS ADJUSTMENT

- (1) Receive PAL cross hatch pattern.
- (2) Select "DYNAMIC" picture mode with the remote control **VSM (Video Status Memory)** button.
- (3) Adjust the focus control VR(H) for the best focus vertical line on the screen center.
- (4) Adjust the focus control VR(V) for the best focus horizontal line on the top of the screen.
- (5) Readjust the focus of the items (3) and (4).

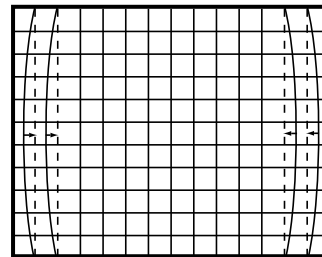


B-VOLTAGE SUPPLY ADJUSTMENT

- (1) Connect DC meter to C641(+ side) and the ground.
- (2) Tune the receiver to an active channel and synchronized picture. Select DYNAMIC picture mode by pressing the **VSM (Video Status Memory)** button on the remote control.
- (3) Adjust B-voltage to be 140 ± 0.5 volt DC by using VR631.

PINCUSHION ADJUSTMENT

- (1) Receive the cross hatch pattern signal.
- (2) Adjust so that the vertical lines to become straight by using VR463.



HIGH VOLTAGE CHECK

- (1) Receive the monochrome circular pattern.
- (2) Set the brightness and contrast to maximum.
- (3) Connect a high voltage probe to anode lead of the picture tube.
- (4) The high voltage must be $30.5KV \pm 1KV$ and less than 33KV at 0 beam current (Brightness and contrast minimum settings).

NOTE:

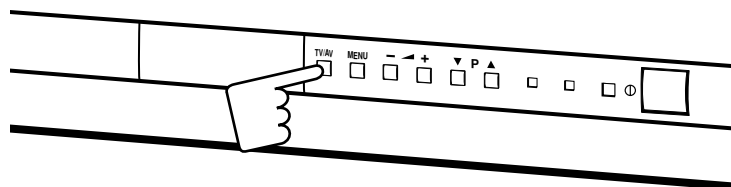
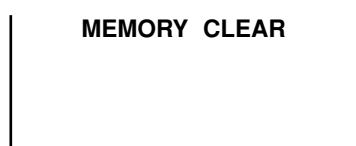
If the picture tube is replaced, check the high voltage.

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].

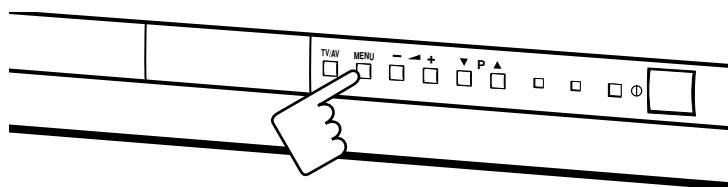
[1] Initializing Procedure

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



Press and hold for more than 2 seconds

4. Press the **MENU button** 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
- Language : English
- AV status : When the memory IC replaced, the CPU writes the initial value of the AV Status to the replaced memory IC as shown in below table.

Video Status

ITEM	PERSONAL	DYNAMIC	NATURAL	ECO	GAME
COLOUR	34/63	34/63	34/63	31/63	28/63
BRIGHTNESS	33/63	33/63	36/63	33/63	33/63
CONTRAST	63/63	63/63	63/63	40/63	50/63
TINT	31/63	31/63	31/63	31/63	31/63
SHARPNESS	31/63	54/63	31/63	24/63	31/63

Audio Status

ITEM	PERSONAL	MUSIC	TALK	NORMAL
BASS	7/15	12/15	4/15	7/15
TERBLE	7/15	12/15	12/15	7/15

Service Adjustments with Replacing Memory IC(IC802)

[2] Required Service Adjustments

Readjust the following service adjustments.

<u>Adjustments</u>	<u>Service Mode No. & Item</u>
Horizontal centre adjustment	Item 01, H-P
Vertical centre adjustment	Item 02, V-P
Vertical size adjustment	Item 03, V-S
OSD position adjustment	Item 04, OSD
RF AGC adjustment	Item 05, AGC
AFT adjustment	Item 06, VCO
SIF adjustment	Item 07, SIF
Grey scale adjustment	Item 18-24, DRV

Further adjustment please refer to page 13 and 14.

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	INITIAL VALUE	RANGE OF DATA	FUNCTION	NO.	ITEM	INITIAL VALUE	RANGE OF DATA	FUNCTION
01	H-P	08	00-15	H-Phase (H-Centering) Adjustment	21	RD	64	00-127	Red Drive Adjustment
02	V-P	02	00-07	V-Position (V-Centering) Adjustment	22	BD	64	00-127	Blue Drive Adjustment
03	V-S	70	00-127	V-Size Adjustment	23	DRV	-	-	Drive Adjustment
04	OSD	01	00-15	OSD H-Position Adjustment	24	1 LINE	-	-	Screen Adjustment
05	AGC	64	00-127	RF AGC Adjustment	25	Y/C	11	10,11	Y/C Separation
06	VCO	128	00-255	VCO (AFT) Adjustment	26	VCON	10	00-63	AV mode contrast under the no signal condition
07	SIF	00	00-03	SIF VCO Adjustment	27	VBRI	20	00-63	AV mode brightness under the no signal condition
08	SELF	00	00-15	Self Adjustment Mode Setting	28	DCOL	115	00-255	DVD Colour Adjustment
09	DLT	02	00-03	DL Time Adjustment	29	DTIN	05	-32 - +32	DVD Tint Offset
10	DL F	01	00, 01	DL Fine Adjustment	30	DPLC	18	-127 - +127	DVD PAL Colour differential value
11	B-ST	00	00, 01	Black Stretch On/Off Setting	31	DPLT	15	-63 - +63	DVD PAL Tint differential value
12	ABCL	01	00, 01	ABCL	32	DVD-F	00	00-01	Manufacturing process flag for DVD
13	AB-G	00	0, 01	ABCL Gain	33	HDL-F	00	00-01	1-HDL through flag
14	TRAP	03	00-03	Trap Frequency Adjustment	34	MAT-F	00	00-01	MAT switching flag
15	WBK	00	00, 01	White Back Setting	35	NICAM	00	00-01	NICAM/A2 carrier setting
16	BBK	00	00, 01	Blue Back Setting	36	COFF	00	00-03	DVD 1 chip colour adjustment
17	AFCG	02	00-02	AFC Gain Adjustment	37	BBE-M	128	00-255	BBE MID level adjustment
18	RBI	00	00-255	Red Bias Adjustment	38	BBE-H	00	00-255	BBE HIGH level adjustment
19	GBI	00	00-255	Green Bias Adjustment	39	ENH	00	00-01	Y/C IC emphasis setting
20	BBI	00	00-255	Blue Bias Adjustment	40	OPT	255	00-255	Option setting
					100	R00	FF	00-FFh	CPU Debug Data
					⋮	⋮	⋮	⋮	⋮
					171	R71	FF	00-FFh	CPU Debug Data
					172	R72	FF	00-FFh	Check Code

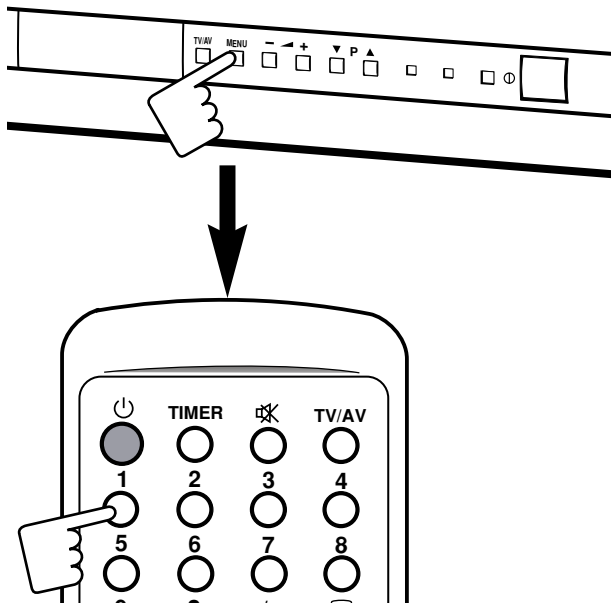
Notes:

- + The initial value that the CPU writes down the CPU ROM data to the memory when replaced the memory IC. TV set may not operate correctly with this initial value. It is required to set up the fine adjustment for service adjustments described in the above.

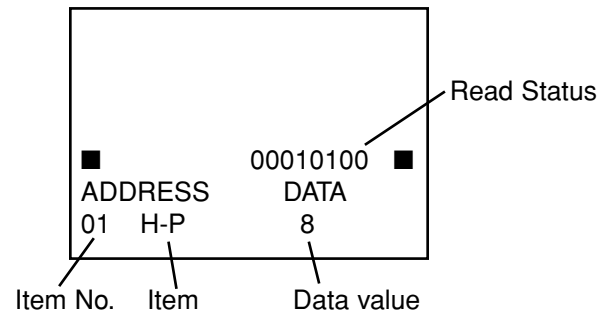
Service Adjustments with Replacing Memory IC(IC802)

[Entering to Service Mode]

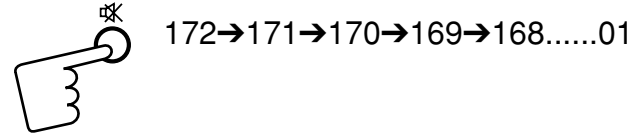
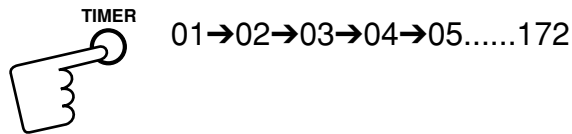
1. Press and hold the **MENU** button on the TV set and press the **[1]** button on the remote control handset. Following setting items appears on the screen.



Display for [H-P] Horizontal centre adjustment

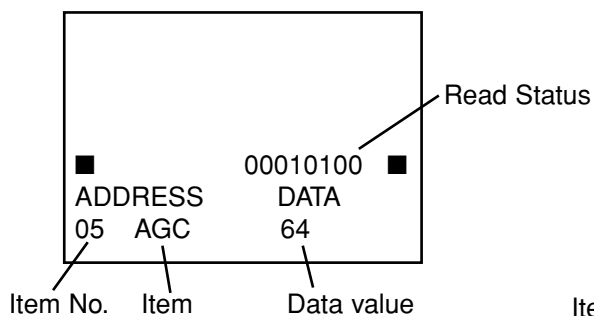


2. Select item by pressing the **TIMER** (Item No. UP) or **SOUND MUTE** (Item No. DOWN) button on the remote control handset.

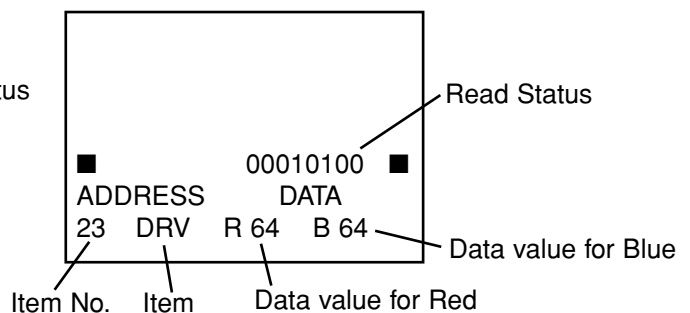


Example

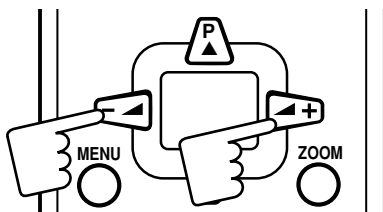
Display for [AGC] AGC adjustment



Display for [DRV] White balance adjustment



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



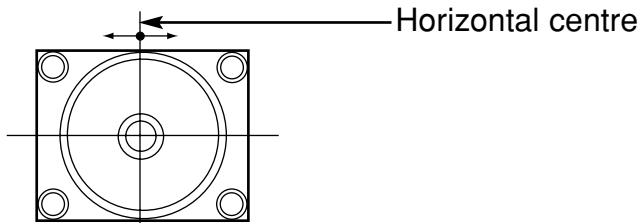
To return to normal TV mode, press the **MENU** button on the TV set or remote control handset.

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.

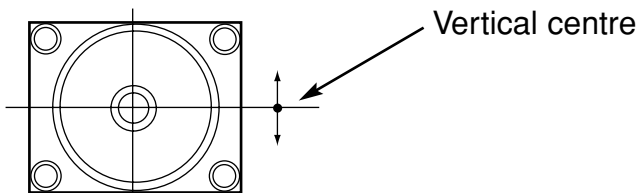
Item 01 [H-P] HORIZONTAL CENTRE

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



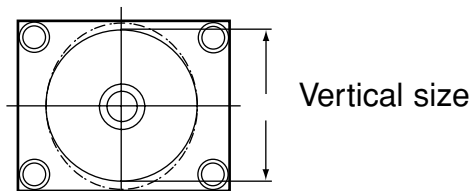
Item 02 [V-P] VERTICAL CENTRE

- (1) Receive the monochrome circular pattern.
- (2) Set the brightness and contrast to maximum.
- (3) Select [V-P] in the service mode.
- (4) Change value to be optimum vertical centre position.
- (5) Exit from the service mode.



Item 03 [V-S] VERTICAL SIZE

- (1) Receive the monochrome circular pattern.
- (2) Set the brightness and contrast to maximum.
- (3) Select [V-S] in the service mode.
- (4) Change value to be optimum vertical size.
- (5) Exit from the service mode.



Item 04 [OSD] OSD POSITION

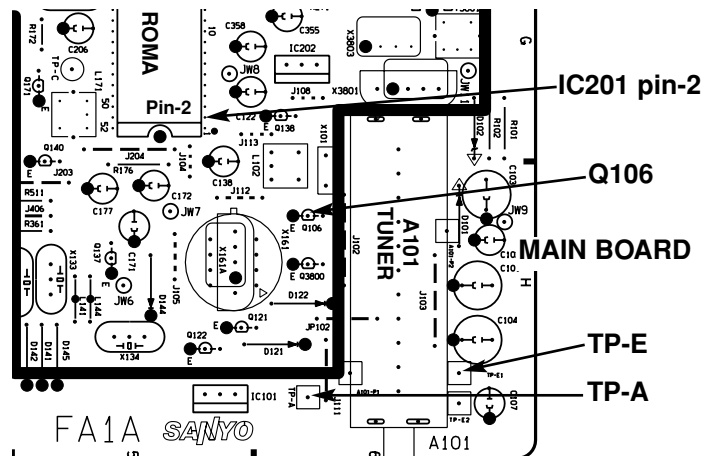
- (1) Receive the monochrome circular pattern.
- (2) Set the brightness and contrast to normal.
- (3) Select [OSD] in the service mode.
- (4) Change value to be proper OSD position.
- (5) Exit from the service mode.

Item 05 [AGC] AGC

NOTE: Do not attempt this adjustment with weak signal.

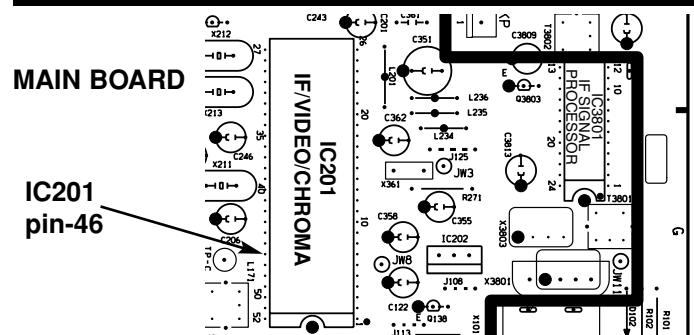
- (1) Tune the receiver to most clearest (or strongest) VHF station in your area. Set the brightness and contrast controls to maximum. Set the colour control to minimum.
- (2) Select [AGC] in the service mode.
- (3) Change value until the snow noise just disappears.

