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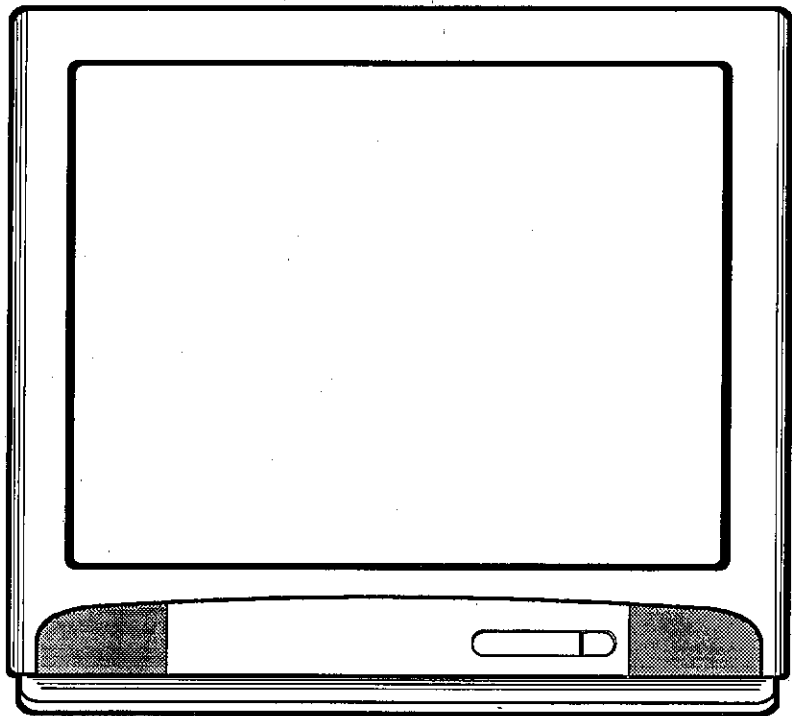
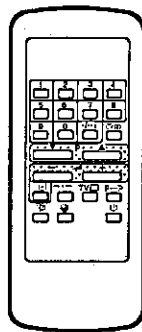
SERVICE MANUAL

Colour Television

Model No. C25PG51

(Australia)

Service Ref. No. C25PG51-00



Specifications

Power Source..... AC 220 - 240 Volts, 50Hz.

Colour System..... PAL-B/G
and Television System (AV INPUT: PAL/NTSC/NTSC4.43)

Channel Coverage.....
VHF: 0 - 5, 5A, 6 - 11
UHF: 28- 69

Video IF..... 36.875MHz

Sound IF..... 31.375MHz

Aerial Input Impedance..... 75 Ω

Ext. Terminals..... AV inputs:
Video inputs: Phono jack x 1
Audio inputs: Phono jack x 1
AV outputs:
Video outputs: Phono jack x 1
Audio outputs: Phono jack x 1
Headphone Jack: Mini. Jack x 1

Sound Output (Music)..... 5.0 W

Dimensions..... 588(W)x531(H)x455(D)mm

Weight(approx.)..... 26.3 Kg

Product Code: 1 113 220 17

Original Version

Chassis Series: AA1 - 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.

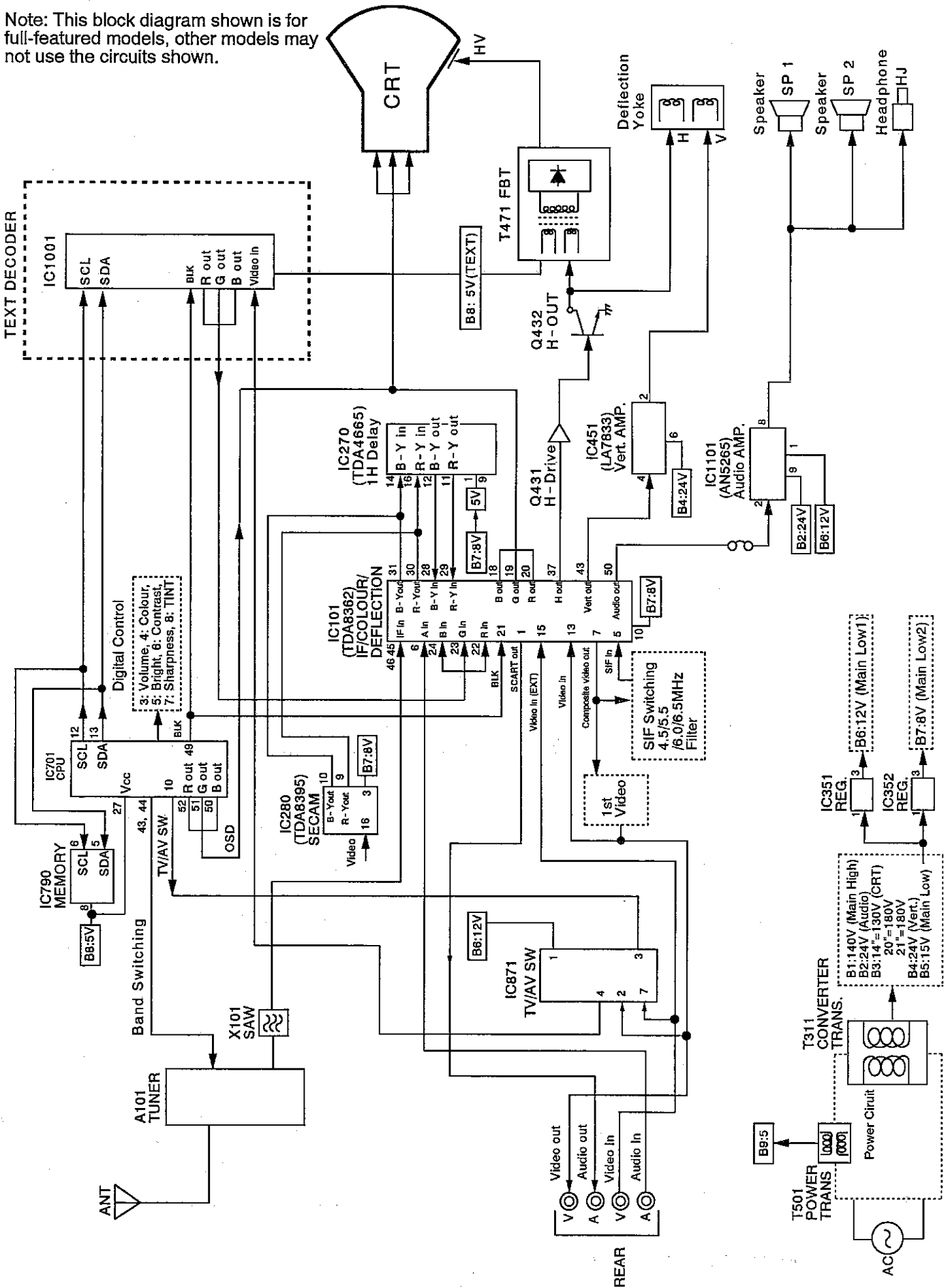
This T.V. receiver will not work properly in foreign countries where the television transmission system and power source differ from the design specifications. Refer to the specification table.

Specifications subject to change without notice.

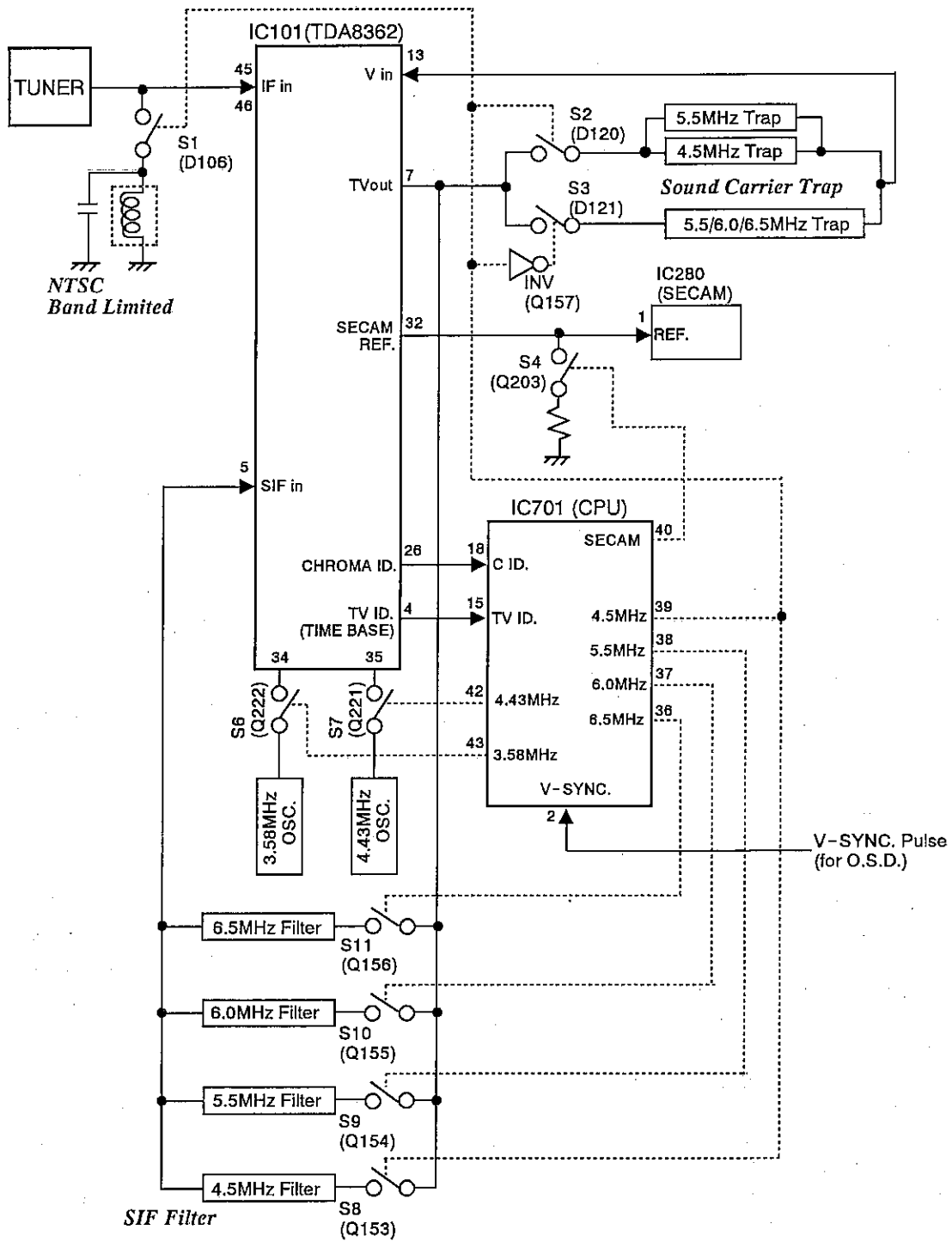
604m6

Block Diagram (For multi-standard model)

Note: This block diagram shown is for full-featured models, other models may not use the circuits shown.



Block Diagram (For multi-standard model)



Circuit Description

1. POWER SUPPLY

The power supply circuit of the AA1 - A chassis is composed of a rectifier smoothing circuit, an oscillation circuit, a control circuit and an output rectifier circuit.

The AC input voltage is full-wave rectified by the rectifier smoothing circuit, and an unstable DC voltage is generated at both terminals of the smoothing capacitor C307. This voltage is input to the oscillation circuit. The oscillation circuit is provided with a blocking oscillator circuit that switches the switching transistor Q313 ON and OFF, and an oscillation frequency and a duty square wave pulse are generated in the input windings according to operation of the control circuit. A square-wave pulse whose size is dependent on the turn ratio of the input and output windings is obtained in the output winding. This is rectified in the output rectifier circuit, and the desired DC voltage is obtained.

2. IF & DEFLECTION

The IF output signal from the tuner passes through the SAW filter, and it is input to pin45 and pin46 of IC101.

The signal input to the IC passes through the IF amplifier, video detection and video amplifier circuits and is output from pin7 as a composite video signal.

And after this signal is converted to impedance at Q134, supplies to the video and chroma amplifier stages.

The output signal from pin7 passes through the 5.5MHz(B/G)/6.0MHz(I)/6.5MHz(D/K)/4.5MHz(M) filtering circuit, and it is input to pin5 of IC101. The signal input to the IC passes through the SIF amplifier, FM detector, external audio switch and audio output circuit, and it is then output from pin50 as audio drive signal.

The sync.- separation circuit separates the video signals applied to pin13 or pin15 to vertical- and horizontal- sync. signals respectively.

The horizontal oscillator requires no external components and is fully integrated. The oscillator is always running when the start- pin36 is supplied with 8V.

Horizontal drive signal is output from pin37. VR401 is for adjustment of the horizontal centering.

