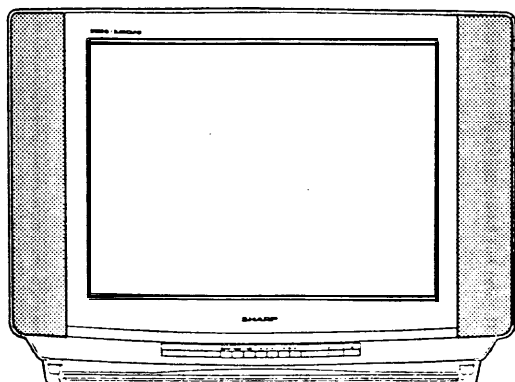


# SHARP SERVICE MANUAL

SX3J9SX51B8//



**PAL SYSTEM  
COLOUR TELEVISION**  
**Chassis No. 21B**

**MODELS SX-51B8**

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.

## FEATURE

- One Chip Microprocessor Voltage Synthesizer System
  - 39 Channels Programming System
  - Channel Skip Preset System
  - Last (Channel/Volume/Power/DAC) Memory System
- Full Auto Channel Preset System
- Automatic Fine Tuning System (AFT System)
- 21 Inches Tint CRT
- Direct Access Remote Control
- One-Touch ON/OFF Timer
- AV Input Terminal

- NTSC 3.58/4.43 MHz Play Back System (at A/V Input)
- Blue Back Off-Timer
- Flash Back
- Multiplex Sound System (I.G.R.-Stereo, Bilingual)
- Sound Surround System (Movie, Music, Mono-Wide)
- TELETEXT

The SX-51B8 is a sister model of SX-51 B7 and is equipped with the AN-224TX (TELETEXT unit).

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In this Service Manual there are two sections; the first part (up to page 30) is assigned to the descriptions of the SX-51B8 and the second part to the descriptions of the **TELETEXT** unit **AN-224TX** (option) applied to the SX-51B7.

## 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**

ELECTRICAL SPECIFICATIONS

Power Input	220 — 240 V AC, 50 Hz
Power Consumption	100 W (at 240 V AC 50 Hz) 8.0 W (at Stand-by Mode)
Convergence	Self Converging System
Focus	High Bi-Potential Electrostatic
Sweep Deflection	Magnetic
Audio Power Output Rating	3.2W + 3.2W (Max.)
Speaker Size and Voice Coil Impedance	1 x 4.5 cm Elliptical x 2 pcs 8 Ω 16 Ω at 400 Hz
Intermediate Frequencies	
Picture IF Frequency	36.875 MHz
Sound Carrier Trap	31.375 MHz
Receiving Broadcast System	CCIR PAL B/G
Receiving System	
Sound	5 74 MHz 2 Carrier FM
Colour	PAL (4. MHz) R-Y/B-Y Demod. System
Aerial Input Impedance	75 Ω Unbalanced
VHF/UHF	
Receiving Channel	AU0 thru AU11
VHF	AU28 thru AU69
Receiving Frequency	
VHF	46.25 MHz thru 216.25 MHz
UHF	527.25 MHz thru 814.25 MHz
Dimensions (approx.)	
Width	604.0 mm
Height	463.0 mm
Depth	466.0 mm
Weight (approx.)	23.5 kg
Cabinet Material	All Plastics

Specifications are subject to change without prior notice.

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 dag and 2nd anode lead. (AC line cord should be disconnected from AC outlet.)

- Picture tube in this receiver employs integral implosion protection.
- Replace with tube of the same type number for continued safety.
- Do not lift picture tube by the neck.
- Handle the picture tube only when wearing proper eye protection 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:

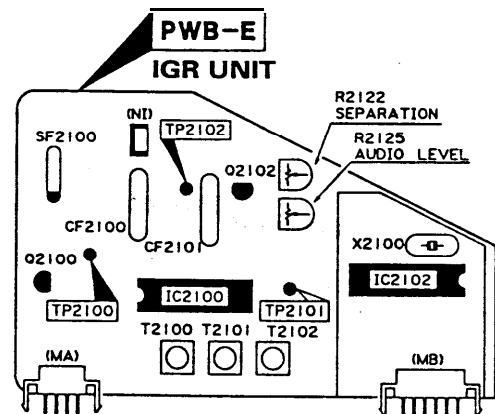
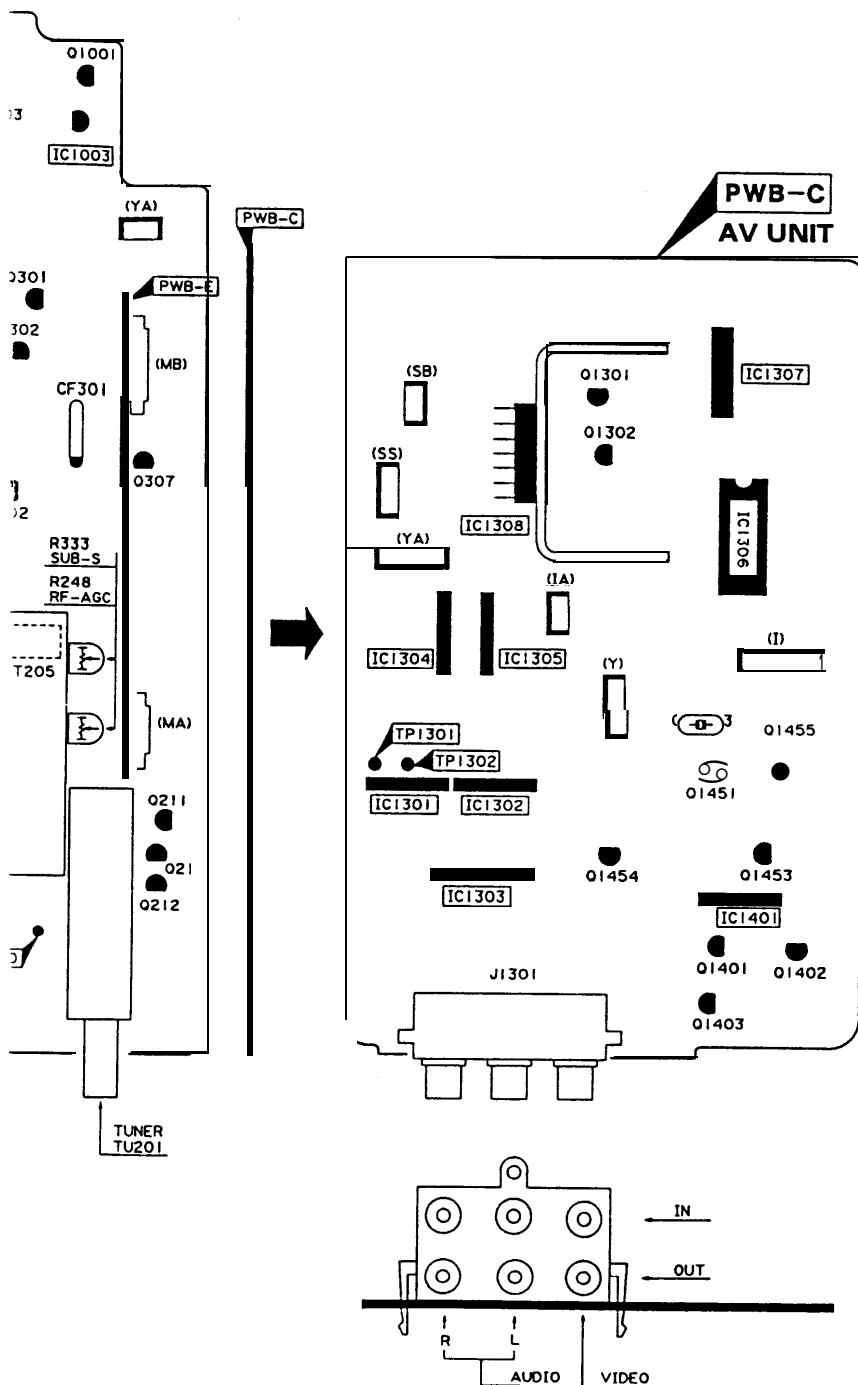
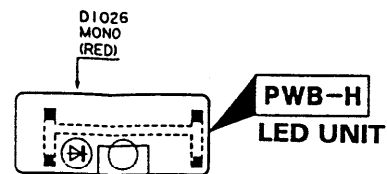
- When repairing the circuit, be sure not to increase the high voltage to more than 29.0 kV, (at zero beam) for the set.
- To keep the set in a normal operation, be sure to make it function on 24.8 kV ± 1.5 kV (at beam 1.1 mA) in the case of the set. The set has been factory — Adjusted to the above-mentioned 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.
- 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.

- 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.
- 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.

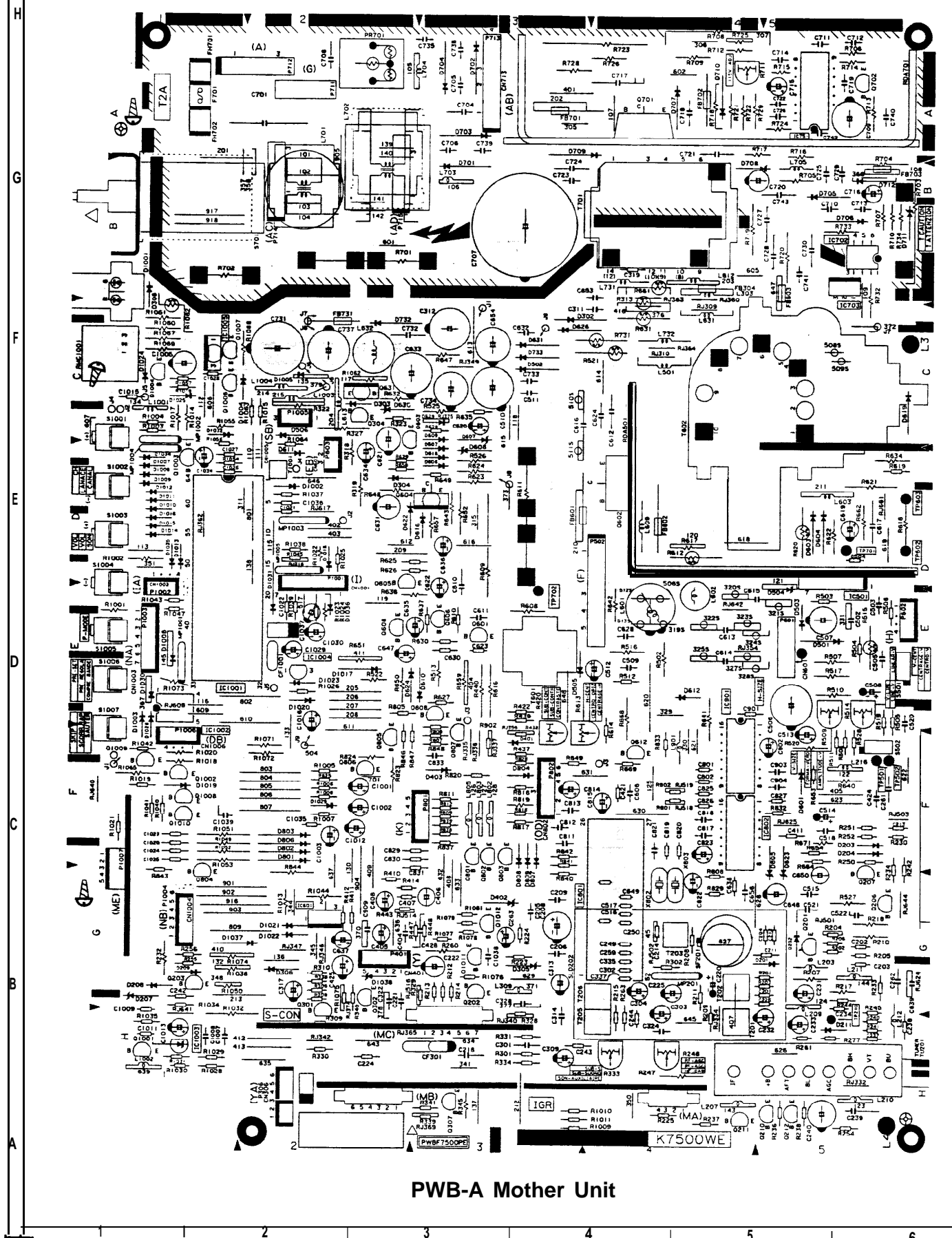


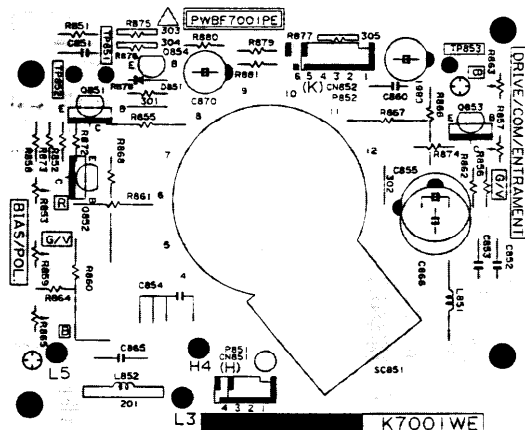


※ NOTE: The **PWB-F** TELETEXT Unit is discussed in the Model AN-224TX Service Manual.