Item 06 [VCO] AFT



- (1) Input the SG signal to collector of Q106.
SG signal frequency : 38.0MHz
SG signal level : 70 dB~75dB
SG signal : COLOUR bar
- (2) Connect a short clip between the base of Q106 and ground. Connect a short clip between TP-A and TP-E.
- (3) Connect oscilloscope to pin 2 of IC201.
- (4) Select [VCO] in the service mode.
- (5) Change value until the voltage to be $4.5 \pm 1.0V$.
- (6) Exit from the service mode.

Item 07 [SIF] SIF



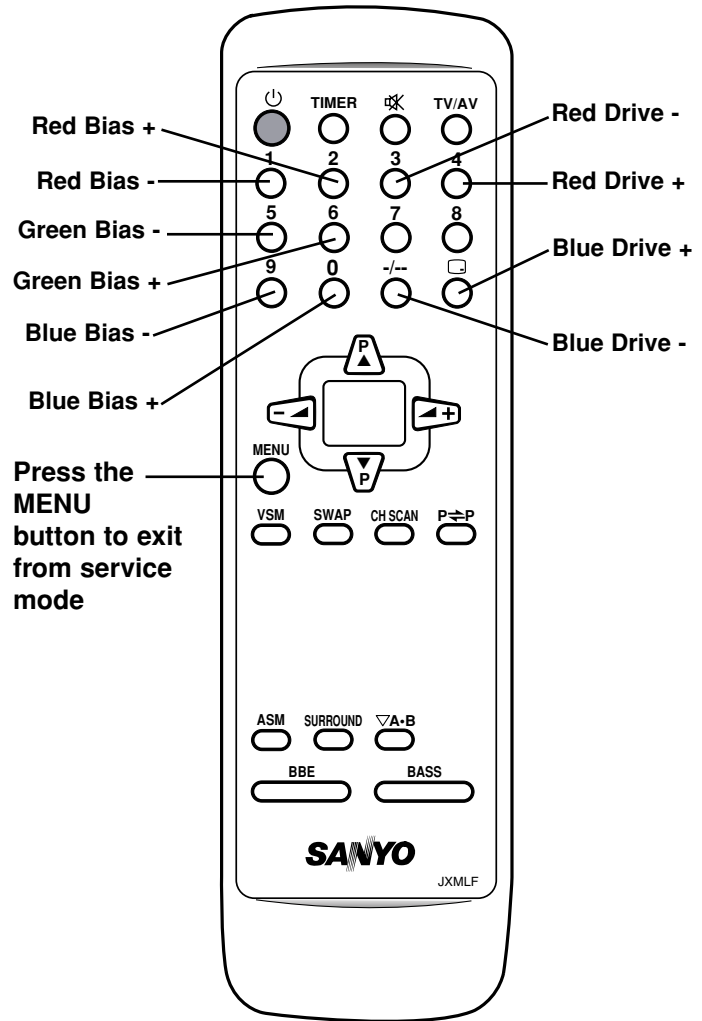
- (1) Tune the receiver to the clearest station with System B/G(5.5MHz) in your area.
- (2) Connect DC voltmeter to pin 46 of IC201 and ground.
- (3) Select [SIF] in the service mode.
- (4) Change value until the voltage to be about 3.0V.
- (5) Exit from the service mode.

Service Mode Adjustments

Items 18 - 24 GREY SCALE

- (1) Receive the monochrome circular pattern.
- (2) Set the brightness and colour to normal, contrast to maximum.
- (3) Enter to the service mode.
- (4) Select No. 18 RBI (Red Bias), No. 19 GBI (Green Bias), and No. 20 BBI (Blue Bias) and set each data to 0 with + or - key.
- (5) Select No. 21 RD (Red Drive) and No. 22 BD (Blue Drive) and set each data to 64 with + or - key.
- (6) Turn Screen Control (T471) to minimum (fully counter-clock-wise).
- (7) Select the TV Service Menu No. 24 (Screen Adjustments).
- (8) Advance Screen Control (T471) clockwise to obtain just visible one color 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 the TV Service Menu No. 23 DRV (Drive Adjustments).
- (11) Adjust Red and Blue Drive Levels alternately with 3, 4, -/-- or RECALL key to produce normal black and 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 Grayscale Adjustment is made after picture tube replacement, check High Voltage



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 24 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 15 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.

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 magnet tabs or the forward-back position of the deflection yoke, or change the attachment positions of the correction magnets.

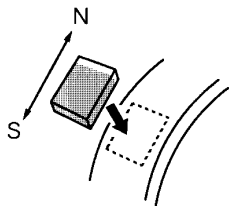


Figure 1

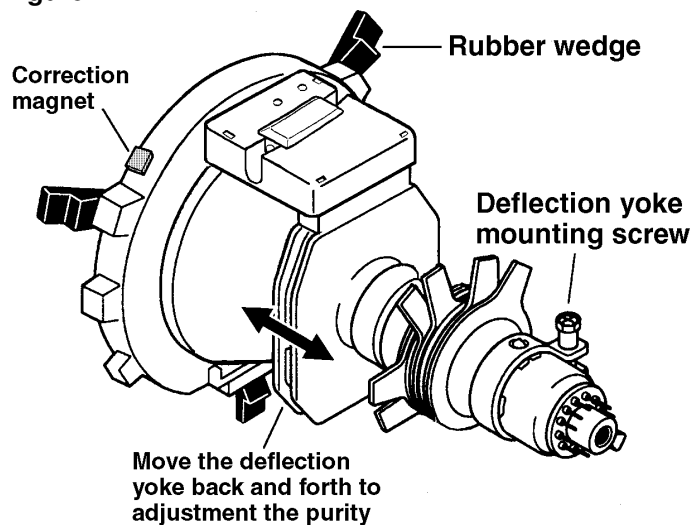


Figure 2

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

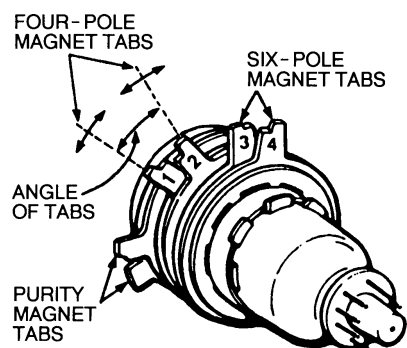


Figure 3

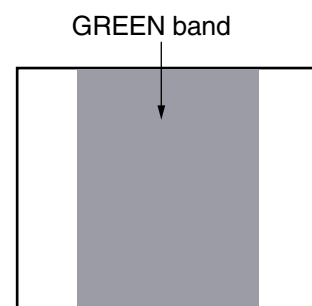
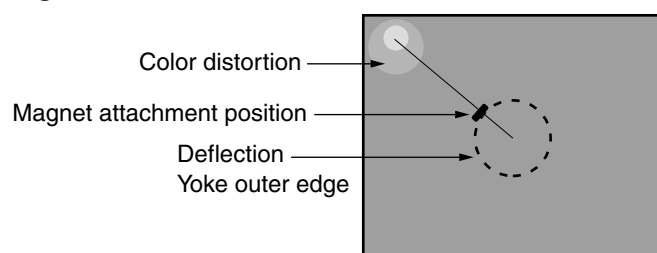


Figure 4



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 YH 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 YHC 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

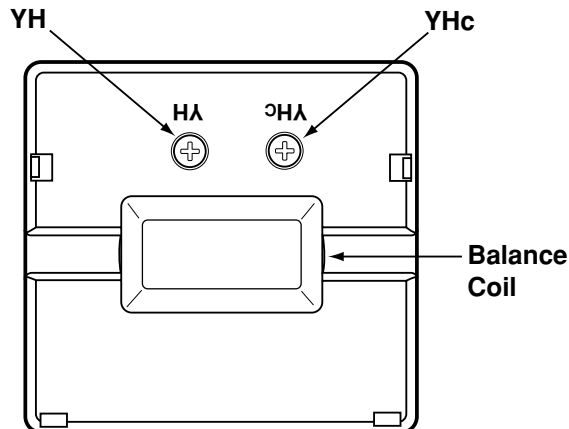


Figure 5

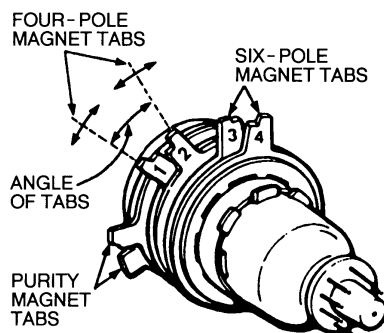
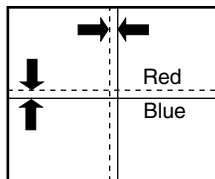
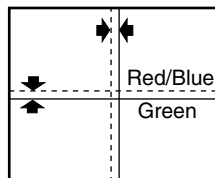


Figure 6



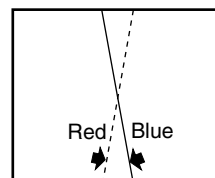
Adjust the angle rotation of tabs (1) and (2) to align the vertical and horizontal lines.

Figure 7



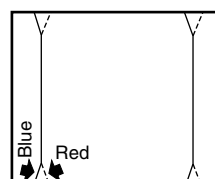
Adjust the angle and rotation of tabs (3) and (4) to align the vertical and horizontal lines.

Figure 9



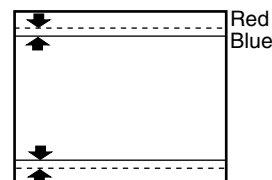
Use the YH control to correct.

Figure 10



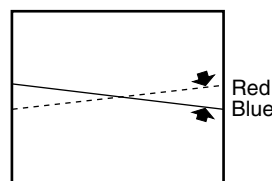
Use the YHC control to correct.

Figure 11



Rotate the DY to correct.

Figure 12



Use the Balance coil to correct

Mechanical Disassemblies

CABINET BACK REMOVAL

1. Refer to Figure 1, remove 12 screws.
2. Pull off cabinet back and remove.

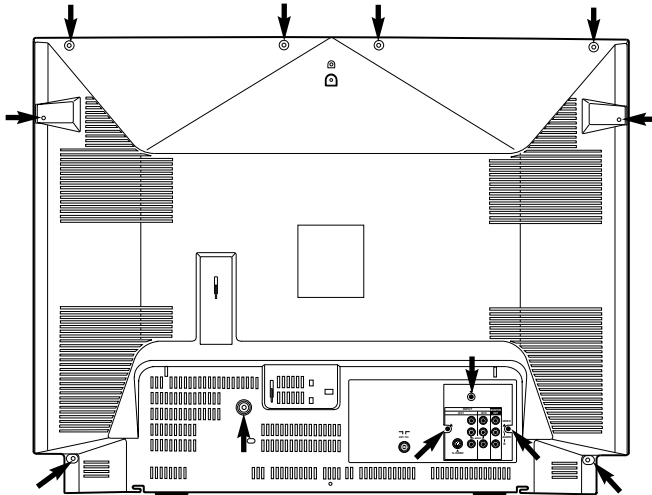


Figure 1. Cabinet Back Removal

CHASSIS REMOVAL

1. Remove cabinet back.
2. Discharge the picture tube anode (2nd anode lead) to the dag coating (picture tube grounding lead).
3. Disconnect Degaussing coil socket (KE), Picture tube socket, Deflection yoke connector (KDY), Speaker connectors (KL and KR), and 2nd anode lead.
4. Remove chassis completely by sliding it 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 to the coating before handling the tube.

1. Remove chassis, referring to Chassis Removal instructions.
2. Place cabinet's front face down on the soft surface.
3. Remove the screw on each corner of the picture tube and GENTLY lift the picture tube out of the cabinet.
4. Install a replacement picture tube in reverse order. Properly install the degaussing coil and picture tube grounding lead on the picture tube. See Figure 2.

Note: If the Picture Tube is being replaced, mount the Degaussing Coil on the picture tube. See Figure 2.

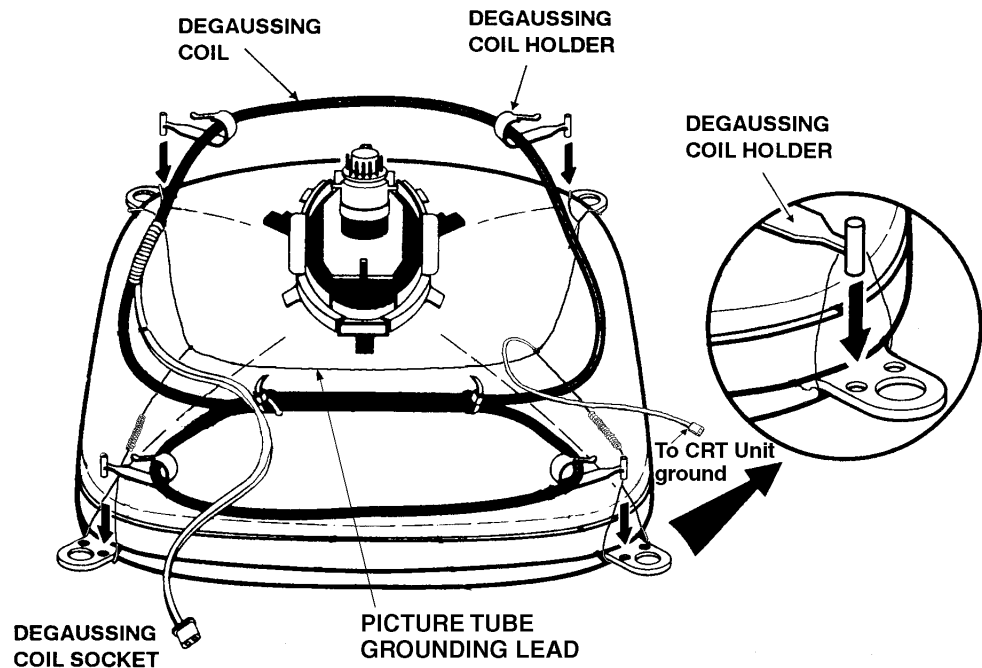
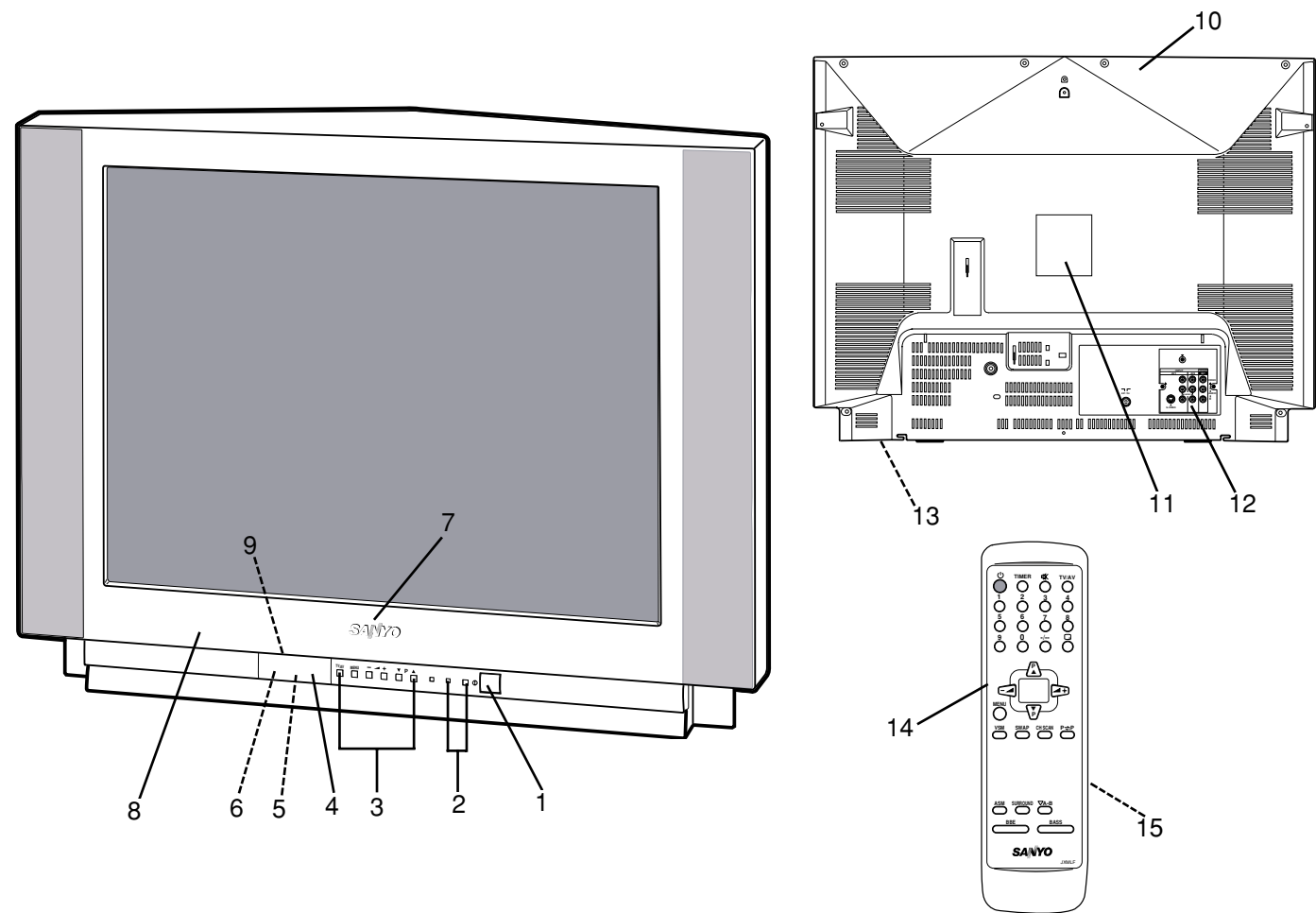


