

# SHARP SERVICE MANUAL

S96M8CX-6336/


**NC-6 CHASSIS**
**PAL SYSTEM  
COLOUR TELEVISION**
**MODEL CX-6336**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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**ELECTRICAL SPECIFICATIONS**

Aerial Input Impedance .....	75 ohm unbalanced
Convergence .....	Self Converging System
Focus .....	Bi-potential electrostatic
Audio Power Output Rating .....	2.0W max.
Intermediate Frequencies	
Picture IF Frequency .....	36.875MHz
Sound Carrier Trap .....	31.375MHz
Adjacent Sound Carrier Trap .....	38.375MHz
Power Input .....	240V AC 50Hz
Power Consumption .....	120W
Speaker .....	10cm Round Dynamic x 1 pc.
Sweep Deflection .....	Magnetic
Tuning Ranges .....	VHF Channels 0 thru 11 UHF Channels 28 thru 63

Specifications are subject to change without prior notice

**WARNING**

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.

To prevent electric shock, do not remove cover. No user — serviceable parts inside. Refer servicing to qualified service personnel.

**SHARP CORPORATION**

## IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be done by qualified service personnel only.

### SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10k ohm Resistor in series with an Insulated wire (such as a test probe) between picture tube tag and 2nd anode lead. (AC line cord should be disconnected from AC outlet.)

1. Picture tube in this receiver employs integral Implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatter-proof goggles and after discharging the high voltage completely.

### X-RAY

This receiver is designed so that any X-ray radiation is kept to an absolute minimum. Since certain malfunctions or servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed:

1. When repairing the circuit, be sure not to increase the high voltage to more than 30kV, (at beam 1.1mA), for the set.
2. To keep the set in a normal operation, be sure to make it function on  $27.5\text{kV} \pm 1.5\text{kV}$  (at beam 1.3 mA) in the case of the set. The set has been factory-adjusted to the above-mentioned high voltage.
  - ∴ If there is a possibility that the high voltage fluctuates as a result of the repairs, never forget to check for such high voltage after the work.
3. Do not substitute a picture tube with unauthorized types and/or brands which may cause excess X-ray radiation.

### BEFORE RETURNING THE RECEIVER

Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating fishpapers, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators etc.

## SERVICE ADJUSTMENT

### Precautions:

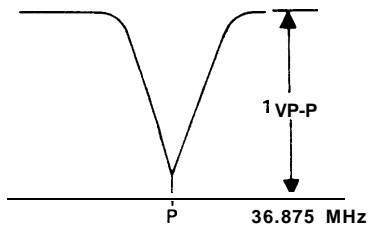
#### How to prevent ICs from damages due to static electricity

- When replacing or handling the IC, be sure to put on your wrist a metal ring (earth ring) that is connected to ground.  
\* Avoid touching the IC directly by hand as much as possible.
- For the soldering iron and other jigs in use, be sure to connect them to ground so that their potential is the same as that of the PWB and/or IC.
- The PWB cannot be connected to ground in some condition although you attempt to attach the IC to that PWB. In this case, be sure to keep the PWB at the same potential as ground by touching it by your hand on which a metal ring is put.
- When handling the IC, it is recommended for you to wear such clothes as not causing static electricity; the ones of wool, silk or synthetic fiber should be avoided. This is Important in particular when handling the IC in a dry environment.

**Note: Perform the service adjustment following the procedures shown below.**

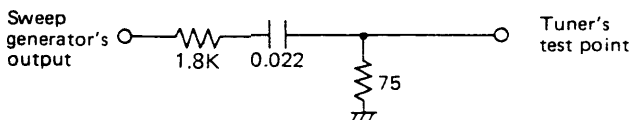
#### P-detector coil adjustment: T201

- Connect sweep output to TP202.
  - Sweep central frequency: 36.875MHz
  - Sweep output: 80 dB
- Connect the response lead of oscilloscope to TP207.
- Apply AGC voltage to AGC (TP203).  
Note: The AGC voltage should not exceed 7V.
- Adjust AGC voltage so that the waveform on oscilloscope becomes 1 Vp-p.
- Adjust T201 so that the waveform peak on oscilloscope becomes aligned with P marker.

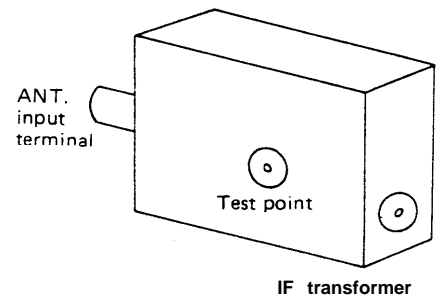
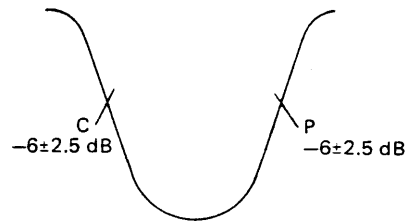


#### Overall waveform

- Receive 10ch. signal.
- Connect sweep output to the tuner test point through the specified jig.
  - Sweep output: 70 dB

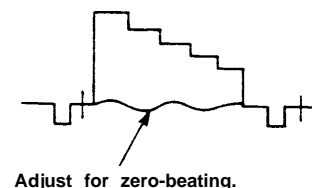


- Connect the response lead to TP207.
- Connect a resistor of 100 ohms to both ends of R235 (10k ohms).  
Note: Keep the lead of the 100 ohm resistor as short as possible.
- Apply AGC voltage to AGC (TP203) and adjust AGC voltage so that the waveform on oscilloscope is 1 VP-P.
- Make sure that the overall waveform is as shown in the figure below. If not, adjust it with the aid of IF transformer of the tuner.



#### AFT adjustment: T202

- Receive sequential colour bar signal.
  - Connect 36.875MHz oscillator to TP202 across a capacitor of 1pF.
  - Connect oscilloscope to TP207.
    - Oscilloscope range: 0.5V/cm AC
  - Adjust the output of 36.875MHz oscillator to have the waveform beating on oscilloscope be observable.
  - Adjust the tuning control so that the waveform on oscilloscope is free from beating.
    - Set the band switch at VHF position and adjust the tuning control.
  - Set the band switch at normal position and adjust TP202 so that the waveform on oscilloscope is free from beating.
    - Turn on AFT switch.
- Note: Set the RF AGC control (R224) to obtain normal picture.



**RF AGC cut-in adjustment: R224**

1. Receive 10 ch. signal.
2. Set the signal input level at  $52 \pm 1$  dB.
3. Connect CR oscillator to TP204 across a capacitor of  $10\mu\text{F}/16\text{V}$ : This capacitor is to cut off DC supply.
  - Oscillation frequency: 1kHz sine wave.
  - Output voltage: 0.1 Vp-p (Output voltage available at TP204)
4. Adjust R224 so that 1 kHz signal disappears from TV screen.
5. Set the signal input level at  $52 + 3$  dB and check that 1 kHz signal appears on TV screen. If 1 kHz signal does not appear, set the input signal level at 52 dB again and follow the procedure in step 4 again.

**Sub-brightness adjustment: R421**

1. Turn S501 on by tipping it rightwards in order to let the raster be linear.
2. Set each control as follows:
  - Screen control: at MIN position
  - Sub-brightness control (R421): at MIN position
  - R-bias control (R862)
  - G-bias control (R863)
  - B-bias control (R864)
  - G-drive control (R857-A)
  - B-drive control (R857-B)
  - Contrast control: at MIN position
  - Brightness control: at CENTER position
  - Picture tone control: at CENTER position
  - Colour control: at MIN position
3. Receive lion head pattern signal.
4. Connect oscilloscope to TP850.
5. Adjust R421 so that the waveform on oscilloscope is at 15 Vp-p.



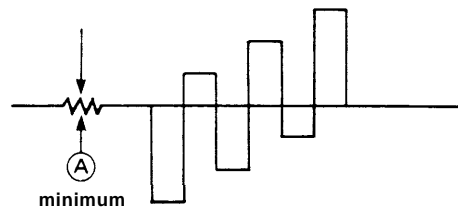
**Background adjustment: Screen control R862 R863 R864 R857-A/B**

6. Remove oscilloscope from TP850.
7. Adjust the screen control so that raster of red, green, or blue appears dimly on screen.
8. Adjust the bias controls except for dimly appearing colour to let the picture on screen be white.
9. Adjust the screen control to obtain cut-off point of CRT.
10. Turn S501 off by bringing it back to the center in order to resume the normal raster.
11. Set the contrast control at MAX position.

12. Adjust each drive control for good white balance.
  - Colour temperature:  $7300^\circ\text{K}$   
 $(X = 0.303)$   
 $(Y = 0.310)$
13. Adjust brightness control and contrast control to obtain a dark picture. If the white balance is disturbed, adjust the bias control to obtain good white balance.
14. Again brighten the picture and adjust each drive control for good white balance as in step 12 above.

**Carrier wave-phase adjustment: R826**

1. Receive sequential colour bar signal.
2. Connect oscilloscope to K4 terminal (blue) and adjust synchronism of oscilloscope to obtain the waveform as shown in the figure below.



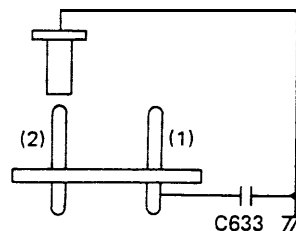
3. Adjust the phase control so that the part (A) of B-Y output waveform becomes minimum as shown in the figure above.

**Sub-colour adjustment: R817**

1. Receive sequential colour bar signal.
2. Set each control as follows:
  - Contrast control: at MAX position
  - Brightness control: at CENTER position
  - Colour control: at CENTER position
  - Picture-tone control: at CENTER position
3. Connect oscilloscope to TP850.
4. Adjust R817 so that the white output (75%) and red output will have the same level.

**Horizontal Size adjustment:**

1. Receive lion head pattern signal.
2. If the horizontal size is at less than 7% of overscanning, insert the socket into the opening (2).



**Vertical size adjustment: R525**

3. Adjust R634 to have proper horizontal center.

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**Vertical linearity adjustment: R520**

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1. Receive lion head pattern signal.
2. Adjust R520 to obtain good vertical linearity.

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**Vertical size adjustment: R525**

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3. Adjust R525 to have 10% of the vertical overscan.

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**Vertical center adjustment: S502**

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1. If the vertical center of picture is 3mm higher than the center of CRT, set S502 at "down" position. If it is 3mm lower than the center of CRT, set S502 at "up" position.

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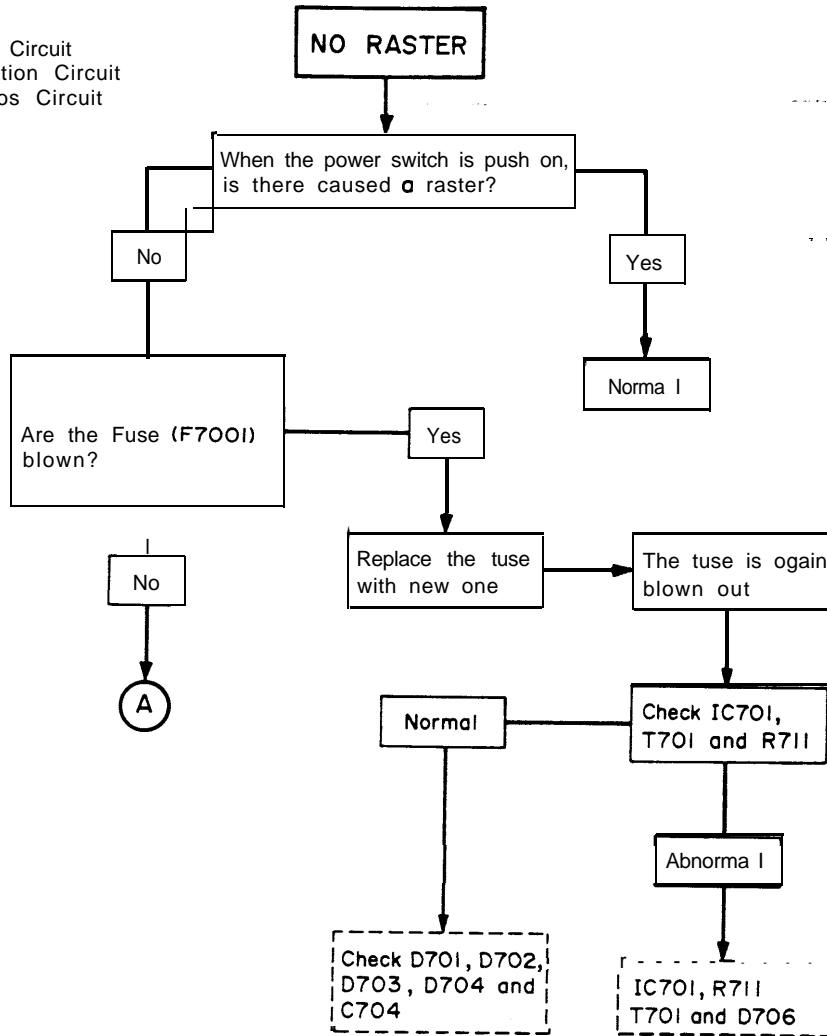
**Protector check**