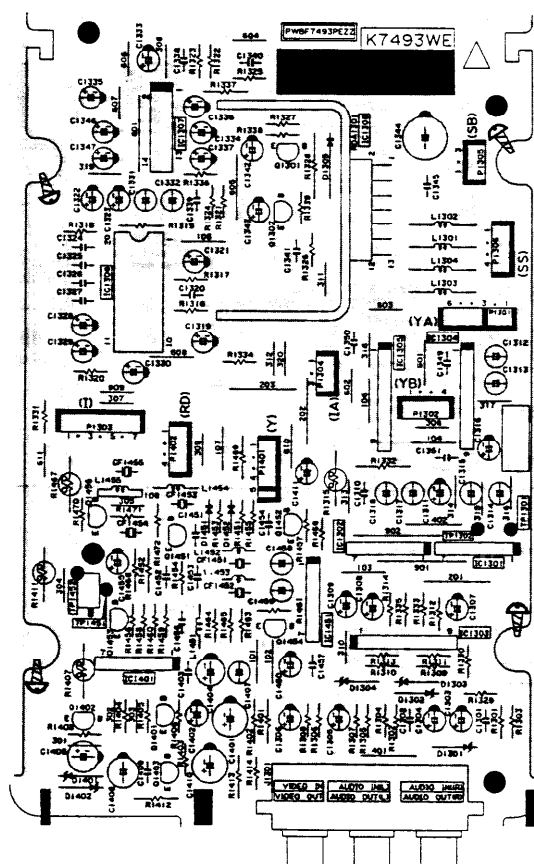
# PRINTED WIRING BOARD ASSEMBLIES

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

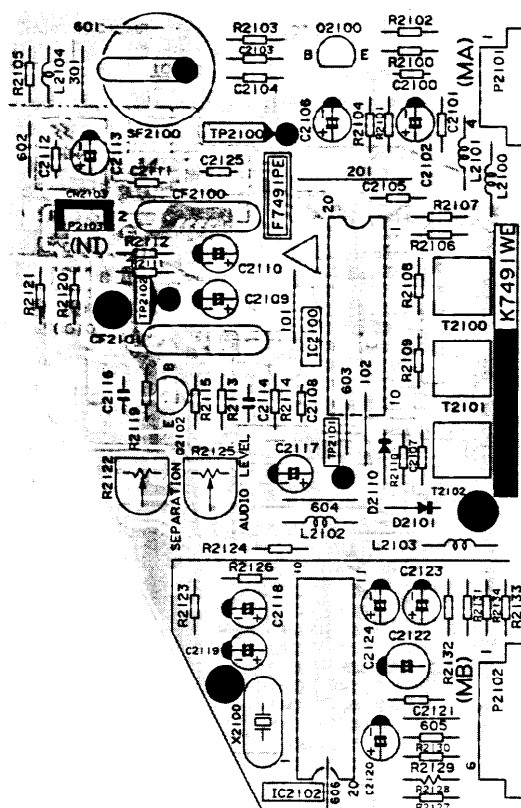




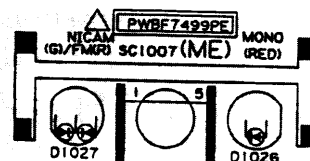
## PWB-B CRT Socket Unit



## PWB-C AV Unit



## PWB-E IGR Unit

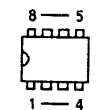


## PWB-H LED Unit

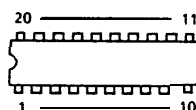
**NOTE:** The **PWB-F** TELETEXT Unit is discussed in the Model AN-224TX Service Manual.

# SOLID STATE DEVICE BASE DIAGRAM

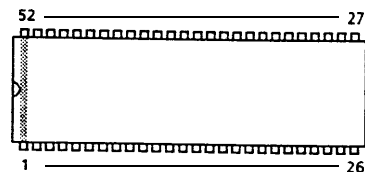
## TOP VIEW



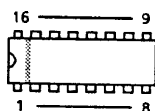
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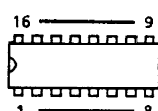
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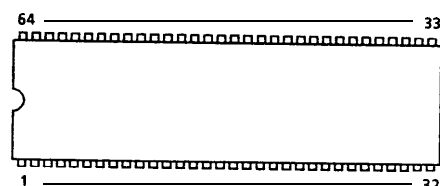
TDA8362



TDA466 1

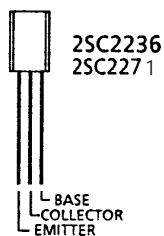
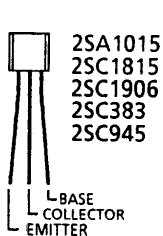


iX1 779CE

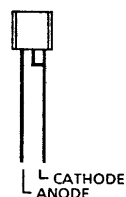


iX1 830CE

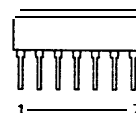
## SIDE VIEW



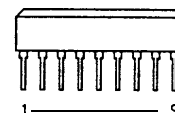
PST529C2



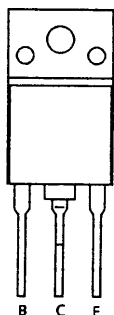
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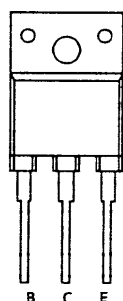
TA7347P



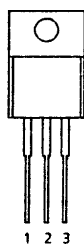
TA7348P



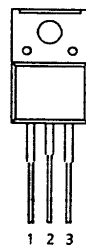
2SD2095



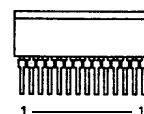
2SD 1884



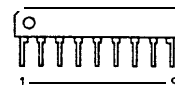
UPC78M05



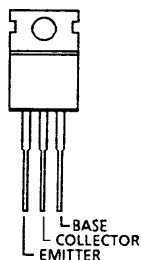
TA78085



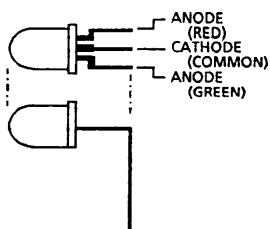
M51523AL



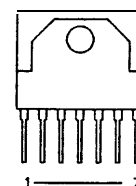
iX0257CE



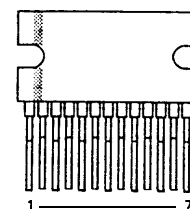
2SD880



PX0291CE



iX0640CE



TDA7057Q


# DESCRIPTION OF SCHEMATIC DIAGRAM

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


## SAFETY NOTE:

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACE/NC PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

## IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "△" (  ) 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.

## 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.

## NOTES:

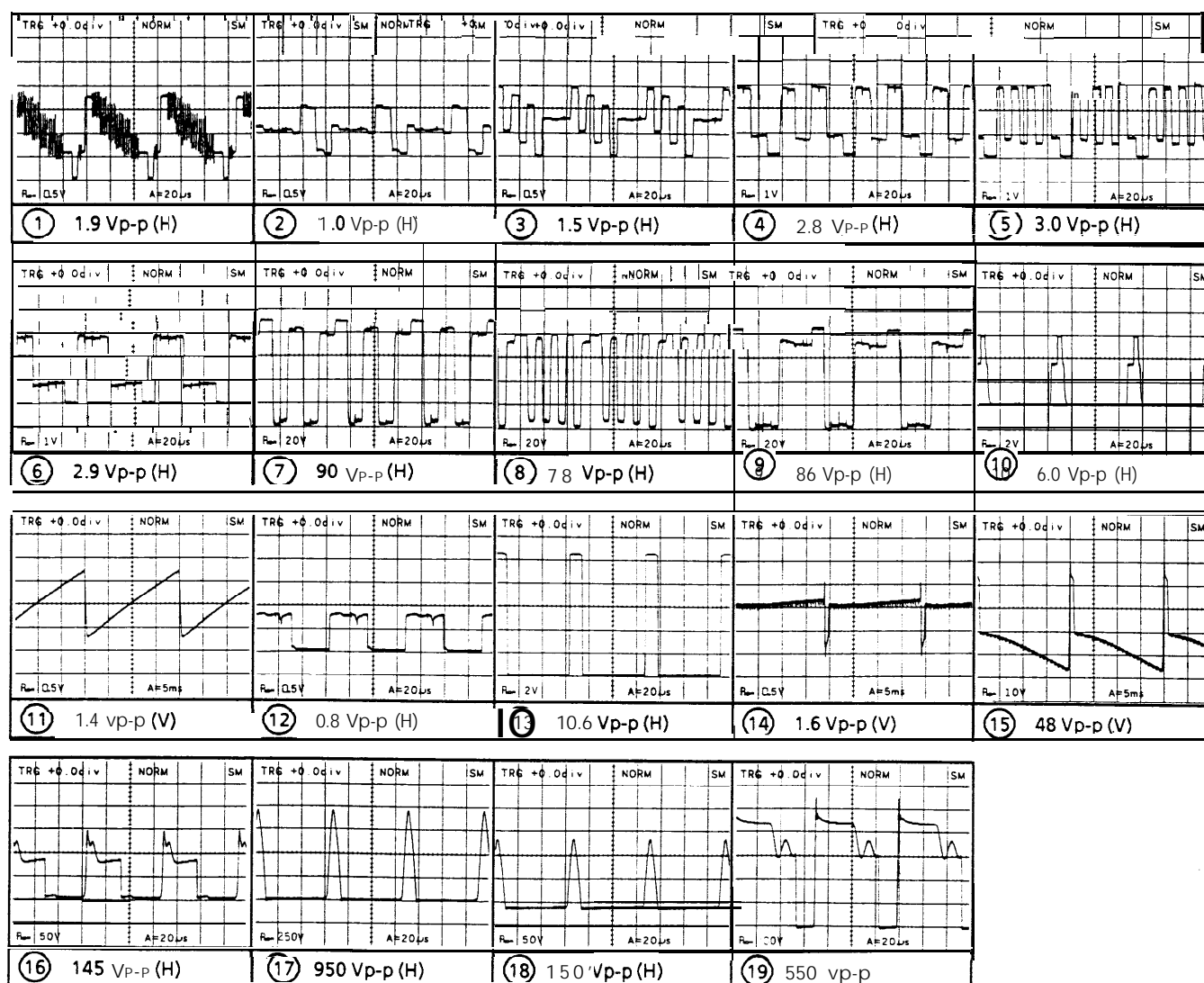
1. The unit of resistance "ohm" is omitted.  
(K = 1000 ohms, M = Meg ohm).
2. All resistors are 1/8 watt, unless otherwise noted.
3. All capacitors are  $\mu F$ , unless otherwise noted.  
(P =  $\mu F$ ).
4. The diodes, whose parts code is not described, are the 1SS119.