The separated vertical sync. signal from sync. separation circuit passes through the vertical- separation circuit, and applied to trigger divider circuit.

The horizontal oscillation pulse and input vertical sync. pulse are monitored by the trigger divider circuit, and switching 50Hz and 60Hz system, the vertical amplitude automatically adjusted for 50Hz and 60Hz.

The output signal from the trigger divider is triggered vertical oscillation circuit consisting of R401, C402 and pin42, and vertical drive pulse is output from pin43. VR451 is for changing the amount of AC feedback applied to pin41 and for adjustment of the vertical amplitude.

3. VIDEO CHROMA

The composite video signal output from the pin7 of IC101 passes through Q122/ Q134, and it is supplied to pin13. The external video signal output from AV terminal passes through IC801, and it is supplied to pin15.

The video signal input to pin13 or pin15 is separated to luminance (Y) signal and chroma signal in IC101. These pins are used in common with H/V - sync. separation input.

The peaking of Y signal is adjusted by DC voltage of pin14. ("SHARPNESS" control)

The chroma signal is divided into R - Y, B - Y chroma signals, demodulated in IC101,

and output from pin30 (R - Y) and pin31 (B - Y). These chroma signals pass through the 1H delay line circuit (IC270), and they are input to pin29 (R - Y) and pin28 (B - Y). These R - Y/B - Y signals pass through RGB matrix circuit and RGB selector circuit of IC101. The internal RGB signals are generated in RGB matrix circuit and the RGB selector, consisting linear amplifiers, clamps and selects either the internal RGB signals or the external RGB signals input from pin22 (R), pin23 (G), pin24 (B). Selection is controlled by the voltage at the RGB switch control (pin21) and mixed RGB modes are possible since RGB switching is fast.

The RGB switch also functions as a fast blanking pin by blanking the RGB output stages; here internal and external RGB signals are overruled.

The colour gain is controlled by DC voltage of pin26. ("COLOUR" control)

The contrast control voltage present at pin25, controls the RGB signal gain, and the brightness control voltage present at pin17 controls DC level of RGB signals.

The RGB signals are finally buffered before being available at the RGB output pins [pin20 (R), pin19 (G), pin18 (B)].

4. AUDIO OUTPUT

The audio signal output from pin50 of IC101 is input to pin2 of IC1101 and passes through the pre - amplifier circuit and drive circuit, after which it is input to the audio amplifier. The audio amplifier is an SEPP (Single - Ended Push Pull) type and output to pin8 to directly drive the speaker.

Circuit Description

5. VERTICAL OUTPUT

An IC (LA7833) is used for the vertical output circuit in this chassis. The vertical drive pulse from pin43 of IC101 is input to pin4 of IC451. This pulse drives IC451, and vertical scanning is performed. In the first half of scanning a deflecting current is output from pin2 and passes through the following path:

Vcc(B4) → D451 → pin3 → pin2 → DY → C461 → VR451/R459.

An electric charge is then stored in C461. In the last half of scanning the current path is:

C461 → DY → pin2 → pin1 → VR451/R459 → C461

In this way, an amplifying sawtooth waveform current flows directly to DY to perform electron beam deflection. Next, in the first half of the blanking period the vertical drive pulse suddenly becomes OFF, and in order to reduce the current flowing to DY, the current path becomes as follows by the inductance of DY:

DY → pin2 → pin1 → VR451/R459 → C461 → DY

Also, when the charge of DY has dissipated, the current path becomes:

Vcc → pin6 → pin7 → C452 → pin3 → pin2 → DY → C461 → VR451/R459

and when the prescribed current value is reached, the vertical drive pulse becomes ON. This completes one cycle.

6. HORIZONTAL OUTPUT

A horizontal oscillation signal is output from pin37 of IC101 and switches the drive transistor Q431. This switching signal is current amplified by the drive transformer T431 and drives the output transistor Q432. When Q432 becomes ON, an amplifying current flows directly to DY through

C441/C442 → L441/R441 → DY → Q432-C → Q432-E

and deflection is performed in the last half of the scanning period. Next, when Q432 becomes OFF, the charge that had been stored in DY up to that point releases a resonance current to the resonant capacitors C420 and C423 and charges them. The current stored in C420 and C423 is then flowed back to DY, and an opposite charge is then stored in DY. This opposite charge then switches the dumper diode in Q432 ON, the resonance state is completed, and an amplifying current is then flowed again

directly to DY through the dumper diode.

By this means, deflection in the first half of the scanning period is performed, and when Q432 becomes ON at the end of the first half of the scanning period, deflection during the last half is begun, thus completing one cycle.

7. SYSTEM SWITCHING

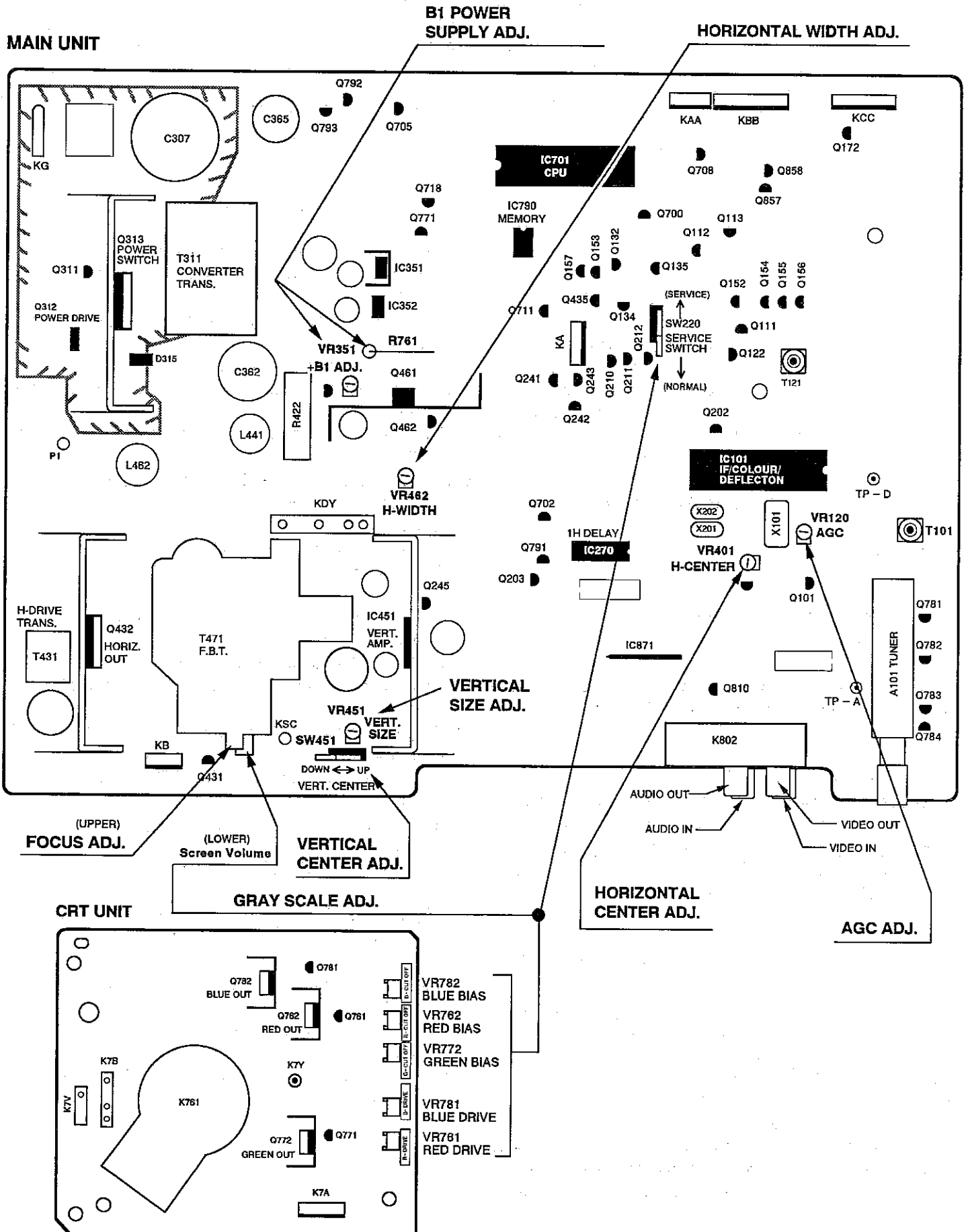
(For multi-standard model)

The system switches (S1 - S11) are used for multi-standard model.

(Refer to Block Diagram of system switching circuit)

- S1:** Switch for band-limiting on NTSC(3.58) mode (D106)
This switch is driven by ON/OFF signal of CPU (pin39).
- S2:** Switch for sound carrier trap on NTSC(3.58) mode (D120)
This switch is driven by signal of CPU (pin39) too.
- S3:** Switch for sound carrier trap except NTSC(3.58) mode (D121)
This switch is driven by inverting signal of CPU (pin39).
- S4:** System switch for forced SECAM mode (Q203)
This switch is driven by ON/OFF signal of CPU (pin40).
- S6:** System switch for forced 4.43 mode (Q222)
This switch is driven by ON/OFF signal of CPU (pin41).
- Note:** When the colour system is set to "AUTO", both S6 and S7 will turn on.
- S7:** System switch for forced 3.58 mode (Q221)
This switch is driven by ON/OFF signal of CPU (pin42).
- S8:** System switch for 4.5MHz filtering on NTSC(3.58) mode (Q153)
This switch is driven by ON/OFF signal of CPU (pin39).
- S9:** System switch for 5.5MHz filtering on B/G mode (Q154)
This switch is driven by ON/OFF signal of CPU (pin38).
- S10:** System switch for 6.0MHz filtering on I mode (Q155)
This switch is driven by ON/OFF signal of CPU (pin37).
- S11:** System switch for 6.5MHz filtering on D/K mode (Q156)
This switch is driven by ON/OFF signal of CPU (pin36).
- Note:** When the TV system is set to "AUTO", S8, S9, S10 and S11 will turn on.

Service Adjustments



Service Adjustments

SAFETY PRECAUTIONS : An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.

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 emission. 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 maintain within specified limit. Refer to this service manual for specific high voltage limits. 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.

AGC ADJUSTMENT

NOTE; Do not attempt this adjustment with weak signal.

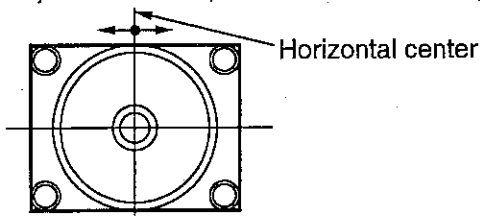
- (1) Tune the receiver to most clearest (or strongest) VHF station in your area. Set the brightness and contrast controls to maximum. Set the colour control to minimum.
- (2) Set AGC (VR120) control to mid-range.
- (3) Turn AGC control in direction which causes snow to appear, then in the opposite direction until the snow just disappears.

B1 POWER SUPPLY ADJUSTMENT

- (1) Connect DC meter to R761 (VR351 side) and the ground. Set the +B1 adjustment control (VR351) to mid-range.
- (2) Set the brightness and contrast to normal. Tune the receiver to an active channel and synchronized picture.
- (3) Adjust +B1 adjustment control (VR351) for 140 ± 0.5 volt DC.

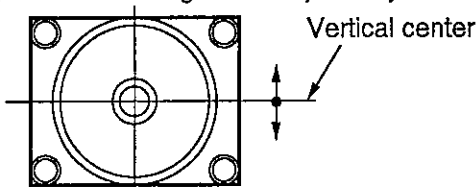
HORIZONTAL CENTER ADJUSTMENT

- (1) Receive the monochrome circular pattern.
- (2) Set the brightness and contrast to normal.
- (3) Adjust VR401 for optimum horizontal center position.



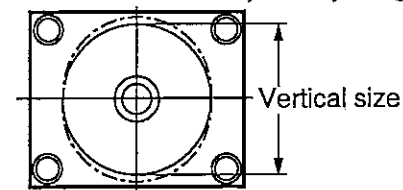
VERTICAL CENTER ADJUSTMENT

- (1) Receive the monochrome circular pattern.
- (2) Set the brightness and contrast to normal.
- (3) Vertical centering can be adjusted by switching SW451.



VERTICAL SIZE ADJUSTMENT

- (1) Receive the monochrome circular pattern.
- (2) Set the brightness and contrast to normal.
- (3) Vertical size can be adjusted by using VR451.