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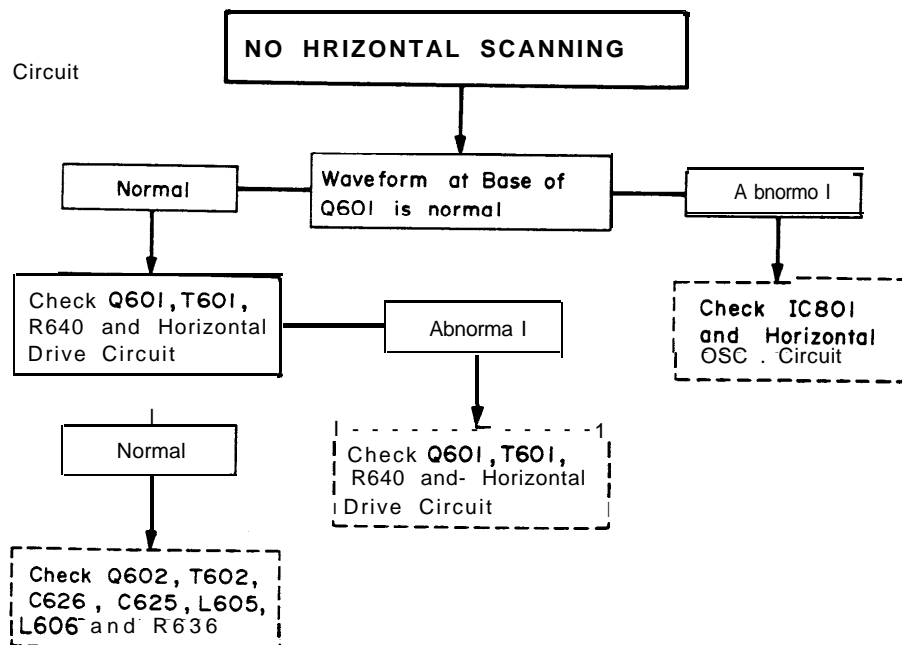
1. Apply DC25V to D605 (cathode side), and check that the protector remains inoperative.
2. Apply DC 30V to D605 (cathode side), and check that the protector gets operative.
3. Connect a resistor (10k ohms) between base of Q603 and ground, and check that the protector gets operative.

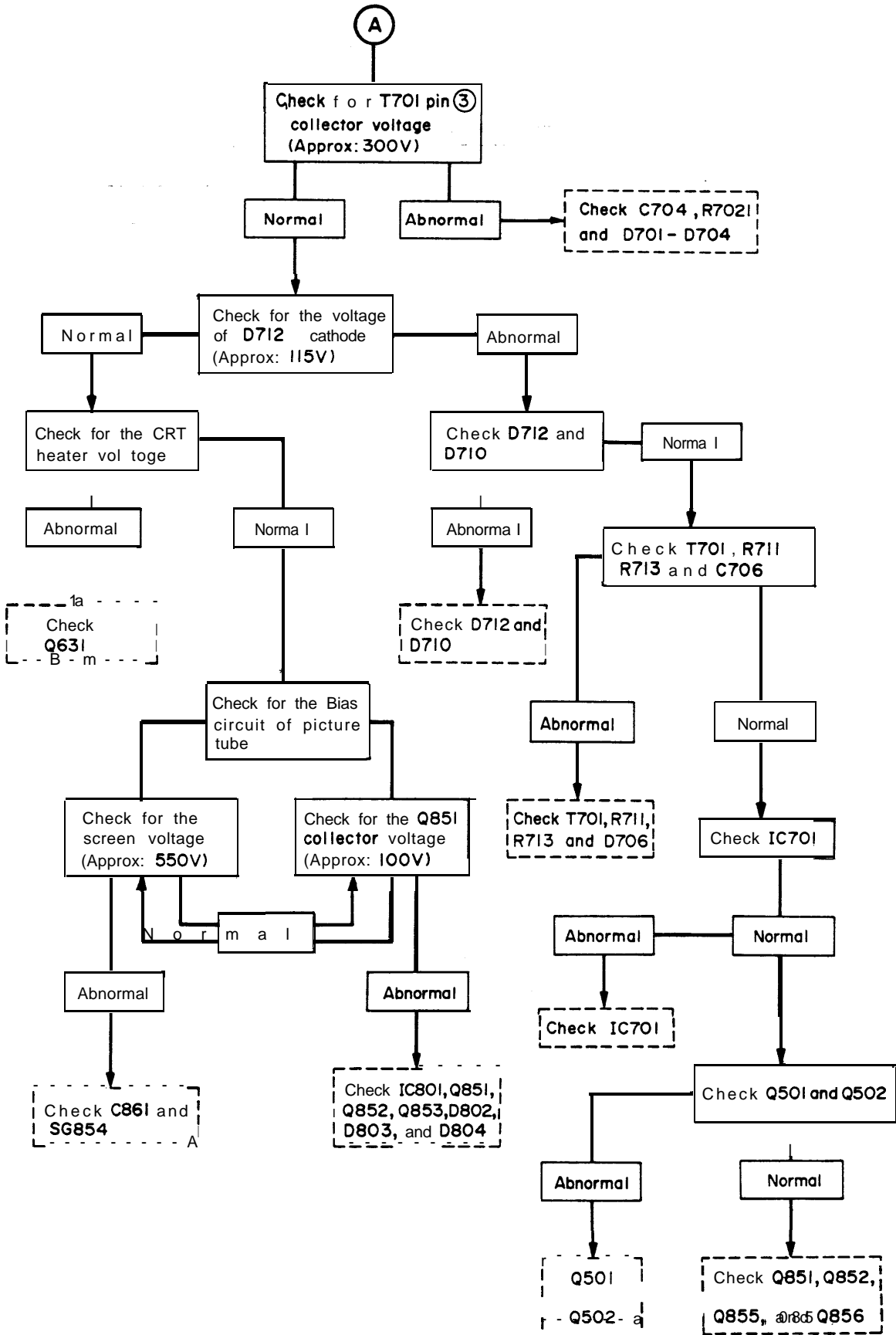
## TROUBLE SHOOTING TABLE

- Checked Circuits
- Power Regulator Circuit
  - Horizontal Deflection Circuit
  - Picture tube Bios Circuit
  - Video Circuit
  - Picture tube

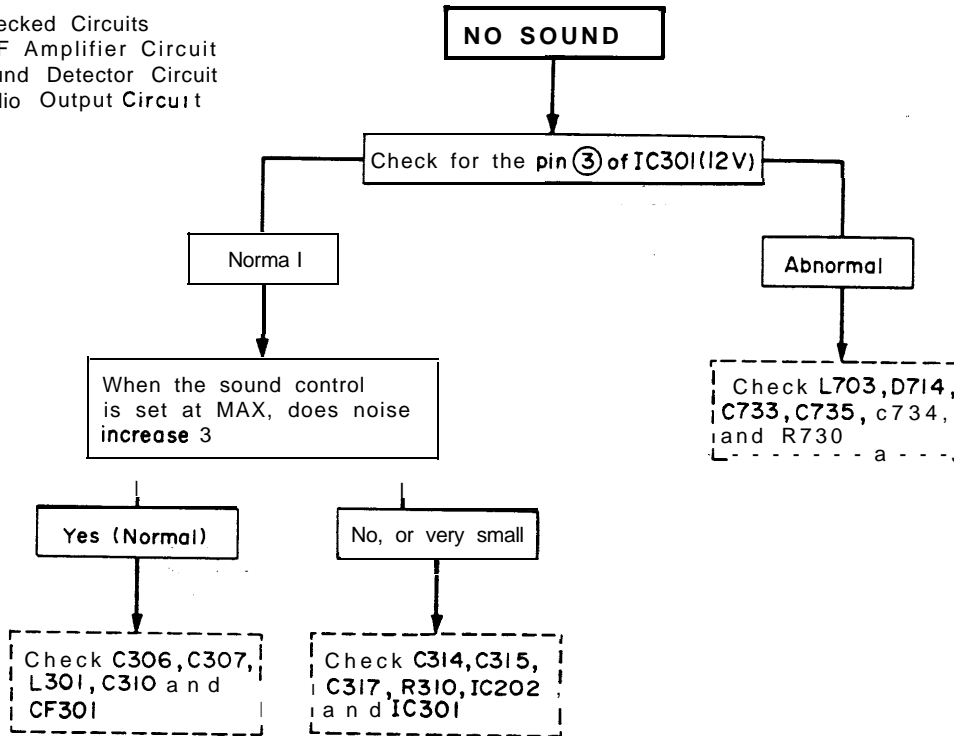


- Checked Circuits
- Horizontal Output Circuit

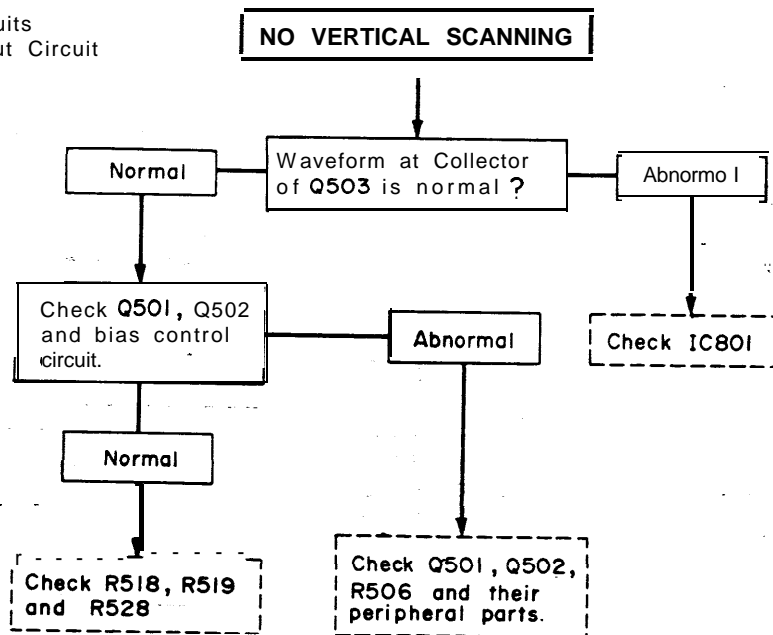




- Checked Circuits
- STF Amplifier Circuit
  - Sound Detector Circuit
  - Audio Output Circuit