Figure 2. Picture Tube Removal

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



Key No.	Part No.	Description	Key No.	Part No.	Description
1	610 284 7628	ASSY,BUTTON POWER			
	610 229 8406	SPRING			
2	610 284 7758	DEC IND			
3	610 284 7635	ASSY,BUTTON UNIT			
4	610 284 7734	DOOR			
5	610 284 7741	DOOR COVER			
6	610 284 7765	DEC SHEET DOOR			
7	645 040 4672	BADGE,SANYO			
or	645 041 7269	BADGE,SANYO			
8	610 291 6065	CABINET FRONT			
9	610 284 7833	SPRING PLATE			
10	610 284 6041	CABINET BACK			
11	610 299 8535	LABEL RATING			
12	610 284 7772	DEC SHEET REAR			
13	610 256 7670	AC CORD HOLDER			
14	645 053 8414	ASSY,REMOCON JXMLF			
15	610 284 7277	RC-BATTERY LID			
	610 299 3790	INSTRUCTIONS MANUAL			

Chassis Electrical Parts List

C2SY

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
NOTES: Read description in the Capacitor and Resistor as follows: CAPACITOR CERAMIC 100P K 50V _____ Rated Voltage 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 : $\pm 80\text{-}20\%$ _____ Rated value: P=pico farad, U=micro farad Material: 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			OUT OF CIRCUIT BOARD PICTURE TUBE Δ Q901 414 011 6508 ASSY,CRT A68QCU259X65 Q901A 645 041 5692 MAGNET,CG.PR Q901B1 610 233 7891 DY SPACER E2HA 610 290 4154 DY SPACER-F8LZ Q901B2 610 233 7891 DY SPACER E2HA 610 290 4154 DY SPACER-F8LZ Q901B3 610 233 7891 DY SPACER E2HA 610 290 4154 DY SPACER-F8LZ Q901B4 610 233 7891 DY SPACER E2HA 610 290 4154 DY SPACER-F8LZ COIL Δ L901 645 040 0261 COIL,DEGAUSSING MISCELLANEOUS SP901 645 002 4313 SPEAKER, 8 SP902 645 002 4313 SPEAKER, 8 Δ W901 645 024 6647 CORD, POWER 645 048 2113 CORD, POWER W903 610 283 5311 ASSY,WIRE GND CONNECTOR C 610 283 7155 ASSY,WIRE GND CONNECTOR C		
RESISTOR CARBON 4.7K J A 1/4W _____ Rated Wattage Performance Symbols: A: General B: Non flammable Z: Low noise Other: Temperature coefficient 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: $\pm 5\text{-}15\%$ _____ Rated value, ohms: K: 1,000, M: 1,000,000 Material: 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			610 285 9911 ASSY, PWB, SUB C2SYT 1AA0B10E600G0 TRANSISTOR Q001 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-O 405 012 2309 TR 2SC1815-Y 405 157 0505 TR 2SC536NF-NPA 405 151 8705 TR 2SC536NG-NPA 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA Q1901 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-O 405 012 2309 TR 2SC1815-Y 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA Q300 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-O 405 012 2309 TR 2SC1815-Y 405 157 0505 TR 2SC536NF-NPA 405 151 8705 TR 2SC536NG-NPA		

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q304	405 020 7501	TR 2SC945A-PA	Q315	405 011 8500	TR 2SC1740S-R
	405 020 7709	TR 2SC945A-QA		405 011 8609	TR 2SC1740S-S
	405 020 7907	TR 2SC945A-RA		405 012 2002	TR 2SC1815-GR
	405 011 8401	TR 2SC1740S-Q		405 012 2101	TR 2SC1815-O
	405 011 8500	TR 2SC1740S-R		405 012 2309	TR 2SC1815-Y
	405 011 8609	TR 2SC1740S-S		405 157 0505	TR 2SC536NF-NPA
	405 012 2002	TR 2SC1815-GR		405 151 8705	TR 2SC536NG-NPA
	405 012 2101	TR 2SC1815-O		405 020 7501	TR 2SC945A-PA
	405 012 2309	TR 2SC1815-Y		405 020 7709	TR 2SC945A-QA
	405 157 0505	TR 2SC536NF-NPA		405 020 7907	TR 2SC945A-RA
Q306	405 151 8705	TR 2SC536NG-NPA	Q316	406 000 6804	TR 2SA1015-G (SAN) -TPE2
	405 020 7501	TR 2SC945A-PA		405 001 7407	TR 2SA1015-O (SAN)
	405 020 7709	TR 2SC945A-QA		405 001 7605	TR 2SA1015-Y (SAN)
	405 020 7907	TR 2SC945A-RA		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		405 011 8401	TR 2SC1740S-Q
	405 012 2309	TR 2SC1815-Y		405 011 8500	TR 2SC1740S-R
Q307	405 157 0505	TR 2SC536NF-NPA	Q342	405 011 8609	TR 2SC1740S-S
	405 151 8705	TR 2SC536NG-NPA		405 012 2002	TR 2SC1815-GR
	405 020 7501	TR 2SC945A-PA		405 012 2101	TR 2SC1815-O
	405 020 7709	TR 2SC945A-QA		405 012 2309	TR 2SC1815-Y
	405 020 7907	TR 2SC945A-RA		405 157 0505	TR 2SC536NF-NPA
	405 011 8401	TR 2SC1740S-Q		405 151 8705	TR 2SC536NG-NPA
	405 011 8500	TR 2SC1740S-R		405 020 7501	TR 2SC945A-PA
	405 011 8609	TR 2SC1740S-S		405 020 7709	TR 2SC945A-QA
	405 012 2002	TR 2SC1815-GR		405 020 7907	TR 2SC945A-RA
	405 012 2101	TR 2SC1815-O	Q3505	405 011 8401	TR 2SC1740S-Q
Q309	405 012 2309	TR 2SC1815-Y		405 011 8500	TR 2SC1740S-R
	405 157 0505	TR 2SC536NF-NPA		405 011 8609	TR 2SC1740S-S
	405 151 8705	TR 2SC536NG-NPA		405 012 2002	TR 2SC1815-GR
	405 020 7501	TR 2SC945A-PA		405 012 2101	TR 2SC1815-O
	405 020 7709	TR 2SC945A-QA		405 012 2309	TR 2SC1815-Y
	405 020 7907	TR 2SC945A-RA		405 157 0505	TR 2SC536NF-NPA
	405 011 8401	TR 2SC1740S-Q		405 151 8705	TR 2SC536NG-NPA
	405 011 8500	TR 2SC1740S-R		405 020 7501	TR 2SC945A-PA
	405 011 8609	TR 2SC1740S-S		405 020 7709	TR 2SC945A-QA
	405 012 2002	TR 2SC1815-GR	Q3506	405 020 7907	TR 2SC945A-RA
Q312	405 012 2101	TR 2SC1815-O		405 011 8401	TR 2SC1740S-Q
	405 012 2309	TR 2SC1815-Y		405 011 8500	TR 2SC1740S-R
	405 157 0505	TR 2SC536NF-NPA		405 011 8609	TR 2SC1740S-S
	405 151 8705	TR 2SC536NG-NPA		405 012 2002	TR 2SC1815-GR
	405 020 7501	TR 2SC945A-PA		405 012 2101	TR 2SC1815-O
	405 020 7709	TR 2SC945A-QA		405 012 2309	TR 2SC1815-Y
	405 020 7907	TR 2SC945A-RA		405 157 0505	TR 2SC536NF-NPA
	406 000 6804	TR 2SA1015-G (SAN) -TPE2		405 151 8705	TR 2SC536NG-NPA
	405 001 7407	TR 2SA1015-O (SAN)	Q3521	405 020 7501	TR 2SC945A-PA
	405 001 7605	TR 2SA1015-Y (SAN)		405 020 7709	TR 2SC945A-QA
Q313	405 004 3109	TR 2SA564A-Q (CU)		405 020 7907	TR 2SC945A-RA
	405 004 3208	TR 2SA564A-R (CU)		405 011 8401	TR 2SC1740S-Q
	405 151 3304	TR 2SA608NF-NPA		405 011 8500	TR 2SC1740S-R
	405 006 1707	TR 2SA933S-Q		405 011 8609	TR 2SC1740S-S
	405 006 1806	TR 2SA933S-R		405 012 2002	TR 2SC1815-GR
	405 011 8401	TR 2SC1740S-Q		405 012 2101	TR 2SC1815-O
	405 011 8500	TR 2SC1740S-R		405 012 2309	TR 2SC1815-Y
	405 011 8609	TR 2SC1740S-S		405 157 0505	TR 2SC536NF-NPA
	405 012 2002	TR 2SC1815-GR		405 151 8705	TR 2SC536NG-NPA
	405 012 2101	TR 2SC1815-O	Q314	405 020 7501	TR 2SC945A-PA
Q314	405 012 2309	TR 2SC1815-Y		405 020 7709	TR 2SC945A-QA
	405 157 0505	TR 2SC536NF-NPA		405 020 7907	TR 2SC945A-RA
	405 151 8705	TR 2SC536NG-NPA		405 011 8401	TR 2SC1740S-Q
	405 020 7501	TR 2SC945A-PA		405 011 8500	TR 2SC1740S-R
	405 020 7709	TR 2SC945A-QA		405 011 8609	TR 2SC1740S-S
	405 020 7907	TR 2SC945A-RA		405 012 2002	TR 2SC1815-GR
	405 011 8401	TR 2SC1740S-Q		405 012 2101	TR 2SC1815-O