## VOLTAGE MEASUREMENT CONDITIONS:

1. The voltage without parenthesis represents the value measured with PAL colour signal.
2. The voltage in parenthesis represents the value measured with no signal.
3. All the voltages were measured by using a high impedance voltmeter.

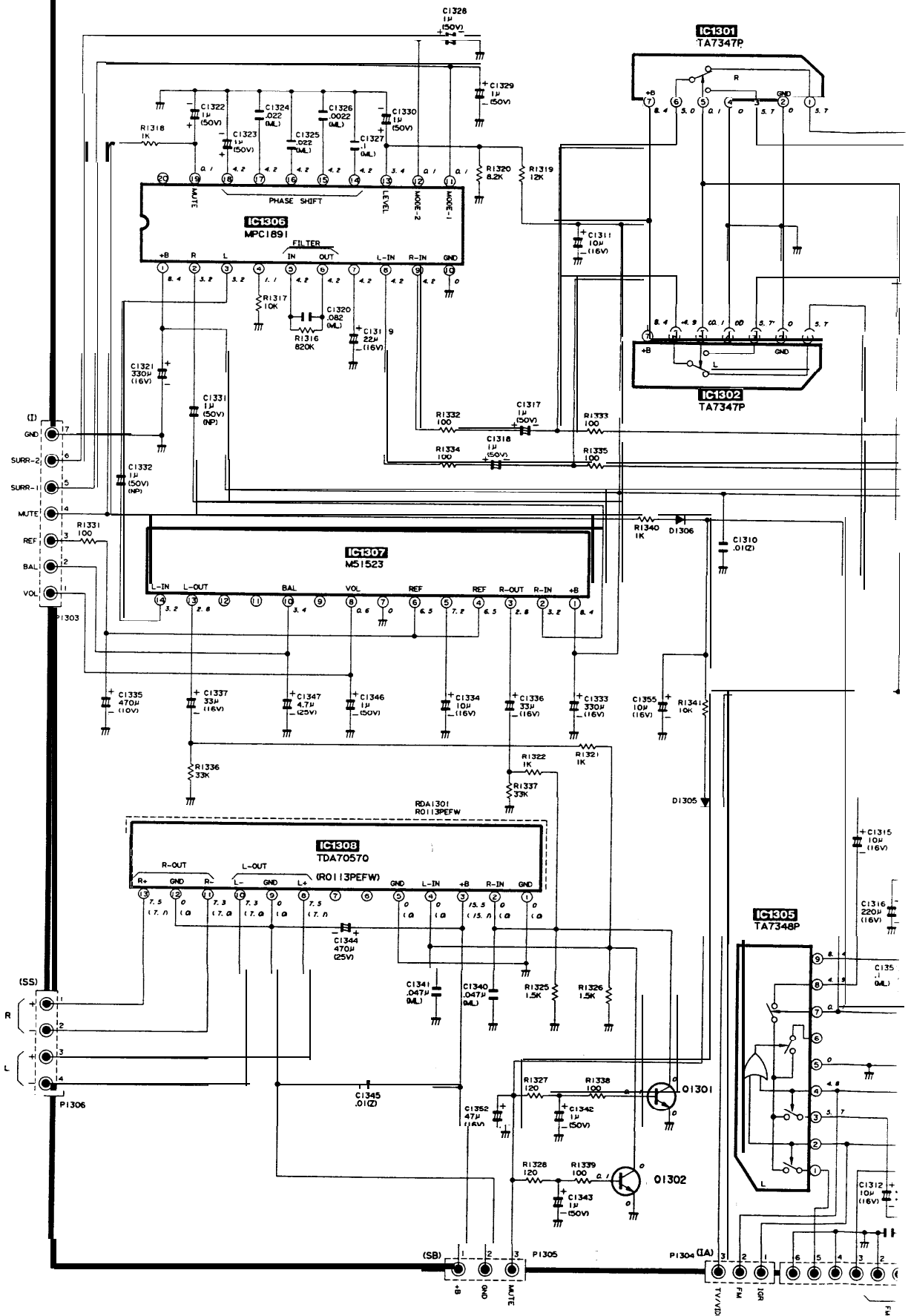
## WAVEFORM MEASUREMENT CONDITIONS:

1. The colour bar signal applied to the TP401 is 2.0Vp-p.
2. The tuner AGC voltage is approximately 4V.





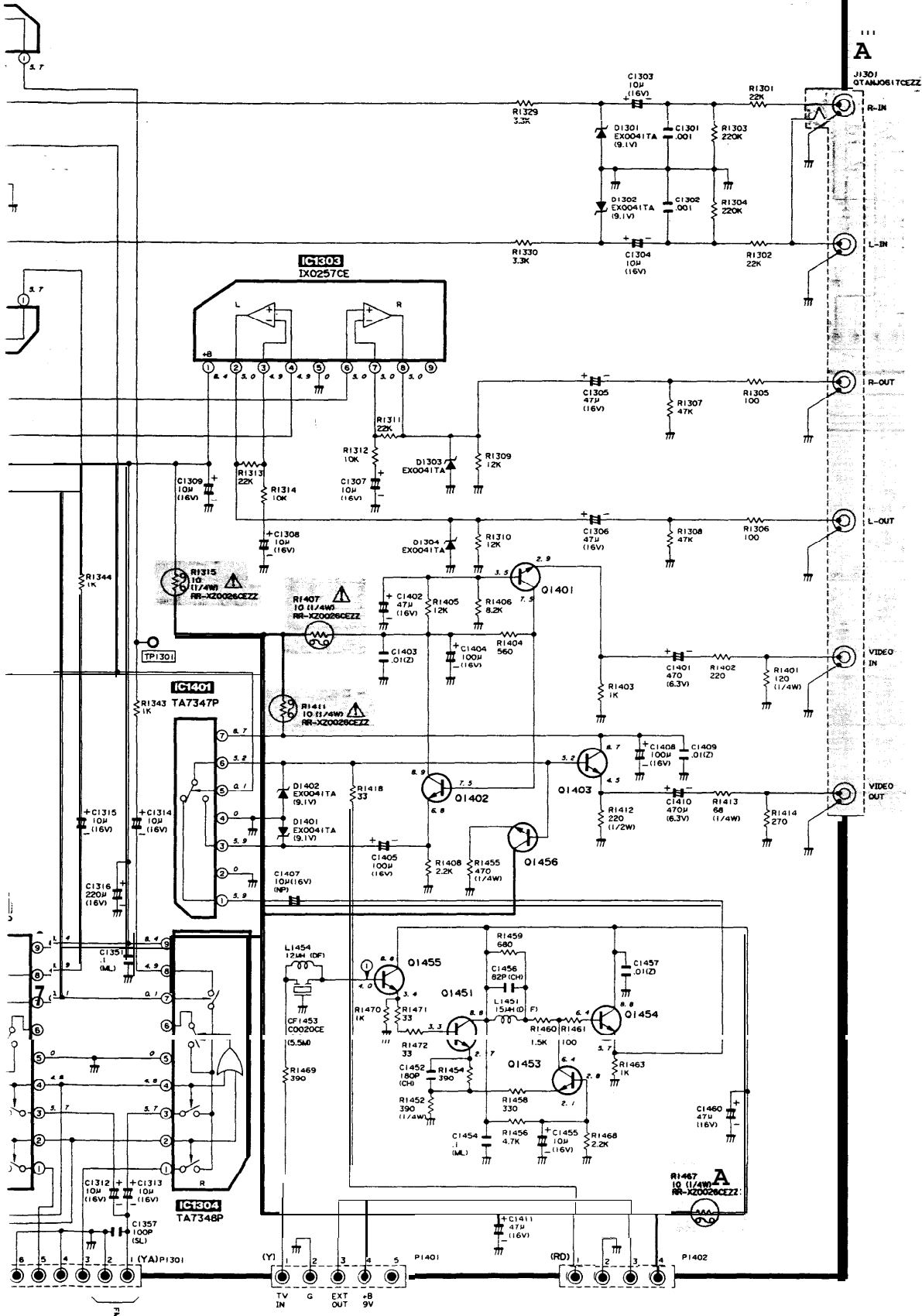
# SCHEMATIC DIAGRAM: ■ AV Unit



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

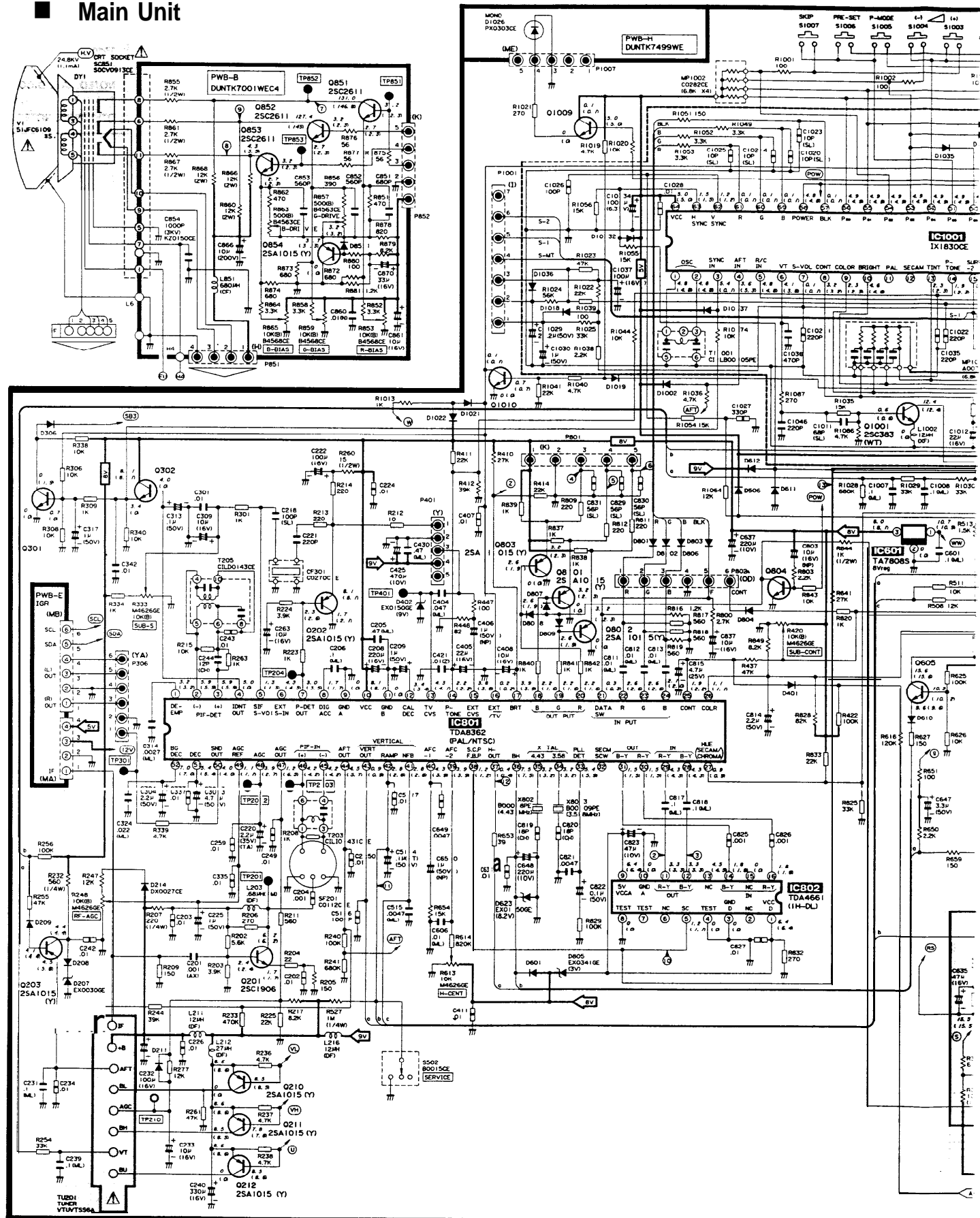
**NOTE:**

ALL TRANSISTORS ARE 25C945 OR 25C1815(GW) UNLESS OTHERWISE NOTED. ALL DIODES ARE 1SS119, UNLESS OTHERWISE NOTED.