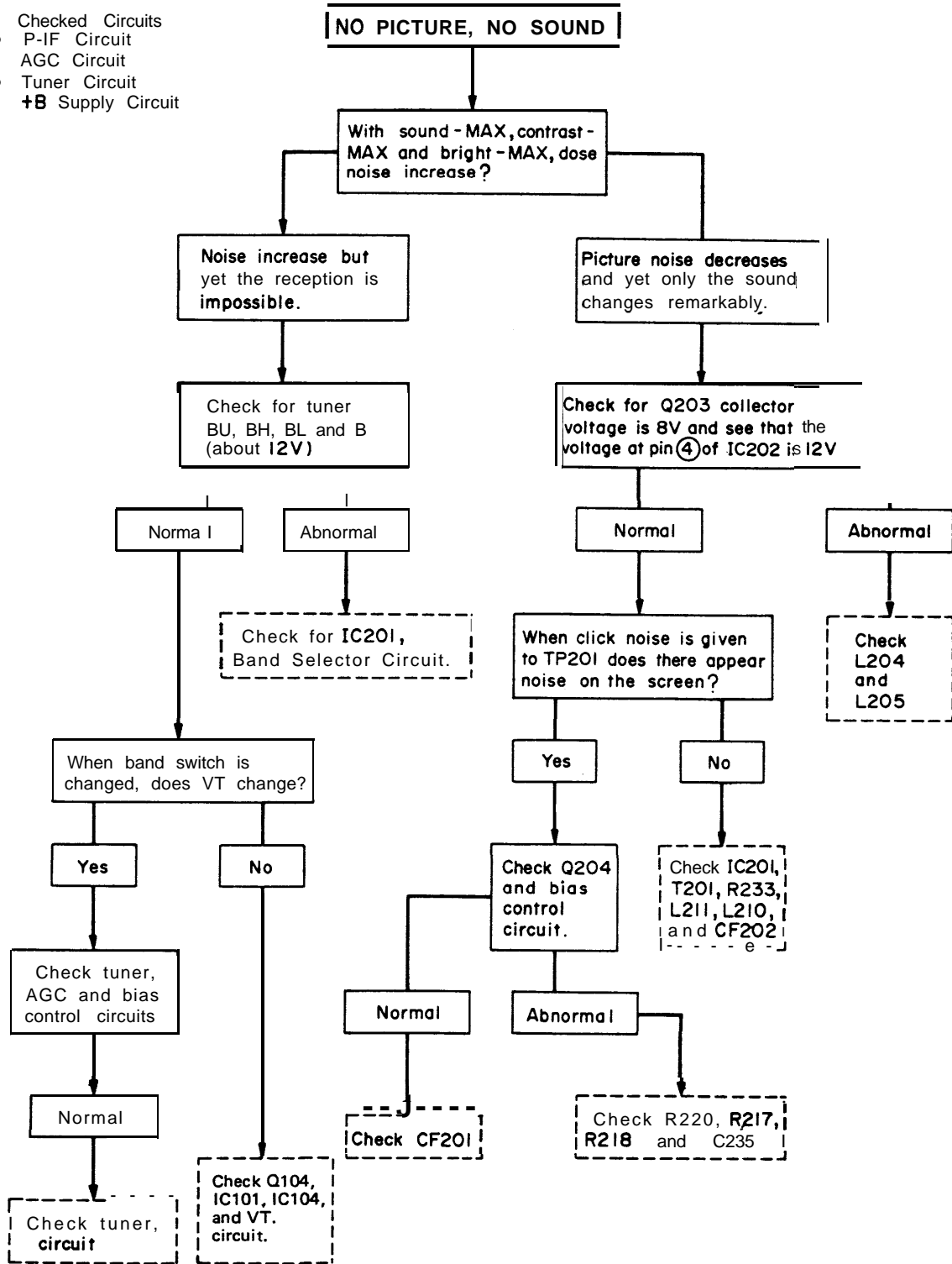


- Checked Circuits
- Vertical Output Circuit

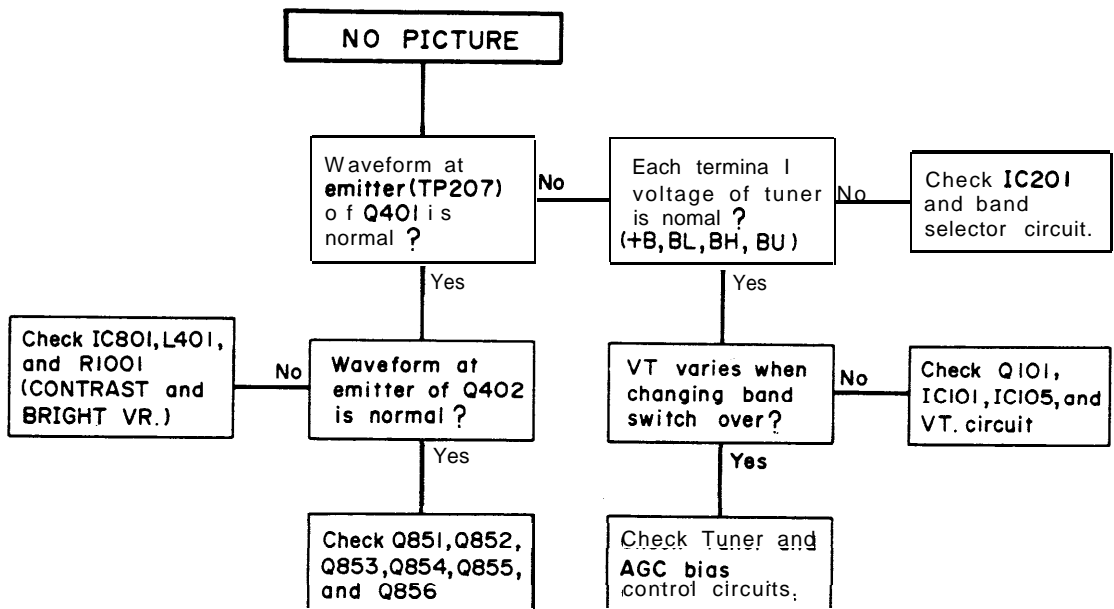
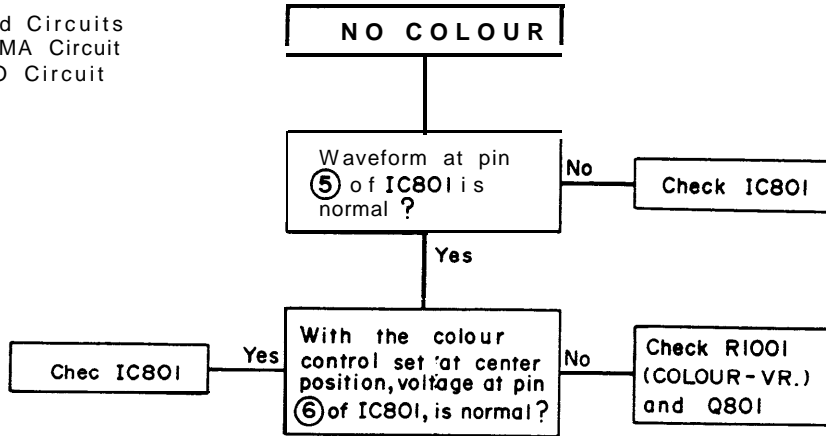




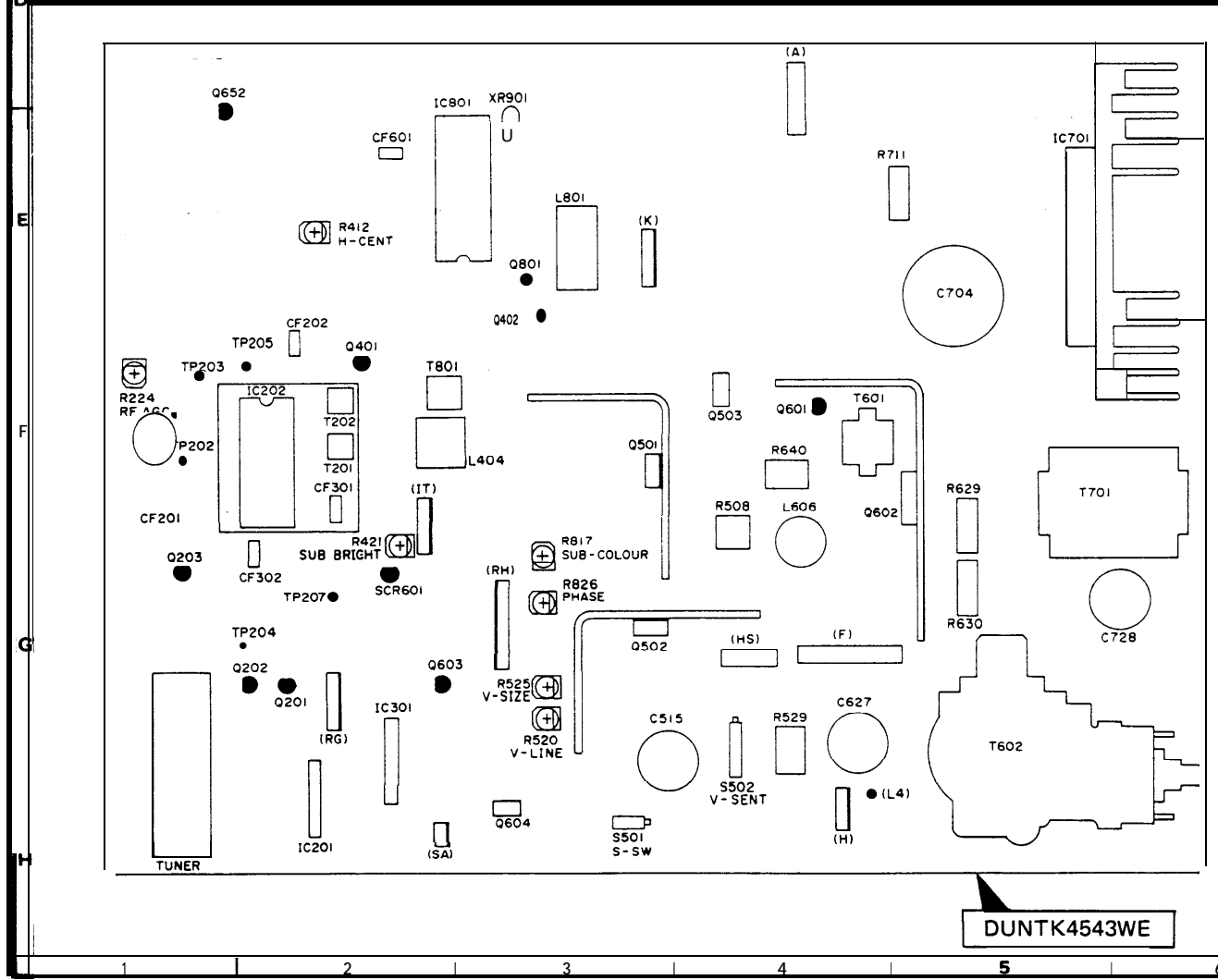
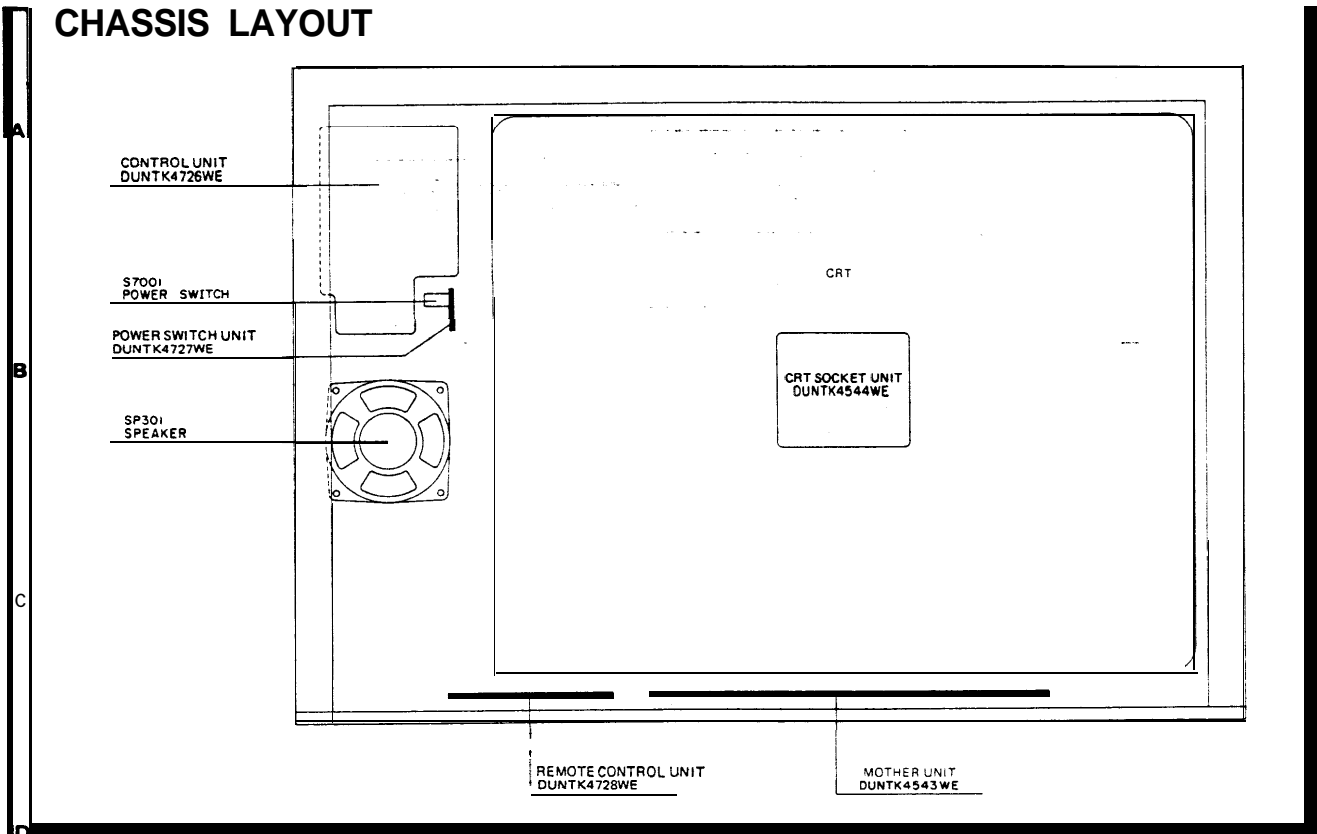
- Checked Circuits
- P-IF Circuit
- AGC Circuit
- Tuner Circuit
- +B Supply Circuit