FOCUS ADJUSTMENT

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

GREY SCALE ADJUSTMENT

- (1) Receive the monochrome circular pattern.
- (2) Set the brightness and the contrast to maximum.
- (3) Set the drive volume (VR761 and VR781) at their mechanical center.
- (4) Set the bias volume (VR762, VR772 and VR782) to minimum. (fully counter clockwise).
- (5) Set the service switch (SW220) to the service side.
- (6) Turn the screen volume on the FBT to obtain just visible one coloured line.
- (7) Adjust each bias volume (VR782 - blue, VR772 - green and VR762 - red) alternately until a dim white line produced.
- (8) Set the service switch (SW220) to the normal side.
- (9) Adjust the drive volume (VR781 - blue and VR761 - red) alternately to produce normal black and white picture.
- (10) Check for proper grey scale tracking at all brightness levels.

NOTE : If the grey scale adjustment is made after picture tube replacement, check high voltage and sub-brightness adjustment.

H-WIDTH ADJUSTMENT

- (1) Receive the monochrome circular pattern.
- (2) Set the brightness and contrast to normal.
- (3) If the picture is too wide or narrow, adjust the horizontal width using VR462.

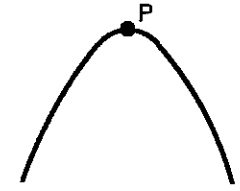
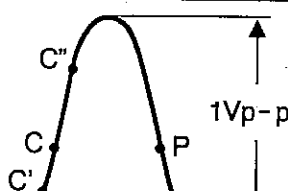
NOTE: The horiz. width adjustment affects the high voltage. Therefore, recheck the high voltage.

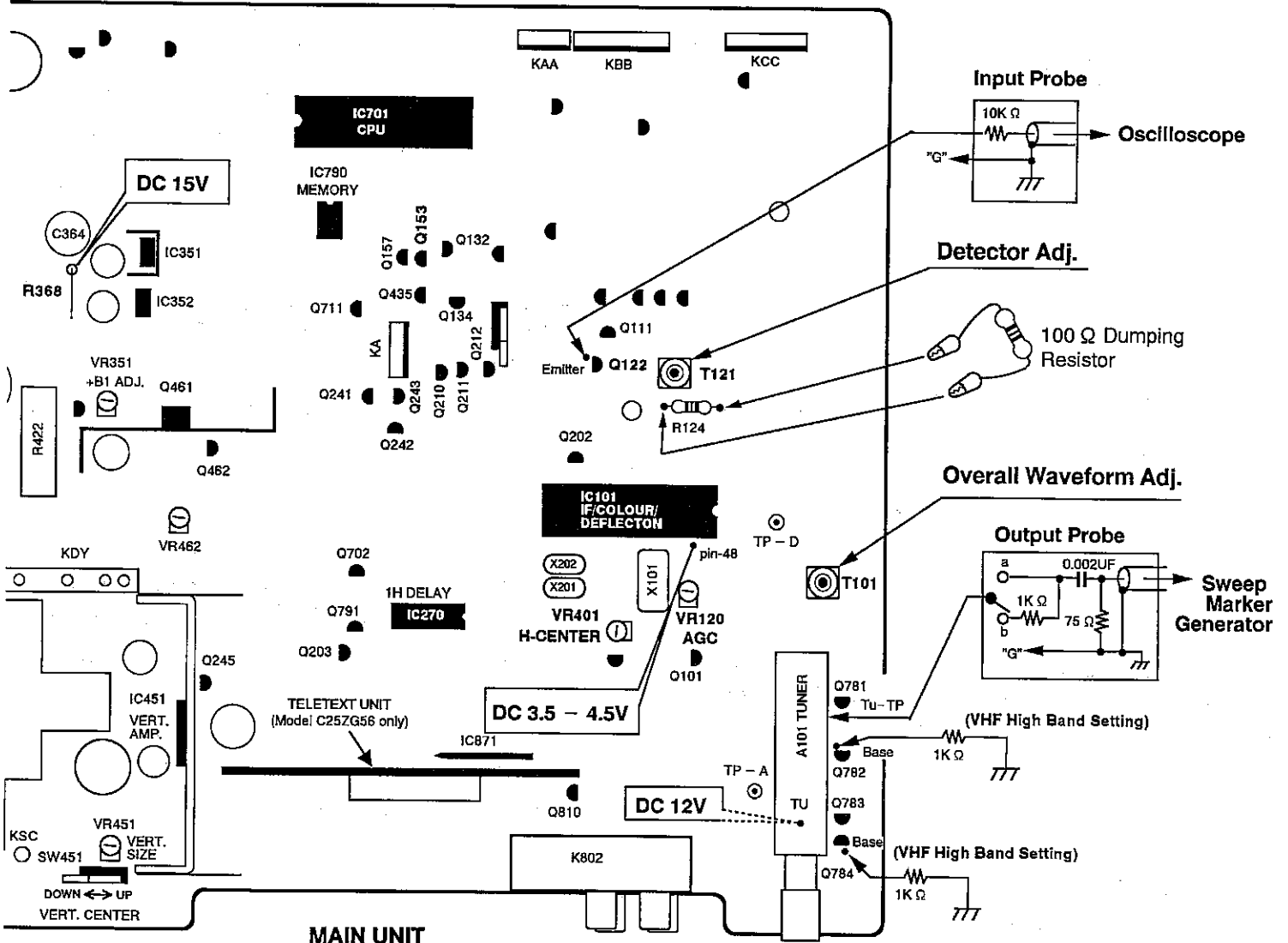
HIGH VOLTAGE CHECK

- (1) Connect a high voltage probe to anode lead of the picture tube.
- (2) Receive the monochrome circular pattern.
- (3) Set the brightness and contrast to maximum.
- (4) The high voltage must be between $28-30 \pm 1$ KV.

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

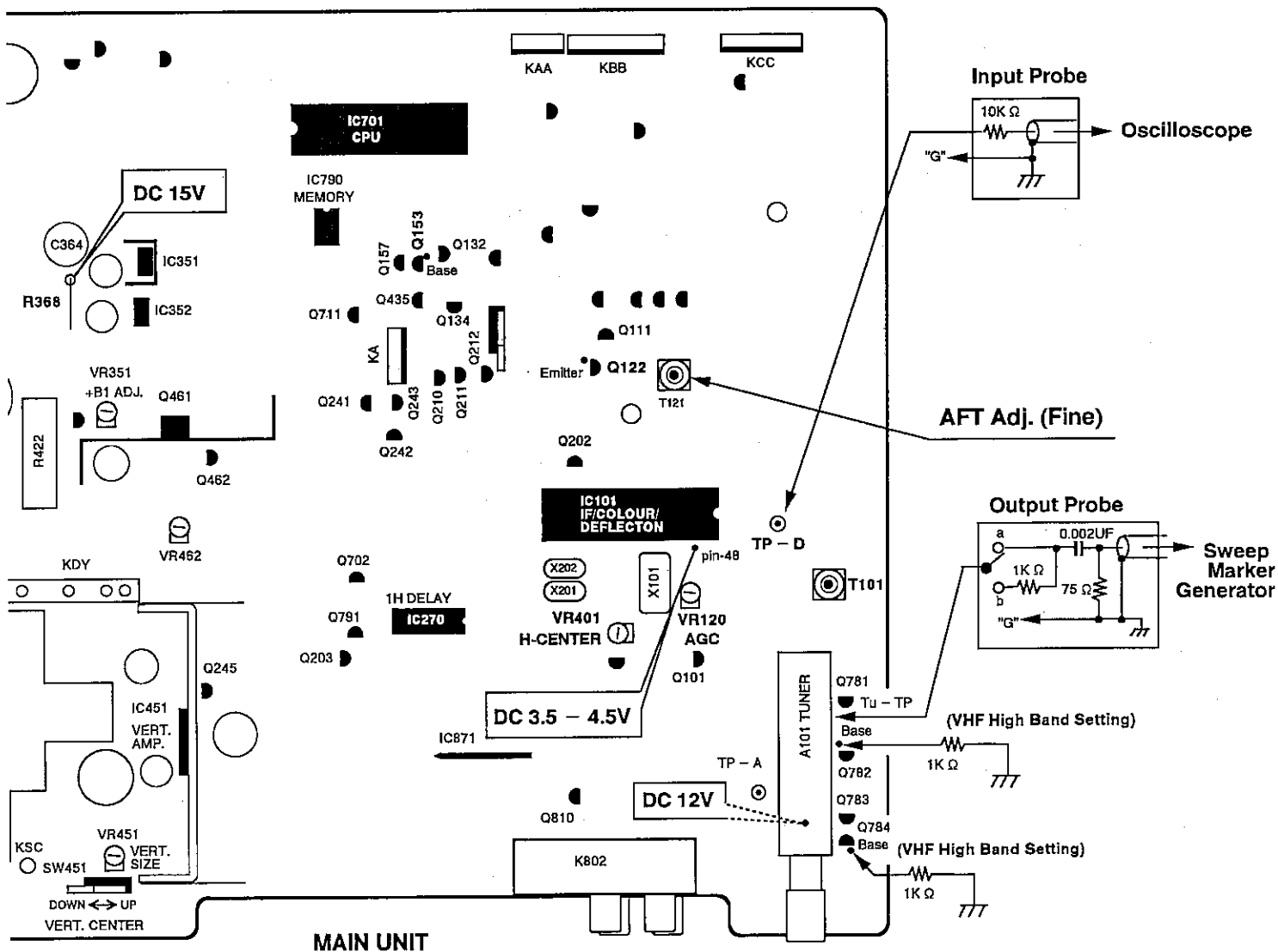
VIF Adjustment

Item	Detector Adj.	Overall Waveform Adj.
Connection DC 15V IF AGC(3.5-4.5V) BAND Output Probe Input Probe TU 12V Dumping Resistor	R368(C364 side) IC101 - pin48 VH (Q782 and Q784-Base → Ground, through 1k Ω resistor) Tuner-TP Q122- Emitter Tuner-TU Not used	R368(C364 side) IC101 - pin48 VH (Q782 and Q784-Base → Ground, through 1k Ω resistor) Tuner-TP Q122- Emitter Tuner-TU 100 Ω Dumping Resistor → R124
Condition Sweep ATT. Output Probe Oscilloscope Sens.	25 dB side b 100mV/DIV	25 dB side b 100mV/DIV
Adjustment	Adjust P (38.9MHz) to be maximum amplitude by using T121.	By using tuner converter coil and T101, adjust the marker position to be P(36.875MHz)=45% ± 10%, C(32.445MHz) =45% ± 10%
Waveform		 <p>1Vp-p</p>



AFT Adjustment

Item	AFT Adj. (Rough)	AFT Adj. (Fine)
Connection DC 15V IF AGC(3.5-4.5V) BAND Output Probe Input Probe TU 12V	R368(C364 side) IC101 - pin48 VH (Q782 and Q784-Base → Ground, through 1k Ω resistor) Tuner-TP TP-D Tuner-TU	R368(C364 side) IC101 - pin48 VH (Q782 and Q784-Base → Ground, through 1k Ω resistor) Tuner-TP TP-D Tuner-TU
Condition Sweep Att. SG Output Att. Output Probe Oscilloscope Sens.	25 dB 30 dB side b 1V/Div	25 dB 30 dB side b 1V/Div
Adjustment	Keep IF AGC voltage which was adjusted VIF adjustment. Conform the marker position P(36.875MHz) near by the Ref. line.	Set the VIF Adjustor Sweep off and Pix SG to CW output. By using T121, adjust DC voltage to be $3.6V \pm 0.2V$.
Waveform		



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:

PURITY ADJUSTMENT

1. Demagnetize the picture tube and receiver using an external degaussing coil. When replacing picture tube or deflection yoke, mount deflection yoke and purity - convergence magnets assembly properly, see figures 1 and 4.
2. Turn Red and Blue guns off and provide only Green raster. Rotate Screen control to fully counterclockwise. Rotate Red and Blue Bias controls fully counterclockwise. Slowly rotate Green Bias control clockwise to produce Green raster.
3. Loosen the screw holding the Deflection Yoke and remove the 3 Rubber Wedges, and slide the Deflection Yoke fully forward.
4. Rotate and spread the Tabs of the two Purity Magnets to center the vertical green belt in the picture screen. The Purity Magnets are also adjusted to obtain vertical centering of the raster.
5. Slowly slide the Deflection Yoke backward until a uniform green screen is obtained.
6. Check the purity of the red and blue screens for uniformity, turn off other colours to check this (use bias controls). Readjust the yoke position if necessary until all screens are pure.
7. Adjust each Bias control and screen control to obtain white raster. Refer to Gray Scale Adjustment. If part of the picture screen is coloured, adjust the Deflection Yoke position forward or backward slightly.