## SCHEMATIC DIAGRAM:

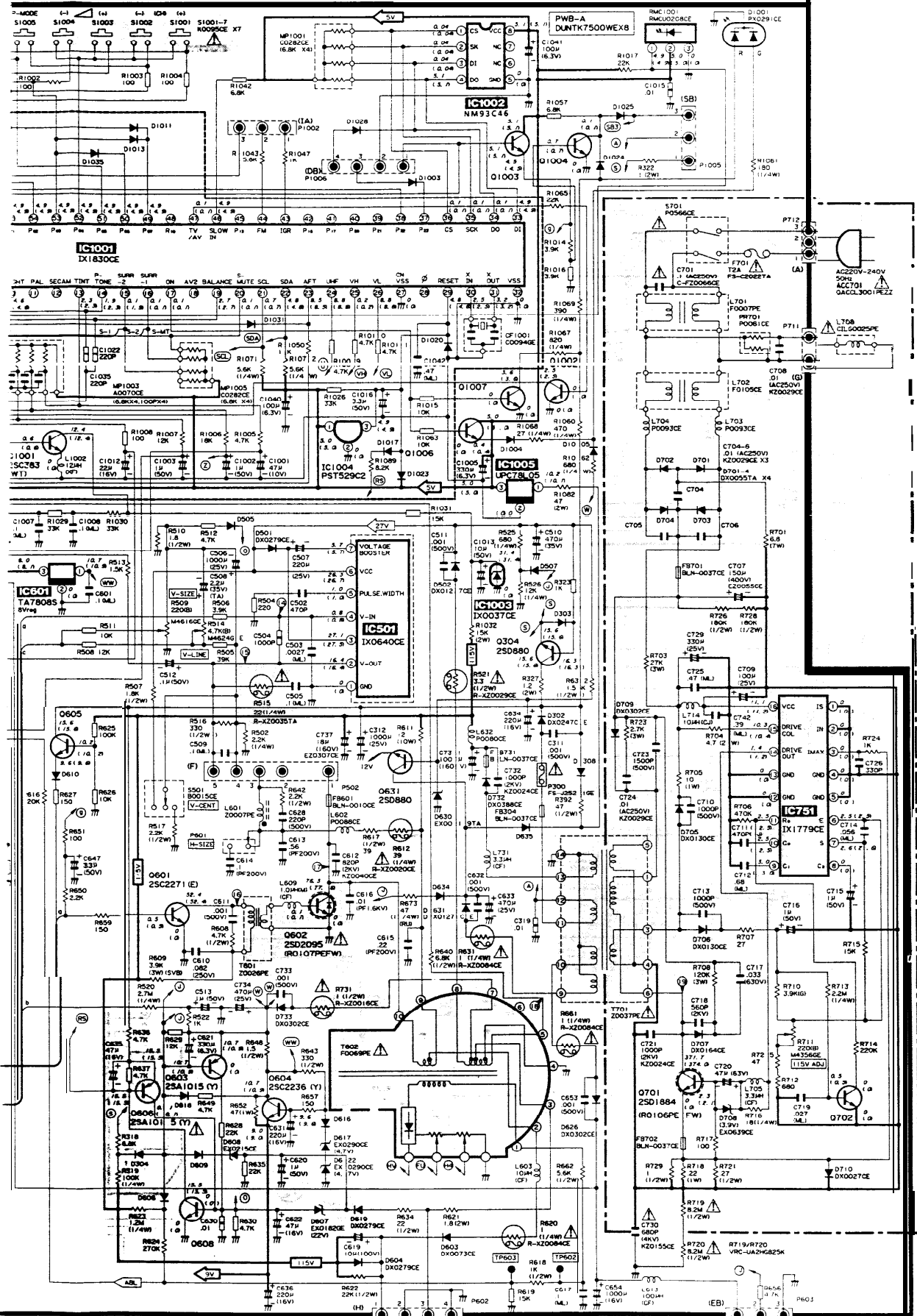
## Main Unit



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

NOTE:  
ALL TRANSISTORS ARE  
2SC945 OR 2SC1815(GW)  
UNLESS OTHERWISE  
NOTED. ALL DIODES ARE  
1SS119, UNLESS  
OTHERWISE NOTED.

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.

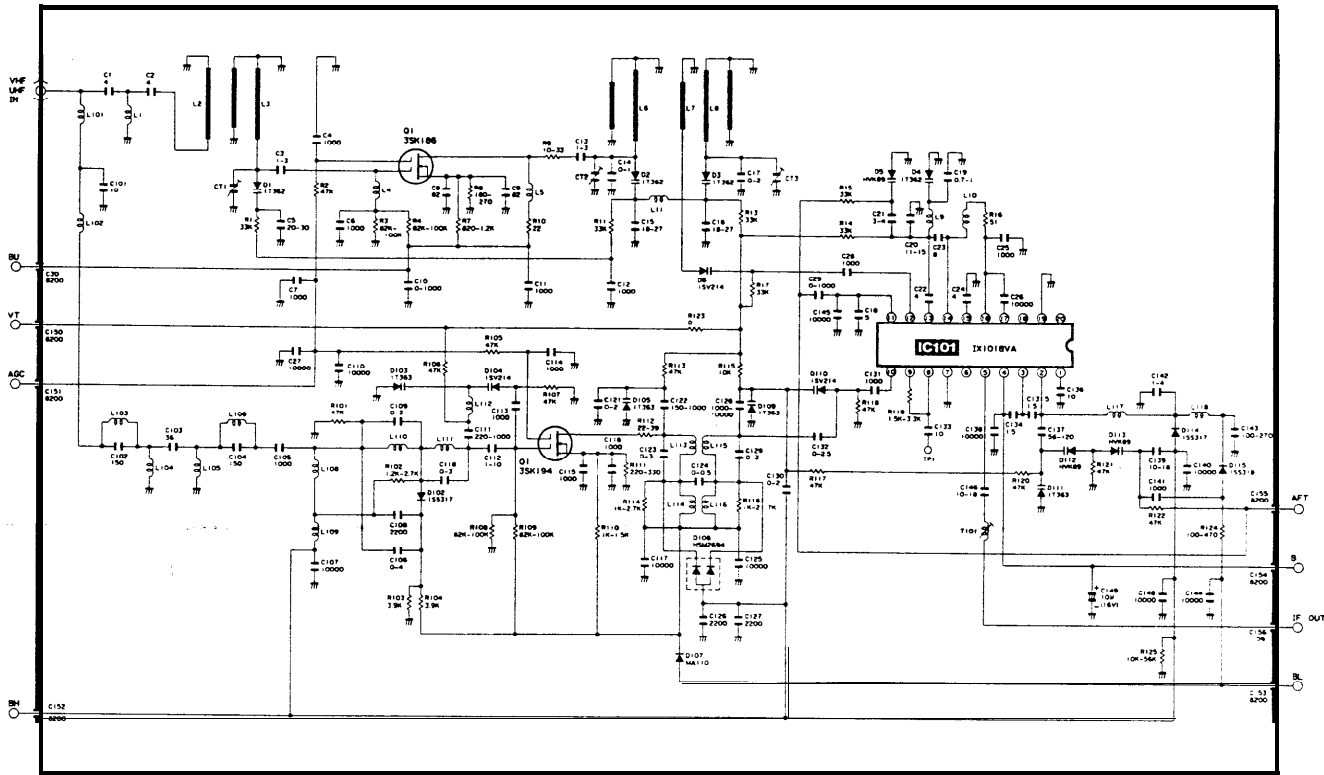




Tuner

NOTE: The parts here shown are supplied as an assembly but not independently.