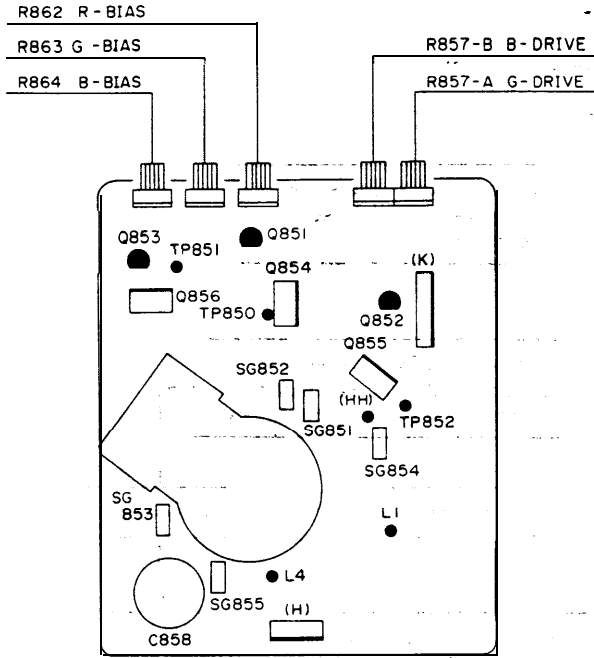


- Checked Circuits
- ● CHROMA Circuit
- VIDEO Circuit

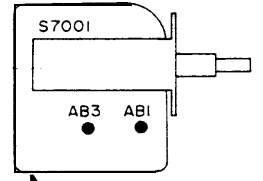


CHASSIS LAYOUT

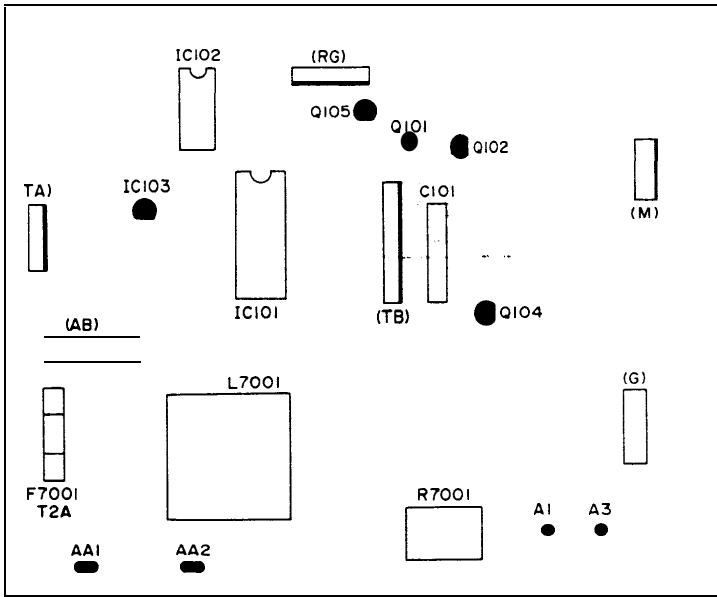




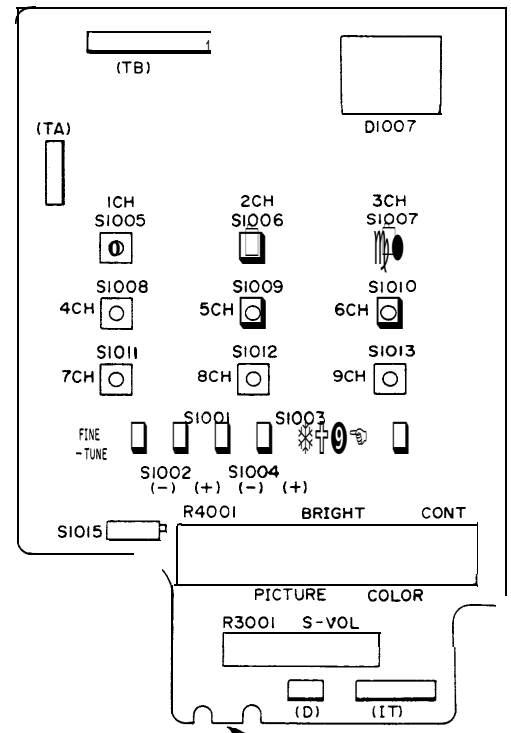
DUNTK4544WE



DUNTK4727WE



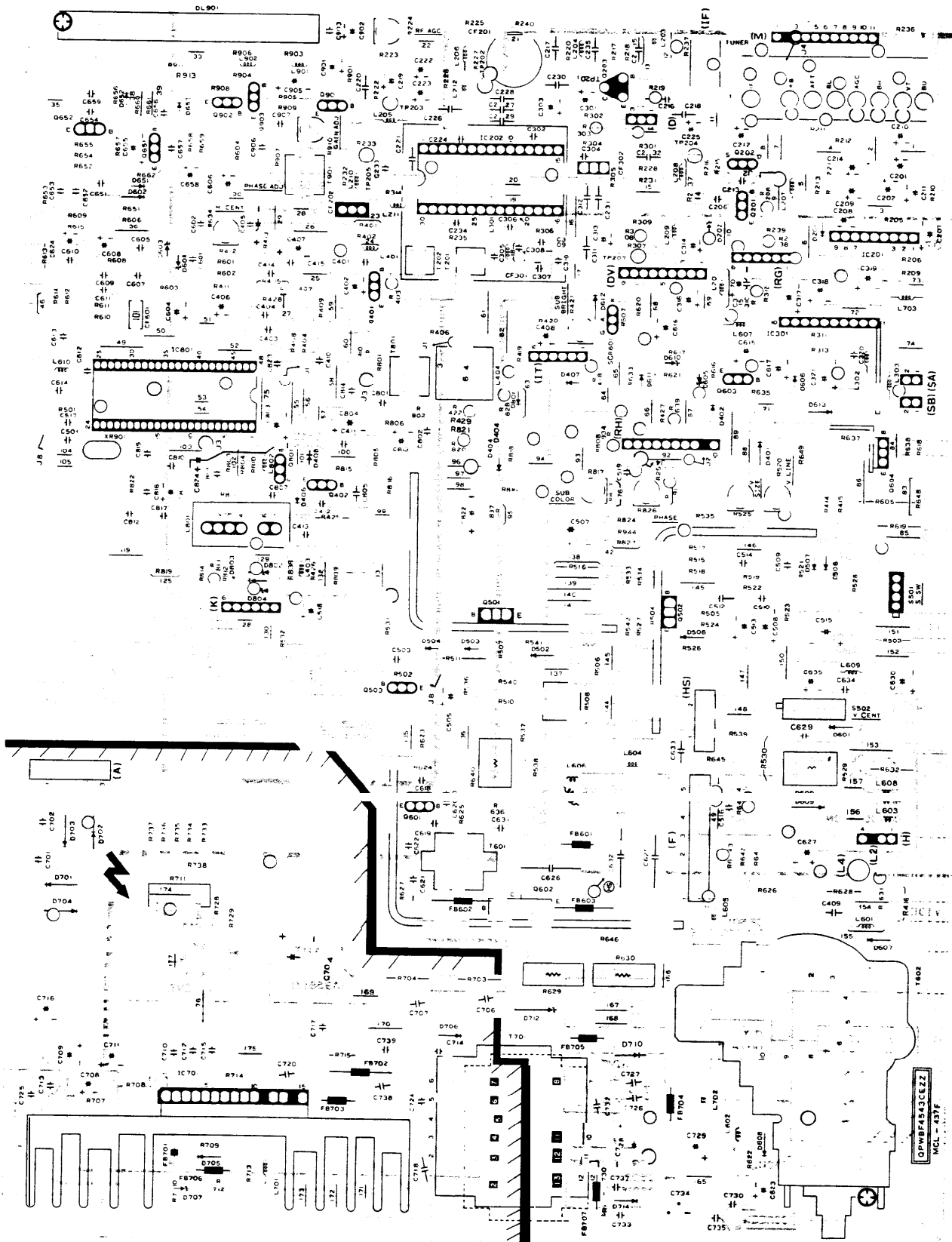
DUNTK4728WE



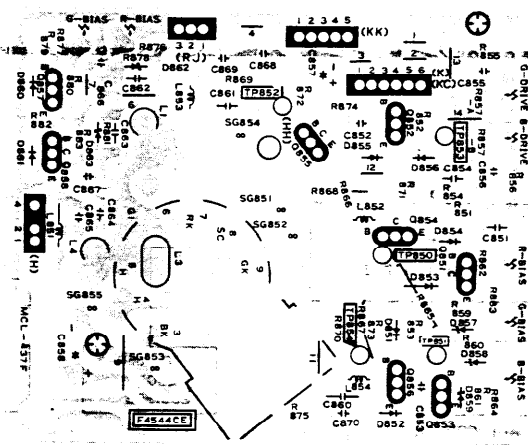
DUNTK4726WE

# PRINTED WIRING BOARD ASSEMBLIES

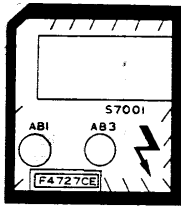
(All the PWBs here are shown as viewed from their wiring sides.)