8. Tighten the mounting screw of the Deflection Yoke. Adjust Convergence next.

CENTER CONVERGENCE ADJUSTMENT

1. Use a dot crosshatch pattern signal.
2. Turn Red and Blue guns on and turn off Green gun. Adjust the angle between the Tabs of the Four Pole Magnet 1 and 2, and superimpose the Red and Blue vertical lines in the center area of the picture screen. Refer to figure 2.
3. Keeping the mutual angle of the Tabs of the Four Pole Magnet turn them together to superimpose the Blue and Red horizontal lines in the center area of the picture screen. Refer to figure 2.
4. Turn Green gun on and adjust Six Pole Magnet 3 and 4 s that the Green line superimposed on the Red/Blue lines. This is the same procedure used in steps 2 and 3. Refer to figure 3.

OUTER AREA CONVERGENCE ADJUSTMENT

Slightly loosen the screw holding the Deflection Yoke. Adjust the Deflection Yoke to converge the detail in the outer area (left side and right side) of the picture screen by orbital movement of the front of the Yoke, then secure the Deflection Yoke in appropriate position by putting the wedges as illustrated. Tighten screw holding the Deflection Yoke.

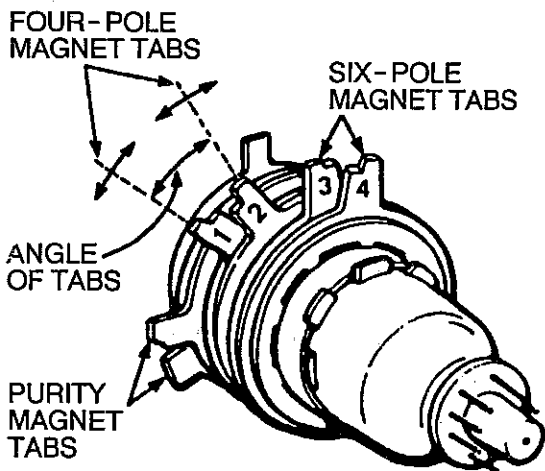


Figure-1. PURITY AND CONVERGENCE MAGNETS

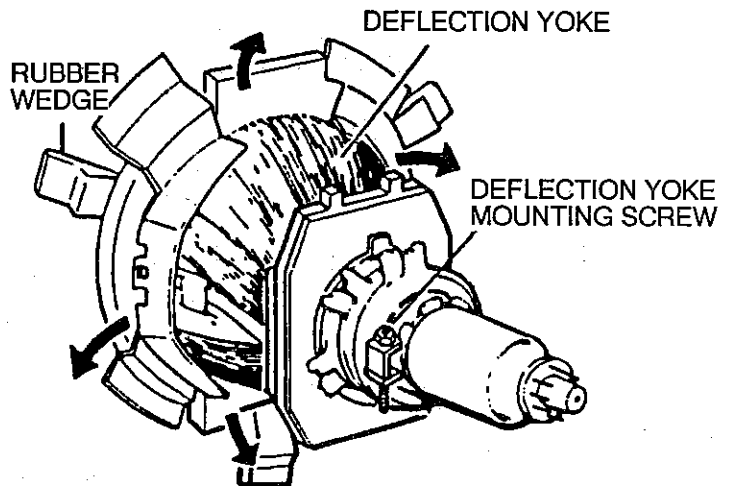


Figure-4. ADJUSTMENT DEFLECTION YOKE

Adjust tabs angle to superimpose blue and red vertical line

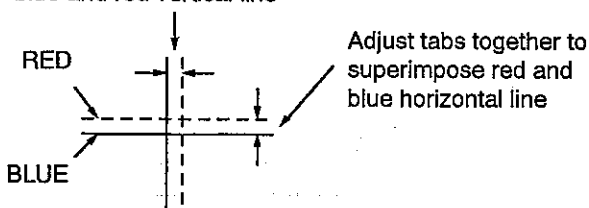


Figure-2 BLUE AND RED LINE MOVEMENT

Adjust tabs angle to superimpose red/blue and green vertical line

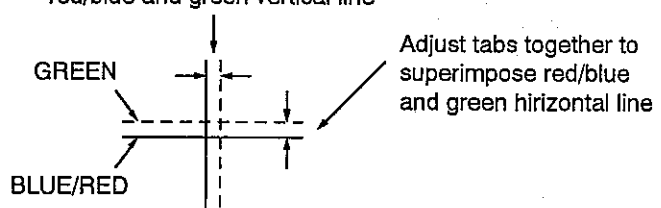
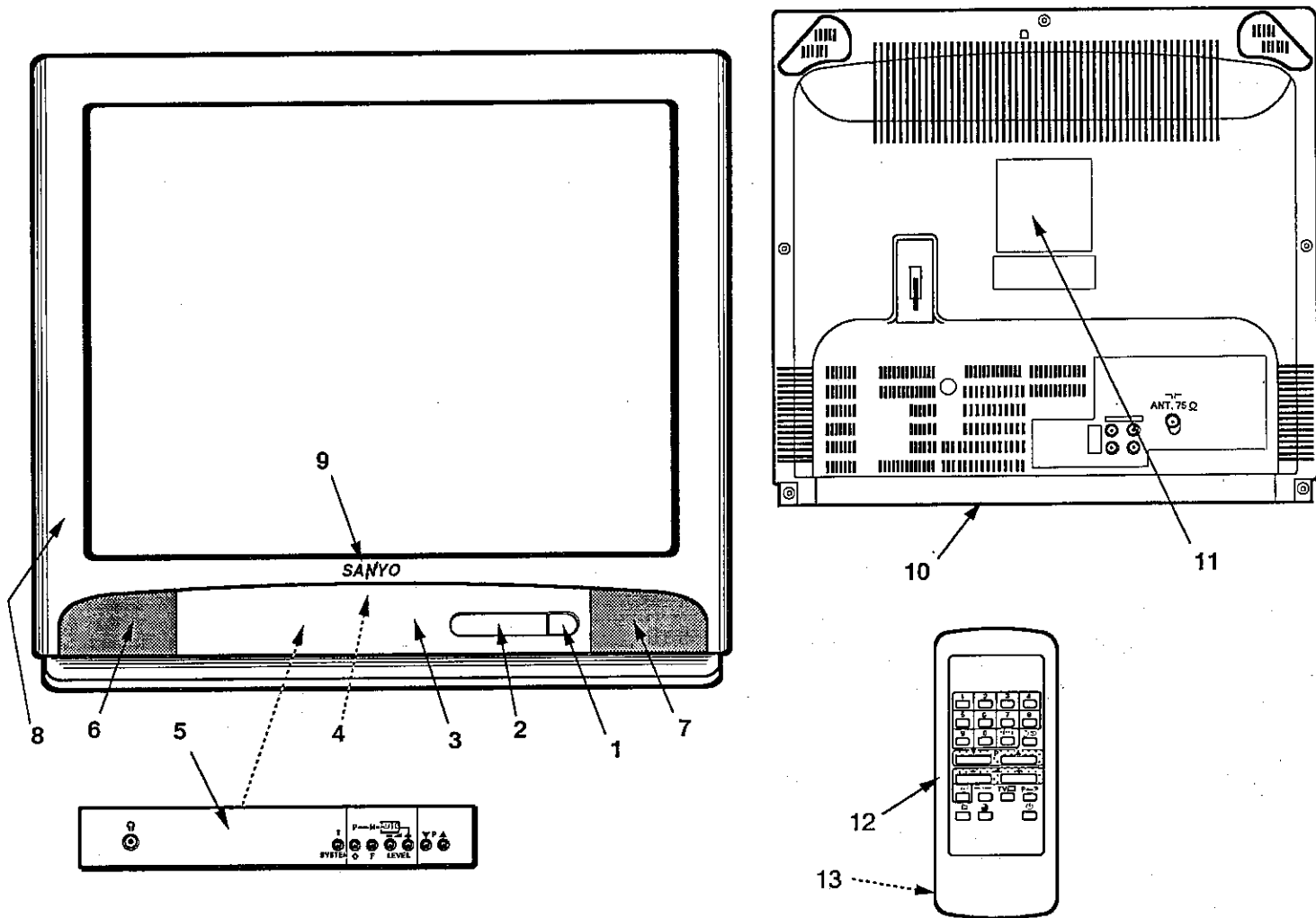


Figure-3 BLUE/RED AND GREEN LINE MOVEMENT

CABINET PARTS LIST

Note : Parts order must contain Service Ref. No., Key No., Parts No., and Description.

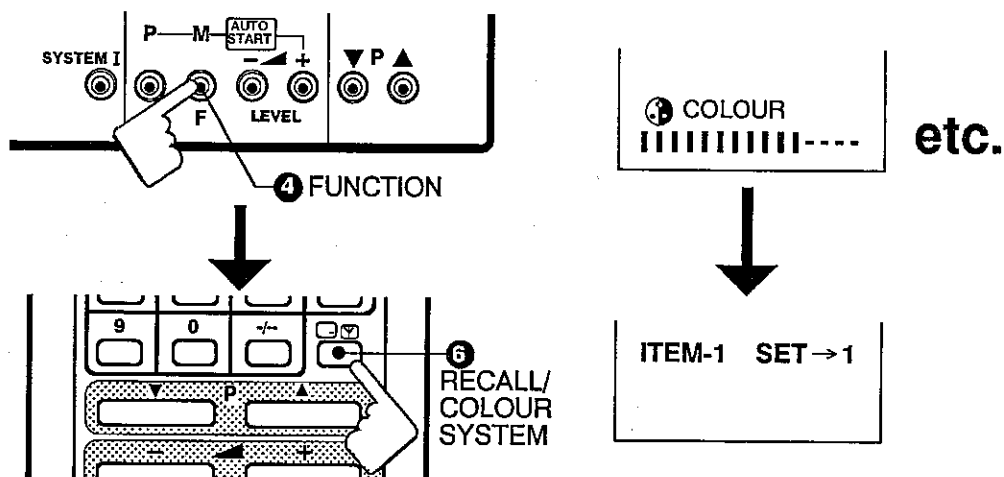


Key No.	Part No.	Description	Key No.	Part No.	Description
1.	610 254 2295	POWER BUTTON	10.	610 255 6728	CABINET BACK
	610 252 8725	SPRING(for Power Button)	11.	610 255 6957	LABEL RATING-E8EW
2.	610 255 6797	DEC INLAY			
3.	610 255 6759	DOOR	12.	645 002 0636	ASSY, REMOCON JXRA
			13.	610 247 0178	RC BATTERY LID
4.	645 006 2919	LATCH PUSH			
5.	610 256 1418	DEC CONTROL SHEET		610 255 6896	INSTRUCTIONS MANUAL
6.	610 255 6773	DEC SP L			
7.	610 255 6780	DEC SP R			
8.	610 255 6704	ASSY, CABINET FRONT			
9.	645 003 9256	SANYO BADGE			

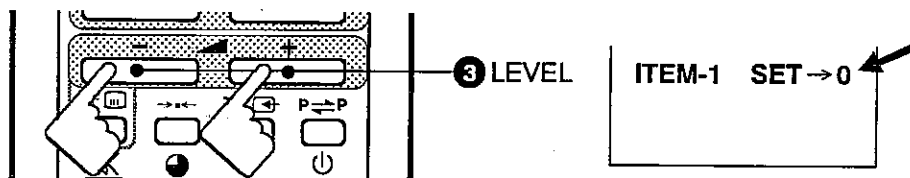
Memory IC (IC790) Replacement (Important Note !)

When Memory IC (IC790) is replaced, it is necessary to make the initializing of IC790 as following procedure.

- 1 Switch off the TV set.
- 2 Replace IC790.
- 3 Switch on the TV set, and set to the TV mode.
- 4 Press and hold the **FUNCTION** ④ button on the front control panel of the TV set, then press the **RECALL/COLOUR SYSTEM** ⑥ button on the remote control transmitter.



- 5 If the setting data is " 1 ", select "0" by pressing **LEVEL** (+ or -) ③ button.



- 6 Press the **RECALL/COLOUR SYSTEM** ⑥ button to return to the normal TV mode.

The initializing is now completed.

REMARKS: If there is mistaking the procedure, switch off the TV set and repeat steps (3) to (6).

- 7 Make the channel pre-setting operations to allocate the TV channels (Refer to the instruction manual of this TV set).