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q3522	405 012 2309	TR 2SC1815-Y	C1929	403 049 9803	ELECT 2.2U M 50V
	405 157 0505	TR 2SC536NF-NPA	C1931	403 157 6800	CERAMIC 680P K 50V
	405 151 8705	TR 2SC536NG-NPA	C1932	403 215 2201	CERAMIC 0.01U K 50V
	405 020 7501	TR 2SC945A-PA	C1933	403 043 9106	ELECT 47U M 16V
	405 020 7709	TR 2SC945A-QA	C1934	403 086 3802	NP-ELECT 10U M 50V
	405 020 7907	TR 2SC945A-RA	C1935	403 086 3802	NP-ELECT 10U M 50V
	405 011 8401	TR 2SC1740S-Q	C1936	403 049 9803	ELECT 2.2U M 50V
	405 011 8500	TR 2SC1740S-R	C1937	403 048 6308	ELECT 0.47U M 50V
	405 011 8609	TR 2SC1740S-S	C1938	403 049 0008	ELECT 1U M 50V
	405 012 2002	TR 2SC1815-GR	C1939	403 215 2201	CERAMIC 0.01U K 50V
	405 012 2101	TR 2SC1815-O	C1940	403 042 4805	ELECT 1000U M 16V
	405 012 2309	TR 2SC1815-Y	C300	403 041 8804	ELECT 10U M 16V
	405 157 0505	TR 2SC536NF-NPA	C3001	403 041 2109	ELECT 47U M 10V
	405 151 8705	TR 2SC536NG-NPA	C301	403 215 2201	CERAMIC 0.01U K 50V
	405 020 7501	TR 2SC945A-PA	C302	403 043 9106	ELECT 47U M 16V
	405 020 7709	TR 2SC945A-QA	C303	403 041 8804	ELECT 10U M 16V
	405 020 7907	TR 2SC945A-RA	C304	403 008 7406	CERAMIC 10P D 50V
			C305	403 155 4204	CERAMIC 15P J 50V
			C306	403 048 6308	ELECT 0.47U M 50V
			C307	403 215 2201	CERAMIC 0.01U K 50V
			C308	403 041 8804	ELECT 10U M 16V
INTEGRATED CIRCUIT			C310	403 215 2201	CERAMIC 0.01U K 50V
IC001	409 017 7505	IC LA4270	C311	403 215 2201	CERAMIC 0.01U K 50V
IC1920	409 407 4701	IC UPC1857ACT	C312	403 042 2405	ELECT 100U M 16V
IC3001	409 241 5407	IC BA178M05T	C313	403 215 2201	CERAMIC 0.01U K 50V
	409 172 1509	IC MC78M05CT	C315	403 041 8804	ELECT 10U M 16V
	409 320 5700	IC UPC78M05AHF	C316	403 215 2201	CERAMIC 0.01U K 50V
IC301	409 429 6509	IC TC9090AN	C317	403 042 2405	ELECT 100U M 16V
IC3401	409 473 1604	IC BA3880AFS	C319	403 042 2405	ELECT 100U M 16V
IC3501	409 405 6004	IC MM1369BD	C321	403 215 2201	CERAMIC 0.01U K 50V
CAPACITOR			C322	403 215 2201	CERAMIC 0.01U K 50V
C001	403 058 3403	POLYESTER 0.015U K 50V	C323	403 215 2201	CERAMIC 0.01U K 50V
	403 179 3108	POLYESTER 0.015U K 50V	C324	403 157 3106	CERAMIC 56P J 50V
C002	403 058 3403	POLYESTER 0.015U K 50V	C325	403 155 1609	CERAMIC 33P J 50V
	403 179 3108	POLYESTER 0.015U K 50V	C326	403 215 2201	CERAMIC 0.01U K 50V
C003	403 113 4109	CERAMIC 2200P K 50V	C328	403 367 0407	CERAMIC 0.1U K 50V
C004	403 113 4109	CERAMIC 2200P K 50V	C330	403 215 2201	CERAMIC 0.01U K 50V
C005	403 086 2300	NP-ELECT 1U M 50V	C331	403 041 8804	ELECT 10U M 16V
C006	403 086 2300	NP-ELECT 1U M 50V	C332	403 041 8804	ELECT 10U M 16V
C007	404 080 2501	ELECT 100U M 25V	C333	403 155 1500	CERAMIC 180P J 50V
	403 044 9501	ELECT 100U M 25V	C334	403 215 2201	CERAMIC 0.01U K 50V
C008	404 080 2501	ELECT 100U M 25V	C337	403 038 1603	ELECT 100U M 6.3V
	403 044 9501	ELECT 100U M 25V	C338	403 157 2505	CERAMIC 27P J 50V
C009	404 080 1900	ELECT 220U M 16V	C339	403 038 1603	ELECT 100U M 6.3V
	403 043 0202	ELECT 220U M 16V	C340	403 215 2201	CERAMIC 0.01U K 50V
C011	403 057 3107	POLYESTER 0.1U K 50V	C3401	403 046 9905	ELECT 4.7U M 25V
	403 181 8207	POLYESTER 0.1U K 50V	C3402	403 046 9905	ELECT 4.7U M 25V
C012	403 057 3107	POLYESTER 0.1U K 50V	C3403	403 215 2201	CERAMIC 0.01U K 50V
	403 181 8207	POLYESTER 0.1U K 50V	C3404	403 370 9107	CERAMIC 0.068U K 50V
C013	404 080 2709	ELECT 1000U M 25V	C3405	403 370 9107	CERAMIC 0.068U K 50V
	403 045 1504	ELECT 1000U M 25V	C3406	403 043 9106	ELECT 47U M 16V
C014	404 080 2709	ELECT 1000U M 25V	C3407	403 215 2201	CERAMIC 0.01U K 50V
	403 045 1504	ELECT 1000U M 25V	C3408	403 046 9905	ELECT 4.7U M 25V
C017	403 053 8304	ELECT 3300U M 35V	C3409	403 046 9905	ELECT 4.7U M 25V
C018	403 057 3107	POLYESTER 0.1U K 50V	C341	403 215 2201	CERAMIC 0.01U K 50V
	403 181 8207	POLYESTER 0.1U K 50V	C3411	403 157 6602	CERAMIC 470P K 50V
C019	403 057 3107	POLYESTER 0.1U K 50V	C3412	403 157 7302	CERAMIC 6800P K 50V
	403 181 8207	POLYESTER 0.1U K 50V	C3413	403 046 9905	ELECT 4.7U M 25V
C1920	403 342 3300	CERAMIC 0.1U K 25V	C3414	403 046 9905	ELECT 4.7U M 25V
	403 070 0909	CERAMIC 0.1U K 50V	C3415	403 049 0008	ELECT 1U M 50V
	403 367 0407	CERAMIC 0.1U K 50V	C3416	403 049 0008	ELECT 1U M 50V
C1921	403 113 4109	CERAMIC 2200P K 50V	C3417	403 367 0407	CERAMIC 0.1U K 50V
C1922	403 284 4304	CERAMIC 0.022U K 50V	C3418	403 043 9106	ELECT 47U M 16V
C1923	403 284 4304	CERAMIC 0.022U K 50V	C3419	403 157 7302	CERAMIC 6800P K 50V
C1924	403 113 3805	CERAMIC 1000P K 50V	C342	403 155 1609	CERAMIC 33P J 50V
C1925	403 155 2200	CERAMIC 3300P K 50V	C3420	403 215 2201	CERAMIC 0.01U K 50V
C1926	403 356 5109	CERAMIC 0.047U K 50V	C3421	403 157 6602	CERAMIC 470P K 50V
C1927	403 157 7302	CERAMIC 6800P K 50V			
C1928	403 356 5109	CERAMIC 0.047U K 50V			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C343	403 215 2201	CERAMIC 0.01U K 50V	R315	401 105 0603	MT-GLAZE 10K JA 1/16W
C3501	403 041 8804	ELECT 10U M 16V	R316	401 105 5103	MT-GLAZE 47 JA 1/16W
C3502	403 215 2201	CERAMIC 0.01U K 50V	R317	401 105 5103	MT-GLAZE 47 JA 1/16W
C3503	403 113 3805	CERAMIC 1000P K 50V	R318	401 105 1105	MT-GLAZE 12K JA 1/16W
C3504	403 342 3300	CERAMIC 0.1U K 25V	R319	401 105 3406	MT-GLAZE 27K JA 1/16W
	403 070 0909	CERAMIC 0.1U K 50V	R320	401 105 0504	MT-GLAZE 1K JA 1/16W
	403 367 0407	CERAMIC 0.1U K 50V	R321	401 105 0504	MT-GLAZE 1K JA 1/16W
C3505	403 043 9106	ELECT 47U M 16V	R322	401 105 0504	MT-GLAZE 1K JA 1/16W
C3506	403 049 9803	ELECT 2.2U M 50V	R323	401 105 4700	MT-GLAZE 39K JA 1/16W
C3507	403 215 2201	CERAMIC 0.01U K 50V	R324	401 105 1105	MT-GLAZE 12K JA 1/16W
C3508	403 215 2201	CERAMIC 0.01U K 50V	R325	401 105 5905	MT-GLAZE 560 JA 1/16W
C3509	403 215 2201	CERAMIC 0.01U K 50V	R326	401 105 7305	MT-GLAZE 820 JA 1/16W
C3510	403 215 2201	CERAMIC 0.01U K 50V	R327	401 105 6506	MT-GLAZE 680 JA 1/16W
C3511	403 113 3805	CERAMIC 1000P K 50V	R328	401 105 0504	MT-GLAZE 1K JA 1/16W
C3512	403 342 3300	CERAMIC 0.1U K 25V	R329	401 105 1501	MT-GLAZE 1.5K JA 1/16W
	403 070 0909	CERAMIC 0.1U K 50V	R330	401 105 6605	MT-GLAZE 6.8K JA 1/16W
	403 367 0407	CERAMIC 0.1U K 50V	R331	401 105 2904	MT-GLAZE 22K JA 1/16W
C3513	403 215 2201	CERAMIC 0.01U K 50V	R332	401 105 1105	MT-GLAZE 12K JA 1/16W
C3514	403 041 8804	ELECT 10U M 16V	R333	401 105 5905	MT-GLAZE 560 JA 1/16W
C3515	403 041 8804	ELECT 10U M 16V	R334	401 105 0504	MT-GLAZE 1K JA 1/16W
C3516	403 041 8804	ELECT 10U M 16V	R335	401 105 7404	MT-GLAZE 8.2K JA 1/16W
C3517	403 042 2405	ELECT 100U M 16V	R336	401 105 1105	MT-GLAZE 12K JA 1/16W
C3518	403 046 9905	ELECT 4.7U M 25V	R339	401 105 1105	MT-GLAZE 12K JA 1/16W
C3530	403 043 9106	ELECT 47U M 16V	R340	401 105 0504	MT-GLAZE 1K JA 1/16W
RESISTOR			R3403	401 105 0405	MT-GLAZE 100 JA 1/16W
R001	401 105 3406	MT-GLAZE 27K JA 1/16W	R341	401 026 4605	CARBON 33K JA 1/6W
R002	401 105 3406	MT-GLAZE 27K JA 1/16W	R3411	401 105 0405	MT-GLAZE 100 JA 1/16W
R003	401 105 2102	MT-GLAZE 18K JA 1/16W	R3413	401 105 0405	MT-GLAZE 100 JA 1/16W
R004	401 105 2102	MT-GLAZE 18K JA 1/16W	R342	401 105 0504	MT-GLAZE 1K JA 1/16W
R005	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R345	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R006	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R346	401 105 0504	MT-GLAZE 1K JA 1/16W
R007	401 015 6504	CARBON 2.2 JA 1/4W	R347	401 105 5202	MT-GLAZE 470 JA 1/16W
R008	401 015 6504	CARBON 2.2 JA 1/4W	R348	401 105 0504	MT-GLAZE 1K JA 1/16W
R010	401 105 4502	MT-GLAZE 390 JA 1/16W	R349	401 105 1105	MT-GLAZE 12K JA 1/16W
R011	401 105 0603	MT-GLAZE 10K JA 1/16W	R3501	401 105 0603	MT-GLAZE 10K JA 1/16W
R012	401 105 0702	MT-GLAZE 100K JA 1/16W	R3502	401 105 1105	MT-GLAZE 12K JA 1/16W
R014	401 021 1906	CARBON 560 JA 1/4W	R3503	401 105 1600	MT-GLAZE 15K JA 1/16W
R015	401 021 1906	CARBON 560 JA 1/4W	R3505	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R021	402 055 9609	WIRE WOUND 3.3 KA 5W	R3506	401 105 3307	MT-GLAZE 2.7K JA 1/16W
	402 075 4806	WIRE WOUND 3.3 KA 5W	R3508	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R023	401 026 1000	CARBON 2.7K JA 1/6W	R3511	401 105 0504	MT-GLAZE 1K JA 1/16W
R040	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3512	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R042	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3513	401 105 0504	MT-GLAZE 1K JA 1/16W
R1901	401 105 0504	MT-GLAZE 1K JA 1/16W	R3514	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1902	401 105 0504	MT-GLAZE 1K JA 1/16W	R3521	401 105 0603	MT-GLAZE 10K JA 1/16W
R1926	401 105 0504	MT-GLAZE 1K JA 1/16W	R3522	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R1928	401 105 0504	MT-GLAZE 1K JA 1/16W	R3523	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1929	401 105 0504	MT-GLAZE 1K JA 1/16W	R3524	401 105 0504	MT-GLAZE 1K JA 1/16W
R1931	401 105 0504	MT-GLAZE 1K JA 1/16W	R3525	401 105 0603	MT-GLAZE 10K JA 1/16W
R1932	401 105 0504	MT-GLAZE 1K JA 1/16W	R3526	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R1933	401 105 0405	MT-GLAZE 100 JA 1/16W	R3527	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1934	401 105 0405	MT-GLAZE 100 JA 1/16W	R3528	401 105 0504	MT-GLAZE 1K JA 1/16W
R3001	401 066 5204	OXIDE-MT 22 JA 2W	R3529	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R301	401 105 5905	MT-GLAZE 560 JA 1/16W	R3530	401 009 4905	CARBON 33 JB 1/2W
R302	401 105 0504	MT-GLAZE 1K JA 1/16W	COIL		
R303	401 105 0504	MT-GLAZE 1K JA 1/16W	L301	645 001 4567	INDUCTOR, 10U K
R304	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	L302	645 003 9812	INDUCTOR, 33U K
R305	401 105 0504	MT-GLAZE 1K JA 1/16W	L303	645 003 9812	INDUCTOR, 33U K
R307	401 105 1501	MT-GLAZE 1.5K JA 1/16W	L304	645 003 9812	INDUCTOR, 33U K
R308	401 105 0603	MT-GLAZE 10K JA 1/16W	L305	645 003 9812	INDUCTOR, 33U K
R309	401 105 0603	MT-GLAZE 10K JA 1/16W	L306	645 003 9812	INDUCTOR, 33U K
R310	401 024 7004	CARBON 1K JA 1/6W	L308	645 003 9812	INDUCTOR, 33U K
R311	401 105 0504	MT-GLAZE 1K JA 1/16W	L309	645 003 9812	INDUCTOR, 33U K
R312	401 105 0405	MT-GLAZE 100 JA 1/16W	L310	645 003 9843	INDUCTOR, 56U K
R313	401 105 0405	MT-GLAZE 100 JA 1/16W	L312	645 003 9812	INDUCTOR, 33U K
R314	401 105 0603	MT-GLAZE 10K JA 1/16W	L313	645 008 5222	DELAY LINE