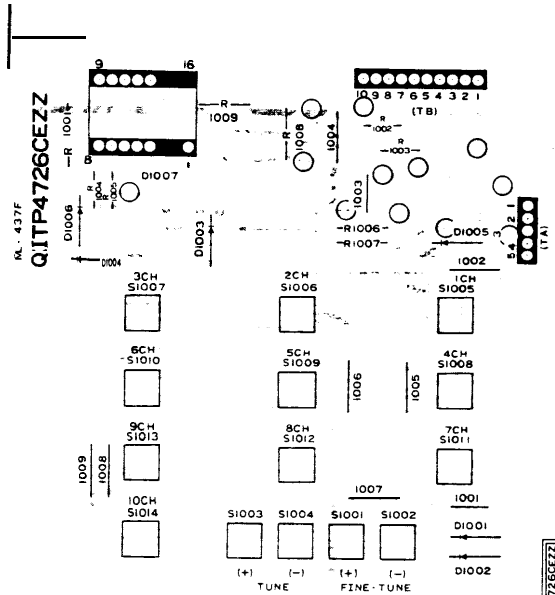
Mother Unit



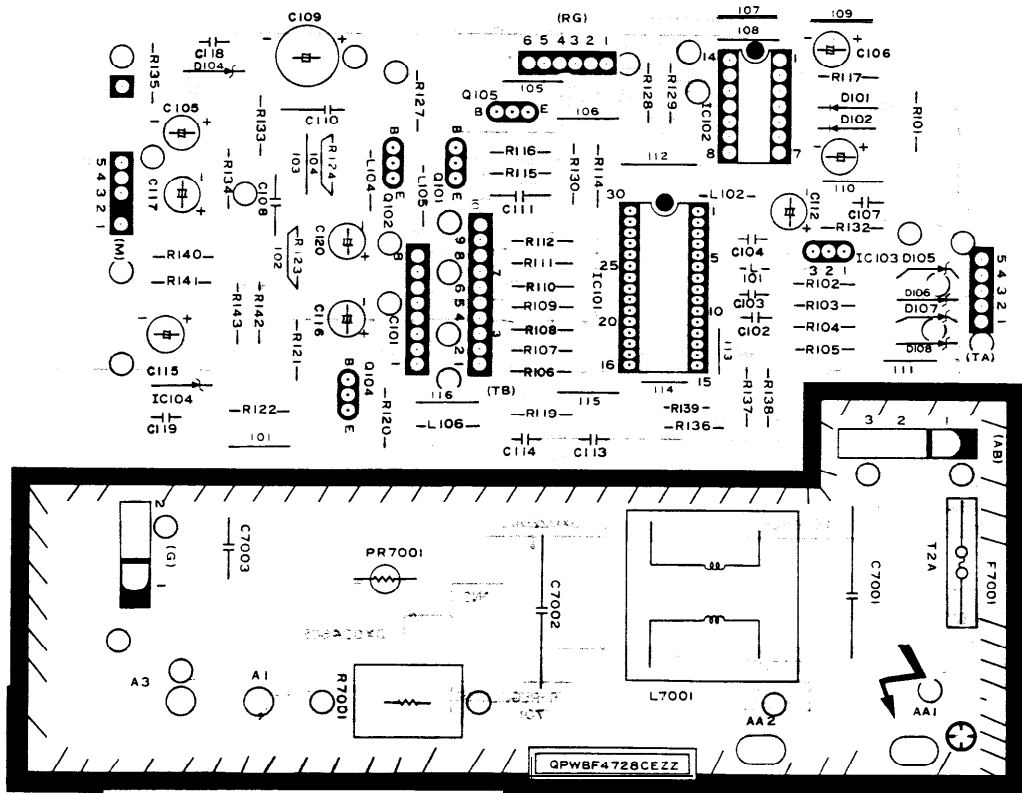
CRT Socket Unit



Power Switch Unit

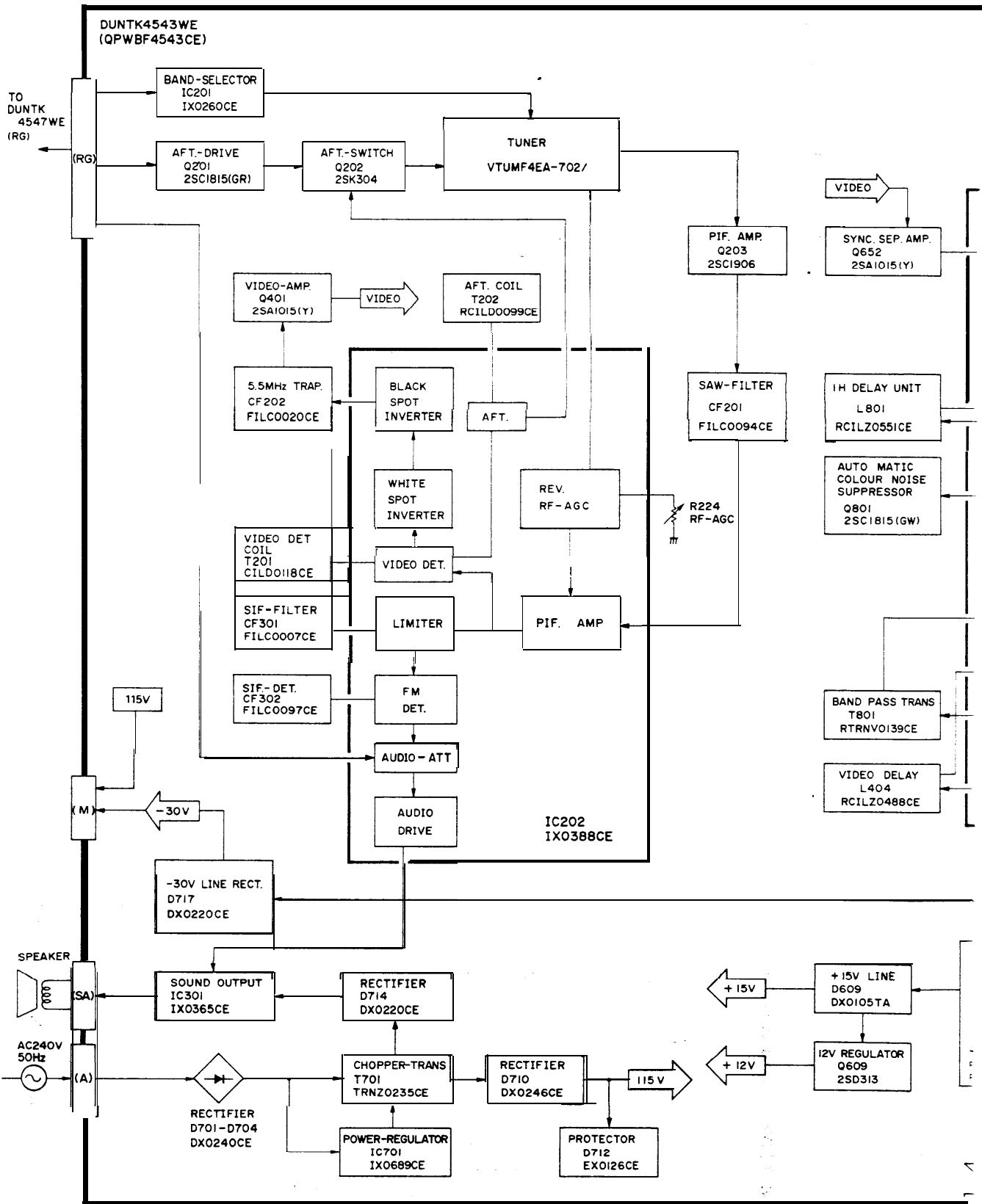


Control Unit

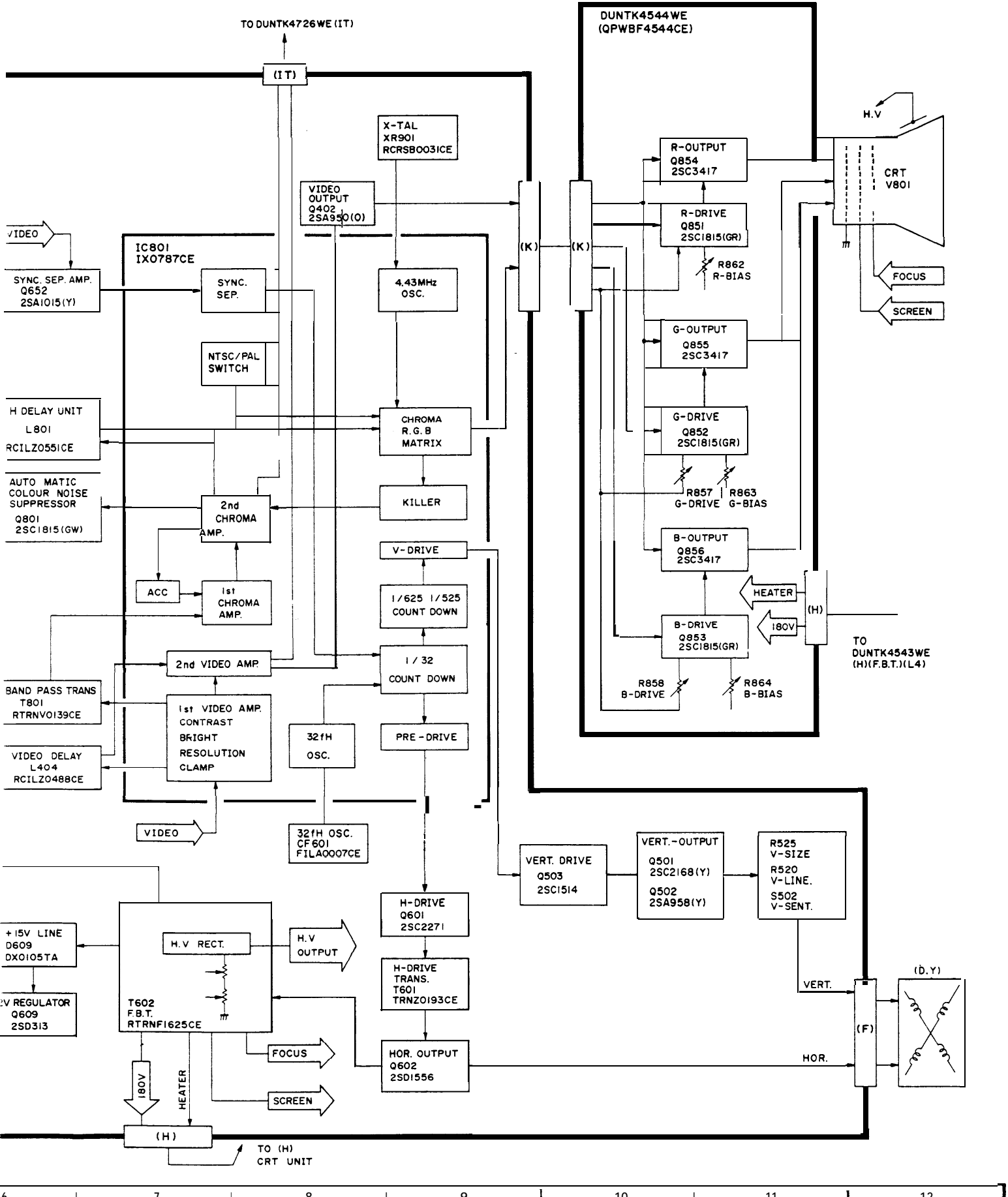


Channel Select Unit

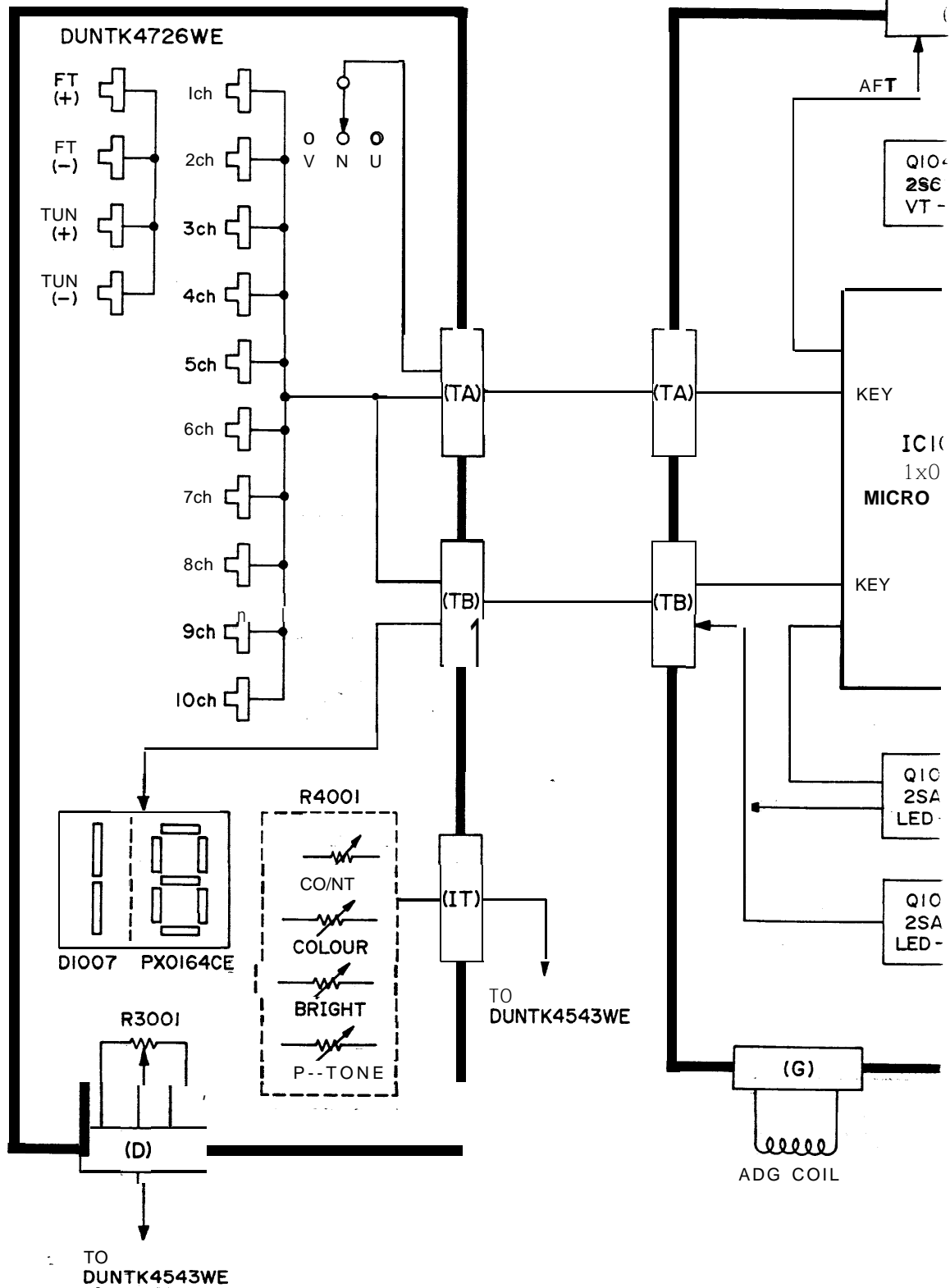
BLOCK DIAGRAM

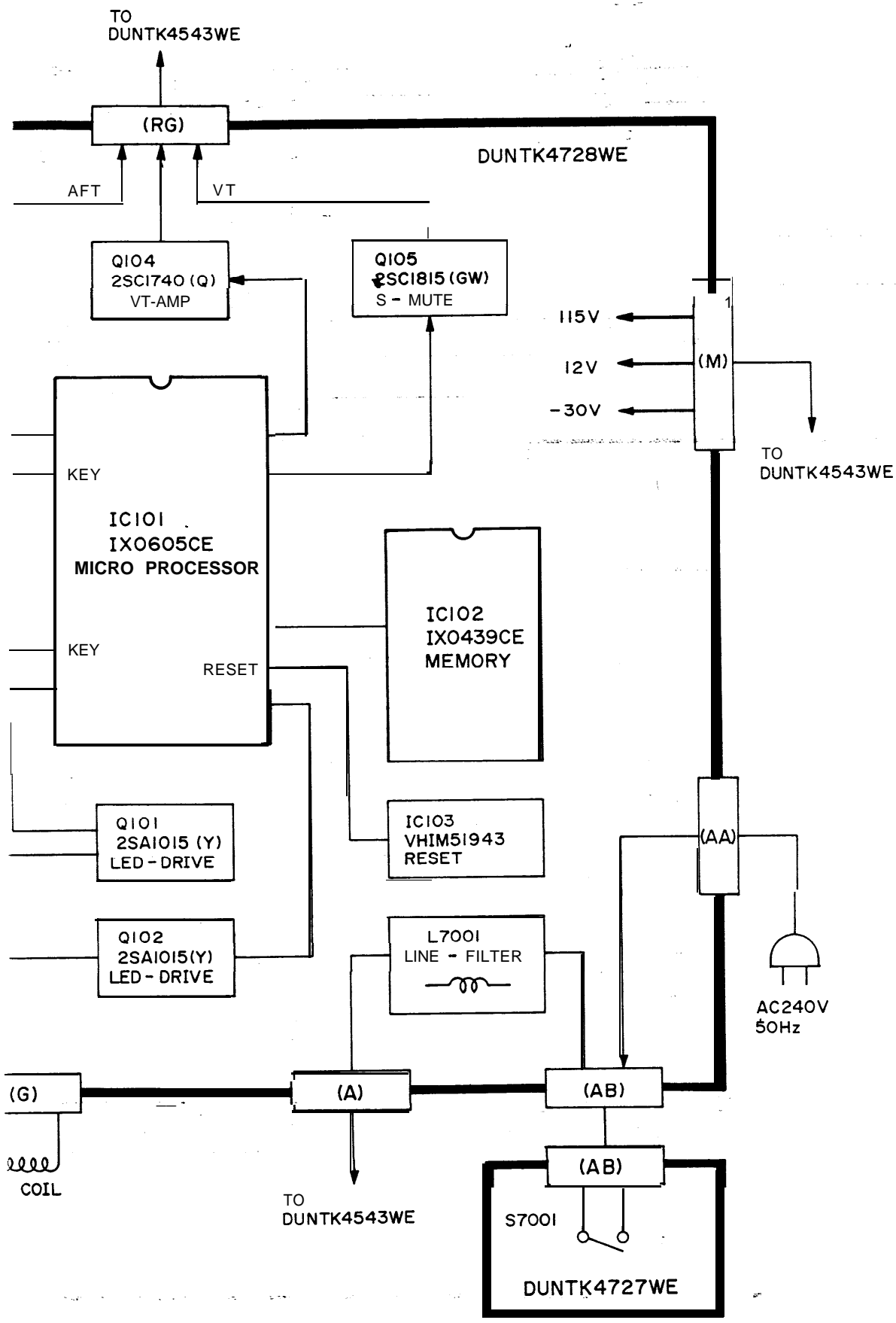


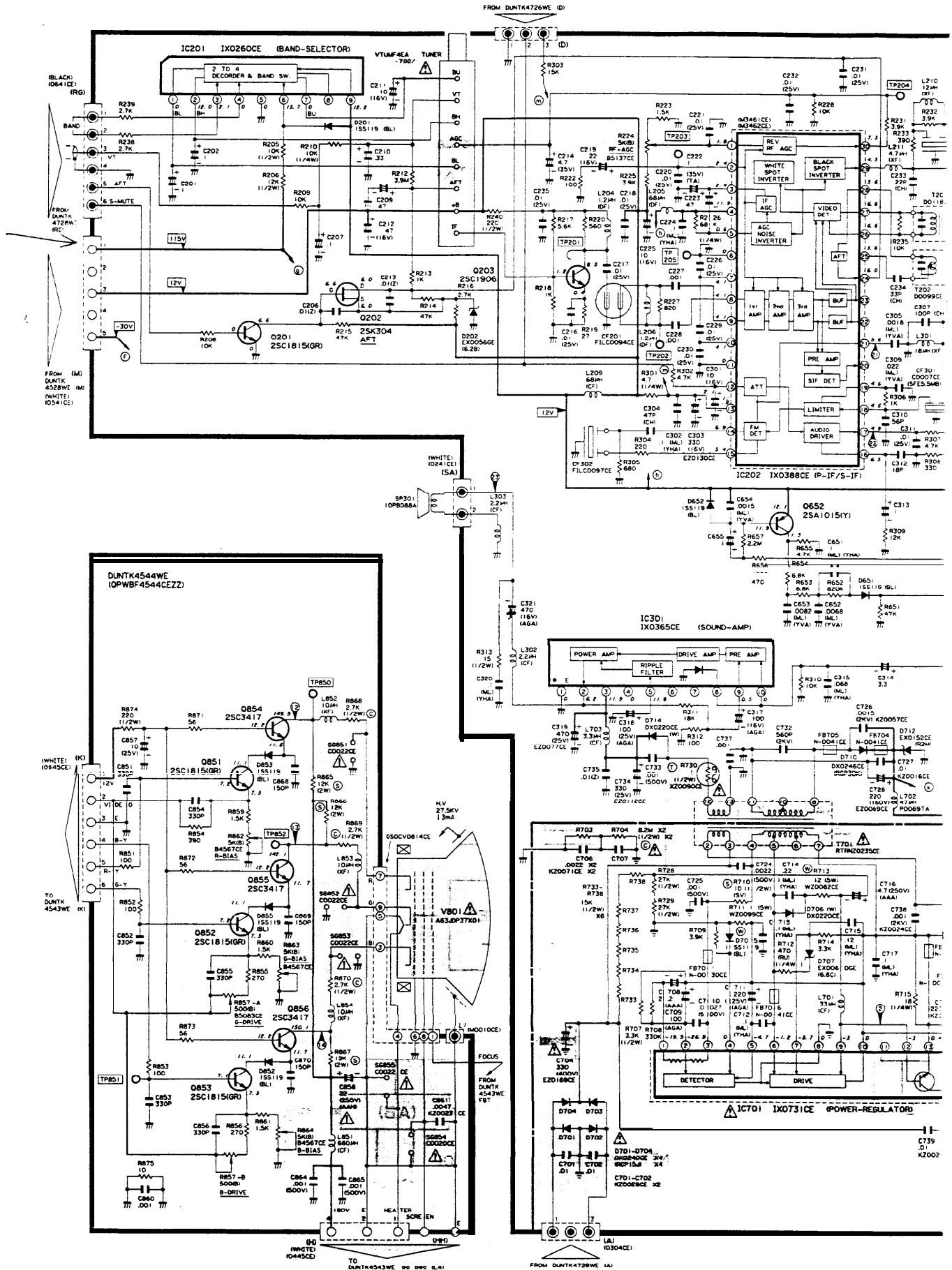
CK DIAGRAM





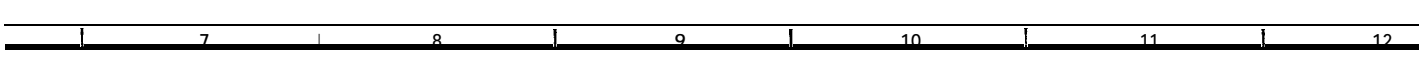