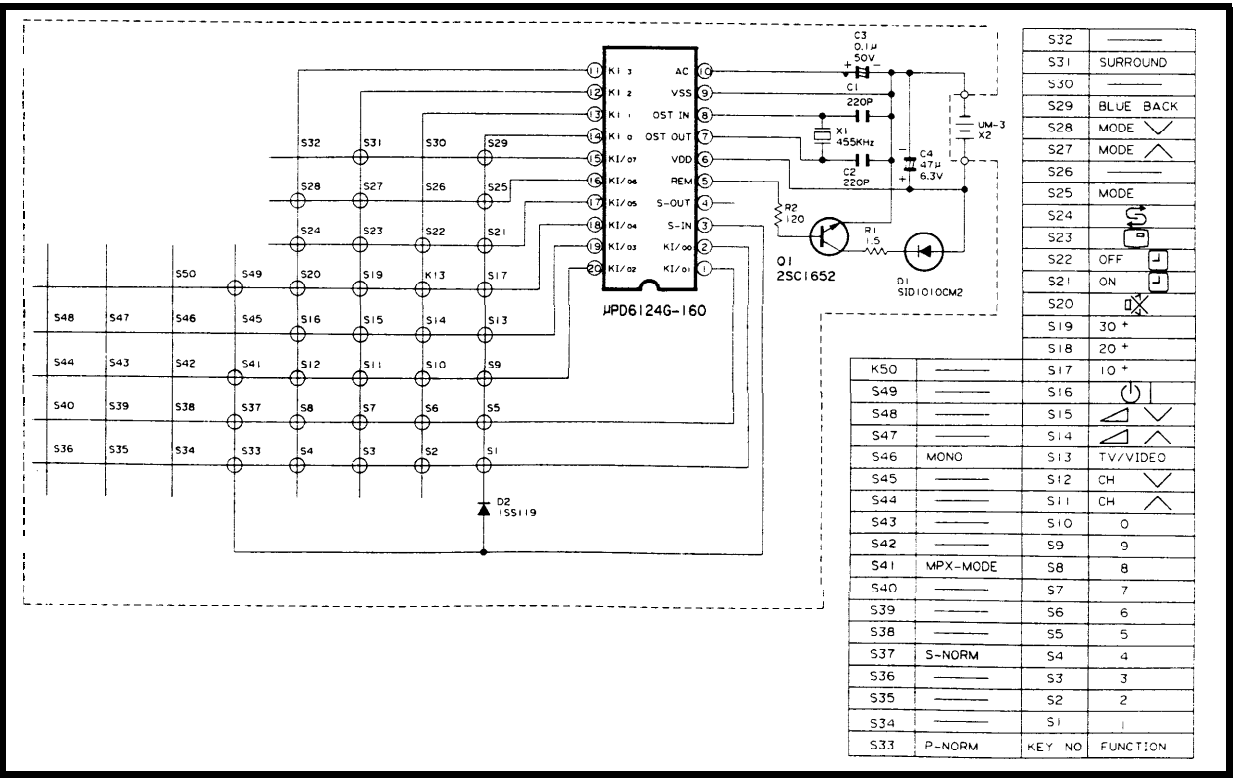
VTUVTS56A////



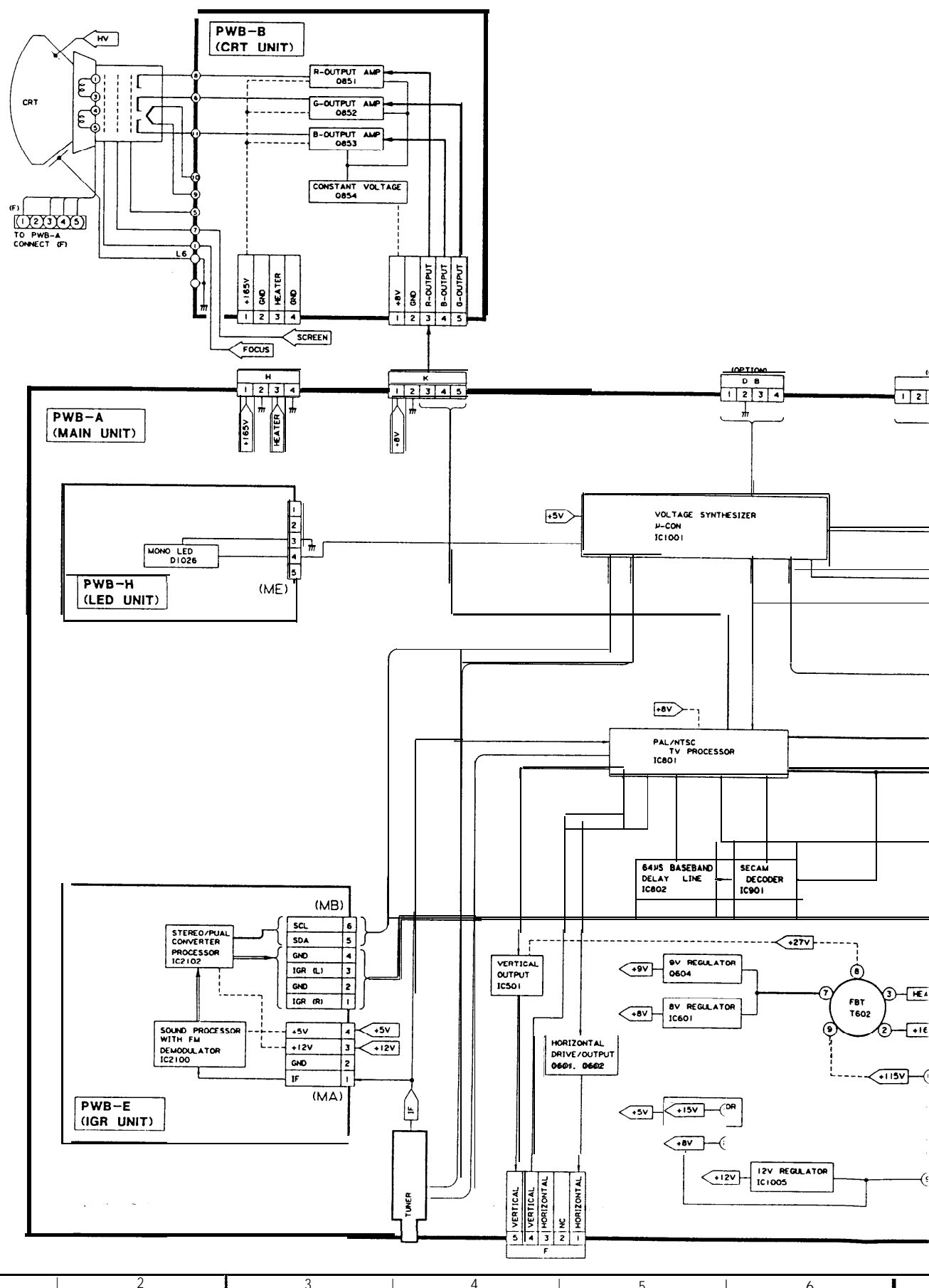
Infrared Remote Control Unit

NOTE: The parts here shown are supplied as an assembly but not independently.

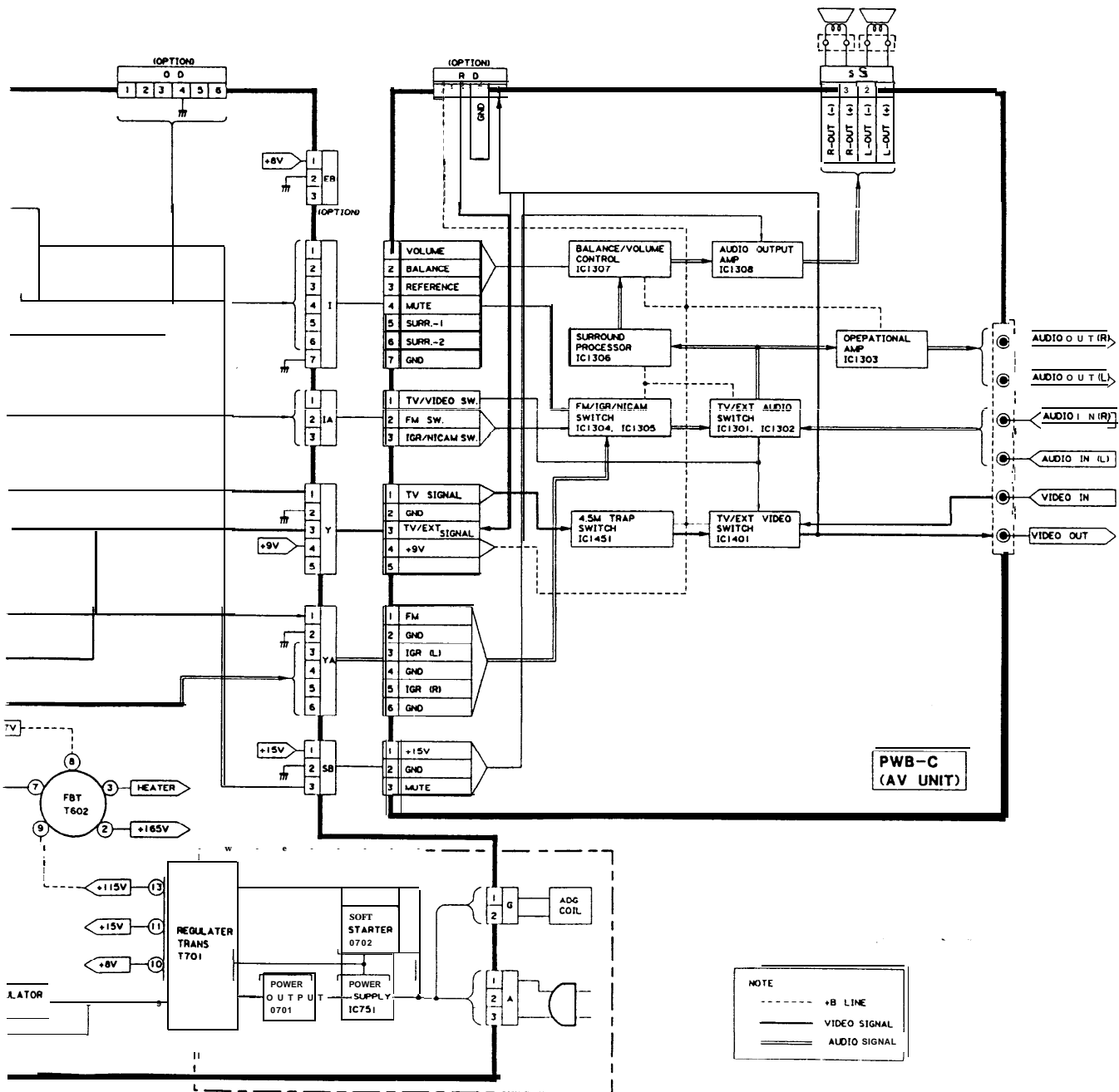
RRMCG0924PESA



## BLOCK DIAGRAM



NOTE: The PWB-F DUNTK7189WEV2W7 is discussed in the Model AN-224TX Service Manual.





# PARTS LIST

## PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "▲" 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 |

MARK ★: SPARE PARTS-DELIVERY SECTION.

Ref. No.	Part No.	★	Description	Code
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## PICTURE TUBE

▲ VB1	VB51 JFC6109* S R	CRT Ass'y, 21" (51 cm)	CK	
		(with DY, Purity Magnet and Wedges)		
▲ L708	RCILG0025PEZZ R	Degaussing (ADG) Coil	A W	
	LHLDC0001 PEZZ R	ADG Coil Holder,	AC	
		x 4 used		
	MSPRT0001 PEFJ R	CRT Spring	AC	

## PRINTED WIRING BOARD ASSEMBLIES ( NOT REPLACEMENT ITEM )

PWB-A DUNTK7500WEX8 -	Mother Unit	—
	(with PWB-E and H)	
PWB-B DUNTK700 1 WEC4 -	CRT Socket Unit	—
PWB-C DUNTK7493WEW7 -	AV Unit	—
PWB-E DUNTK7491 WEV4 -	IGR Unit	—
PWB-F DUNTK7189WEW7 -	TELETEXT Unit	—
	The PWB-F is discussed in the Model AN-224TX Service Manual.	
PWB-H DUNTK7499WEV2 -	LED Unit	—

Ref. No.	Part No.	★	Description	Code
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## PWB-A DUNTK7500WEX8 MOTHER UNIT

### TUNER

**NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.**

▲ TU201	VTUVTSS6A//// J	Tuner, VHF/UHF	BL
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### INTEGRATED CIRCUITS

IC501 R	HIX0640CEZZ J	Vertical Output	AK
IC601	VHITA7808S/-1 J	8V Regulator	AD
▲ IC751	RH-iX1779CEZZ J	Power Supply	AR
IC801	VHITDA8362/2E J	PAUNTSC TV Processor	BA
IC802	VHITDA4661/-1 J	64μs Baseband DL	AS
IC1001	RH-iX1830CEZZ J	Voltage Synthesizer	AY
IC1002	VHINM93C46/-1 J		AC
IC1003	RH-iX0037CEZZ J	Zener IC	AF
IC1004	VH IPST529C2-1 J		AD
IC1005	VHIUPC78L05-4 J	5V Regulator	AD

### TRANSISTORS

Q201	VS2SC1906//1E J	2SC1906	AC
Q202	VS2SA1015Y/1E J	2SA1015(Y)	AC
4203	VS2SA1015Y/1E J	2SA1015(Y)	AC
Q210	VS2SA1015Y/1E J	2SA1015(Y)	AC
Q211	VS2SA1015Y/1E J	2SA1015(Y)	AC
Q212	VS2SA1015Y/1E J	2SA1015(Y)	AC
Q301	VS2SC945AP/-1 J	2SC945A(P)	AB
Q302	VS2SC945AP/-1 J	2SC945A(P)	AB
4304	VS2SD880-G/-1 J	2SD880	AF
4601	VS2SC2271E/-1 J	2SC2271(E)	AD
▲ Q602	VS2SD2095//1E J	2SD2095	AN
▲ Q603	VS2SA1015Y/1E J	2SA1015(Y)	AC
Q604	VS2SC2236Y/-1 J	2SC2236(Y)	AD
Q605	VS2SC945AP/-1 J	2SC945A(P)	AB
▲ Q606	VS2SA1015Y/1E J	2SA1015(Y)	AC
▲ Q608	VS2SC945AP/-1 J	2SC945A(P)	AB
Q631	VS2SD880-G/-1 J	2SD880	AF
a Q701	VS2SD1884//1E J	2SD1884	AP
▲ Q702	VS2SC945AP/-1 J	2SC945A(P)	AB
Q801	VS2SA1015Y/1E J	2SA1015(Y)	AC
Q802	VS2SA1015Y/1E J	2SA1015(Y)	AC
Q803	VS2SA1015Y/1E J	2SA1015(Y)	AC
Q804	VS2SC945AP/-1 J	2SC945A(P)	AB
Q1001	VS2SC383-WT-1 J	2SC383(WT)	AE
41002	VS2SC945AP/-1 J	2SC945A(P)	AB
41003	VS2SC945AP/-1 J	2SC945A(P)	AB
41004	VS2SC945AP/-1 J	2SC945A(P)	AB
41006	VS2SC945AP/-1 J	2SC945A(P)	AB
41007	VS2SC945AP/-1 J	2SC945A(P)	AB
Q1009	VS2SC945AP/-1 J	2SC945A(P)	AB
Q1010	VS2SC945AP/-1 J	2SC945A(P)	AB