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
L342	645 008 2825	INDUCTOR, 27U K	Q1005	405 011 8401	TR 2SC1740S-Q
DIODE				405 011 8500	TR 2SC1740S-R
D006	408 008 2406	DIODE 1N4148		405 011 8609	TR 2SC1740S-S
	408 038 4807	DIODE 1S1553		405 012 2002	TR 2SC1815-GR
	407 012 4406	DIODE 1SS133		405 012 2101	TR 2SC1815-O
	407 013 4306	DIODE 1S2076A		405 012 2309	TR 2SC1815-Y
	407 013 6508	DIODE 1S2471		405 157 0505	TR 2SC536NF-NPA
D020	407 099 6102	ZENER DIODE MTZJ10B		405 151 8705	TR 2SC536NG-NPA
	407 054 0008	ZENER DIODE RD10EB2		405 020 7501	TR 2SC945A-PA
	408 041 0407	ZENER DIODE MTZJ10B		405 020 7709	TR 2SC945A-QA
D021	408 008 2406	DIODE 1N4148	Q1006	405 020 7907	TR 2SC945A-RA
	408 038 4807	DIODE 1S1553		405 011 8401	TR 2SC1740S-Q
	407 012 4406	DIODE 1SS133		405 011 8500	TR 2SC1740S-R
	407 013 4306	DIODE 1S2076A		405 011 8609	TR 2SC1740S-S
	407 013 6508	DIODE 1S2471		405 012 2002	TR 2SC1815-GR
D1930	407 005 8602	DIODE ERA15-02		405 012 2101	TR 2SC1815-O
D3530	407 063 9702	ZENER DIODE MTZJ9.1C		405 012 2309	TR 2SC1815-Y
	407 057 9800	ZENER DIODE RD9.1EB3		405 157 0505	TR 2SC536NF-NPA
	408 039 3106	ZENER DIODE MTZ9.1A		405 151 8705	TR 2SC536NG-NPA
MISCELLANEOUS				405 020 7501	TR 2SC945A-PA
F001	645 017 6944	PROTECTOR, 1.5A 125V		405 020 7709	TR 2SC945A-QA
610 285 9973 ASSY,PWB,AV C2SYT				405 020 7907	TR 2SC945A-RA
1AA0B10E602JA			INTEGRATED CIRCUIT		
TRANSISTOR			IC1001	409 419 5406	IC MM1313BD
Q1001	406 000 6804	TR 2SA1015-G (SAN) -TPE2	IC302	409 268 8504	IC NJM2233BD
	405 001 7407	TR 2SA1015-O (SAN)			
	405 001 7605	TR 2SA1015-Y (SAN)	CAPACITOR		
	405 004 3109	TR 2SA564A-Q (CU)	C1001	403 047 9003	ELECT 0.1U M 50V
	405 004 3208	TR 2SA564A-R (CU)	C1002	403 050 0509	ELECT 2.2U M 50V
	405 151 3304	TR 2SA608NF-NPA	C1003	403 047 9003	ELECT 0.1U M 50V
	405 006 1707	TR 2SA933S-Q	C1004	403 050 0509	ELECT 2.2U M 50V
	405 006 1806	TR 2SA933S-R	C1005	403 215 2201	CERAMIC 0.01U K 50V
Q1002	406 000 6804	TR 2SA1015-G (SAN) -TPE2	C1006	403 047 9003	ELECT 0.1U M 50V
	405 001 7407	TR 2SA1015-O (SAN)	C1007	403 050 0509	ELECT 2.2U M 50V
	405 001 7605	TR 2SA1015-Y (SAN)	C1009	403 050 0509	ELECT 2.2U M 50V
	405 004 3109	TR 2SA564A-Q (CU)	C1012	403 047 9003	ELECT 0.1U M 50V
	405 004 3208	TR 2SA564A-R (CU)	C1013	403 050 0509	ELECT 2.2U M 50V
	405 151 3304	TR 2SA608NF-NPA	C1014	403 050 0509	ELECT 2.2U M 50V
	405 006 1707	TR 2SA933S-Q	C1015	403 041 9405	ELECT 10U M 16V
	405 006 1806	TR 2SA933S-R	C1016	403 043 9601	ELECT 47U M 16V
Q1003	405 011 8401	TR 2SC1740S-Q	C1017	403 069 8305	CERAMIC 0.01U Z 50V
	405 011 8500	TR 2SC1740S-R	C1018	403 050 0509	ELECT 2.2U M 50V
	405 011 8609	TR 2SC1740S-S	C1019	403 050 0509	ELECT 2.2U M 50V
	405 012 2002	TR 2SC1815-GR	C1021	403 041 9405	ELECT 10U M 16V
	405 012 2101	TR 2SC1815-O	C1022	403 041 9405	ELECT 10U M 16V
	405 012 2309	TR 2SC1815-Y	C1023	403 043 9601	ELECT 47U M 16V
	405 157 0505	TR 2SC536NF-NPA	C1024	403 215 2201	CERAMIC 0.01U K 50V
	405 151 8705	TR 2SC536NG-NPA	C1026	403 041 9405	ELECT 10U M 16V
	405 020 7501	TR 2SC945A-PA	C1027	403 047 9003	ELECT 0.1U M 50V
	405 020 7709	TR 2SC945A-QA	C1028	403 042 8308	ELECT 22U M 16V
	405 020 7907	TR 2SC945A-RA	RESISTOR		
Q1004	405 011 8401	TR 2SC1740S-Q	R1001	401 105 2706	MT-GLAZE 220 JA 1/16W
	405 011 8500	TR 2SC1740S-R	R1002	401 105 2706	MT-GLAZE 220 JA 1/16W
	405 011 8609	TR 2SC1740S-S	R1003	401 105 2706	MT-GLAZE 220 JA 1/16W
	405 012 2002	TR 2SC1815-GR	R1004	401 105 2706	MT-GLAZE 220 JA 1/16W
	405 012 2101	TR 2SC1815-O	R1005	401 105 2706	MT-GLAZE 220 JA 1/16W
	405 012 2309	TR 2SC1815-Y	R1006	401 105 2706	MT-GLAZE 220 JA 1/16W
	405 157 0505	TR 2SC536NF-NPA	R1007	401 105 2706	MT-GLAZE 220 JA 1/16W
	405 151 8705	TR 2SC536NG-NPA	R1008	401 105 2706	MT-GLAZE 220 JA 1/16W
	405 020 7501	TR 2SC945A-PA	R1009	401 105 5202	MT-GLAZE 470 JA 1/16W
	405 020 7709	TR 2SC945A-QA	R1010	401 105 0603	MT-GLAZE 10K JA 1/16W
	405 020 7907	TR 2SC945A-RA	R1011	401 105 5202	MT-GLAZE 470 JA 1/16W
			R1012	401 105 2706	MT-GLAZE 220 JA 1/16W
			R1013	401 105 0504	MT-GLAZE 1K JA 1/16W
			R1014	401 105 0504	MT-GLAZE 1K JA 1/16W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1015	401 105 0504	MT-GLAZE 1K JA 1/16W		652 000 1107	JACK, RCA-3
R1016	401 105 0405	MT-GLAZE 100 JA 1/16W	K1310	610 010 8295	SOCKET, DIN 4P
R1017	401 105 0405	MT-GLAZE 100 JA 1/16W	K1314	645 032 1979	JACK, RCA-3
R1018	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		652 000 1107	JACK, RCA-3
R1022	401 105 0504	MT-GLAZE 1K JA 1/16W	610 296 2178 ASSY,PWB,AFC C2SC		
R1023	401 105 0405	MT-GLAZE 100 JA 1/16W	1AA0B10S05400		
R1024	401 105 0405	MT-GLAZE 100 JA 1/16W	TRANSISTOR		
R1025	401 105 0504	MT-GLAZE 1K JA 1/16W	Q361	405 011 8401	TR 2SC1740S-Q
R1026	401 105 0504	MT-GLAZE 1K JA 1/16W		405 011 8500	TR 2SC1740S-R
R1027	401 105 2706	MT-GLAZE 220 JA 1/16W		405 011 8609	TR 2SC1740S-S
R1028	401 105 2706	MT-GLAZE 220 JA 1/16W		405 012 2002	TR 2SC1815-GR
R1031	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		405 012 2101	TR 2SC1815-O
R1032	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		405 012 2309	TR 2SC1815-Y
R1033	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		405 020 7501	TR 2SC945A-PA
R1034	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		405 020 7709	TR 2SC945A-QA
R1037	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		405 020 7907	TR 2SC945A-RA
R1304	401 105 0702	MT-GLAZE 100K JA 1/16W	CAPACITOR		
R1305	401 105 0702	MT-GLAZE 100K JA 1/16W	C365	403 087 1302	NP-ELECT 0.47U M 160V
R1306	401 105 1402	MT-GLAZE 150 JA 1/16W	C366	403 155 2408	CERAMIC 5600P K 50V
R1307	401 105 0702	MT-GLAZE 100K JA 1/16W	C367	403 215 2201	CERAMIC 0.01U K 50V
R1308	401 105 0702	MT-GLAZE 100K JA 1/16W	C368	403 256 0808	MT-COMPO 0.47U J 50V
R1309	401 105 1402	MT-GLAZE 150 JA 1/16W		403 264 2207	MT-COMPO 0.47U J 50V
R1310	401 105 1402	MT-GLAZE 150 JA 1/16W	RESISTOR		
R1311	401 105 1402	MT-GLAZE 150 JA 1/16W	R365	401 027 0309	CARBON 47K JA 1/6W
R1312	401 105 0702	MT-GLAZE 100K JA 1/16W	R366	401 105 1709	MT-GLAZE 150K JA 1/16W
R1313	401 105 0702	MT-GLAZE 100K JA 1/16W	R367	401 105 5400	MT-GLAZE 47K JA 1/16W
R1314	401 113 4402	MT-GLAZE 75 JA 1/16W	R368	401 105 2904	MT-GLAZE 22K JA 1/16W
R1317	401 105 1402	MT-GLAZE 150 JA 1/16W	R369	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1318	401 105 1402	MT-GLAZE 150 JA 1/16W	R375	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1319	401 105 1402	MT-GLAZE 150 JA 1/16W	R378	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1320	401 105 1402	MT-GLAZE 150 JA 1/16W	MISCELLANEOUS		
R1321	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	A200	610 283 8206	PWB, AV&SECAM, C2SC
R1322	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		610 283 8183	PWB, SECAM-C2SC
R1323	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	610 286 3086 ASSY,PWB,AVS C2SZT		
R1324	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	1AA0B10E603F0		
R1325	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	CAPACITOR		
R1326	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	C473	403 266 5008	CERAMIC 2700P K 1K
R1331	401 113 4402	MT-GLAZE 75 JA 1/16W		403 266 5008	CERAMIC 2700P K 1K
DIODE				403 266 5008	CERAMIC 2700P K 1K
D1301	407 063 8200	ZENER DIODE MTZJ10A	C608	404 051 8105	ELECT 270U M 400V
	407 053 9903	ZENER DIODE RD10EB1		404 078 7600	ELECT 270U M 400V
D1302	407 099 6607	ZENER DIODE MTZJ-T-7212B	RESISTOR		
	407 054 3207	ZENER DIODE RD12EB2-T4	R1606	402 084 7300	WIRE WOUND 3.3 KA 15W
D1304	407 099 6607	ZENER DIODE MTZJ-T-7212B	TRANSFORMER		
	407 054 3207	ZENER DIODE RD12EB2-T4	T472	645 038 4677	TRANS, PULSE
D1305	407 099 6607	ZENER DIODE MTZJ-T-7212B	610 300 9759 ASSY,PWB,SOCKET C2SY		
	407 054 3207	ZENER DIODE RD12EB2-T4	1AA0B10S071A0		
D1306	407 099 6607	ZENER DIODE MTZJ-T-7212B	TRANSISTOR		
	407 054 3207	ZENER DIODE RD12EB2-T4	Q751	406 000 6804	TR 2SA1015-G(SAN) -TPE2
D1307	407 099 6607	ZENER DIODE MTZJ-T-7212B		405 001 7605	TR 2SA1015-Y(SAN)
	407 054 3207	ZENER DIODE RD12EB2-T4		405 004 3208	TR 2SA564A-R(CU)
D1308	407 099 6607	ZENER DIODE MTZJ-T-7212B		405 006 1806	TR 2SA933S-R
	407 054 3207	ZENER DIODE RD12EB2-T4	Q752	406 000 6804	TR 2SA1015-G(SAN) -TPE2
D1309	407 099 6607	ZENER DIODE MTZJ-T-7212B		405 001 7605	TR 2SA1015-Y(SAN)
	407 054 3207	ZENER DIODE RD12EB2-T4			
D1310	407 099 6607	ZENER DIODE MTZJ-T-7212B			
	407 054 3207	ZENER DIODE RD12EB2-T4			
D1311	407 099 6607	ZENER DIODE MTZJ-T-7212B			
	407 054 3207	ZENER DIODE RD12EB2-T4			
D1312	407 099 6607	ZENER DIODE MTZJ-T-7212B			
	407 054 3207	ZENER DIODE RD12EB2-T4			
MISCELLANEOUS					
K1301	645 041 1854	JACK, RCA-2			
K1306A	610 010 3689	JACK, RCA			
K1309	645 032 1979	JACK, RCA-3			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q761	405 004 3208	TR 2SA564A-R (CU)	R795	401 066 2104	OXIDE-MT 18K JA 2W
	405 006 1806	TR 2SA933S-R	R796	401 063 7409	OXIDE-MT 8.2K JA 1W
	405 011 8401	TR 2SC1740S-Q	R798	401 024 6700	CARBON 100 JA 1/6W
	405 011 8500	TR 2SC1740S-R	COIL		
	405 011 8609	TR 2SC1740S-S	L761	645 007 9337	INDUCTOR, 270U K
	405 012 2002	TR 2SC1815-GR	L771	645 007 9337	INDUCTOR, 270U K
	405 012 2101	TR 2SC1815-O	L781	645 007 9337	INDUCTOR, 270U K
	405 012 2309	TR 2SC1815-Y	L791	645 001 4758	INDUCTOR, 100U K
	405 020 7501	TR 2SC945A-PA	DIODE		
	405 020 7709	TR 2SC945A-QA	D753	407 012 4406	DIODE 1SS133
Q762	405 020 7907	TR 2SC945A-RA	D754	407 012 4406	DIODE 1SS133
Q771	406 009 9509	TR 2SC4544	D756	407 012 4406	DIODE 1SS133
	405 011 8401	TR 2SC1740S-Q	D757	407 012 4406	DIODE 1SS133
	405 011 8500	TR 2SC1740S-R	D761	407 006 3903	DIODE ERB43-04
	405 011 8609	TR 2SC1740S-S	MISCELLANEOUS		
	405 012 2002	TR 2SC1815-GR	△K761A	645 038 5230	SOCKET, CRT 8P
	405 012 2101	TR 2SC1815-O	610 300 9766 ASSY,PWB,MAIN C2SY 1AA0B10S079A0		
	405 012 2309	TR 2SC1815-Y	TRANSISTOR		
	405 020 7501	TR 2SC945A-PA	Q106	405 013 3305	TR 2SC2216 (SAN)
	405 020 7709	TR 2SC945A-QA	Q137	405 011 8401	TR 2SC1740S-Q
	405 020 7907	TR 2SC945A-RA		405 011 8500	TR 2SC1740S-R
Q772	406 009 9509	TR 2SC4544		405 011 8609	TR 2SC1740S-S
Q781	405 011 8401	TR 2SC1740S-Q		405 012 2002	TR 2SC1815-GR
	405 011 8500	TR 2SC1740S-R		405 012 2101	TR 2SC1815-O
	405 011 8609	TR 2SC1740S-S		405 012 2309	TR 2SC1815-Y
	405 012 2002	TR 2SC1815-GR		405 157 0505	TR 2SC536NF-NPA
	405 012 2101	TR 2SC1815-O		405 151 8705	TR 2SC536NG-NPA
	405 012 2309	TR 2SC1815-Y		405 020 7501	TR 2SC945A-PA
	405 020 7501	TR 2SC945A-PA		405 020 7709	TR 2SC945A-QA
	405 020 7709	TR 2SC945A-QA		405 020 7907	TR 2SC945A-RA