CHASSIS ELECTRICAL PARTS LIST

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: Part 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
<p>Read description in the Capacitor and Resistor as follows:</p> <p>CAPACITOR CERAMIC 100P K 50V</p> <p style="margin-left: 100px;">└─── Rated Voltage</p> <p style="margin-left: 100px;">└─── Tolerance Symbols: Less than 10PF A: Not specified B: ± 0.1PF C: ± 0.25PF D: ± 0.5PF F: ± 1PF G: ± 2PF R: $+0.25 - 0$PF S: $+0 - 0.25$PF E: $+0 - 1$PF</p> <p style="margin-left: 100px;">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: $+100 - 0\%$ Q: $+30 - 10\%$ T: $+50 - 10\%$ U: $+75 - 10\%$ V: $+20 - 10\%$ W: $+100 - 10\%$ X: $+40 - 20\%$ Y: $+150 - 10\%$ Z: $+80 - 20\%$</p> <p style="margin-left: 100px;">└─── Rated value: P=pico farad, U=Micro farad</p> <p>Material:</p> <ul style="list-style-type: none"> 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- polarized Electrolytic OS- SOLID.....Aluminium Solid with Organic Semiconductive Electrolytic DL- ELECT.....Double Layered Electrolytic <p>RESISTOR CARBON 4.7K J A 1/4W</p> <p style="margin-left: 100px;">└─── Rated Wattage</p> <p style="margin-left: 100px;">└─── Performance Symbols: A: General B: Non flammable Z: Low noise Other: Temperature coefficient</p> <p style="margin-left: 100px;">└─── 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: $+5 - 15\%$</p> <p style="margin-left: 100px;">└─── Rated value, ohms: K:1,000, M:1,000,000</p> <p>Material:</p> <ul style="list-style-type: none"> CARBON.....Carbon MT- FILM.....Metal Film OXIDE- MT.....Oxide Metal Film SOLID.....Composition MT- GLAZE.....Metal Glaze WIRE WOUND.....Wire Wound CERAMIC RES.....Ceramic FUSIBLE RES.....Fusible 			<p>610 255 0955 ASSY, PWB, MAIN E8EW 1AA0B10E11300</p> <p>TRANSISTOR</p> <p>Q101 405 013 3305 TR 2SC2216 (SAN)</p> <p>Q111 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 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 2SC1815-0 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP</p> <p>Q122 406 000 6804 TR 2SA1015-GR (SAN) 405 001 7407 TR 2SA1015-0 (SAN) 405 001 7605 TR 2SA1015-Y (SAN) 405 004 3109 TR 2SA564A-Q (CU) 405 004 3208 TR 2SA564A-R (CU) 405 004 4205 TR 2SA608-E-CTV-NP 405 004 4809 TR 2SA608-F-CTV-NP 405 006 1103 TR 2SA933-Q 405 006 1202 TR 2SA933-R 405 006 1707 TR 2SA933S-Q 405 006 1806 TR 2SA933S-R</p> <p>Q132 406 000 6804 TR 2SA1015-GR (SAN) 405 001 7407 TR 2SA1015-0 (SAN) 405 001 7605 TR 2SA1015-Y (SAN) 405 004 3109 TR 2SA564A-Q (CU) 405 004 3208 TR 2SA564A-R (CU) 405 004 4205 TR 2SA608-E-CTV-NP 405 004 4809 TR 2SA608-F-CTV-NP 405 006 1103 TR 2SA933-Q 405 006 1202 TR 2SA933-R 405 006 1707 TR 2SA933S-Q 405 006 1806 TR 2SA933S-R</p> <p>Q134 406 000 6804 TR 2SA1015-GR (SAN) 405 001 7407 TR 2SA1015-0 (SAN) 405 001 7605 TR 2SA1015-Y (SAN) 405 004 3109 TR 2SA564A-Q (CU) 405 004 3208 TR 2SA564A-R (CU) 405 004 4205 TR 2SA608-E-CTV-NP 405 004 4809 TR 2SA608-F-CTV-NP 405 006 1103 TR 2SA933-Q 405 006 1202 TR 2SA933-R 405 006 1707 TR 2SA933S-Q 405 006 1806 TR 2SA933S-R</p> <p>Q135 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R</p>

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
	405 011 8609	TR 2SC1740S-S		405 006 1202	TR 2SA933-R
	405 012 2002	TR 2SC1815-GR		405 006 1707	TR 2SA933S-Q
	405 012 2101	TR 2SC1815-0		405 006 1806	TR 2SA933S-R
	405 012 2309	TR 2SC1815-Y	0221	406 000 6804	TR 2SA1015-GR (SAN)
	405 019 1909	TR 2SC536-E-NP		405 001 7407	TR 2SA1015-0 (SAN)
	405 019 2708	TR 2SC536-F-NP		405 001 7605	TR 2SA1015-Y (SAN)
	405 019 3804	TR 2SC536-G-NP		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		405 004 4205	TR 2SA608-E-CTV-NP
0172	405 020 7907	TR 2SC945A-RA		405 004 4809	TR 2SA608-F-CTV-NP
	405 011 7305	TR 2SC1740-Q		405 006 1103	TR 2SA933-Q
	405 011 7404	TR 2SC1740-R		405 006 1202	TR 2SA933-R
	405 011 7503	TR 2SC1740-S		405 006 1707	TR 2SA933S-Q
	405 011 8401	TR 2SC1740S-Q		405 006 1806	TR 2SA933S-R
	405 011 8500	TR 2SC1740S-R	0222	406 000 6804	TR 2SA1015-GR (SAN)
	405 011 8609	TR 2SC1740S-S		405 001 7407	TR 2SA1015-0 (SAN)
	405 012 2002	TR 2SC1815-GR		405 001 7605	TR 2SA1015-Y (SAN)
	405 012 2101	TR 2SC1815-0		405 004 3109	TR 2SA564A-Q (CU)
	405 012 2309	TR 2SC1815-Y		405 004 3208	TR 2SA564A-R (CU)
	405 019 1909	TR 2SC536-E-NP		405 004 4205	TR 2SA608-E-CTV-NP
	405 019 2708	TR 2SC536-F-NP		405 004 4809	TR 2SA608-F-CTV-NP
	405 019 3804	TR 2SC536-G-NP		405 006 1103	TR 2SA933-Q
	405 020 7501	TR 2SC945A-PA		405 006 1202	TR 2SA933-R
	405 020 7709	TR 2SC945A-QA		405 006 1707	TR 2SA933S-Q
0202	405 020 7907	TR 2SC945A-RA		405 006 1806	TR 2SA933S-R
	405 011 7305	TR 2SC1740-Q	0241	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R		405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S		405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q		405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R		405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S		405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR		405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-0		405 012 2101	TR 2SC1815-0
	405 012 2309	TR 2SC1815-Y		405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP		405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP		405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP		405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA		405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA		405 020 7709	TR 2SC945A-QA
0210	405 020 7907	TR 2SC945A-RA		405 020 7907	TR 2SC945A-RA
	406 000 6804	TR 2SA1015-GR (SAN)	0242	406 000 6804	TR 2SA1015-GR (SAN)
	405 001 7407	TR 2SA1015-0 (SAN)		405 001 7407	TR 2SA1015-0 (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)
	405 004 4205	TR 2SA608-E-CTV-NP		405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP		405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q		405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R		405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q		405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R		405 006 1806	TR 2SA933S-R
0211	406 000 6804	TR 2SA1015-GR (SAN)	0243	406 000 6804	TR 2SA1015-GR (SAN)
	405 001 7407	TR 2SA1015-0 (SAN)		405 001 7407	TR 2SA1015-0 (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)
	405 004 4205	TR 2SA608-E-CTV-NP		405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP		405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q		405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R		405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q		405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R		405 006 1806	TR 2SA933S-R
0212	406 000 6804	TR 2SA1015-GR (SAN)	0245	405 011 7305	TR 2SC1740-Q
	405 001 7407	TR 2SA1015-0 (SAN)		405 011 7404	TR 2SC1740-R
	405 001 7605	TR 2SA1015-Y (SAN)		405 011 7503	TR 2SC1740-S
	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
	405 004 4205	TR 2SA608-E-CTV-NP		405 011 8609	TR 2SC1740S-S
	405 004 4809	TR 2SA608-F-CTV-NP		405 012 2002	TR 2SC1815-GR
	405 006 1103	TR 2SA933-Q		405 012 2101	TR 2SC1815-0

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
0311	405 012 2309	TR 2SC1815-Y	0702	405 011 7503	TR 2SC1740-S
	405 019 1909	TR 2SC536-E-NP		405 011 8401	TR 2SC1740S-Q
	405 019 2708	TR 2SC536-F-NP		405 011 8500	TR 2SC1740S-R
	405 019 3804	TR 2SC536-G-NP		405 011 8609	TR 2SC1740S-S
	405 020 7501	TR 2SC945A-PA		405 012 2002	TR 2SC1815-GR
	405 020 7709	TR 2SC945A-QA		405 012 2101	TR 2SC1815-0
	405 020 7907	TR 2SC945A-RA		405 012 2309	TR 2SC1815-Y
	406 000 6804	TR 2SA1015-GR (SAN)		405 019 1909	TR 2SC536-E-NP
	405 001 7407	TR 2SA1015-0 (SAN)		405 019 2708	TR 2SC536-F-NP
	405 001 7605	TR 2SA1015-Y (SAN)		405 019 3804	TR 2SC536-G-NP
	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
	405 004 4205	TR 2SA608-E-CTV-NP		405 020 7907	TR 2SC945A-RA
	405 004 4809	TR 2SA608-F-CTV-NP		405 011 7305	TR 2SC1740-Q
	405 006 1103	TR 2SA933-Q		405 011 7404	TR 2SC1740-R
	405 006 1202	TR 2SA933-R		405 011 7503	TR 2SC1740-S
	405 006 1707	TR 2SA933S-Q		405 011 8401	TR 2SC1740S-Q
405 006 1806	TR 2SA933S-R	405 011 8500	TR 2SC1740S-R		
0312	405 058 0208	TR 2SC3807-R-CTV-YA	405 011 8609	TR 2SC1740S-S	
0313	405 095 0407	TR 2SC4429-L-YB	405 012 2002	TR 2SC1815-GR	
0353	405 095 0308	TR 2SC4429-M-YB	405 012 2101	TR 2SC1815-0	
	405 011 7305	TR 2SC1740-Q	405 012 2309	TR 2SC1815-Y	
	405 011 7404	TR 2SC1740-R	405 019 1909	TR 2SC536-E-NP	
	405 011 7503	TR 2SC1740-S	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	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 2SC1815-0	405 011 7305	TR 2SC1740-Q	
	405 012 2309	TR 2SC1815-Y	405 011 7404	TR 2SC1740-R	
	405 019 1909	TR 2SC536-E-NP	405 011 7503	TR 2SC1740-S	
	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	
	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 2SC1815-0	
	0431	405 018 0507	TR 2SC3332-R	405 012 2309	TR 2SC1815-Y
	405 018 0606	TR 2SC3332-S	405 019 1909	TR 2SC536-E-NP	
0432	405 082 2407	TR 2SD1879-CTV-YB	405 019 2708	TR 2SC536-F-NP	
0435	406 000 6804	TR 2SA1015-GR (SAN)	405 019 3804	TR 2SC536-G-NP	
	405 001 7407	TR 2SA1015-0 (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)	406 000 6804	TR 2SA1015-GR (SAN)	
	405 004 4205	TR 2SA608-E-CTV-NP	405 001 7407	TR 2SA1015-0 (SAN)	
	405 004 4809	TR 2SA608-F-CTV-NP	405 001 7605	TR 2SA1015-Y (SAN)	
	405 006 1103	TR 2SA933-Q	405 004 3109	TR 2SA564A-Q (CU)	
	405 006 1202	TR 2SA933-R	405 004 3208	TR 2SA564A-R (CU)	
	405 006 1707	TR 2SA933S-Q	405 004 4205	TR 2SA608-E-CTV-NP	
	405 006 1806	TR 2SA933S-R	405 004 4809	TR 2SA608-F-CTV-NP	
0461	405 064 7307	TR 2SB1274-Q-RA	405 006 1103	TR 2SA933-Q	
	405 064 7406	TR 2SB1274-R-RA	405 006 1202	TR 2SA933-R	
	405 064 7505	TR 2SB1274-S-RA	405 006 1707	TR 2SA933S-Q	
0462	405 011 7305	TR 2SC1740-Q	405 006 1806	TR 2SA933S-R	
	405 011 7404	TR 2SC1740-R	405 118 4207	TR PH2369	
	405 011 7503	TR 2SC1740-S	0711	406 000 6804	TR 2SA1015-GR (SAN)
	405 011 8401	TR 2SC1740S-Q	0718	405 001 7407	TR 2SA1015-0 (SAN)
	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 2SC1815-0		405 004 4205	TR 2SA608-E-CTV-NP
	405 012 2309	TR 2SC1815-Y		405 004 4809	TR 2SA608-F-CTV-NP
	405 019 1909	TR 2SC536-E-NP		405 006 1103	TR 2SA933-Q
	405 019 2708	TR 2SC536-F-NP		405 006 1202	TR 2SA933-R
	405 019 3804	TR 2SC536-G-NP		405 006 1707	TR 2SA933S-Q
	405 020 7501	TR 2SC945A-PA		405 006 1806	TR 2SA933S-R
	405 020 7709	TR 2SC945A-QA	0781	406 000 6804	TR 2SA1015-GR (SAN)
	405 020 7907	TR 2SC945A-RA		405 001 7407	TR 2SA1015-0 (SAN)
0700	405 011 7305	TR 2SC1740-Q		405 001 7605	TR 2SA1015-Y (SAN)
	405 011 7404	TR 2SC1740-R		405 004 3109	TR 2SA564A-Q (CU)