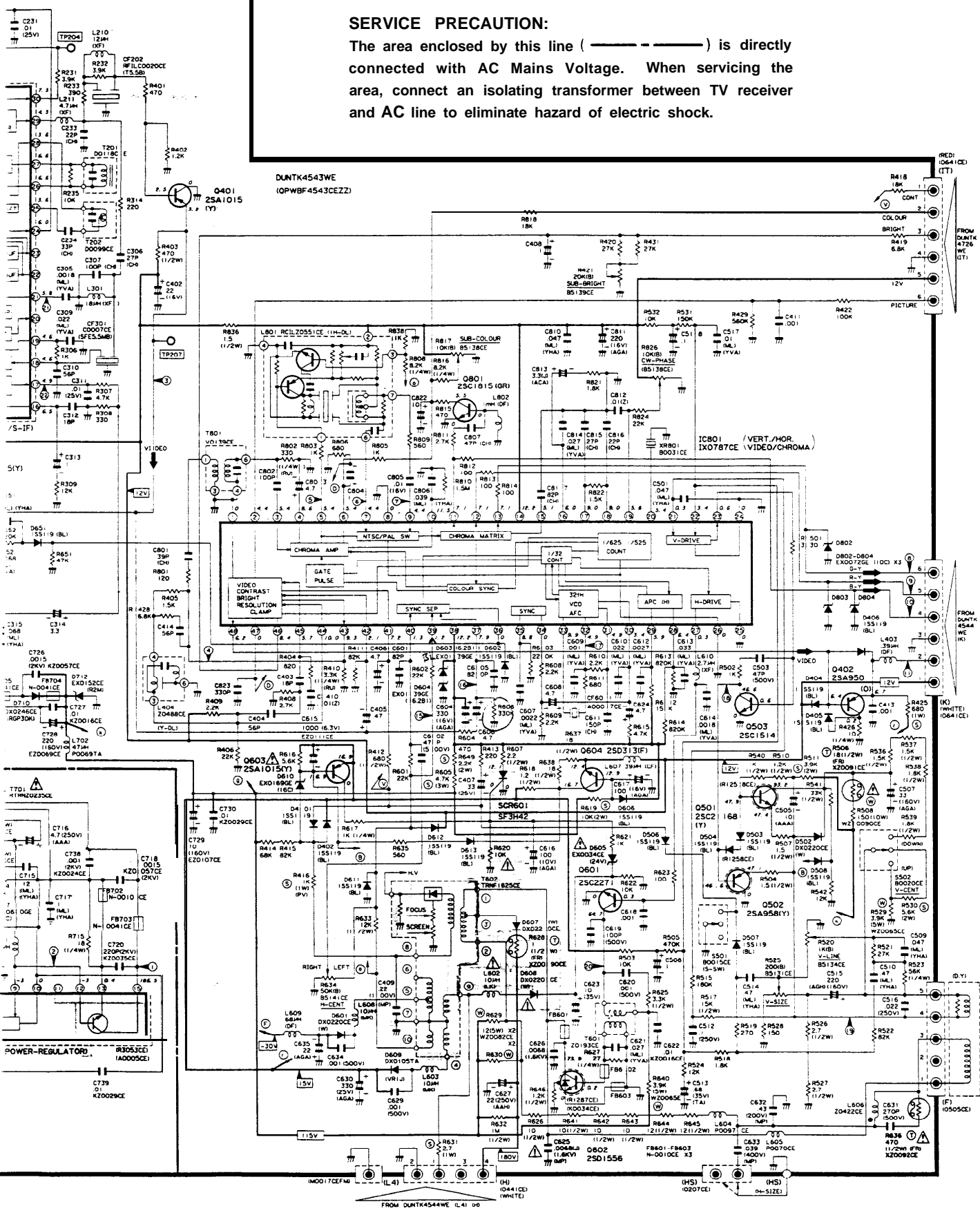






SERVICE PRECAUTION:

The area enclosed by this line ( ——— ) is directly connected with AC Mains Voltage. When servicing the area, connect an isolating transformer between TV receiver and AC line to eliminate hazard of electric shock.

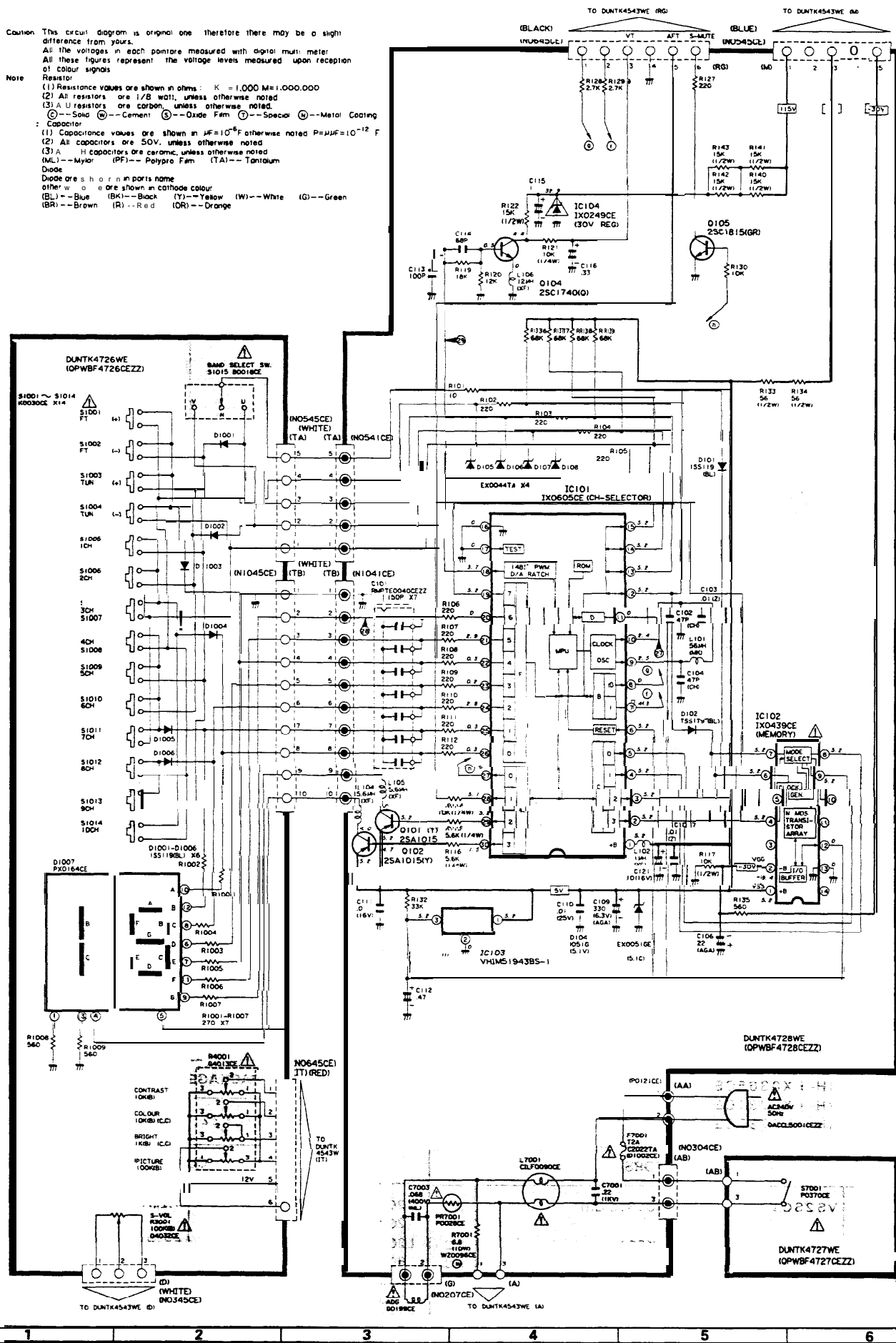


Caution: This circuit diagram is original one therefore there may be a slight difference from yours.