	405 020 7907	TR 2SC945A-RA		405 011 8401	TR 2SC1740S-Q
	406 009 9509	TR 2SC4544		405 011 8500	TR 2SC1740S-R
CAPACITOR				405 011 8609	TR 2SC1740S-S
C753	403 043 6006	ELECT 330U M 16V		405 012 2002	TR 2SC1815-GR
C761	403 074 5702	CERAMIC 560P K 50V		405 012 2101	TR 2SC1815-O
C771	403 074 5702	CERAMIC 560P K 50V		405 012 2309	TR 2SC1815-Y
C781	403 074 5702	CERAMIC 560P K 50V		405 157 0505	TR 2SC536NF-NPA
C792	403 155 3009	ELECT 47U M 25V		405 151 8705	TR 2SC536NG-NPA
C793	403 260 0801	ELECT 4.7U M 250V		405 020 7501	TR 2SC945A-PA
C795	403 312 8304	CERAMIC 1000P Z 2K		405 020 7709	TR 2SC945A-QA
RESISTOR				405 020 7907	TR 2SC945A-RA
R752	401 024 7004	CARBON 1K JA 1/6W		406 000 6804	TR 2SA1015-G (SAN) -TPE2
R753	401 026 9600	CARBON 470 JA 1/6W		405 001 7407	TR 2SA1015-O (SAN)
R754	401 024 7400	CARBON 10K JA 1/6W		405 001 7605	TR 2SA1015-Y (SAN)
R756	401 026 6609	CARBON 390 JA 1/6W		405 004 3109	TR 2SA564A-Q (CU)
R757	401 024 7400	CARBON 10K JA 1/6W		405 004 3208	TR 2SA564A-R (CU)
R761	401 026 3905	CARBON 330 JA 1/6W		405 151 3304	TR 2SA608NF-NPA
R762	401 027 2303	CARBON 560 JA 1/6W		405 006 1707	TR 2SA933S-Q
R763	401 025 3807	CARBON 180 JA 1/6W		405 006 1806	TR 2SA933S-R
R765	401 008 7501	CARBON 2.2K JA 1/2W		406 000 6804	TR 2SA1015-G (SAN) -TPE2
R766	401 069 8202	OXIDE-MT 8.2K JA 2W		405 001 7407	TR 2SA1015-O (SAN)
R768	401 009 1508	CARBON 2.7K JA 1/2W		405 001 7605	TR 2SA1015-Y (SAN)
R771	401 026 3905	CARBON 330 JA 1/6W		405 004 3109	TR 2SA564A-Q (CU)
R772	401 027 2303	CARBON 560 JA 1/6W		405 004 3208	TR 2SA564A-R (CU)
R773	401 025 3807	CARBON 180 JA 1/6W		405 151 3304	TR 2SA608NF-NPA
R776	401 069 8202	OXIDE-MT 8.2K JA 2W		405 006 1707	TR 2SA933S-Q
R778	401 009 1508	CARBON 2.7K JA 1/2W		405 006 1806	TR 2SA933S-R
R781	401 026 3905	CARBON 330 JA 1/6W		405 011 8401	TR 2SC1740S-Q
R782	401 027 2303	CARBON 560 JA 1/6W		405 011 8500	TR 2SC1740S-R
R783	401 025 3807	CARBON 180 JA 1/6W		405 011 8609	TR 2SC1740S-S
R786	401 069 8202	OXIDE-MT 8.2K JA 2W			
R788	401 009 1508	CARBON 2.7K JA 1/2W			
R792	401 007 5805	CARBON 120K JA 1/2W			
R793	401 027 8602	CARBON 8.2K JA 1/6W			
R794	401 057 7507	OXIDE-MT 0.82 JA 1W			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description	
Q190	405 012 2002	TR 2SC1815-GR	Q215	405 020 7501	TR 2SC945A-PA	
	405 012 2101	TR 2SC1815-O		405 020 7709	TR 2SC945A-QA	
	405 012 2309	TR 2SC1815-Y		405 020 7907	TR 2SC945A-RA	
	405 157 0505	TR 2SC536NF-NPA		405 011 8401	TR 2SC1740S-Q	
	405 151 8705	TR 2SC536NG-NPA		405 011 8500	TR 2SC1740S-R	
	405 020 7501	TR 2SC945A-PA		405 011 8609	TR 2SC1740S-S	
	405 020 7709	TR 2SC945A-QA		405 012 2002	TR 2SC1815-GR	
	405 020 7907	TR 2SC945A-RA		405 012 2101	TR 2SC1815-O	
	406 000 6804	TR 2SA1015-G (SAN) -TPE2		405 012 2309	TR 2SC1815-Y	
	405 001 7407	TR 2SA1015-O (SAN)		405 157 0505	TR 2SC536NF-NPA	
	405 001 7605	TR 2SA1015-Y (SAN)		405 151 8705	TR 2SC536NG-NPA	
	405 004 3109	TR 2SA564A-Q (CU)		405 020 7501	TR 2SC945A-PA	
	405 004 3208	TR 2SA564A-R (CU)		405 020 7709	TR 2SC945A-QA	
	405 151 3304	TR 2SA608NF-NPA		405 020 7907	TR 2SC945A-RA	
Q1902	405 006 1707	TR 2SA933S-Q	Q261	406 000 6804	TR 2SA1015-G (SAN) -TPE2	
	405 006 1806	TR 2SA933S-R		405 001 7407	TR 2SA1015-O (SAN)	
	406 000 6804	TR 2SA1015-G (SAN) -TPE2		405 001 7605	TR 2SA1015-Y (SAN)	
	405 001 7407	TR 2SA1015-O (SAN)		405 004 3109	TR 2SA564A-Q (CU)	
	405 001 7605	TR 2SA1015-Y (SAN)		405 004 3208	TR 2SA564A-R (CU)	
	405 004 3109	TR 2SA564A-Q (CU)		405 151 3304	TR 2SA608NF-NPA	
	405 004 3208	TR 2SA564A-R (CU)		405 006 1707	TR 2SA933S-Q	
	405 151 3304	TR 2SA608NF-NPA		405 006 1806	TR 2SA933S-R	
	405 006 1707	TR 2SA933S-Q		405 018 0507	TR 2SC3332-R	
	405 006 1806	TR 2SA933S-R		405 018 0606	TR 2SC3332-S	
	406 000 6804	TR 2SA1015-G (SAN) -TPE2		Q432	405 144 2307	TR 2SD2580-YB
	405 001 7407	TR 2SA1015-O (SAN)		Q461	405 064 7307	TR 2SB1274-Q-RA
	405 001 7605	TR 2SA1015-Y (SAN)		405 064 7406	TR 2SB1274-R-RA	
	405 004 3109	TR 2SA564A-Q (CU)		Q462	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			
406 000 6804	TR 2SA1015-G (SAN) -TPE2	405 012 2309	TR 2SC1815-Y			
405 001 7407	TR 2SA1015-O (SAN)	405 157 0505	TR 2SC536NF-NPA			
405 001 7605	TR 2SA1015-Y (SAN)	405 151 8705	TR 2SC536NG-NPA			
405 004 3109	TR 2SA564A-Q (CU)	405 020 7501	TR 2SC945A-PA			
405 004 3208	TR 2SA564A-R (CU)	405 020 7709	TR 2SC945A-QA			
405 151 3304	TR 2SA608NF-NPA	405 020 7907	TR 2SC945A-RA			
405 006 1707	TR 2SA933S-Q	Q527	405 011 8401		TR 2SC1740S-Q	
405 006 1806	TR 2SA933S-R		405 011 8500		TR 2SC1740S-R	
406 000 6804	TR 2SA1015-G (SAN) -TPE2		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		405 020 7709	TR 2SC945A-QA		
406 000 6804	TR 2SA1015-G (SAN) -TPE2		405 020 7907	TR 2SC945A-RA		
405 001 7407	TR 2SA1015-O (SAN)		Q540	405 011 8401	TR 2SC1740S-Q	
405 001 7605	TR 2SA1015-Y (SAN)			405 011 8500	TR 2SC1740S-R	
405 004 3109	TR 2SA564A-Q (CU)			405 011 8609	TR 2SC1740S-S	
405 004 3208	TR 2SA564A-R (CU)	405 012 2002		TR 2SC1815-GR		
405 151 3304	TR 2SA608NF-NPA	405 012 2101		TR 2SC1815-O		
405 006 1707	TR 2SA933S-Q	405 012 2309		TR 2SC1815-Y		
405 006 1806	TR 2SA933S-R	405 157 0505		TR 2SC536NF-NPA		
406 000 6804	TR 2SA1015-G (SAN) -TPE2	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		
405 004 3109	TR 2SA564A-Q (CU)	405 020 7907		TR 2SC945A-RA		
405 004 3208	TR 2SA564A-R (CU)	Q611		405 011 8401	TR 2SC1740S-Q	
405 151 3304	TR 2SA608NF-NPA			405 011 8500	TR 2SC1740S-R	
405 006 1707	TR 2SA933S-Q			405 011 8609	TR 2SC1740S-S	
405 006 1806	TR 2SA933S-R		405 012 2002	TR 2SC1815-GR		
406 000 6804	TR 2SA1015-G (SAN) -TPE2		405 012 2101	TR 2SC1815-O		
405 001 7407	TR 2SA1015-O (SAN)		405 012 2309	TR 2SC1815-Y		
405 001 7605	TR 2SA1015-Y (SAN)		405 157 0505	TR 2SC536NF-NPA		
405 004 3109	TR 2SA564A-Q (CU)		405 151 8705	TR 2SC536NG-NPA		
405 004 3208	TR 2SA564A-R (CU)		405 020 7501	TR 2SC945A-PA		
405 151 3304	TR 2SA608NF-NPA		405 020 7709	TR 2SC945A-QA		
405 006 1707	TR 2SA933S-Q		405 020 7907	TR 2SC945A-RA		
405 006 1806	TR 2SA933S-R		406 000 6804	TR 2SA1015-G (SAN) -TPE2		
406 000 6804	TR 2SA1015-G (SAN) -TPE2		405 001 7407	TR 2SA1015-O (SAN)		
405 001 7407	TR 2SA1015-O (SAN)		405 001 7605	TR 2SA1015-Y (SAN)		
405 001 7605	TR 2SA1015-Y (SAN)	405 004 3109	TR 2SA564A-Q (CU)			
405 004 3109	TR 2SA564A-Q (CU)	405 004 3208	TR 2SA564A-R (CU)			
405 004 3208	TR 2SA564A-R (CU)	405 151 3304	TR 2SA608NF-NPA			
405 151 3304	TR 2SA608NF-NPA	405 006 1707	TR 2SA933S-Q			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q612	405 006 1806	TR 2SA933S-R	Q837	405 020 7907	TR 2SC945A-RA
	405 058 0208	TR 2SC3807-R-CTV-YA		405 011 8401	TR 2SC1740S-Q
Q613	405 096 7702	TR 2SC4430-L-YB	Q886	405 011 8500	TR 2SC1740S-R
	405 096 7603	TR 2SC4430-M-YB		405 011 8609	TR 2SC1740S-S
Q631	405 011 8401	TR 2SC1740S-Q		405 012 2002	TR 2SC1815-GR
	405 011 8500	TR 2SC1740S-R		405 012 2101	TR 2SC1815-O
Q653	405 011 8609	TR 2SC1740S-S		405 012 2309	TR 2SC1815-Y
	405 012 2002	TR 2SC1815-GR		405 157 0505	TR 2SC536NF-NPA
	405 012 2101	TR 2SC1815-O		405 151 8705	TR 2SC536NG-NPA
	405 012 2309	TR 2SC1815-Y		405 020 7501	TR 2SC945A-PA
	405 157 0505	TR 2SC536NF-NPA		405 020 7709	TR 2SC945A-QA
	405 151 8705	TR 2SC536NG-NPA		405 020 7907	TR 2SC945A-RA
	405 020 7501	TR 2SC945A-PA		405 011 8401	TR 2SC1740S-Q
	405 020 7709	TR 2SC945A-QA		405 011 8500	TR 2SC1740S-R
	405 020 7907	TR 2SC945A-RA		405 011 8609	TR 2SC1740S-S
	405 059 9804	TR 2SD1913-Q-RA		405 012 2002	TR 2SC1815-GR
	405 059 9903	TR 2SD1913-R-RA		405 012 2101	TR 2SC1815-O
Q661	405 011 8401	TR 2SC1740S-Q		405 012 2309	TR 2SC1815-Y
	405 011 8500	TR 2SC1740S-R		405 157 0505	TR 2SC536NF-NPA
	405 011 8609	TR 2SC1740S-S		405 151 8705	TR 2SC536NG-NPA
	405 012 2002	TR 2SC1815-GR		405 020 7501	TR 2SC945A-PA
	405 012 2101	TR 2SC1815-O		405 020 7709	TR 2SC945A-QA
	405 012 2309	TR 2SC1815-Y		405 020 7907	TR 2SC945A-RA
	405 157 0505	TR 2SC536NF-NPA	INTEGRATED CIRCUIT		
	405 151 8705	TR 2SC536NG-NPA	IC201	410 342 8907	IC QXXAVB488--M
	405 020 7501	TR 2SC945A-PA		410 410 1205	IC QXXAVB889--M
	405 020 7709	TR 2SC945A-QA	IC202	409 241 5407	IC BA178M05T
Q662	405 020 7907	TR 2SC945A-RA		409 172 1509	IC MC78M05CT
	405 011 8401	TR 2SC1740S-Q		409 320 5700	IC UPC78M05AHF
	405 011 8500	TR 2SC1740S-R	IC211	409 268 8504	IC NJM2233BD
	405 011 8609	TR 2SC1740S-S	IC501	409 340 1904	IC LA7841
	405 012 2002	TR 2SC1815-GR	IC651	409 225 2309	IC PQ12RF11
	405 012 2101	TR 2SC1815-O	IC801	410 370 9204	IC M37221MB-XXXSP
	405 012 2309	TR 2SC1815-Y	IC802	409 383 6805	IC 24LC08B/P
	405 157 0505	TR 2SC536NF-NPA	CAPACITOR		
	405 151 8705	TR 2SC536NG-NPA	C101	403 040 3701	ELECT 220U M 10V
	405 020 7501	TR 2SC945A-PA	C102	403 043 3906	ELECT 33U M 16V
	405 020 7709	TR 2SC945A-QA	C103	403 051 3103	ELECT 47U M 50V
Q681	405 020 7907	TR 2SC945A-RA	C104	403 040 3701	ELECT 220U M 10V
	405 059 6100	TR 2SC4075-D-CTV-YA	C107	403 049 9803	ELECT 2.2U M 50V
	405 059 6209	TR 2SC4075-E-CTV-YA	C1101	403 085 4008	NP-ELECT 10U M 16V
Q682	406 000 6804	TR 2SA1015-G (SAN) -TPE2	C1102	403 085 4008	NP-ELECT 10U M 16V
	405 001 7407	TR 2SA1015-O (SAN)	C113	403 215 2201	CERAMIC 0.01U K 50V
	405 001 7605	TR 2SA1015-Y (SAN)	C115	403 215 2201	CERAMIC 0.01U K 50V
	405 004 3109	TR 2SA564A-Q (CU)	C120	403 215 2201	CERAMIC 0.01U K 50V
	405 004 3208	TR 2SA564A-R (CU)	C121	403 215 2201	CERAMIC 0.01U K 50V
	405 151 3304	TR 2SA608NF-NPA	C122	403 043 9106	ELECT 47U M 16V
	405 006 1707	TR 2SA933S-Q	C124	403 215 2201	CERAMIC 0.01U K 50V
	405 006 1806	TR 2SA933S-R	C131	403 215 2201	CERAMIC 0.01U K 50V
Q824	406 000 6804	TR 2SA1015-G (SAN) -TPE2	C138	403 048 1907	ELECT 0.22U M 50V
	405 001 7407	TR 2SA1015-O (SAN)	C141	403 157 2901	CERAMIC 47P J 50V
	405 001 7605	TR 2SA1015-Y (SAN)	C151	403 155 1609	CERAMIC 33P J 50V
	405 004 3109	TR 2SA564A-Q (CU)	C171	403 048 1907	ELECT 0.22U M 50V
	405 004 3208	TR 2SA564A-R (CU)	C176	403 113 4109	CERAMIC 2200P K 50V
	405 151 3304	TR 2SA608NF-NPA	C177	403 048 4205	ELECT 0.33U M 50V
	405 006 1707	TR 2SA933S-Q	C181	403 041 8804	ELECT 10U M 16V
	405 006 1806	TR 2SA933S-R	C182	403 155 1609	CERAMIC 33P J 50V
	405 011 8401	TR 2SC1740S-Q	C1901	403 042 7707	ELECT 22U M 16V
Q836	405 011 8500	TR 2SC1740S-R	C201	403 043 9106	ELECT 47U M 16V
	405 011 8609	TR 2SC1740S-S	C202	403 215 2201	CERAMIC 0.01U K 50V
	405 012 2002	TR 2SC1815-GR	C206	403 043 9106	ELECT 47U M 16V
	405 012 2101	TR 2SC1815-O	C207	403 215 2201	CERAMIC 0.01U K 50V
	405 012 2309	TR 2SC1815-Y	C211	403 215 2201	CERAMIC 0.01U K 50V