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description		
0782	405 004 3208	TR 2SA564A-R (CU)	0793	405 019 3804	TR 2SC536-G-NP		
	405 004 4205	TR 2SA608-E-CTV-NP		405 020 7501	TR 2SC945A-PA		
	405 004 4809	TR 2SA608-F-CTV-NP		405 020 7709	TR 2SC945A-QA		
	405 006 1103	TR 2SA933-Q		405 020 7907	TR 2SC945A-RA		
	405 006 1202	TR 2SA933-R		405 011 7305	TR 2SC1740-Q		
	405 006 1707	TR 2SA933S-Q		405 011 7404	TR 2SC1740-R		
	405 006 1806	TR 2SA933S-R		405 011 7503	TR 2SC1740-S		
	406 000 6804	TR 2SA1015-GR (SAN)		405 011 8401	TR 2SC1740S-Q		
	405 001 7407	TR 2SA1015-Q (SAN)		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-Q		
	405 004 4205	TR 2SA608-E-CTV-NP		405 012 2309	TR 2SC1815-Y		
	405 004 4809	TR 2SA608-F-CTV-NP		405 019 1909	TR 2SC536-E-NP		
	405 006 1103	TR 2SA933-Q		405 019 2708	TR 2SC536-F-NP		
	0783	405 006 1202		TR 2SA933-R	0810	405 019 3804	TR 2SC536-G-NP
405 006 1707		TR 2SA933S-Q	405 019 3804	TR 2SC536-G-NP			
405 006 1806		TR 2SA933S-R	405 020 7501	TR 2SC945A-PA			
406 000 6804		TR 2SA1015-GR (SAN)	405 020 7709	TR 2SC945A-QA			
405 001 7407		TR 2SA1015-Q (SAN)	405 020 7907	TR 2SC945A-RA			
405 001 7605		TR 2SA1015-Y (SAN)	405 011 7305	TR 2SC1740-Q			
405 004 3109		TR 2SA564A-Q (CU)	405 011 7404	TR 2SC1740-R			
405 004 3208		TR 2SA564A-R (CU)	405 011 7503	TR 2SC1740-S			
405 004 4205		TR 2SA608-E-CTV-NP	405 011 8401	TR 2SC1740S-Q			
405 004 4809		TR 2SA608-F-CTV-NP	405 011 8500	TR 2SC1740S-R			
405 006 1103		TR 2SA933-Q	405 011 8609	TR 2SC1740S-S			
405 006 1202		TR 2SA933-R	405 012 2002	TR 2SC1815-GR			
405 006 1707		TR 2SA933S-Q	405 012 2101	TR 2SC1815-Q			
405 006 1806		TR 2SA933S-R	405 012 2309	TR 2SC1815-Y			
0784		405 011 7305	TR 2SC1740-Q	0857		405 019 1909	TR 2SC536-E-NP
		405 011 7404	TR 2SC1740-R			405 019 2708	TR 2SC536-F-NP
	405 011 7503	TR 2SC1740-S	405 019 3804		TR 2SC536-G-NP		
	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 7305		TR 2SC1740-Q		
	405 012 2101	TR 2SC1815-Q	405 011 7404		TR 2SC1740-R		
	405 012 2309	TR 2SC1815-Y	405 011 7503		TR 2SC1740-S		
	405 019 1909	TR 2SC536-E-NP	405 011 8401		TR 2SC1740S-Q		
	405 019 2708	TR 2SC536-F-NP	405 011 8500		TR 2SC1740S-R		
	405 019 3804	TR 2SC536-G-NP	405 011 8609		TR 2SC1740S-S		
	405 020 7501	TR 2SC945A-PA	405 012 2002		TR 2SC1815-GR		
	405 020 7709	TR 2SC945A-QA	405 012 2101		TR 2SC1815-Q		
	405 020 7907	TR 2SC945A-RA	405 012 2309		TR 2SC1815-Y		
	0791	405 011 7305	TR 2SC1740-Q		0858	405 019 1909	TR 2SC536-E-NP
405 011 7404		TR 2SC1740-R	405 019 2708	TR 2SC536-F-NP			
405 011 7503		TR 2SC1740-S	405 019 3804	TR 2SC536-G-NP			
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	406 000 6804	TR 2SA1015-GR (SAN)			
405 012 2101		TR 2SC1815-Q	405 001 7407	TR 2SA1015-Q (SAN)			
405 012 2309		TR 2SC1815-Y	405 001 7605	TR 2SA1015-Y (SAN)			
405 019 1909		TR 2SC536-E-NP	405 004 3109	TR 2SA564A-Q (CU)			
405 019 2708		TR 2SC536-F-NP	405 004 3208	TR 2SA564A-R (CU)			
405 019 3804		TR 2SC536-G-NP	405 004 4205	TR 2SA608-E-CTV-NP			
405 020 7501		TR 2SC945A-PA	405 004 4809	TR 2SA608-F-CTV-NP			
405 020 7709		TR 2SC945A-QA	405 006 1103	TR 2SA933-Q			
405 020 7907		TR 2SC945A-RA	405 006 1202	TR 2SA933-R			
0792		405 011 7305	TR 2SC1740-Q	405 006 1707		TR 2SA933S-Q	
	405 011 7404	TR 2SC1740-R	405 006 1806	TR 2SA933S-R			
	405 011 7503	TR 2SC1740-S	INTEGRATED CIRCUIT				
	405 011 8401	TR 2SC1740S-Q	1C101	409 309 6209	IC TDA8361/N3		
	405 011 8500	TR 2SC1740S-R	1C270	409 322 0505	IC TDA4662/V1		
	405 011 8609	TR 2SC1740S-S	1C351	409 143 3402	IC AN78M12-LB		
	405 012 2002	TR 2SC1815-GR		409 026 9507	IC L78M12-RA		
	405 012 2101	TR 2SC1815-Q	1C352	409 285 5203	IC L78M08-RA		
	405 012 2309	TR 2SC1815-Y	1C451	409 192 5709	IC LA7833		
	405 019 1909	TR 2SC536-E-NP	1C701	410 226 8009	IC M37211M2-528SP		
	405 019 2708	TR 2SC536-F-NP	1C790	409 270 0008	IC ST24C01B1		