Ref. No.	Part No.	★	Description	Code
<b>PWB-A DUNTK7500WEX8 MOTHER UNIT (Continued)</b>				
<b>DIODES</b>				
D207	RH-EX0030GEZZ	J	ZenerDiode	A0
D208	VHD1SS119//1E	J	1SS119	AA
D209	VHD1SS119//1E	J	1SS119	AA
D211	VHD1SS119//1E	J	1SS119	AA
D214	RH-DX0027CEZZ	J		AE
D302	RH-DX0247CEZZ	J		AE
D303	VHD1SS119//1E	J	1SS119	AA
⚠ D304	VHD1SS119//1E	J	1SS119	AA
D306	VHD1SS119//1E	J	1SS119	AA
D308	VHD1SS119//1E	J	1SS119	AA
D401	VHD1SS119//1E	J	1SS119	AA
D402	RH-EX0150GEZZ	J	ZenerDiode	AA
D501	RH-DX0279CEZZ	J		A0
D502	RH-DX0127CEZZ	J		AC
D505	VHD1SS119//1E	J	1SS119	AA
D506	VHD1SS119//1E	J	1SS119	AA
D507	VHD1SS119//1E	J	1SS119	AA
D601	VHD1SS119//1E	J	1SS119	AA
D603	RH-DX0073CEZZ	J		AD
D604	RH-DX0279CEZZ	J		A0
⚠ D606	VHD1SS119//1E	J	1SS119	AA
⚠ D607	RH-EX0182GEZZ	J	ZenerDiode	A0
⚠ D608	RH-EX0215CEZZ	J	ZenerDiode	A0
⚠ D609	VHD1SS119//1E	J	1SS119	AA
D610	VHD1SS119//1E	J	1SS119	AA
D611	VHD1SS119//1E	J	1SS119	AA
D612	VHD1SS119//1E	J	1SS119	AA
D616	VHD1SS119//1E	J	1SS119	AA
D617	RH-EX0290CEZZ	J	Zener Diode, 4.7V	AA
⚠ D618	VHD1SS119//1E	J	1SS119	AA
⚠ D619	RH-DX0279CEZZ	J		A0
0622	RH-EX0290CEZZ	J	Zener Diode, 4.7V	AA
D623	RH-EX0150GEZZ	J	ZenerDiode	AA
D626	RH-DX0302CEZZ	J		AC
D630	RH-EX0019TAZZ	J	Zener Diode	A0
D631	RH-DX0127CEZZ	J		AC
D634	VHD1SS119//1E	J	1SS119	AA
D635	VHD1SS119//1E	J	1SS119	AA
AD701	RH-DX00SSTAZZ	J		AD
AD702	RH-DX00SSTAZZ	J		AD
⚠ D703	RH-DX00SSTAZZ	J		AD
⚠ D704	RH-DX00SSTAZZ	J		AD
AD705	RH-DX0130CEZZ	J		AE
AD706	RH-DX0130CEZZ	J		AE
AD707	RH-DX0164CEZZ	J		AC
⚠ D708	RH-EX0639CEZZ	J	ZenerDiode	A0
⚠ D709	RH-DX0302CEZZ	J		AC
⚠ D710	RH-DX0027CEZZ	J		AE
D732	RH-DX0388CEZZ	J		AE
D733	RH-DX0302CEZZ	J		AC
D801	VHD1SS119//1E	J	1SS119	AA

Ref. No.	Part No.	★	Description	Code
<b>DIODES (Continued)</b>				
D802	VHD1SS119//1E	J	1SS119	AA
D803	VHD1SS119//1E	J	1SS119	AA
D804	VHD1SS119//1E	J	1SS119	AA
D805	RH-EX0341 GEZZ	J	ZenerDiode	AA
D806	VHD1SS119//1E	J	1SS119	AA
D807	VHD1SS119//1E	J	1SS119	AA
D808	VHD1SS119//1E	J	1SS119	AA
D809	VHD1SS119//1E	J	1SS119	AA
D1001	RH-PX0291CEZZ	J	LED, Red/Green	AC
D1002	VHD1SS119//1E	J	1SS119	AA
D1003	VHD1SS119//1E	J	1SS119	AA
D1004	VHD1SS119//1E	J	1SS119	AA
D1005	VHD1SS119//1E	J	1SS119	AA
D1011	VHD1SS119//1E	J	1SS119	AA
D1013	VHD1SS119//1E	J	1SS119	AA
D1017	VHD1SS119//1E	J	1SS119	AA
D1018	VHD1SS119//1E	J	1SS119	AA
D1019	VHD1SS119//1E	J	1SS119	AA
D1020	VHD1SS119//1E	J	1SS119	AA
D1021	VHD1SS119//1E	J	1SS119	AA
D1022	VHD1SS119//1E	J	1SS119	AA
D1023	VHD1SS119//1E	J	1SS119	AA
D1024	VHD1SS119//1E	J	1SS119	AA
01025	VHD1SS119//1E	J	1SS119	AA
D1028	VHD1SS119//1E	J	1SS119	AA
D1031	VHD1SS119//1E	J	1SS119	AA
D1032	VHD1SS119//1E	J	1SS119	AA
D1035	VHD1SS119//1E	J	1SS119	AA
D1036	VHD1SS119//1E	J	1SS119	AA
D1037	VHD1SS119//1E	J	1SS119	AA

**PACKAGED CIRCUITS**

MP1001	RMPTC0282CEZZ	J	Resistor 6.8k × 4	AC
MP1002	RMPTC0282CEZZ	J	Resistor 6.8k × 4	AC
MP1003	RMPTA0070CEZZ	J	Resistor 6.8k × 4, Capacitor 100p × 4	AE
MP1005	RMPTC0282CEZZ	J	Resistor 6.8k × 4	AC
⚠ PR701	RMPTP0061 CEZZ	J	Positive Coefficient Thermistor	AV
X802	RCRSB0008PEZZ	R	Crystal, 4.43MHz	AH
X803	RCRSB0009PEZZ	R	Crystal, 3.58MHz	AL

**COILS AND TRANSFORMERS**

CF301	RFiLC0270CEZZ	J	Ceramic Filter	
CF1001	RFiLC0094GEZZ	J	Ceramic Filter	AC
L203	VP-DFR68M0000	J	Coil, 0.68μH	A0
L211	VP-DF120K0000	J	Coil, 12μH	A8
L212	VP-DF270K0000	J	Coil, 27μH	A0
L216	VP-DF120K0000	J	Coil, 12μH	A0

Ref. No.	Part No.	★	Description	Code
<b>PWB-A DUNTK7500WEX8 MOTHER UNIT (Continued)</b>				
<b>COILS AND TRANSFORMERS (Continued)</b>				
L601	RCiLZ0007PEZZ	R	Coil	AK
L602	RCiLP0088CEZZ	J	Coil	AC
L603	VP-CF 1 OOKOOOO	J	Coil, 10 $\mu$ H	A0
L609	VP-CF1 ROM0000	J	Coil, 1 $\mu$ H	A0
L613	VP-CF101 KOOOO	J	Coil, 100 $\mu$ H	A0
L632	RCiLP0080CEZZ	J	Coil	AF
△ L701	RCiLF0007PEZZ	R	Coil, Line Filter	AL
△ L702	RCiLF0105CEZZ	J	Coil, Line Filter	AP
△ L703	RCiLP0093CEZZ	J	Coil	AE
△ L704	RCiLP0093CEZZ	J	Coil	AE
△ L705	VP-CF3R3K0000	J	Coil, 3.3 $\mu$ H	A0
△ L714	VP-CJ 1 OOKOOOO	J	Coil, 10 $\mu$ H	A0
L731	VP-CF3R3K0000	J	Coil, 3.3 $\mu$ H	A0
L1002	VP-XF1 20K0000	J	Coil, 12 $\mu$ H	A0
SF201	RFiLC011 2CEZZ	J	Surface Acoustic Wave Filter	AK
T203	RCiLi0431CEZZ	J	S.A.W. Matching Trans.	AD
T205	RCiLD0143CEZZ	J	PIF Detector Coil	AF
△ T601	RTRNZ0026PEZZ	R	Horizontal Drive Trans.	AH
△ T602	RTRNF0069PEZZ	R	Flyback Trans. (F.B.T.)	BF
			W/ Focus, Screen Controls	
△ T701	RTRNZ0037PEZZ	R	Power Regulator Trans.	AY
T1001	RCiLB0005PEZZ	R	SignPositionAdj.Coil	AF
<b>CONTROLS</b>				
R248	RVR-M4626GEZZ	J	10k(B) RF-AGC	A0
R333	RVR-M4626GEZZ	J	10k(B) Sub-Sound	A0
R420	RVR-M4626GEZZ	J	10k(B) Sub-Contrast	A0
R509	RVR-M4616GEZZ	J	220(B) Vertical Size	A0
R514	RVR-M4624GEZZ	J	4.7k(B) Vertical Line	AB
R613	RVR-M4626GEZZ	J	10k(B) Horiz.Center	AB
△ R711	RVR-M4356GEZZ	J	220(B) 115V Adj.	A0
<b>CAPACITORS</b>				
C201	VCKYD41HB102K	J	1000p50V Ceramic	AA
C202	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
C203	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
C204	VCKYMN1HB102K	J	1000p50V Ceramic	AA
C205	VCFYHAI HA474J	J	0.47 50V M-Polyester	AD
C206	VCFYHAI HA104J	J	0.1 50V M. Polyester	A0
C208	VCEAGA1CW227M	J	220 16V Electrolytic	AC
C209	VCEAGAIHWIOSM	J	1 50V Electrolytic	AC
C218	VCCSPA1HL101J	J	100p 50V Ceramic	AA
C220	VCSATA1VE225K	J	2.2 35V Tantalum	AC
C221	VCKYPA1HB221K	J	220p 50V Ceramic	AA
C222	VCEAGA1CW107M	J	100 16V Electrolytic	A0
C224	VCKYMN1CY103N	J	0.01 16V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
<b>CAPACITORS (Continued)</b>				
C225	VCEAGAIHWIOSM	J	1 50V Electrolytic	AC
C226	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
C231	VCFYHAI HA104J	J	0.1 50V M. Polyester	A0
C232	VCEAGA1CW107M	J	100 16V Electrolytic	A0
C233	VCEAGA1CW106M	J	10 16V Electrolytic	AA
C234	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
c239	VCFYHAI HA104J	J	0.1 50V M. Polyester	AB
C240	VCEAGA1CW337M	J	330 16V Electrolytic	AC
C242	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
C243	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
c244	VCCCPA1 HH 120J	J	12p 50V Ceramic	AA
c249	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
C250	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
c259	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
C263	VCEAGA1CW106M	J	10 16V Electrolytic	AA
C301	VCKYD41CY103N	J	0.01 16V Ceramic	AA
C303	VCEAGAI HW475M	J	4.7 50V Electrolytic	A0
C304	VCEAGAI HW225M	J	2.2 50V Electrolytic	AB
C309	VCEAGA1CW106M	J	10 16V Electrolytic	AA
c311	VCKYPA2HB102K	J	1000p500V Ceramic	AA
C312	VCEAGAI EW108M	J	1000 25V Electrolytic	AD
c313	VCEAGAI HW104M	J	0.1 50V Electrolytic	AA
c314	VCQYSH 1 HM272K	J	2700p50V Mylar	AA
C317	VCEAGAIHWIOSM	J	1 50V Electrolytic	AC
c319	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
C324	VCQYSH1HM223K	J	0.022 50V Mylar	A0
c335	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
c337	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
C342	VCKYD41CY103N	J	0.01 16V Ceramic	AA
C404	VCFYHAI HA473J	J	0.047 50V M. Polyester	AB
C405	VCEAGA1CW226M	J	2.2 16V Electrolytic	A0
C406	VCE9GA1HW105M	J	1 50V Elect. (N.P)	AB
C407	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
C408	VCEAGA1CW106M	J	10 16V Electrolytic	AA
c411	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
C421	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C425	VCEAGA1AW477M	J	470 10V Electrolytic	AC
C430	VCFYHAI HA474J	J	0.47 50V M. Polyester	AD
C502	VCKYPA1 HB471 K	J	470p 50V Ceramic	AA
C503	VCQYSH1HM272K	J	2700p50V Mylar	AA
C504	VCKYMN1HB102K	J	1000p50V Ceramic	AA
C505	VCFYHAI HA104J	J	0.1 50V M. Polyester	A0
C506	VCEAGAI EW108M	J	1000 25V Electrolytic	AD
C507	VCEAGA1EW227M	J	220 25V Electrolytic	AC
C508	VCSATA1VE225K	J	2.2 35V Tantalum	AC
C509	VCFYHAI HA104J	J	0.1 50V M. Polyester	A0
C510	VCEAGA1VW477M	J	470 35V Electrolytic	AD
C511	VCKYPA2HB102K	J	1000p500V Ceramic	AA
C512	VCEAGAI HW104M	J	0.1 50V Electrolytic	AA
C513	VCEAGAIHWIOSM	J	1 50V Electrolytic	AC
c514	VCEAGA1HW104T	J	0.1 50V Electrolytic	AB
C515	VCQYSH 1 HM472K	J	4700p50V Mylar	AA
C516	VCKYMN1HB101K	J	100p 50V Ceramic	AA
C517	VCKYMN1CY103N	J	0.01 16V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
<b>PWB-A DUNTK7500WEX8</b>				
<b>MOTHER UNIT (Continued)</b>				
<b>CAPACITORS (Continued)</b>				
C601	VCFYHAI HA104J	J 0.1	50V M. Polyester	A0
C606	VCQYSH1HM103K	J 0.01	50V Mylar	AA
C610	VCFYSB2EB823J	J 0.082	250V M. Polyester	AD
C611	VCKYPA2HB102K	J	1000p500V Ceramic	A A
C612	RC-KZ0040CEZZ	J	820p 2kV Ceramic	AD
C613	VCFPD2DB564J	J 0.56	200V M. Polyester	AF
C614	VCQPSC2DA104J	J 0.1	200V Polypro Film	AC
C615	VCQPSD2DA224J	J 0.22	200V Polypro Film	AD
C616	VCFPD3CA103J	J 0.01	1.6kV M. Polyester	AF
C617	VCFYHAI HA104J	J 0.1	50V M. Polyester	A0
C619	VCEAGA2AW106M	J 10	1 OOV Electrolytic	AC
△ C620	VCEAGA1HW105M	J 1	50V Electrolytic	AC
△ C621	VCEAGA0JW337M	J 330	6.3V Electrolytic	A0
△ C622	VCEAGA1CW476M	J 47	16V Electrolytic	A0
C628	VCKYPA2HB221K	J	220p 500V Ceramic	A A
△ C630	VCKYMN1CY103N	J 0.01	16V Ceramic	AA
C631	VCEAGA1CW227M	J 220	16V Electrolytic	AC
C632	VCKYPA2HB102K	J	1000p500V Ceramic	A A
C633	VCEAGA1EW477M	J 470	25V Electrolytic	AD
C634	VCEAGA1CW227M	J 220	16V Electrolytic	AA
△ C635	VCEAGA1CW476M	J 47	16V Electrolytic	AB
C636	VCEAGA1CW227M	J 220	16V Electrolytic	AA
C637	VCEAGA1AW227M	J 220	10V Electrolytic	AA
C638	VCKYMN1CY103N	J 0.01	16V Ceramic	AA
C647	VCEAGAI HW335M	J 3.3	50V Electrolytic	A0
C648	VCEAGA1AW227M	J 220	10V Electrolytic	A0
C649	VCKYMN1CX472M	J	4700p16V Ceramic	AA
C650	VCE9GA1HW105M	J 1	50V Elect.(N.P)	A0
C653	VCKYPA2HB102K	J	1000p500V Ceramic	A A
C654	VCEAGA1CW108M	J 1000	16V Electrolytic	AD
△ C701	RC-FZ0066CEZZ	J 0.1	AC250V Special	AE
△ C704	RC-KZ0029CEZZ	J 0.01	AC250V Ceramic	AC
△ C705	RC-KZ0029CEZZ	J 0.01	AC250V Ceramic	AC
△ C706	RC-KZ0029CEZZ	J 0.01	AC250V Ceramic	AC
△ C707	RC-EZ0055CEZZ	J 150	400V Electrolytic	AN
△ C708	RC-KZ0029CEZZ	J 0.01	AC250V Ceramic	AC
a C709	VCEAGA1EW107M	J 100	25V Electrolytic	AD
△ C710	VCKYPA2HB102K	J	1000p500V Ceramic	A A
△ C711	RC-QZA471TAYJ	J	470p Mylar	AB
△ C712	VCFYHAI HA684J	J 0.68	50V M. Polyester	AD
△ C713	VCKYPA2HB102K	J	1000p500V Ceramic	A A
△ c714	VCFYHAI HA563J	J 0.056	50V M. Polyester	A0
△ C715	VCEAGAIHWIOSM	J 1	50V Electrolytic	AC
△ C716	VCEAGAIHWIOSM	J 1	50V Electrolytic	AC
△ c717	VCQPSC2JA333K	J 0.033	630V Polypro Film	A0
AC718	VCKYPH3DB561K	J	560p 2kV Ceramic	AC
a c719	VCQYSH1HM273K	J 0.027	50V Mylar	A0
△ C720	VCEAGA1JW476M	J 47	63V Electrolytic	A0
△ C721	RC-KZ0024CEZZ	J	1000p2kV Ceramic	A C
△ C723	VCKYPA2HB152K	J	1500p500V Ceramic	A A
△ C724	RC-KZ0029CEZZ	J 0.01	AC250V Ceramic	AC