	405 157 0505	TR 2SC536NF-NPA	C212	403 215 2201	CERAMIC 0.01U K 50V
	405 151 8705	TR 2SC536NG-NPA	C213	403 215 2201	CERAMIC 0.01U K 50V
	405 020 7501	TR 2SC945A-PA			
	405 020 7709	TR 2SC945A-QA			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C214	403 215 2201	CERAMIC 0.01U K 50V	C516TM	403 045 7803	ELECT 220U M 25V
C216	403 041 8804	ELECT 10U M 16V	C517	403 053 2104	ELECT 220U M 35V
C217	403 215 2201	CERAMIC 0.01U K 50V	C518	403 157 6305	CERAMIC 270P K 50V
C218	403 041 8804	ELECT 10U M 16V	C521	404 081 0902	ELECT 2200U M 35V
C220	403 215 2201	CERAMIC 0.01U K 50V		403 053 3606	ELECT 2200U M 35V
C221	403 367 0407	CERAMIC 0.1U K 50V	C524	403 288 9107	POLYESTER 0.22U K 100V
C222	403 367 0407	CERAMIC 0.1U K 50V	C527	404 080 4406	ELECT 10U M 50V
C223	403 367 0407	CERAMIC 0.1U K 50V		403 049 4204	ELECT 10U M 50V
C225	403 069 8305	CERAMIC 0.01U Z 50V	C540	403 086 0108	NP-ELECT 4.7U M 25V
C241	403 047 8402	ELECT 0.1U M 50V	C601	404 088 1704	MT-POLYEST 0.22U K 250V
C243	403 047 8402	ELECT 0.1U M 50V		404 066 2204	MT-POLYEST 0.22U M 275V
C246	403 049 0008	ELECT 1U M 50V		404 007 9606	MT-COMPO 0.22U M 250V
C247	403 215 2409	CERAMIC 0.015U K 50V	C602	404 088 1704	MT-POLYEST 0.22U K 250V
	403 284 4403	CERAMIC 0.015U K 50V		404 066 2204	MT-POLYEST 0.22U M 275V
C248	403 356 5109	CERAMIC 0.047U K 50V		404 007 9606	MT-COMPO 0.22U M 250V
C351	403 042 4805	ELECT 1000U M 16V	C603	403 076 6707	CERAMIC 1000P K 1K
C354	403 284 4304	CERAMIC 0.022U K 50V		403 076 7100	CERAMIC 1000P M 1K
C355	403 048 6308	ELECT 0.47U M 50V	C604	403 076 6707	CERAMIC 1000P K 1K
C356	403 367 0407	CERAMIC 0.1U K 50V		403 076 7100	CERAMIC 1000P M 1K
C357	403 215 2201	CERAMIC 0.01U K 50V	C605	403 076 6707	CERAMIC 1000P K 1K
C358	403 049 9803	ELECT 2.2U M 50V		403 076 7100	CERAMIC 1000P M 1K
C359	403 215 2201	CERAMIC 0.01U K 50V	C606	403 076 6707	CERAMIC 1000P K 1K
C360	403 075 9006	CERAMIC 150P K 500V		403 076 7100	CERAMIC 1000P M 1K
C361	403 270 3007	MT-POLYEST 1U K 63V	C612	403 157 6701	CERAMIC 560P K 50V
	403 260 2003	MT-COMPO 1U J 50V	C614	403 166 6808	MT-POLYEST 0.1U J 63V
C362	403 049 0008	ELECT 1U M 50V		403 237 8007	MT-COMPO 0.1U J 50V
C371	403 157 7203	CERAMIC 3900P K 50V		403 243 6806	MT-COMPO 0.1U J 50V
C372	403 049 0008	ELECT 1U M 50V	C615	403 056 9704	POLYESTER 0.01U J 50V
C420	404 077 5003	MT-POLYPRO 8600P H 1.5K		403 178 9309	POLYESTER 0.01U J 50V
	403 343 8502	MT-POLYPRO 8600P H 1.5K		403 311 8602	POLYESTER 0.01U J 50V
C423	404 077 5201	MT-POLYPRO 9100P H 1.5K	C616	403 167 8702	CERAMIC 2200P K 2K
	403 343 8601	MT-POLYPRO 9100P H 1.5K		403 263 6800	CERAMIC 2200P K 2K
C424	403 343 9400	POLYPRO 0.02U J 400V	C617	403 058 3403	POLYESTER 0.015U K 50V
C425	403 343 9400	POLYPRO 0.02U J 400V		403 311 9708	POLYESTER 0.015U K 50V
C432	403 075 7101	CERAMIC 1000P K 500V	△C628	404 073 5106	CERAMIC 470P K 250V
C433	403 076 3102	CERAMIC 3900P K 500V		404 073 3300	CERAMIC 470P M 250V
C434	404 080 6004	ELECT 47U M 35V	△C629	404 071 4507	CERAMIC 470P K 400V
	403 054 0703	ELECT 47U M 35V		404 073 4505	CERAMIC 2200P K 250V
C437	403 066 6106	MT-POLYEST 0.47U J 250V		404 073 2907	CERAMIC 2200P M 250V
C441A	403 342 1504	MT-POLYPRO 0.2U J 400V		404 071 4101	CERAMIC 2200P M 400V
C442A	403 079 0900	MT-POLYPRO 0.15U J 400V	C631	403 165 9305	CERAMIC 680P K 1K
				403 247 6505	CERAMIC 680P K 1K
C462	404 080 6509	ELECT 1U M 50V		403 271 9800	CERAMIC 680P K 1K
	403 049 0008	ELECT 1U M 50V	C635	403 076 3607	CERAMIC 470P K 500V
C463	403 148 1401	ELECT 220U M 50V	C641	404 074 9103	ELECT 220U M 160V
C464	403 049 0008	ELECT 1U M 50V	C643	403 148 2002	ELECT 470U M 35V
C465	403 066 0104	MT-POLYEST 2.2U K 100V	C644	403 317 2703	ELECT 2200U M 35V
C466	403 270 3700	MT-POLYEST 0.39U K 63V	C645	403 316 6702	ELECT 1000U M 50V
	403 255 8904	MT-COMPO 0.39U J 50V	C653	403 176 1800	ELECT 10U M 16V
C467	404 080 1900	ELECT 220U M 16V	C654	403 148 0305	ELECT 470U M 16V
	403 040 3701	ELECT 220U M 10V	C655	403 148 0305	ELECT 470U M 16V
C468	404 080 4802	ELECT 22U M 50V	C681	403 178 8500	ELECT 470U M 63V
	403 045 5809	ELECT 22U M 25V	C682	403 041 4509	ELECT 470U M 10V
C469	404 080 4406	ELECT 10U M 50V	C683	403 049 4204	ELECT 10U M 50V
	403 049 4204	ELECT 10U M 50V	C801	403 215 2201	CERAMIC 0.01U K 50V
C470	403 069 8305	CERAMIC 0.01U Z 50V	C809	403 041 2109	ELECT 47U M 10V
C471	404 056 5307	NP-ELECT 2.2U M 100V	C810	403 367 0407	CERAMIC 0.1U K 50V
C486	403 260 0702	ELECT 33U M 250V	C811	403 367 0407	CERAMIC 0.1U K 50V
C491	403 076 5304	CERAMIC 680P K 500V	C812	403 157 2505	CERAMIC 27P J 50V
C501	404 080 6509	ELECT 1U M 50V	C813	403 215 2201	CERAMIC 0.01U K 50V
	403 049 0008	ELECT 1U M 50V	C825	403 215 2201	CERAMIC 0.01U K 50V
C511	403 063 7007	POLYESTER 0.082U J 50V	C826	403 113 3805	CERAMIC 1000P K 50V
	403 063 7205	POLYESTER 0.082U J 50V	C828	403 041 8804	ELECT 10U M 16V
	403 178 9804	POLYESTER 0.082U J 50V	C840	403 060 6300	POLYESTER 3300P K 50V
C514	404 080 4406	ELECT 10U M 50V		403 179 1807	POLYESTER 3300P K 50V
	403 049 4204	ELECT 10U M 50V	C855	403 215 2201	CERAMIC 0.01U K 50V
C515	404 080 2907	ELECT 2200U M 25V	C891	403 041 8804	ELECT 10U M 16V
	403 045 9807	ELECT 2200U M 25V			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
RESISTOR			R222	401 105 0504	MT-GLAZE 1K JA 1/16W
R102	401 013 4304	CARBON 120 JB 1/4W	R223	401 105 0504	MT-GLAZE 1K JA 1/16W
R103	401 061 8101	OXIDE-MT 39K JA 1W	R226	401 027 0309	CARBON 47K JA 1/6W
R104	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R227	401 105 4205	MT-GLAZE 33K JA 1/16W
R105	401 105 0504	MT-GLAZE 1K JA 1/16W	R228	401 105 0702	MT-GLAZE 100K JA 1/16W
R106	401 105 0405	MT-GLAZE 100 JA 1/16W	R231	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R107	401 105 0405	MT-GLAZE 100 JA 1/16W	R232	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R108	401 105 0603	MT-GLAZE 10K JA 1/16W	R233	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R109	401 105 4205	MT-GLAZE 33K JA 1/16W	R234	401 105 0900	MT-GLAZE 120 JA 1/16W
R110	401 105 2706	MT-GLAZE 220 JA 1/16W	R235	401 105 0900	MT-GLAZE 120 JA 1/16W
R1101	401 007 7601	CARBON 150 JA 1/2W	R236	401 105 0900	MT-GLAZE 120 JA 1/16W
R1102	401 007 7601	CARBON 150 JA 1/2W	R241	401 105 0504	MT-GLAZE 1K JA 1/16W
R111	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R242	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1112	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R243	401 105 0504	MT-GLAZE 1K JA 1/16W
R1114	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R246	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R114	401 105 2706	MT-GLAZE 220 JA 1/16W	R261	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R117	401 105 6001	MT-GLAZE 5.6K JA 1/16W	R262	401 105 5905	MT-GLAZE 560 JA 1/16W
R118	401 105 2706	MT-GLAZE 220 JA 1/16W	R271	401 024 6700	CARBON 100 JA 1/6W
R119	401 105 3109	MT-GLAZE 27 JA 1/16W	R272	401 105 0405	MT-GLAZE 100 JA 1/16W
R126	401 105 5400	MT-GLAZE 47K JA 1/16W	R351	401 067 5302	OXIDE-MT 330 JA 2W
R127	401 105 1204	MT-GLAZE 120K JA 1/16W	R352	401 025 8208	CARBON 22K JA 1/6W
R128	401 105 8203	MT-GLAZE 68K JA 1/16W	R353	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R130	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R354	401 024 7400	CARBON 10K JA 1/6W
R132	401 105 5400	MT-GLAZE 47K JA 1/16W	R355	401 012 7009	CARBON 10K JA 1/4W
R140	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R356	401 105 0603	MT-GLAZE 10K JA 1/16W
R141	401 105 4502	MT-GLAZE 390 JA 1/16W	R357	401 105 6100	MT-GLAZE 560K JA 1/16W
R145	401 105 4502	MT-GLAZE 390 JA 1/16W	R358	401 105 5509	MT-GLAZE 470K JA 1/16W
R150	401 105 0900	MT-GLAZE 120 JA 1/16W	R361	401 024 7004	CARBON 1K JA 1/6W
R151	401 105 6506	MT-GLAZE 680 JA 1/16W	R362	401 024 7004	CARBON 1K JA 1/6W
R170	401 105 0603	MT-GLAZE 10K JA 1/16W	R364	401 025 8208	CARBON 22K JA 1/6W
R171	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R373	401 105 0405	MT-GLAZE 100 JA 1/16W
R172	401 024 7400	CARBON 10K JA 1/6W	R420	401 022 4104	CARBON 68K JA 1/4W
R173	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R423	401 025 1902	CARBON 15K JA 1/6W
R174	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R424	401 024 7004	CARBON 1K JA 1/6W
R188	401 105 1907	MT-GLAZE 180 JA 1/16W	R426	401 105 0603	MT-GLAZE 10K JA 1/16W
R190	401 105 3208	MT-GLAZE 270 JA 1/16W	R432	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1902	401 105 3406	MT-GLAZE 27K JA 1/16W	R433	401 007 1104	CARBON 1K JA 1/2W
R1903	401 105 1105	MT-GLAZE 12K JA 1/16W	R434	401 059 6706	OXIDE-MT 180 JA 1W
R1904	401 105 6001	MT-GLAZE 5.6K JA 1/16W	R435	402 082 0402	WIRE WOUND 5.6 KA 7W
R1905	401 105 4601	MT-GLAZE 3.9K JA 1/16W		402 076 0203	WIRE WOUND 5.6 KA 7W
R1906	401 105 3307	MT-GLAZE 2.7K JA 1/16W		402 082 6107	WIRE WOUND 5.6 KA 7W
R191	401 105 6001	MT-GLAZE 5.6K JA 1/16W	R441	401 064 8702	OXIDE-MT 1K JA 2W
R1911	401 025 7409	CARBON 220 JA 1/6W	R442	401 058 3706	OXIDE-MT 1K JA 1W
R1912	401 105 2706	MT-GLAZE 220 JA 1/16W	R445	401 068 7800	OXIDE-MT 560 JA 2W
R1913	401 105 2706	MT-GLAZE 220 JA 1/16W	R449	401 062 6106	OXIDE-MT 560 JA 1W
R192	401 105 3208	MT-GLAZE 270 JA 1/16W	R460	401 114 0106	MT-GLAZE 1.5M JA 1/16W
R193	401 105 0504	MT-GLAZE 1K JA 1/16W	R461	401 027 8305	CARBON 820 JA 1/6W
R194	401 105 3208	MT-GLAZE 270 JA 1/16W	R462	401 026 9600	CARBON 470 JA 1/6W
R195	401 105 0504	MT-GLAZE 1K JA 1/16W	R464	401 026 9907	CARBON 4.7K JA 1/6W
R197	401 105 0603	MT-GLAZE 10K JA 1/16W	R466	401 027 5502	CARBON 6.8K JA 1/6W
R198	401 105 4502	MT-GLAZE 390 JA 1/16W	R467	401 114 0106	MT-GLAZE 1.5M JA 1/16W
R201	401 105 1600	MT-GLAZE 15K JA 1/16W	R468	401 025 4200	CARBON 1.8K JA 1/6W
R202	401 105 0603	MT-GLAZE 10K JA 1/16W	R469	401 027 0309	CARBON 47K JA 1/6W
R203	401 105 4106	MT-GLAZE 3.3K JA 1/16W	R470	401 105 2706	MT-GLAZE 220 JA 1/16W
R204	401 105 2805	MT-GLAZE 2.2K JA 1/16W	R471	401 025 1605	CARBON 1.5K JA 1/6W
R205	401 105 5905	MT-GLAZE 560 JA 1/16W	R472	401 027 0309	CARBON 47K JA 1/6W
R206	401 105 0504	MT-GLAZE 1K JA 1/16W	R473	401 027 5205	CARBON 680 JA 1/6W
R211	401 105 0405	MT-GLAZE 100 JA 1/16W	R475	401 009 5803	CARBON 330 JA 1/2W
R212	401 027 2105	CARBON 56 JA 1/6W	R476	401 026 9907	CARBON 4.7K JA 1/6W
R213	401 105 0405	MT-GLAZE 100 JA 1/16W	R479	401 025 7805	CARBON 2.2K JA 1/6W
R214	401 105 5806	MT-GLAZE 56 JA 1/16W	R480	401 027 0309	CARBON 47K JA 1/6W
R215	401 105 0504	MT-GLAZE 1K JA 1/16W	R481	401 068 1600	OXIDE-MT 4.7 JA 2W
R216	401 105 0504	MT-GLAZE 1K JA 1/16W	R485TM1	401 023 3700	CARBON 82K JA 1/4W