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
	409 347 2201	IC ST24C01CB1	C233	403 075 8009	CERAMIC 0.01U K 500V
	409 307 1701	IC 24C01A/P	C242	403 069 8305	CERAMIC 0.01U Z 50V
	409 321 0902	IC 24LC01B/P	C270	403 059 6205	POLYESTER 0.022U K 50V
CAPACITOR				403 179 2408	POLYESTER 0.022U K 50V
C101	403 043 0202	ELECT 220U M 16V	C271	403 069 0507	CERAMIC 1000P K 50V
C102	403 069 8305	CERAMIC 0.01U Z 50V	C272	403 069 0507	CERAMIC 1000P K 50V
C103	403 046 9905	ELECT 4.7U M 25V	C275	403 041 8804	ELECT 10U M 16V
C104	403 046 9905	ELECT 4.7U M 25V	C307	404 047 1608	ELECT 270U M 400V
C105	403 049 0008	ELECT 1U M 50V	C314	403 270 2901	MT-POLYEST 0.1U K 63V
C106	403 046 9905	ELECT 4.7U M 25V		403 237 8007	MT-COMPO 0.1U J 50V
C108	403 009 3001	CERAMIC 100P J 50V	C315	403 056 9704	POLYESTER 0.01U J 50V
C109	403 033 3206	CERAMIC 82P J 50V		403 178 9309	POLYESTER 0.01U J 50V
C110	403 023 9607	CERAMIC 39P J 50V	C316	403 167 8702	CERAMIC 2200P K 2K
C113	403 069 8305	CERAMIC 0.01U Z 50V		403 186 2002	CERAMIC 2200P K 2K
C114	403 069 8305	CERAMIC 0.01U Z 50V	C317	403 058 3403	POLYESTER 0.015U K 50V
C115	403 069 8305	CERAMIC 0.01U Z 50V		403 179 3108	POLYESTER 0.015U K 50V
C117	403 043 9106	ELECT 47U M 16V	△C331	404 060 6505	CERAMIC 2200P M 400V
C119	403 010 6107	CERAMIC 12P J 50V		404 060 6604	CERAMIC 2200P M 400V
C121	403 062 0504	POLYESTER 0.047U K 50V	C351	403 165 9305	CERAMIC 680P K 1K
	403 179 0909	POLYESTER 0.047U K 50V		403 185 9101	CERAMIC 680P K 1K
C122	403 270 2901	MT-POLYEST 0.1U K 63V	C361	404 055 9801	ELECT 220U M 200V
	403 237 8007	MT-COMPO 0.1U J 50V	C363	403 148 2002	ELECT 470U M 35V
C123	403 041 8804	ELECT 10U M 16V	C364	403 148 0404	ELECT 1000U M 25V
C126	403 061 2400	POLYESTER 3900P K 50V	C365	403 052 8503	ELECT 1000U M 35V
	403 179 1401	POLYESTER 3900P K 50V	C371	403 148 0305	ELECT 470U M 16V
C127	403 069 0507	CERAMIC 1000P K 50V	C372	403 148 0305	ELECT 470U M 16V
C128	403 049 9803	ELECT 2.2U M 50V	C401	403 270 2901	MT-POLYEST 0.1U K 63V
C129	403 028 2009	CERAMIC 56P J 50V		403 237 8007	MT-COMPO 0.1U J 50V
C130	403 069 8305	CERAMIC 0.01U Z 50V	C402	403 062 0504	POLYESTER 0.047U K 50V
C131	403 043 9106	ELECT 47U M 16V		403 179 0909	POLYESTER 0.047U K 50V
C132	403 270 2901	MT-POLYEST 0.1U K 63V	C403	403 061 8303	POLYESTER 4700P K 50V
	403 237 8007	MT-COMPO 0.1U J 50V		403 179 1104	POLYESTER 4700P K 50V
C134	403 069 0507	CERAMIC 1000P K 50V	C404	403 086 2300	NP-ELECT 1U M 50V
C135	403 270 2901	MT-POLYEST 0.1U K 63V	C405	403 060 0704	POLYESTER 2700P K 50V
	403 237 8007	MT-COMPO 0.1U J 50V		403 179 2200	POLYESTER 2700P K 50V
C136	403 044 1703	ELECT 470U M 16V	C406	403 059 6205	POLYESTER 0.022U K 50V
C137	403 270 2901	MT-POLYEST 0.1U K 63V		403 179 2408	POLYESTER 0.022U K 50V
	403 237 8007	MT-COMPO 0.1U J 50V	C407	403 042 2405	ELECT 100U M 16V
C138	403 049 0008	ELECT 1U M 50V	C420	404 066 5809	MT-POLYPRO 7200P J 1.5K
C143	403 011 3402	CERAMIC 120P J 50V		404 054 7907	MT-POLYPRO 7200P J 1.5K
C145	403 022 5907	CERAMIC 33P J 50V	C421	403 042 2405	ELECT 100U M 16V
C147	403 009 3001	CERAMIC 100P J 50V	C422-P1	645 008 4058	TERMINAL, PLUG
C175	403 044 1703	ELECT 470U M 16V	C423	404 061 0700	MT-POLYPRO 7500P J 1.5K
C200	403 014 0200	CERAMIC 18P J 50V		404 046 8509	MT-POLYPRO 7500P J 1.5K
C201	403 014 0200	CERAMIC 18P J 50V	C424	403 083 5304	POLYPRO 0.033U J 400V
C202	403 270 2901	MT-POLYEST 0.1U K 63V	C425	403 083 4307	POLYPRO 0.022U J 400V
	403 237 8007	MT-COMPO 0.1U J 50V	C426	403 066 6106	MT-POLYEST 0.47U J 250V
C203	403 061 8303	POLYESTER 4700P K 50V	C431	403 062 7107	POLYESTER 0.056U K 50V
	403 179 1104	POLYESTER 4700P K 50V		403 179 0503	POLYESTER 0.056U K 50V
C204	403 270 2901	MT-POLYEST 0.1U K 63V	C432	403 075 7101	CERAMIC 1000P K 500V
	403 237 8007	MT-COMPO 0.1U J 50V	C433	403 076 3102	CERAMIC 3900P K 500V
C205	403 270 2901	MT-POLYEST 0.1U K 63V	C434	403 054 0703	ELECT 47U M 35V
	403 237 8007	MT-COMPO 0.1U J 50V	C438	403 043 6006	ELECT 330U M 16V
C206	403 046 9905	ELECT 4.7U M 25V	C441	403 082 9006	POLYPRO 0.27U J 200V
C207	403 049 9803	ELECT 2.2U M 50V	C442	403 082 8009	POLYPRO 0.2U J 200V
C208	403 270 2901	MT-POLYEST 0.1U K 63V	C451	403 052 8503	ELECT 1000U M 35V
	403 237 8007	MT-COMPO 0.1U J 50V	C452	403 053 2104	ELECT 220U M 35V
C209	403 270 2901	MT-POLYEST 0.1U K 63V	C453	403 023 9706	CERAMIC 39P J 50V
	403 237 8007	MT-COMPO 0.1U J 50V	C454	403 069 8305	CERAMIC 0.01U Z 50V
C210	403 270 2901	MT-POLYEST 0.1U K 63V	C455	403 076 3607	CERAMIC 470P K 500V
	403 237 8007	MT-COMPO 0.1U J 50V	C456	403 050 2800	ELECT 22U M 50V
C211	403 049 9803	ELECT 2.2U M 50V	C459	403 065 9801	MT-POLYEST 0.22U K 100V
C215	403 270 3908	MT-POLYEST 0.47U K 63V	C461	403 046 8007	ELECT 3300U M 25V
	403 256 0808	MT-COMPO 0.47U J 50V	C462	403 049 0008	ELECT 1U M 50V
C216	403 270 2901	MT-POLYEST 0.1U K 63V	C463	403 102 8408	MT-POLYEST 0.1U K 100V
	403 237 8007	MT-COMPO 0.1U J 50V	C464	403 048 6308	ELECT 0.47U M 50V
C221	403 270 2901	MT-POLYEST 0.1U K 63V	C465	403 066 0104	MT-POLYEST 2.2U K 100V
	403 237 8007	MT-COMPO 0.1U J 50V	C466	403 270 2901	MT-POLYEST 0.1U K 63V
C231	404 045 7701	NP-ELECT 2.2U M 50V		403 237 8007	MT-COMPO 0.1U J 50V
			C467	403 040 3701	ELECT 220U M 10V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C468	403 045 5809	ELECT 22U M 25V	R202	401 024 7707	CARBON 100K JA 1/6W
C469	403 049 4204	ELECT 10U M 50V	R203	401 024 6700	CARBON 100 JA 1/6W
C470	403 069 8305	CERAMIC 0.01U Z 50V	R204	401 024 6700	CARBON 100 JA 1/6W
C486	403 106 4604	ELECT 33U M 250V	R205	401 024 6700	CARBON 100 JA 1/6W
C701	403 046 9905	ELECT 4.7U M 25V	R210	401 024 7004	CARBON 1K JA 1/6W
C703	403 072 7708	CERAMIC 330P K 50V	R211	401 024 7004	CARBON 1K JA 1/6W
C707	403 270 3403	MT-POLYEST 0.22U K 63V	R212	401 024 7004	CARBON 1K JA 1/6W
	403 237 7901	MT-COMPO 0.22U J 50V	R213	401 024 7400	CARBON 10K JA 1/6W
C708	403 270 3403	MT-POLYEST 0.22U K 63V	R215	401 025 4200	CARBON 1.8K JA 1/6W
	403 237 7901	MT-COMPO 0.22U J 50V	R219	401 026 6609	CARBON 390 JA 1/6W
C709	403 049 0008	ELECT 1U M 50V	R221	401 027 0309	CARBON 47K JA 1/6W
C711	403 046 9905	ELECT 4.7U M 25V	R222	401 025 1902	CARBON 15K JA 1/6W
C712	403 049 0008	ELECT 1U M 50V	R223	401 027 0309	CARBON 47K JA 1/6W
C713	403 049 0008	ELECT 1U M 50V	R224	401 025 1902	CARBON 15K JA 1/6W
C715	403 051 0607	ELECT 4.7U M 50V	R228	401 026 9907	CARBON 4.7K JA 1/6W
C716	403 051 0607	ELECT 4.7U M 50V	R229	401 026 9907	CARBON 4.7K JA 1/6W
C717	403 068 9006	CERAMIC 100P K 50V	R231	401 013 7305	CARBON 120K JA 1/4W
C718	403 069 8305	CERAMIC 0.01U Z 50V	R232	401 024 7004	CARBON 1K JA 1/6W
C721	403 270 2901	MT-POLYEST 0.1U K 63V	R234	401 024 7400	CARBON 10K JA 1/6W
	403 237 8007	MT-COMPO 0.1U J 50V	R235	401 026 4605	CARBON 33K JA 1/6W
C722	403 043 9106	ELECT 47U M 16V	R241	401 024 7400	CARBON 10K JA 1/6W
C723	403 026 0700	CERAMIC 47P J 50V	R242	401 024 7400	CARBON 10K JA 1/6W
C724	403 026 0700	CERAMIC 47P J 50V	R243	401 024 7004	CARBON 1K JA 1/6W
C727	403 270 2901	MT-POLYEST 0.1U K 63V	R244	401 026 4308	CARBON 3.3K JA 1/6W
	403 237 8007	MT-COMPO 0.1U J 50V	R245	401 024 9305	CARBON 1.2K JA 1/6W
C729	403 041 8804	ELECT 10U M 16V	R246	401 024 7004	CARBON 1K JA 1/6W
C733	403 069 8305	CERAMIC 0.01U Z 50V	R247	401 027 5908	CARBON 68K JA 1/6W
C744	403 028 1606	CERAMIC 56P J 50V	R248	401 024 7400	CARBON 120 JA 1/6W
C745	403 071 5606	CERAMIC 220P K 50V	R275	401 025 7409	CARBON 220 JA 1/6W
C791	403 214 5203	POLYESTER 0.012U J 50V	R311	401 027 2600	CARBON 5.6K JA 1/6W
	403 178 9408	POLYESTER 0.012U J 50V	R315	401 025 8208	CARBON 22K JA 1/6W
C811	403 041 8804	ELECT 10U M 16V	R317	401 012 5708	CARBON 1K JA 1/4W
C819	403 041 8804	ELECT 10U M 16V	R319	401 019 9600	CARBON 47 JA 1/4W
C820	403 041 8804	ELECT 10U M 16V	R320	401 007 5805	CARBON 120K JA 1/2W
			R321	401 007 5805	CARBON 120K JA 1/2W
			R322	401 014 5201	CARBON 15K JA 1/4W
			R323	401 026 1000	CARBON 2.7K JA 1/6W
RESISTOR			R324	401 068 2607	OXIDE-MT 47 JA 2W
R101	401 025 7805	CARBON 2.2K JA 1/6W	R325	401 069 0305	OXIDE-MT 6.8 JA 2W
R103	401 012 4503	CARBON 100 JA 1/4W	R326	401 018 3401	CARBON 3.3K GA 1/4W
R104	401 027 2600	CARBON 5.6K JA 1/6W	△R331	402 000 8305	SOLID 5.6M KA 1/2W
R105	401 024 7004	CARBON 1K JA 1/6W	△R332	402 000 8305	SOLID 5.6M KA 1/2W
R106	401 025 7409	CARBON 220 JA 1/6W	R352	401 014 6109	CARBON 150K JA 1/4W
R107	401 026 6401	CARBON 39 JA 1/6W	R353	401 027 4307	CARBON 6.2K JA 1/6W
R111	401 027 5205	CARBON 680 JA 1/6W	R354	401 015 4708	CARBON 180K JA 1/4W
R112	401 025 4903	CARBON 180K JA 1/6W	R355	401 011 2708	CARBON 68K JA 1/2W
R113	401 024 7707	CARBON 100K JA 1/6W	R356	401 025 8208	CARBON 22K JA 1/6W
R116	401 026 9303	CARBON 47 JA 1/6W	R360	401 066 2906	OXIDE-MT 2.2 JA 2W
R121	401 027 5908	CARBON 68K JA 1/6W	R361	401 024 7400	CARBON 10K JA 1/6W
R123	401 025 8703	CARBON 220K JA 1/6W	R362A	401 065 5809	OXIDE-MT 15 JA 2W
R124	401 027 5502	CARBON 6.8K JA 1/6W	R364	401 069 5607	OXIDE-MT 8.2 JA 2W
R125	401 025 3807	CARBON 180 JA 1/6W	R368	401 066 5006	OXIDE-MT 22 JA 2W
R126	401 027 2600	CARBON 5.6K JA 1/6W	R385	401 026 9600	CARBON 470 JA 1/6W
R127	401 024 6700	CARBON 100 JA 1/6W	R401	401 024 6700	CARBON 100 JA 1/6W
R128	401 027 2600	CARBON 5.6K JA 1/6W	R402	401 024 8001	CARBON 1M JA 1/6W
R129	401 024 7400	CARBON 10K JA 1/6W	R403	401 024 6700	CARBON 100 JA 1/6W
R131	401 027 5502	CARBON 6.8K JA 1/6W	R404	401 025 8208	CARBON 22K JA 1/6W
R132	401 027 0309	CARBON 47K JA 1/6W	R405	401 024 6700	CARBON 100 JA 1/6W
R133	401 025 3807	CARBON 180 JA 1/6W	R406	401 026 7606	CARBON 390K JA 1/6W
R134	401 024 7004	CARBON 1K JA 1/6W	R407	401 025 8208	CARBON 22K JA 1/6W
R137	401 016 2604	CARBON 220 JA 1/4W	R408	401 024 6700	CARBON 100 JA 1/6W
R138	401 026 0607	CARBON 270 JA 1/6W	R409	401 026 9907	CARBON 4.7K JA 1/6W
R140	401 024 7004	CARBON 1K JA 1/6W	R410	401 025 8208	CARBON 22K JA 1/6W
R141	401 024 7004	CARBON 1K JA 1/6W	R420	401 024 7400	CARBON 10K JA 1/6W
R142	401 027 8602	CARBON 8.2K JA 1/6W	R422	402 067 3404	WIRE WOUND 5.6 KA 5W
R144	401 027 8305	CARBON 820 JA 1/6W	R431	401 026 3905	CARBON 330 JA 1/6W
R145	401 027 5007	CARBON 68 JA 1/6W	R432	401 024 7004	CARBON 1K JA 1/6W
R150	401 024 7004	CARBON 1K JA 1/6W	R433	401 007 1104	CARBON 1K JA 1/2W
R151	401 027 2303	CARBON 560 JA 1/6W	R434	401 067 5104	OXIDE-MT 330 JA 2W
R152	401 024 7004	CARBON 1K JA 1/6W	R436	401 025 1902	CARBON 15K JA 1/6W
R168	401 024 7400	CARBON 10K JA 1/6W			
R170	401 025 1902	CARBON 15K JA 1/6W			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
T431	610 000 1077	DRIVE TRANS		407 013 6508	DIODE 1S2471
△T471	645 007 1270	TRANS, FLYBACK	△D315	407 104 2204	PHOTO COUPLE PC817B
COIL				407 104 2402	PHOTO COUPLE PC817C
L101	645 001 4567	INDUCTOR, 10U K	D316	408 008 2406	DIODE 1N4148
L121	645 001 4567	INDUCTOR, 10U K		407 013 1008	DIODE 1S1553
L125	645 008 2894	INDUCTOR, 5. 6U K		407 013 4306	DIODE 1S2076A
L136	645 003 9782	INDUCTOR, 22U K		407 013 6508	DIODE 1S2471
L141	645 008 2863	INDUCTOR, 4. 7U K	D317	407 007 6606	DIODE ES1
L152	401 026 3905	CARBON 330 JA 1/6W		407 007 6903	DIODE ES1Z
L280	645 001 4567	INDUCTOR, 10U K		408 009 9008	DIODE BYD33D
L431	610 032 5821	FILTER COIL	D319	407 053 3000	ZENER DIODE MTZ11C
	645 008 5628	INDUCTOR, 1U M		407 054 1807	ZENER DIODE RD11EB3
L441	610 000 0971	LINEARITY COIL		407 164 6709	ZENER DIODE UZ-11BCC
	610 205 0103	LINEARITY COIL	D351	407 129 7000	DIODE RU4AM LF-L1
L441-P1	645 008 4058	TERMINAL, PLUG	D353	407 007 7603	DIODE EU2
L441-P2	645 008 4058	TERMINAL, PLUG		407 007 7801	DIODE EU2Z
L441-P3	645 008 4058	TERMINAL, PLUG	D354	407 007 7603	DIODE EU2
L441-P4	645 008 4058	TERMINAL, PLUG		407 007 7801	DIODE EU2Z
L451	610 210 3908	PEAKING COIL 33UHK	D355	407 007 7603	DIODE EU2
	645 001 5748	INDUCTOR, 33U K		407 007 7801	DIODE EU2Z
L452	610 032 1243	INDUCTOR, 150U K	D361	407 053 7206	ZENER DIODE MTZ6. 2C
	610 032 1250	INDUCTOR, 150U		407 053 7503	ZENER DIODE MTZ6. 8A
L461	610 031 1367	INDUCTOR 202J		407 057 2801	ZENER DIODE RD6. 2EB3
	610 211 3488	INDUCTOR		407 057 4003	ZENER DIODE RD6. 8EB1
	645 005 5645	INDUCTOR, 2200U K		407 164 5108	ZENER DIODE UZ-6. 2BCA
L462	610 000 0261	COIL		407 151 8600	ZENER DIODE UZ-6. 2BCC
	610 208 3781	COIL	D362	407 005 4505	DIODE DS442X
L462-P1	645 008 4058	TERMINAL, PLUG		408 008 2406	DIODE 1N4148
L702	645 008 2894	INDUCTOR, 5. 6U K		407 013 1206	DIODE 1S1555
L703	645 008 2894	INDUCTOR, 5. 6U K		407 013 4207	DIODE 1S2076
L704	645 003 9782	INDUCTOR, 22U K		407 013 7109	DIODE 1S2473
L705	610 031 4542	PEAKING COIL	D363	407 053 2607	ZENER DIODE MTZ10B
L706	645 001 4567	INDUCTOR, 10U K		407 054 0008	ZENER DIODE RD10EB2
DIODE				407 151 1304	ZENER DIODE UZ-10BCB
D201	407 063 8309	ZENER DIODE MTZJ11C	D384	408 008 2406	DIODE 1N4148
	407 158 3400	ZENER DIODE UZ-11BSC		407 013 1008	DIODE 1S1553
D202	407 063 8309	ZENER DIODE MTZJ11C		407 013 4306	DIODE 1S2076A
	407 158 3400	ZENER DIODE UZ-11BSC	D393	407 013 6508	DIODE 1S2471
D203	407 063 8309	ZENER DIODE MTZJ11C		407 005 4505	DIODE DS442X
	407 158 3400	ZENER DIODE UZ-11BSC		408 008 2406	DIODE 1N4148
D210	407 007 9904	DIODE GMA01		407 013 1206	DIODE 1S1555
	407 012 4406	DIODE 1SS133		407 013 4207	DIODE 1S2076
	407 012 5809	DIODE 1SS176		407 013 7109	DIODE 1S2473
D211	407 007 9904	DIODE GMA01	D430	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133		407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176		407 012 5809	DIODE 1SS176
D212	407 007 9904	DIODE GMA01	D431	407 053 8708	ZENER DIODE MTZ9. 1A
	407 012 4406	DIODE 1SS133		407 053 8807	ZENER DIODE MTZ9. 1B
	407 012 5809	DIODE 1SS176		407 057 9602	ZENER DIODE RD9. 1EB1
D214	407 063 8309	ZENER DIODE MTZJ11C		407 057 9701	ZENER DIODE RD9. 1EB2
	407 158 3400	ZENER DIODE UZ-11BSC		407 163 9909	ZENER DIODE UZ-9. 1BCA
D215	407 063 8309	ZENER DIODE MTZJ11C		407 162 2703	ZENER DIODE UZ-9. 1BCB
	407 158 3400	ZENER DIODE UZ-11BSC	D432	407 007 6606	DIODE ES1
D235	407 007 9904	DIODE GMA01	D433	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133		407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176		407 012 5809	DIODE 1SS176
D238	407 007 9904	DIODE GMA01	D434	407 005 7308	DIODE EMO1Z
	407 012 4406	DIODE 1SS133	D435	407 007 9904	DIODE GMA01
	407 012 5809	DIODE 1SS176		407 012 4406	DIODE 1SS133
D241	407 007 9904	DIODE GMA01		407 012 5809	DIODE 1SS176
	407 012 4406	DIODE 1SS133	D436	407 005 4505	DIODE DS442X
	407 012 5809	DIODE 1SS176		408 008 2406	DIODE 1N4148
D275	407 053 6407	ZENER DIODE MTZ5. 1C		407 013 1206	DIODE 1S1555
	407 056 8200	ZENER DIODE RD5. 1EB3		407 013 4207	DIODE 1S2076
	407 163 8209	ZENER DIODE UZ-5. 1BCB	D437	407 013 7109	DIODE 1S2473
D314	408 008 2406	DIODE 1N4148		407 005 4505	DIODE DS442X
	407 013 1008	DIODE 1S1553		408 008 2406	DIODE 1N4148
	407 013 4306	DIODE 1S2076A		407 013 1206	DIODE 1S1555
				407 013 4207	DIODE 1S2076
				407 013 7109	DIODE 1S2473