Ref. No.	Part No.	★	Description	Code
<b>CAPACITORS (Continued)</b>				
△ C725	VCFYHAI HA474J	J	0.47 50V M. Polyester	AD
△ C726	VCKYPA1HB331K	J	330p 50V Ceramic	AA
△ c729	VCEAGAI EW337M	J	330 25V Electrolytic	AC
△ C730	RC-KZ0155CEZZ	J	680p 4kV Ceramic	AE
c731	VCEAAH2CW107M	J	100 160V Electrolytic	AE
C732	RC-KZ0024CEZZ	J	1000p2kV Ceramic	AC
c733	VCKYPA2HB102K	J	1000p500V Ceramic	AA
c734	VCEAGA1EW477M	J	470 25V Electrolytic	AD
c737	RC-EZ0307CEZZ	J	18 160V Electrolytic	AG
△ C742	VCFYHAI HA394J	J	0.39 50V M. Polyester	AC
C803	VCE9GA1CW106M	J	10 16V Elect. (N.P)	A0
C811	VCQYSH1HM103K	J	0.01 50V Mylar	AA
C812	VCQYSH1HM103K	J	0.01 50V Mylar	AA
CB13	VCQYSH1HM103K	J	0.01 50V Mylar	AA
C814	VCEAGAI HW225M	J	2.2 50V Electrolytic	A0
C815	VCEAGAI EW475M	J	4.7 25V Electrolytic	AA
C817	VCFYHAI HA104J	J 0.1	50V M. Polyester	A0
C818	VCFYHAI HA104J	J 0.1	50V M. Polyester	A0
C819	VCCCMN1HH180J	J	18p 50V Ceramic	AA
C820	VCCCMN1HH180J	J	18p 50V Ceramic	AA
C821	VCKYPA1HB472K	J	4700p50V Ceramic	AA
C822	VCEAGAI HW104M	J	0.1 50V Electrolytic	AA
C823	VCEAGAI AW476M	J	47 10V Electrolytic	AA
C825	VCKYMN1HB102K	J	1000p50V Ceramic	AA
C826	VCKYMN1HB102K	J	1000p50V Ceramic	AA
C827	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
C829	VCCSMN1HL560J	J	56p 50V Ceramic	AA
C830	VCCSMN1HL560J	J	56p 50V Ceramic	AA
C831	VCCSMN1HL560J	J	56p 50V Ceramic	AA
C837	VCEAGA1CW106M	J	10 16V Electrolytic	AA
CI001	VCEAGA1AW476M	J	47 10V Electrolytic	AA
CI 002	VCEAGAIHWIOSM	J	1 50V Electrolytic	AC
CI 003	VCEAGAIHWIOSM	J	1 50V Electrolytic	AC
CI 005	VCEAGA0JW337M	J	330 6.3V Electrolytic	A0
CI 007	VCFYHAI HA104J	J	0.1 50V M. Polyester	AB
CI 008	VCFYHAI HA104J	J	0.1 50V M. Polyester	AB
C1011	VCCSPA1HL680J	J	68p 50V Ceramic	AA
CI012	VCEAGA1CW226M	J	22 16V Electrolytic	A0
CI013	VCEAGA1HW106M	J	10 50V Electrolytic	AC
CI015	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
CI016	VCEAGAI HW335M	J	3.3 50V Electrolytic	A0
CI 020	VCCSMNIHLIOOJ	J	1 Op 50V Ceramic	AA
CI021	VCKYMN1HB221K	J	220p 50V Ceramic	AA
CI 022	VCKYMN1HB221K	J	220p 50V Ceramic	AA
CI 023	VCCSMNIHLIOOJ	J	10p 50V Ceramic	AA
CI 024	VCCSMNIHLIOOJ	J	10p 50V Ceramic	AA
CI 025	VCCSMNIHLIOOJ	J	10p 50V Ceramic	AA
CI 026	VCKYMN1HB101K	J	100p 50V Ceramic	AA
CI 027	VCKYMN1HB331K	J	330p 50V Ceramic	AA
CI 028	VCKYMN1CY103N	J	0.01 16V Ceramic	AA
CI029	VCEAGA1HW225M	J	2.2 50V Electrolytic	A0
CI 030	VCEAGAIHWIOSM	J	1 50V Electrolytic	AC
CI 034	VCEAGA0JW107M	J	100 6.3V Electrolytic	A0
CI035	VCKYMN1HB221K	J	220p 50V Ceramic	A4