All the voltages in each point are measured with digital multi meter.  
All these figures represent the voltage levels measured upon reception of colour signals.

Note:

- Resistor:  
(1) Resistance values are shown in ohms: K = 1,000 M = 1,000,000  
(2) All resistors are 1/8 watt, unless otherwise noted  
(3) All resistors are carbon, unless otherwise noted
- Capacitor:  
(1) Capacitance values are shown in  $\mu F = 10^{-6} F$  otherwise noted  $P = \mu F = 10^{-12} F$   
(2) All capacitors are 50V, unless otherwise noted  
(3) All capacitors are ceramic, unless otherwise noted
- Diode are shown in parts name  
otherwise are shown in cathode colour  
(BL) -- Blue (BK) -- Black (Y) -- Yellow (W) -- White (G) -- Green  
(BR) -- Brown (R) -- Red (OR) -- Orange



## DESCRIPTION OF SCHEMATIC DIAGRAM AND WAVEFORMS

PARTS MARKED WITH "Δ" ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

**CAUTION:**

This circuit diagram is original one, therefore there may be a slight difference from yours.  
All the voltages in each point are measured with digital multi meter.  
All these figures represent the voltage levels measured upon reception of colour signals.

**NOTE:**

**RESISTOR**

- (1) Resistance values are shown in ohms:  
K=1,000 M=1,000,000
- (2) All resistores are 1/8 watt, unless otherwise noted.
- (3) All resistores are Carbon, unless other wise noted.
- Ⓢ..... Solid                      Ⓜ..... Cement
- Ⓟ..... Oxide Film                  Ⓣ..... Special
- Ⓝ..... Metal Coating

**CAPACITOR**

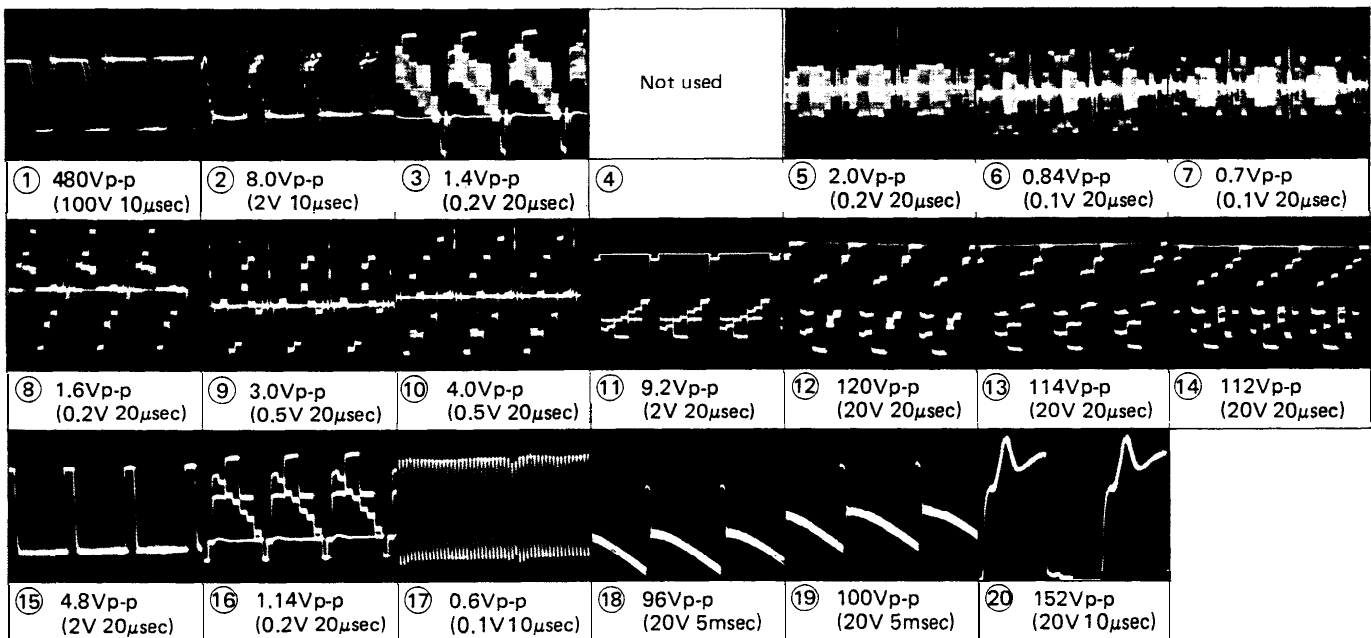
- (1) Capacitance values are shown in  $\mu=10^{-6}F$  otherwise noted  
 $p=\mu\mu F=10^{-12}F$
- (2) All capacitors are 50V, unless otherwise noted.
- (3) All capacitore are Ceramic, unless otherwise noted.  
(ML)..... Mylar      (PF)..... Polypro Film  
(TA) ..... Tantalum

**DIODE**

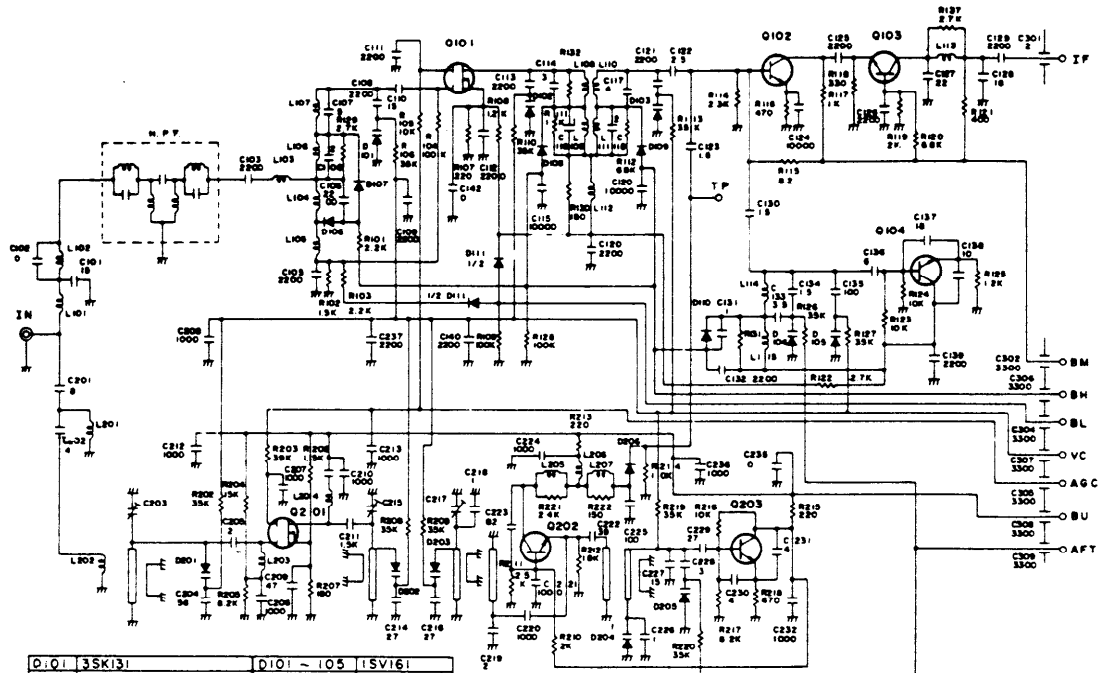
- Diode are, shown parts name other Diode are shown cathode colour.
- (BL)..... BLUE                      (BR)..... BLACK
  - (Y) ..... YELLOW                  (W)..... WHITE
  - (G) ..... GREEN                    (OR) ..... ORANGE

**Waveform Measurement Conditions**

- 1. Upon receiving EBU colour bar signal of 70 dB in field intensity.
- 2. ◉ indicates wave form check points (See chart, waveforms and measured from point indicated to chassis ground).



TUNER A VTUMF4EA-702/

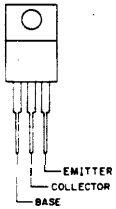


Q101	3SK131	D101 ~ 105	1SV161
Q102	2SC2735, 2SC2733	D106 ~ 110	1SS241
Q103	2SC2736, 2SC2757	D111	DAP202K
Q104	2SC2736, 2SC2757	D201 ~ 205	1SV153
Q201	3SK138	D206	1SS241
Q202	2SC2736, 2SC2734		
Q203	2SC2759, 2SC2758		

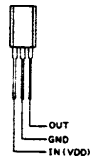
SOLID STATE DEVICE BASE DIAGRAM

VS2SD313F//1E  
VS2SC2168Y//2E

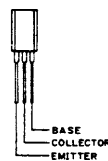
VS2SA958Y//2E



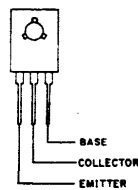
VHM519438S-1



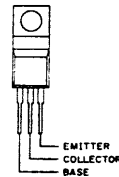
VS2SC2271-E1A



VS2SC3417//1



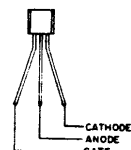
VS2SC1514-/2E



VS2SK304CD/-1



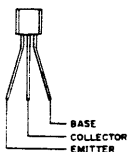
VHSSF3H42//1



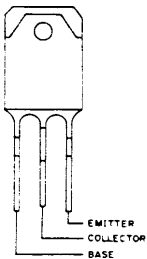
VS2SC1815GW-1

VS2SC1906//1E

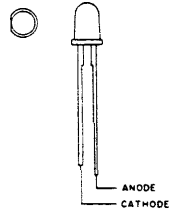
VS2SA950



VS2SD1556//2E



RH-PX0149CEZZ



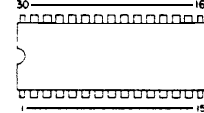
RMPT0043CEZZ



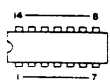
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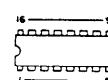
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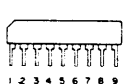
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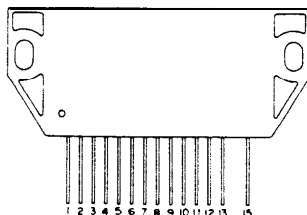
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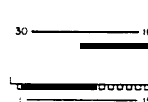
RH-1X0260CEZZ



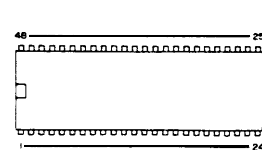
RH-1X0731CEZZ



RH-1X0703CEZZ



RH-1X0787CEZZ



RH-1X0249CEZZ



# PARTS LIST

## PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by  $\Delta$  in the Replacement Parts Lists.

The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

### "HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- |                 |                |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO.    |
| 3. PART NO.     | 4. DESCRIPTION |

Ref. No.	Part No.	Description	Code
Q402	VS2SA950 $\delta$ // - 1	2SA950	AD
Q501	VS2SC2168Y// 2 E	2SC2168(Y)	AF
0502	VS2SA958Y// 1 E	2SA958(Y)	AC
0503	VS2SC1514- / 2 E	2SC1514	AE
Q601	VS2SC2271- E 1 A	2SC2271	AC
Q602	VS2SD1556// 2 E	2SD1556	AP
0604	VS2SD313F// 1 E	2SD313(F)	AE
$\Delta$ SCR601	VHSSF3H42// - 1	SF3H42	AG
<b>DIODES</b>			
0201, 401, 402, 404   406, 503, 504, 506   508, 602, 606, 611   613, 651, 652, 705	VHD1SS119// - 1		AB
D202	RH- EX0056GEZZ	Zener Diode	AB
D502,	RH- DX0220CEZZ		AB
601, 607, $\Delta$ 608, 706, 714			
D603, 604	RH- EX0139GEZZ	Zener Diode	AA
$\Delta$ D605	RH- EX0034CEZZ	Zener Diode	AC
D609	RH- DX0105TAZZ		AD
$\Delta$ D610	RH- EX0169GEZZ	Zener Diode	AA
$\Delta$ D701   $\Delta$ 704	RH- DX0240CEZZ		AB
D707	RH- EX0060GEZZ	Zener Diode	AA
D710	RH- DX0246CEZZ		AD
D712	RH- EX0152CEZZ	Zener Diode	AE
D802	RH- EX0072GEZZ	Zener Diode	AA
 804			
<b>PACKAGED CIRCUIT</b>			
XR801	RCRSB003 1 CEZZ	Crystal	AK
<b>TRANSISTORS</b>			
0201, 801	VS2SC1815GW- 1	2SC1815(GR)	A0
Q202	VS2SK304CD/ - 1	2SK 304	AC
Q203	VS2SC1906// 1 E	2SC 1906	AC
0401, 603, 652	VS2SA1015Y// 1 E	2SA1015(Y)	AC
<b>COILS</b>			
L204, 206	V P - DF 1R2M0000	1.2 $\mu$ H	AB
L205, 609	V P - DF 680K0000	68 $\mu$ H	A%
L209	V P - CF 680K0000	68 $\mu$ H	AB
L210	V P - XF 120K0000	12 $\mu$ H	AB
L211	V P - XF 4R7K0000	4.7 $\mu$ H	AB