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1202	401 025 1605	CARBON 1.5K JA 1/6W		405 012 2309	TR 2SC1815-Y
R1203	401 025 4200	CARBON 1.8K JA 1/6W		405 019 1909	TR 2SC536-E-NP
R1204	401 026 1000	CARBON 2.7K JA 1/6W		405 019 2708	TR 2SC536-F-NP
R1205	401 026 9907	CARBON 4.7K JA 1/6W		405 019 3804	TR 2SC536-G-NP
R1206	401 027 5502	CARBON 6.8K JA 1/6W		405 020 7501	TR 2SC945A-PA
R1207	401 025 1902	CARBON 15K JA 1/6W		405 020 7709	TR 2SC945A-QA
R1208	401 027 0309	CARBON 47K JA 1/6W		405 020 7907	TR 2SC945A-RA
R1209	401 027 0309	CARBON 47K JA 1/6W	Q1762	406 009 9509	TR 2SC4544
R1211	401 026 4605	CARBON 33K JA 1/6W	Q1771	405 011 7305	TR 2SC1740-Q
R1212	401 024 7400	CARBON 10K JA 1/6W		405 011 7404	TR 2SC1740-R
R508A	402 071 1205	WIRE WOUND 3.9 KA 7W		405 011 7503	TR 2SC1740-S
R523	401 065 7506	OXIDE-MT 1.5K JA 2W		405 012 2002	TR 2SC1815-GR
R525	401 027 8602	CARBON 8.2K JA 1/6W		405 012 2101	TR 2SC1815-O
R526	401 027 5205	CARBON 680 JA 1/6W		405 012 2309	TR 2SC1815-Y
TRANSFORMER				405 019 1909	TR 2SC536-E-NP
△T501	610 033 3765	POWER TRANS		405 019 2708	TR 2SC536-F-NP
	610 240 4739	POWER TRANS		405 019 3804	TR 2SC536-G-NP
COIL				405 020 7501	TR 2SC945A-PA
△L501A	610 031 6133	LINE FILTER	Q1772	405 020 7709	TR 2SC945A-QA
DIODE			Q1781	405 020 7907	TR 2SC945A-RA
D1112	407 007 9904	DIODE GMA01		406 009 9509	TR 2SC4544
	407 012 4406	DIODE 1SS133		405 011 7305	TR 2SC1740-Q
	407 012 5809	DIODE 1SS176		405 011 7404	TR 2SC1740-R
D1120	407 116 6504	LED SLP-181B-51		405 011 7503	TR 2SC1740-S
D506	407 006 6300	DIODE ERC05-10B		405 012 2002	TR 2SC1815-GR
	407 009 6901	DIODE RM11C		405 012 2101	TR 2SC1815-O
D507	407 006 6300	DIODE ERC05-10B		405 012 2309	TR 2SC1815-Y
	407 009 6901	DIODE RM11C		405 019 1909	TR 2SC536-E-NP
D508	407 006 6300	DIODE ERC05-10B		405 019 2708	TR 2SC536-F-NP
	407 009 6901	DIODE RM11C		405 019 3804	TR 2SC536-G-NP
D509	407 006 6300	DIODE ERC05-10B		405 020 7501	TR 2SC945A-PA
	407 009 6901	DIODE RM11C	Q1782	405 020 7709	TR 2SC945A-QA
D523	407 005 7308	DIODE EMO1Z		405 020 7907	TR 2SC945A-RA
D526	407 053 6803	ZENER DIODE MTZ5.6C		406 009 9509	TR 2SC4544
	407 057 0104	ZENER DIODE RD5.6EB3	CAPACITOR		
	407 151 8501	ZENER DIODE UZ-5.6BC	C1761	403 142 3401	CERAMIC 680P K 50V
D527	407 007 9904	DIODE GMA01	C1771	403 142 3401	CERAMIC 680P K 50V
	407 012 4406	DIODE 1SS133	C1781	403 142 3401	CERAMIC 680P K 50V
	407 012 5809	DIODE 1SS176	C1792	403 047 3100	ELECT 47U M 25V
D528	407 053 6209	ZENER DIODE MTZ5.1A	C1793	403 260 0801	ELECT 4.7U M 250V
	407 053 6308	ZENER DIODE MTZ5.1B	C1794	403 075 7101	CERAMIC 1000P K 500V
	407 056 7906	ZENER DIODE RD5.1EB1	C1795	403 263 6800	CERAMIC 2200P K 2K
	407 056 8002	ZENER DIODE RD5.1EB2		403 186 2002	CERAMIC 2200P K 2K
	407 151 8303	ZENER DIODE UZ-5.1BCA	RESISTOR		
	407 151 8402	ZENER DIODE UZ-5.1BCB	R1762	401 027 2303	CARBON 560 JA 1/6W
MISCELLANEOUS			R1766	401 064 9907	OXIDE-MT 10K JA 2W
△F501	423 024 8409	FUSE 250V 4A	R1768	401 009 1508	CARBON 2.7K JA 1/2W
	423 007 2103	FUSE 250V 4A	R1772	401 027 2303	CARBON 560 JA 1/6W
	423 021 8006	FUSE 250V 4A	R1773	401 020 0801	CARBON 470 JA 1/4W
F501A	645 000 5077	HOLDER, FUSE	R1776	401 064 9907	OXIDE-MT 10K JA 2W
F501B	645 000 5077	HOLDER, FUSE	R1778	401 009 1508	CARBON 2.7K JA 1/2W
A1101	610 224 5806	RC PREAMP 409-1L	R1782	401 027 2303	CARBON 560 JA 1/6W
K1101	645 006 4708	JACK, PHONE D3.6	R1786	401 064 9907	OXIDE-MT 10K JA 2W
PS501	408 013 3801	TH PTH451C262BF140M270	R1788	401 009 1508	CARBON 2.7K JA 1/2W
SW1102	610 011 4432	SWITCH, PUSH	R1792	401 007 5805	CARBON 120K JA 1/2W
SW1103	610 011 4463	SWITCH, PUSH	R1793	401 027 8602	CARBON 8.2K JA 1/6W
△SW501	645 003 6811	SWITCH, PUSH POWER 2P-2T	R1794	401 142 9508	OXIDE-MT 0.27 JA 1W
610 255 1310 ASSY, PWB, CRT E8EA 1AA0B10E12500			R1797	401 002 6500	SOLID 470K KA 1/2W
TRANSISTOR			VARIABLE RESISTOR		
Q1761	405 011 7305	TR 2SC1740-Q	VR1761	645 003 5647	VR, SEMI, 1K N
	405 011 7404	TR 2SC1740-R	VR1762	645 003 5647	VR, SEMI, 1K N
	405 011 7503	TR 2SC1740-S	VR1772	645 003 5647	VR, SEMI, 1K N
	405 012 2002	TR 2SC1815-GR	VR1781	645 003 5647	VR, SEMI, 1K N
	405 012 2101	TR 2SC1815-O	VR1782	645 003 5647	VR, SEMI, 1K N
			COIL		
			L1791	645 001 4758	INDUCTOR, 100U K

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
MISCELLANEOUS					
△K1761	610 249 4136	CRT SOCKET			
	610 248 4717	CRT SOCKET			
	610 252 1900	CRT SOCKET			
K1761F01	610 246 7475	CORD, FOCUS			
OUT OF CIRCUIT BOARD					
PICTURE TUBE					
△Q901	414 008 2803	CRT A59KPR84X (S1)			
Q901A	610 003 1708	CG PURITY MAGNET			
	610 003 1739	CG PURITY MAGNET			
	645 008 8674	MAGNET, CG. PR			
COIL					
△L901	610 030 4956	DEGAUSSING COIL			
	645 004 5981	COIL, DEGAUSSING			
	610 229 4170	DEGAUSSING COIL			
△L902	645 005 1050	YOKE, DEFLECTION			
MISCELLANEOUS					
SP901	610 055 5464	SPEAKER			
	610 055 5471	SPEAKER			
	610 207 8114	SPEAKER			
SP902	610 055 5464	SPEAKER			
	610 055 5471	SPEAKER			
	610 207 8114	SPEAKER			
WSC	610 247 0000	CORD, SCREEN			
△W901	645 009 9991	CORD, POWER			
W903A	610 250 5214	GROUNDING CONNECTOR			

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