R217	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R485TM2	401 023 3700	CARBON 82K JA 1/4W
R218	401 105 3307	MT-GLAZE 2.7K JA 1/16W	R486	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R219	401 105 1501	MT-GLAZE 1.5K JA 1/16W	R488	401 142 9508	OXIDE-MT 0.27 JA 1W
R221	401 105 0504	MT-GLAZE 1K JA 1/16W	R511	401 024 6700	CARBON 100 JA 1/6W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R512	401 020 0801	CARBON 470 JA 1/4W	R841	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R514	401 024 9701	CARBON 12K JA 1/6W	R842	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R515	401 025 8208	CARBON 22K JA 1/6W	R843	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R516	401 027 5205	CARBON 680 JA 1/6W	R844	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R518	401 057 9105	OXIDE-MT 1.2 JA 1W	R848	401 105 0603	MT-GLAZE 10K JA 1/16W
R522	401 025 1308	CARBON 150 JA 1/6W	R850	401 105 1105	MT-GLAZE 12K JA 1/16W
R524	401 065 6707	OXIDE-MT 150 JA 2W	R851	401 113 6505	MT-GLAZE 6.2K JA 1/16W
R527	401 027 3003	CARBON 56K JA 1/6W	R852	401 105 0603	MT-GLAZE 10K JA 1/16W
R529	401 060 4104	OXIDE-MT 2.2K JA 1W	R855	401 105 0702	MT-GLAZE 100K JA 1/16W
R530	401 025 1902	CARBON 15K JA 1/6W	R856	401 026 9600	CARBON 470 JA 1/6W
R540	401 105 1006	MT-GLAZE 1.2K JA 1/16W	R857	401 105 0504	MT-GLAZE 1K JA 1/16W
R611	401 027 2600	CARBON 5.6K JA 1/6W	R863	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R615	401 025 8208	CARBON 22K JA 1/6W	R864	401 105 0603	MT-GLAZE 10K JA 1/16W
R617	401 012 5708	CARBON 1K JA 1/4W	R866	401 105 0405	MT-GLAZE 100 JA 1/16W
R619	401 019 9600	CARBON 47 JA 1/4W	R867	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R620	401 007 5805	CARBON 120K JA 1/2W	R868	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R621	401 007 5805	CARBON 120K JA 1/2W	R869	401 105 0405	MT-GLAZE 100 JA 1/16W
R622	401 014 5201	CARBON 15K JA 1/4W	R875	401 105 0603	MT-GLAZE 10K JA 1/16W
R623	401 026 1000	CARBON 2.7K JA 1/6W	R876	401 024 7400	CARBON 10K JA 1/6W
R624	402 083 3709	OXIDE-MT 18JB 7W	R877	401 105 0603	MT-GLAZE 10K JA 1/16W
R625	401 069 0404	OXIDE-MT 6.8 JA 2W	R879	401 105 0603	MT-GLAZE 10K JA 1/16W
R626	401 018 3401	CARBON 3.3K GA 1/4W	R883	401 105 4106	MT-GLAZE 3.3K JA 1/16W
△ R628	402 000 8305	SOLID 5.6M KA 1/2W	R886	401 105 0504	MT-GLAZE 1K JA 1/16W
△ R629	402 000 8305	SOLID 5.6M KA 1/2W	R887	401 105 2904	MT-GLAZE 22K JA 1/16W
R630	401 105 0603	MT-GLAZE 10K JA 1/16W	R888	401 105 2706	MT-GLAZE 220 JA 1/16W
R635	401 014 6109	CARBON 150K JA 1/4W	R891	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R636	401 027 5502	CARBON 6.8K JA 1/6W	R892	401 105 1600	MT-GLAZE 15K JA 1/16W
R637	401 015 4708	CARBON 180K JA 1/4W	R893	401 105 0603	MT-GLAZE 10K JA 1/16W
R638	401 011 2708	CARBON 68K JA 1/2W	R894	401 105 0603	MT-GLAZE 10K JA 1/16W
R639	401 025 8208	CARBON 22K JA 1/6W	R898	401 105 0603	MT-GLAZE 10K JA 1/16W
R645	401 064 4506	OXIDE-MT 1.2 JA 2W	VARIABLE RESISTOR		
R652	401 064 3806	OXIDE-MT 1.0 JA 2W	VR462	645 006 5606	VR, SEMI, 4.7K N
R654	401 069 5607	OXIDE-MT 8.2 JA 2W		645 003 5616	VR, SEMI, 4.7K N
R655	401 069 0404	OXIDE-MT 6.8 JA 2W		610 232 8455	VR, SEMI, 5K N
R656	401 026 9600	CARBON 470 JA 1/6W		652 000 0148	VR, SEMI, 5K N
R661	401 026 9600	CARBON 470 JA 1/6W	VR463	645 006 5415	VR, SEMI, 1K N
R662	401 024 7400	CARBON 10K JA 1/6W		645 003 5524	VR, SEMI, 1K N
R663	401 026 4605	CARBON 33K JA 1/6W		610 232 7861	VR, SEMI, 1K N
R672	401 105 0504	MT-GLAZE 1K JA 1/16W		652 000 0384	VR, SEMI, 1K N
R681	401 066 7109	OXIDE-MT 2.2K JA 2W	VR631	645 006 5125	VR, SEMI, 2K N
R683	401 064 8702	OXIDE-MT 1K JA 2W		652 000 0100	VR, SEMI, 2K N
R685	401 026 4308	CARBON 3.3K JA 1/6W	TRANSFORMER		
R686	401 025 7409	CARBON 220 JA 1/6W	T431	610 000 1077	DRIVE TRANS
R687	401 105 4700	MT-GLAZE 39K JA 1/16W		610 223 1656	DRIVE TRANS
R801	401 105 0504	MT-GLAZE 1K JA 1/16W		652 000 0704	TRANS, DRIVE
R802	401 105 0504	MT-GLAZE 1K JA 1/16W	△ T471	645 038 1683	TRANS, FLYBACK
R803	401 105 0603	MT-GLAZE 10K JA 1/16W	△ T601	610 033 3765	POWER TRANS
R805	401 105 5301	MT-GLAZE 4.7K JA 1/16W	△ T611	645 030 6341	TRANS, POWER, PULSE
R806	401 105 5301	MT-GLAZE 4.7K JA 1/16W	COIL		
R807	401 024 6700	CARBON 100 JA 1/6W	L141	645 001 4567	INDUCTOR, 10U K
R808	401 024 6700	CARBON 100 JA 1/6W	L171	645 033 8410	TRANS, OSC, 38MHZ
R811	401 105 0603	MT-GLAZE 10K JA 1/16W	L182	645 001 4567	INDUCTOR, 10U K
R813	401 105 0603	MT-GLAZE 10K JA 1/16W	L184	645 001 4727	INDUCTOR, 10U K
R817	401 026 1000	CARBON 2.7K JA 1/6W	L211	645 003 9676	INDUCTOR, 100U K
R819	401 105 0603	MT-GLAZE 10K JA 1/16W	L431	610 032 5821	FILTER COIL
R820	401 105 0603	MT-GLAZE 10K JA 1/16W		645 008 5628	INDUCTOR, 1U M
R821	401 105 0603	MT-GLAZE 10K JA 1/16W	L432	652 000 0469	CORE, PIPE
R822	401 105 5400	MT-GLAZE 47K JA 1/16W	L441	610 000 0971	LINEARITY COIL
R823	401 105 5301	MT-GLAZE 4.7K JA 1/16W		610 205 0103	LINEARITY COIL
R824	401 105 1501	MT-GLAZE 1.5K JA 1/16W	L442	610 219 0342	COIL
R825	401 105 7404	MT-GLAZE 8.2K JA 1/16W	L461	610 031 1367	INDUCTOR 202J
R829	401 105 2904	MT-GLAZE 22K JA 1/16W		610 211 3488	INDUCTOR
R835	401 105 3406	MT-GLAZE 27K JA 1/16W		645 005 5645	INDUCTOR, 2200U K
R836	401 105 6001	MT-GLAZE 5.6K JA 1/16W	L462A	645 000 2229	INDUCTOR 430UH
R837	401 105 4106	MT-GLAZE 3.3K JA 1/16W			
R839	401 105 3406	MT-GLAZE 27K JA 1/16W			
R840	401 105 3406	MT-GLAZE 27K JA 1/16W			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
L511	610 210 3908	PEAKING COIL 33UHK	D634A	407 154 2704	DIODE YG901C2-LB
	645 001 5748	INDUCTOR, 33U K	D635A	407 154 2704	DIODE YG901C2-LB
L601B	645 019 3873	LINE FILTER	D641	407 099 5501	ZENER DIODE MTZJ6.2C
				407 057 2801	ZENER DIODE RD6.2EB3
DIODE			D653	407 099 6102	ZENER DIODE MTZJ10B
D101	407 100 0204	ZENER DIODE MTZJ36A		407 054 0008	ZENER DIODE RD10EB2
	407 056 2307	ZENER DIODE RD36EB1		408 038 5200	ZENER DIODE EQA02-10A
D102	407 056 7906	ZENER DIODE RD5.1EB1	D655	407 012 4406	DIODE 1SS133
	407 056 8002	ZENER DIODE RD5.1EB2	D656	407 012 4406	DIODE 1SS133
D1901	407 196 7705	LED SLP-581D-51	D657	407 012 4406	DIODE 1SS133
	407 158 9204	LED SPR-39MVWF	D661	408 008 2406	DIODE 1N4148
D1901A	610 273 7929	HOLDER LED-S4KF		407 012 4406	DIODE 1SS133
D351	407 099 6003	ZENER DIODE MTZJ9.1B		407 013 4306	DIODE 1S2076A
	407 057 9701	ZENER DIODE RD9.1EB2		407 013 7109	DIODE 1S2473
D352	407 099 5204	ZENER DIODE MTZJ5.1B	D672	407 099 6102	ZENER DIODE MTZJ10B
	407 056 8002	ZENER DIODE RD5.1EB2		407 054 0008	ZENER DIODE RD10EB2
D421	407 099 7208	ZENER DIODE MTZJ16A		408 038 5200	ZENER DIODE EQA02-10A
	407 054 7007	ZENER DIODE RD16EB1	D673	408 008 2406	DIODE 1N4148
D438	407 095 8001	DIODE ERD07-15L		407 013 4306	DIODE 1S2076A
D439	407 006 4108	DIODE ERB44-04		407 013 7109	DIODE 1S2473
D441	407 006 6300	DIODE ERC05-10B	D681	407 005 7308	DIODE EM01Z
	407 009 6901	DIODE RM11C		408 035 3100	DIODE TEM01Z
	408 035 2905	DIODE TRM11C		408 037 7205	DIODE EM01Z(LYS)
	408 037 7007	DIODE RM11C(LYS)	D682	407 005 7308	DIODE EM01Z
D442	407 007 7405	DIODE EU1		408 035 3100	DIODE TEM01Z
D461	407 012 4406	DIODE 1SS133		408 037 7205	DIODE EM01Z(LYS)
D466	407 099 7802	ZENER DIODE MTZJ20A	D683	407 005 7308	DIODE EM01Z
	407 055 1707	ZENER DIODE RD20EB1		408 035 3100	DIODE TEM01Z
	408 041 0704	ZENER DIODE MTZJ20A		408 037 7205	DIODE EM01Z(LYS)
D467	408 008 2406	DIODE 1N4148	D684	407 005 7308	DIODE EM01Z
	407 012 4406	DIODE 1SS133		408 035 3100	DIODE TEM01Z
	407 013 4306	DIODE 1S2076A		408 037 7205	DIODE EM01Z(LYS)
	407 013 7109	DIODE 1S2473	D686	407 099 5303	ZENER DIODE MTZJ5.6B
D468	407 012 4406	DIODE 1SS133		407 057 0005	ZENER DIODE RD5.6EB2
D469	407 007 7405	DIODE EU1	D687	407 012 4406	DIODE 1SS133
D485	407 007 7405	DIODE EU1	D688	407 012 4406	DIODE 1SS133
D486	407 012 4406	DIODE 1SS133	D824	407 055 7907	ZENER DIODE RD3.6EL
D501	408 008 2406	DIODE 1N4148	D835	408 008 2406	DIODE 1N4148
	408 038 4906	DIODE 1S1555		407 012 4406	DIODE 1SS133
	407 013 4306	DIODE 1S2076A		407 013 4306	DIODE 1S2076A
	407 013 7109	DIODE 1S2473		407 013 7109	DIODE 1S2473
D502	407 012 4406	DIODE 1SS133	D836	408 008 2406	DIODE 1N4148
D507	407 118 2207	ZENER DIODE 1Z75		407 012 4406	DIODE 1SS133
D512	407 005 7308	DIODE EM01Z		407 013 4306	DIODE 1S2076A
	407 005 8602	DIODE ERA15-02		407 013 7109	DIODE 1S2473
	408 009 9008	DIODE BYD33D	MISCELLANEOUS		
	408 035 3100	DIODE TEM01Z	△ F601	423 028 8603	FUSE 250V 4A
	408 037 7205	DIODE EM01Z(LYS)		423 024 8409	FUSE 250V 4A
D601	407 124 9801	DIODE RBV-608	F601-1	645 040 3576	HOLDER, FUSE
D601A	610 285 7672	HEAT SINK D-C2SG	F601-2	645 040 3576	HOLDER, FUSE
D601C	412 008 6807	SCR D-TPG PAN 3X8E	A101	645 028 1075	TUNER, U/V
D614	408 008 2406	DIODE 1N4148	A1901	645 041 1519	UNIT, REMOCON RECEIVER
	407 012 4406	DIODE 1SS133	K1101	645 016 6433	JACK, RCA-3
	407 013 4306	DIODE 1S2076A	PS601	408 024 1605	THERMISTOR PTH451C462BD14
△ D615	407 013 7109	DIODE 1S2473		408 043 8104	THERMISTOR PTH451C140Q21
	407 104 2402	PHOTO COUPLE PC817C	SW1901	645 003 4701	SWITCH, PUSH 1P-1TX1
	407 106 6101	PHOTO COUPLE PC817D		645 019 4887	SWITCH, PUSH 1P-1TX1
D616	408 008 2406	DIODE 1N4148	SW1902	645 003 4701	SWITCH, PUSH 1P-1TX1
	407 012 4406	DIODE 1SS133		645 019 4887	SWITCH, PUSH 1P-1TX1
	407 013 4306	DIODE 1S2076A	SW1903	645 003 4701	SWITCH, PUSH 1P-1TX1
	407 013 7109	DIODE 1S2473		645 019 4887	SWITCH, PUSH 1P-1TX1
D617	407 007 7603	DIODE EU2	SW1904	645 003 4701	SWITCH, PUSH 1P-1TX1
	407 007 7801	DIODE EU2Z		645 019 4887	SWITCH, PUSH 1P-1TX1
D619	407 063 8309	ZENER DIODE MTZJ11C	SW1905	645 003 4701	SWITCH, PUSH 1P-1TX1
	407 054 1807	ZENER DIODE RD11EB3		645 019 4887	SWITCH, PUSH 1P-1TX1
D631	407 129 7000	DIODE RU4AM LF-L1	SW1906	645 003 4701	SWITCH, PUSH 1P-1TX1
D633	407 210 5700	DIODE RN1Z			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
△ SW601	645 019 4887	SWITCH, PUSH 1P-1TX1			
	645 003 6811	SWITCH, PUSH POWER 2P-2T			
	645 017 0928	SWITCH, PUSH POWER 2P-2T			
VA601	407 130 2902	VARISTOR ENC471D-14A			
	407 171 2008	VARISTOR ERZV14D471			
X131	610 012 0464	CERAMIC FILTER 5.5MHZ			
X161A	421 008 9107	SAW F TSF5415P			
X182	610 015 2854	TRAP, CERAMIC 5.5MHZ			
	645 030 5696	TRAP, CERAMIC 5.5MHZ			
X211	645 031 0416	OSC, CRYSTAL 4.433619MHZ			
	645 042 6940	OSC, CRYSTAL 4.433619MHZ			
X213	610 204 4195	CRYSTAL OSCILLATOR			
	610 245 9746	CRYSTAL OSCILLATOR			
	610 211 6441	CRYSTAL OSCILLATOR			
	610 012 0655	CRYSTAL OSCILLATOR			
X361	645 030 1889	OSC, CERAMIC 503KHZ			
X801	645 000 6692	OSC, CERAMIC 8.00MHZ			