Ref.No.	Part No.	Description	Code	Ref. No.	Part No.	Description	Code
L301	VP - XF180K0000	18μH	AB	C602	VCCSPA2HL470K	47p 500V Ceramic	AA
L302, 303	VP - CF2R2M0000	2.2μH	AB	C604	VCEAGA1CW337M330	16V Electrolytic	AC
L403	VP - DFR39M0000	0.39μH	AB	C615	RC - EZ0111CEZZ1000	6.3V Electrolytic	AC
L404	RCiLZ0488CEZZ	Video Delay	AH	C616	VCEAGA1AW107M100	10V Electrolytic	AB
L602	VP - LK100K0000	10μH	AB	C619	VCKYPA2HB101K100p	500V Ceramic	AA
L603, 608	VP - MK100K0000	10μH	AB	C620,	VCKYPA2HB102K0.001	500V Ceramic	AA
L604	RCiLP0097CEZZ		AE	629,			
L605	RCiLP0070CEZZ		AD	634,			
L606	RCiLZ0422CEZZ		AG	725,			
L607	VP - CF390K0000	39μH	AB	733			
L610	VP - XF2R7M0000	2.7μH	AB	C622,	RC - KZ0016CEZZ0.01	Ceramic	AC
L701	VP - CFR33M0000	0.33μH	AB	727			
L702	RCiLP0069TAZZ	47μH	AF	AC625,	VCFPPD3CA682J0.0068	1.6kV Metalized Polyester	AE
L703	VP - CF3R3K0000	3.3μH	AB	626			
L801	RCiLZ0551CEZZ	1H-DL Unit	AE	C627	VCEAAH2EW226M22	250V Electrolytic	AD
L802	VP - DF102K0000	1mH	AB	C630	VCEAGA1EW337M330	25V Electrolytic	AC
<b>CERAMIC FILTERS</b>				C631	VCKYPA2HB271K	270p 500V Ceramic	AA
CF201	RFiLC0094CEZZ	SAW Filter	AK	C632	VCFPPD2DB434J0.43	200V Metalized Polyester	AE
CF202	RFiLC0020CEZZ	5.5MHz Trap	AE	C633	VCFYSB2GB393K0.039	400V Mylar	AC
CF301	RFiLC0007CEZZ	SIF Filter	AE	ΔC701,	RC - KZ0029CEZZ0.01	Ceramic	AC
CF302	RFiLC0097CEZZ	SIF Detector	AF	A 702,			
CF601	RFiLA0007CEZZ	32FH Osc.	AE	730,			
<b>TRANSFORMERS</b>				739			
T201	RCiLD0118CEZZ	P-DET	AD	AC704	RC - EZ0169CEZZ330	400v Electrolytic	AT
T202	RCiLD0099CEZZ	AFT	AE	ΔC706,	RC- KZ0071CEZZ	0.0022 Ceramic	AC
T601	RTRNZ0193CEZZ	Horizontal Drive	AG	A 707			
T602	RTRNF1625CEZZ	Flyback Trans.	BH	C709	VCEAGAIHW107M100	50v Electrolytic	AC
T701	RTRNZ0235CEZZ	Regulator Trans.	AT	C710	VCKYPA2HB272K0.0027	500V Ceramic	AA
T801	RCiLV0139CEZZ	Band Pass Trans.	AE	C711	VCEAGAI EW227M220	25V Electrolytic	AC
<b>CONTROLS</b>				C716	VCEAAA2EW475M4.7	250V Electrolytic	AB
R224	RVR - B5137CEZZ	5k(B) RF-AGC	AB	C718,	RC - KZ0057CEZZ0.0015	2kV Ceramic	AD
R421	RVR - B5139CEZZ	20k(B) Sub-Brightness	AB	726			
R520	RVR - B5134CEZZ	1k(B) Vertical-Line	AD	C720	RC - KZ0035CEZZ220p	2kV Ceramic	AB
R525	RVR - B5131CEZZ	200k(B) Vertical-Size	AD	C724	VCKYPA2HB222K0.0022	500V Ceramic	AA
R634	RVR - B5141CEZZ	50k(B) Horizontal-Center	AD	C728	RC - EZ0069CEZZ220	160V Electrolytic	AG
R817, 826	RVR - B5138CEZZ	10k(B) Sub Colour Carrier Wave-Phase	AB	c729	RC - EZ0107CEZZ10	160V Electrolytic	AF
<b>CAPACITORS</b>				C732	VCKYPH3DB561K	560p 2kV Ceramic	AC
c222	VCSATA1VE105K	1 35v Tantalum	AD	c734	RC - EZ0112CEZZ330	25V Electrolytic	AC
C303	RC - EZ0130CEZZ	330 16V Electrolytic	AC	C738	RC - KZ0024CEZZ0.001	2kV Ceramic	AC
C317, 617	VCEAGAI CW107M100	16V Electrolytic	AB	C811	VCEAGA1CW227M220	16V Electrolytic	AC
C318	VCEAGA1EW107M100	25V Electrolytic	AD	<b>RESISTORS</b>			
C319	RC - EZ0077CEZZ	470 25V Electrolytic	AD	R416	VRS - PV3AB102J	1k 1W Oxide Film	AA
C321	VCEAGA1CW477M470	16V Electrolytic	AC	R425	VRS - VV3AB681J	680 1W Oxide Film	AA
C409	VCFYSB2AB224K0.22	100V Mylar	AD	AR506	RR - XZ0091CEZZ18	1/2W Fuse Resistor	AB
C503	VCCSPA2HL470K	47p 500V Ceramic	AA	R508	RR - WZ0090CEZZ150	10W Cement	AC
C507	VCEAGA2CW336M33	160V Electrolytic	AD	R511	VRS - VV3DB392J	3.9k 2W Oxide Film	AA
C512	VCFYSB2EB104K0.1	250V Mylar	AC	R529,	RR - WZ0065CEZZ3.9k5	W Cement	AD
C513	VCSATA1VE684K0.68	35V Tantalum	AC	640			
C515	VCEAGH2CW227M220	160V Electrolytic	AH	R530	VRS - VV3DB562J	5.6k 2W Oxide Film	AA
C516	VCFYSB2EB223K0.022	250V Mylar	AC	R605	VRS - VV3LB472J	4.7k 3W Oxide Film	AB
				R619	VRS - VV3DB103J	10k 2W Oxide Film	AA
				ΔR620	VRD - RA2BE103J	10k 1/8W Carbon	AA
				ΔR628,	RR - XZ0090CEZZ1	1/2W Fuse	AB
				A 730			
				R629,	RR - WZ0082CEZZ12	5w Cement	AD
				630,			
				713			
				R631	VRN - VV3AB2R7J2	.71W Metal Coating	AA
				AR636	RR - XZ0092CEZZ470	1/2W Fuse Resistor	AB
				R649	VRS - VV3DB222J	2.2k 2W Oxide Film	AA

Ref.No.	Part No.	Description	Code	Ref. No.	Part No.	Description	Code
AR 703, A 704, R710, R711	V R C - UA2HG825K	8.2M 1/2W Solid	AA	<b>CAPACITORS</b>			
	VRS- SV2HC100J	100 1/2W Oxide Film	AA	AC858	VCEAAH2EW226M2	2 250 Electrolytic	A D
	RR - WZ0099CEZZ	1 5w Cement	AD	AC861	RC - KZ0023CEZZ	0.0047 Ceramic	AD
				C864, 865	VCKYPA2HB102K0	0.001 500V Ceramic	AA
<b>SWITCHES</b>				<b>RESISTORS</b>			
S501 S502	QSW- BOO1 5CEZZ QSW-B0020CEZZ	Service Vertical Center	AC AE	R865, 866, 867	VRS- VV3DB123J	12k 2W Oxide Film	AA
<b>MISCELLANEOUS</b>				<b>MISCELLANEOUS</b>			
FB601, 602, 603, 702 FB701 FB703, 704, 705, 706	RBL N- 001 OCEZZ   RBLN- 0030CEZZ RBL N- 0041 CEZZ	Ferrite Bead   Ferrite Bead Ferrite Bead	AC   AC AB	ASG851, A 852, A 853, A 855 ASG854	QSO CV0814CEZZ QSPGC0022CEZZ  QSPGC0020CEZZ	CRT Socket Spark Gap  Spark Gap	AG AB  AC
<b>DUNTK4544WEV4</b>				<b>DUNTK4726WEVO</b>			
<b>TRANSISTORS</b>				<b>DIODES</b>			
Q851, 852, 853 Q854, 855, 856	VS2SC1815GW-1  VS2SC3417//1E	2SC1815(GR)  2SC3417	AB  AC	01001   006 D1007	VHD1SS119//1-1  RH- PX0164CEZZ	1SS119  Channel LED	AB  AN
<b>DIODES</b>				<b>CONTROLS</b>			
D852, 853, 855	VHD1SS119//1-1		AB	AR3001 AR4001	RVR- Q4032CEZZ RVR- G4013CEZZ		AF AG
<b>COILS</b>				<b>MISCELLANEOUS</b>			
L851 L852   854	VP- CF 68 1 KOOOO VP- XF 1 OOKOOOO	680μH 10μH	AB AB	AS1001   1014 AS1015	RR MCUO160CEZZ QSW- K0030CEZZ  QSW- B00188CEZ	Remote Control Receiver  Band Select	AR AB  AD
<b>CONTROLS</b>				<b>DUNTK4727WEVO</b>			
R857-A/ -B R862 863, 864	RVR- B5083CEZZ R V R - B4567CEZZ	500k(B)x2 Green Drive/ Blue Drive Red Bias Green Bias Blue Bias	AC  AC	AS7001	QSW- P0370CEZZ	Power Switch	AK
<b>DUNTK4728WEVO</b>				<b>INTEGRATED CIRCUITS</b>			
				IC101 IC102	RH- IX0605CEZZ RH- IX0439CEZZ		AS AQ

Ref .No.	Part No.	Description	Code	Ref. No.	Part No.	Description	Code
IC103 IC104	VHi M51943BS - 1 RH- i X0249CEZZ		AP AE	<b>CABINET PARTS</b>			
<b>TRANSISTORS</b>					CCABA5166CES0 Not Available	Front Cabinet Ass'y Front Cabinet	- AC
Q101, 102	VS2SA1015Y / 1E	2SA1015(Y)	AC	GLEGP9007CEZZ	Leg		BB
Q104	VS2SC1740QR1E	2SC1740(Q)	AB	CWAKP1136CE37 Not Avairable	Front Frame Ass'y Front Frame		-
Q105	VS2SC1815GW- 1	2SC1815(GR)	AB	GDöRF1572CESA	Door		AL
<b>DIODES</b>					HBDGB1058AF SA	Badge "SHARP"	AD
D101, 102	VHD1SS119 / / - 1		AB	HBDGD3016CESA	Badge "LINYTRON"		AE
D105	RH- EX0044TAZZ	RD8.2	AB	HiNDM2483CESA	Indication Metal		AD
				HiNDM2485CESA	Decoration Metal		AF
108				HiNDP2379CESA	Indication LED		AD
D104	RH - EX0051GEZZ	Zener Diode	AA	HPNLC1563CESA	Indication Panel		AW
<b>PACKAGED CIRCUITS</b>					HPNLC0160CESA	Punching Plate	AR
C101 PR7001	RMPTE0040CEZZ RMPTP0028CEZZ	Positive Coefficient Thermister	AD AG	CCABB1650WEV1 Not Available	Back Cabinet Ass'y Back Cabinet		-
<b>COILS</b>					JBTN- 1321CESC	Button, Power	AC
L101	VP - MK560K0000	56µH	AB	JBTN- 1354CESA	Button, Channel		AE
L102	VP- XF 1 ROM0000	1µH	AB	JKNBP1099CESA	Knob		AC
L104, 105	VP- XF5R6K0000	5.6µH	AB				
L106	VP- XF120K0000	12µH	AB				
L7001	RCiLF0090CEZZ	Line Filter	AL				
<b>CAPACITORS</b>							
C109 C7001 C7003	VCEAGA0JW337M VCFYSK3AB224K VCFYSB2GB683K	330 6.3V Electrolytic 0.22 1kV Mylar 0.068 400V Mylar	AB AG AD				
<b>RESISTOR</b>							
R7001	RR- WZ0096CEZZ	6.8 10W Cement	AE				
<b>MISCELLANEOUS</b>							
F7001	QFS- C2022TAZZ QFSHD1002CEZZ QACCL 5001CEZZ	Fuse, T2A Fuse Holder (2 Used) AC Cord	AE AA AP				
<b>MISCELLANEOUS</b>							
SP301	VSP0010PBD88A	Speaker	AP				

CX-6336

SHARP

T5652-S  
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