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	•	Description	Code
<b>PWB-A DUNTK7500WEX8 MOTHER UNIT (Continued)</b>					<b>RESISTORS (Continued)</b>				
<b>CAPACITORS (Continued)</b>					R322	VRN-VV3DBIROJ	J 1	2W Metal Film	AB
CI036	VCKYMN1HB471K	J	470p 50V Ceramic	AA	R323	VRD-MN2BE102J	J 1k 1/8W	Carbon	AA
CI037	VCEAGA1CW107M	J	100 16V Electrolytic	AB	R327	VRN-VV3DB1R2J	J 1 . 2	2W Metal Film	A A
CI040	VCEAGA0JW107M	J	100 6.3V Electrolytic	AB	R333	<i>See Controls</i>			
CI041	VCEAGA0JW107M	J	100 6.3V Electrolytic	AB	R334	VRD-MN2BE102J	J 1 k 1/8W	Carbon	AA
CI042	VCFYHA1HA474J	J	0.47 50V M-Polyester	AD	R338	VRD-MN2BE103J	J 10k 1/8W	Carbon	AA
CI046	VCKYPA1HB221K	J	220p 50V Ceramic	AA	R339	VRD-MN2BE472J	J 4.7k 1/8W	Carbon	AA
<b>RESISTORS</b>					R340	VRD-MN2BE103J	J 10k 1/8W	Carbon	AA
R202	VRD-MN2BE562J	J	5.6k 1/8W Carbon	AA	R392	VRD-RM2HD470J	J 4 7 1/2W	Carbon	AA
R203	VRD-MN2BE392J	J	3.9k 1/8W Carbon	AA	R410	VRD-RA2BE273J	J 27k 1/8W	Carbon	AA
R204	VRD-MN2BE220J	J	22 1/8W Carbon	AA	R411	VRD-MN2BE223J	J 22k 1/8W	Carbon	AA
R205	VRD-RA2BE151J	J	150 1/8W Carbon	AA	R412	VRD-RA2BE393J	J 39k 1/8W	Carbon	AA
R206	VRD-MN2BE271J	J	270 1/8W Carbon	AA	R414	VRD-MN2BE223J	J 22k 1/8W	Carbon	AA
R207	VRD-RA2EE221J	J	220 1/4W Carbon	AA	R420	<i>See Controls</i>			
R208	VRD-MN2BE1021	J	1k 1/8W Carbon	AA	R422	VRD-MN2BE104J	J 100k 1/8W	Carbon	AA
R209	VRD-MN2BE151	J	150 1/8W Carbon	AA	R437	VRD-RA2BE473J	J 47k 1/8W	Carbon	AA
R211	VRD-MN2BE561J	J	560 1/8W Carbon	AA	R447	VRD-RA2BE101J	J 100 1/8W	Carbon	AA
R212	VRD-MN2BE100J	J	10 1/8W Carbon	AA	R448	VRD-RA2BE820J	J 82 1/8W	Carbon	AA
R213	VRD-MN2BE221J	J	220 1/8W Carbon	AA	R502	VRD-RA2EE222J	J 2.2k 1/4W	Carbon	AA
R214	VRD-MN2BE221J	J	220 1/8W Carbon	AA	R504	VRD-MN2BE221J	J 220 1/8W	Carbon	AA
R215	VRD-MN2BE103J	J	10k 1/8W Carbon	AA	R505	VRD-MN2BE393J	J 39k 1/8W	Carbon	AA
R217	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA	R506	VRD-MN2BE392J	J 3.9k 1/8W	Carbon	AA
R223	VRD-MN2BE102J	J	1k 1/8W Carbon	AA	R507	VRD-RM2HD182J	J 1.8k 1/2W	Carbon	AA
R224	VRD-MN2BE392J	J	3.9k 1/8W Carbon	AA	R508	VRD-MN2BE123J	J 12k 1/8W	Carbon	AA
R225	VRD-MN2BE223J	J	22k 1/8W Carbon	AA	R509	<i>See Controls</i>			
R232	VRD-RA2EE561J	J	560 1/4W Carbon	AA	R510	VRD-RM2HD1R8J	J 1.8 1/2W	Carbon	AA
R233	VRD-MN2BE474J	J	470k 1/8W Carbon	AA	R511	VRD-MN2BE103J	J 10k 1/8W	Carbon	AA
R236	VRD-MN2BE472J	J	4.7k 1/8W Carbon	AA	R512	VRD-MN2BE472J	J 4.7k 1/8W	Carbon	AA
R237	VRD-MN2BE472J	J	4.7k 1/8W Carbon	AA	R513	VRD-RA2BE152J	J 1.5k 1/8W	Carbon	AA
R238	VRD-MN2BE472J	J	4.7k 1/8W Carbon	AA	R514	<i>See Controls</i>			
R240	VRD-MN2BE104J	J	100k 1/8W Carbon	AA	△ R515	RR-XZOO35TAZZ	J 22 1/4W Fuse Resistor	AB	
R241	VRD-MN2BE684J	J	680k 1/8W Carbon	AA	R516	VRD-RM2HD331J	J 330 1/2W	Carbon	AA
R244	VRD-MN2BE393J	J	39k 1/8W Carbon	AA	R517	VRD-RM2HD222J	J 2.2k 1/2W	Carbon	AA
R247	VRD-RA2BE123J	J	12k 1/8W Carbon	AA	R520	VRD-RA2EE275J	J 2.7M 1/4W	Carbon	AA
R248	<i>See Controls</i>				△ R521	RR-XZOO29CEZZ	J 3.3 1/2W Fuse Resistor	AB	
R254	VRD-MN2BE333J	J	33k 1/8W Carbon	AA	R522	VRD-RA2BE102J	J 1k 1/8W	Carbon	AA
R255	VRD-MN2BE473J	J	47k 1/8W Carbon	AA	R525	VRD-RA2EE681J	J 680 1/4W	Carbon	AA
R256	VRD-MN2BE104J	J	100k 1/8W Carbon	AA	R526	VRD-RA2EE123J	J 12k 1/4W	Carbon	AA
R260	VRD-RM2HD150J	J	15 1/2W Carbon	AA	R527	VRD-RA2EE105J	J 1M 1/4W	Carbon	AA
R261	VRD-MN2BE473J	J	47k 1/8W Carbon	AA	R608	VRD-RM2HD472J	J 4.7k 1/2W	Carbon	AA
R263	VRD-MN2BE102J	J	1k 1/8W Carbon	AA	R609	VRS-SV3LB392J	J 3.9k 3W Metal Oxide	AC	
R277	VRD-MN2BE123J	J	12k 1/8W Carbon	AA	R611	VRW-KV4AC120K	J 12 10W Cement	AD	
R301	VRD-MN2BE102J	J	1k 1/8W Carbon	AA	△ R612	RR-XZ0020CEZZ	J 39 1/4W Fuse Resistor	AB	
R306	VRD-MN2BE103J	J	10k 1/8W Carbon	AA	R613	<i>See Controls</i>			
R308	VRD-MN2BE103J	J	10k 1/8W Carbon	AA	R614	VRD-MN2BE824J	J 820k 1/8W	Carbon	AA
R309	VRD-MN2BE102J	J	1k 1/8W Carbon	AA	R616	VRD-RA2BE124J	J 120k 1/8W	Carbon	AA
△ R318	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	R617	VRD-RM2HD390J	J 39 1/2W	Carbon	AA
△ R319	VRD-RA2EE104J	J	100k 1/4W Carbon	AA	R618	VRS-PU2HB102J	J 1k 1/2W Metal Oxide	AA	
					R619	VRD-MN2BE153J	J 15k 1/8W	Carbon	AA
					△ R620	RR-XZ0084CEZZ	J 1 1/4W Fuse Resistor	AB	
					R621	VRN-VV3DB1R8J	J 1.8 2W Metal Film	AB	
					R622	VRD-RM2HD223J	J 22k 1/2W	Carbon	AA
					△ R623	VRD-RA2EE125J	J 1.2M 1/4W	Carbon	AA
					△ R624	VRD-RA2BE274J	J 270k 1/8W	Carbon	AA

Ref. No.	Part No.	★	Description	Code
<b>PWB-A DUNTK7500WEX8</b>				
<b>MOTHER UNIT (Continued)</b>				
<b>RESISTORS (Continued)</b>				
R625	VRD-MN2BE104J	J	100k 1/8W Carbon	AA
R626	VRD-MN2BE103J	J	10k 1/8W Carbon	AA
R627	VRD-MN2BE151J	J	150 1/8W Carbon	AA
△ R628	VRD-MN2BE223J	J	22k 1/8W Carbon	AA
△ R629	VRD-MN2BE123J	J	12k 1/8W Carbon	AA
△ R630	VRD-MN2BE472J	J	4.7k 1/8W Carbon	AA
△ R631	RR-XZ0084CEZZ	J	1 1/4W Fuse Resistor	AB
R632	VRD-RM2HD152J	J	1.5k 1/2W Carbon	AA
R634	VRD-RM2HD220J	J	22 1/2W Carbon	AA
△ R635	VRD-MN2BE223J	J	22k 1/8W Carbon (chip)	AA
△ R636	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
△ R637	VRD-MN2BE472J	J	4.7k 1/8W Carbon (chip)	AA
R640	VRD-RM2HD682J	J	6.8k 1/2W Carbon	AA
R641	VRD-RA2BE273J	J	27k 1/8W Carbon	AA
R642	VRD-RM2HD222J	J	2.2k 1/2W Carbon	AA
R643	VRD-RM2HD331J	J	330 1/2W Carbon	AA
△ R648	VRD-RM2HD1R5J	J	1.5 1/2W Carbon	AA
△ R649	VRD-MN2BE472J	J	4.7k 1/8W Carbon (chip)	AA
R650	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R651	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R652	VRS-VV3AB470J	J	47 1W Metal Oxide	AA
R653	VRD-MN2BE390J	J	39 1/8W Carbon (chip)	AA
R654	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R656	VRD-MN2BE472J	J	4.7k 1/8W Carbon (chip)	AA
R657	VRD-RA2BE151J	J	150 1/8W Carbon	AA
R659	VRD-RA2BE151J	J	150 1/8W Carbon	AA
△ R661	RR-XZ0084CEZZ	J	1 1/4W Fuse Resistor	AB
R662	VRD-RM2HD562J	J	5.6k 1/2W Carbon	AA
R673	VRD-RU2EE470J	J	47 1/4W Carbon	AA
△ R701	VRW-KV3NC6R8K	J	6.8 7W Cement	AC
△ R703	VRS-SV3LB273J	J	27k 3W Metal Oxide	AC
△ R704	VRN-VV3DB4R7J	J	4.7 2W Metal Film	AB
△ R705	VRS-VV3AB100J	J	100 1W Metal Oxide	AA
△ R706	VRD-RA2BE474J	J	470k 1/8W Carbon	AA
△ R707	VRD-RA2BE270J	J	27 1/8W Carbon	AA
AR708	VRS-SV3LB124J	J	120k 3W Metal Oxide	AC
△ R710	VRD-RA2BE392G	J	3.9k 1/8W Carbon	AA
△ R711	See Controls			
△ R712	VRD-RA2BE681J	J	680 1/8W Carbon	AA
△ R713	VRD-RA2EE225J	J	2.2M 1/4W Carbon	AA
△ R714	VRD-RA2BE224J	J	220k 1/8W Carbon	AA
△ R715	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
△ R716	VRD-RA2EE180J	J	18 1/4W Carbon	AA
△ R717	VRD-RA2BE101J	J	100 1/8W Carbon	AA
△ R718	VRN-VV3ABR22J	J	0.22 1W Metal Film	AA
△ R719	VRC-UA2HG825K	J	8.2M 1/2W Solid	AA
△ R720	VRC-UA2HG825K	J	8.2M 1/2W Solid	AA
△ R721	VRN-SV2HCR27J	J	0.27 1/2W Metal Film	AA
△ R723	VRS-SV3LB272J	J	2.7k 3W Metal Oxide	AD
△ R724	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
△ R725	VRD-RA2BE470J	J	47 1/8W Carbon	AA

Ref. No.	Part No.	★	Description	Code
<b>RESISTORS (Continued)</b>				
△ R726	VRD-RM2HD184J	J	180k 1/2W Carbon	AA
△ R728	VRD-RM2HD184J	J	180k 1/2W Carbon	AA
△ R729	VRD-RM2HD1R0J	J	1 1/2W Carbon	AA
△ R731	RR-XZ0016CEZZ	J	1 1/2W Fuse Resistor	AB
R800	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R803	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R809	VRD-MN2BE221J	J	220 1/8W Carbon	AA
R811	VRD-MN2BE221J	J	220 1/8W Carbon	AA
R812	VRD-MN2BE221J	J	220 1/8W Carbon	AA
R816	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
R817	VRD-MN2BE561J	J	560 1/8W Carbon	AA
R818	VRD-MN2BE561J	J	560 1/8W Carbon	AA
R819	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R820	VRD-MN2BE102J	J	1k 1/8W Carbon	AA
R825	VRD-MN2BE333J	J	33k 1/8W Carbon	AA
R828	VRD-RA2BE823J	J	82k 1/8W Carbon	AA
R829	VRD-MN2BE104J	J	100k 1/8W Carbon	AA
R832	VRD-MN2BE271J	J	270 1/8W Carbon	AA
R833	VRD-MN2BE223J	J	22k 1/8W Carbon	AA
R837	VRD-MN2BE102J	J	1k 1/8W Carbon	AA
R838	VRD-MN2BE102J	J	1k 1/8W Carbon	AA
R839	VRD-MN2BE102J	J	1k 1/8W Carbon	AA
R840	VRD-MN2BE102J	J	1k 1/8W Carbon	AA
R841	VRD-MN2BE102J	J	1k 1/8W Carbon	AA
R842	VRD-MN2BE102J	J	1k 1/8W Carbon	AA
R843	VRD-MN2BE103J	J	10k 1/8W Carbon	AA
R844	VRD-RM2HD102J	J	10k 1/2W Carbon	AA
R849	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
R1001	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1002	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1003	VRD-MN2BE101J	J	100 1/8W Carbon	AA
R1004	VRD-MN2BE101J	J	100 1/8W Carbon	AA
R1005	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1006	VRD-RA2BE183J	J	18k 1/8W Carbon	AA
R1007	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1008	VRD-MN2BE101J	J	100 1/8W Carbon	AA
R1009	VRD-MN2BE472J	J	4.7k 1/8W Carbon	AA
R1010	VRD-MN2BE472J	J	4.7k 1/8W Carbon	AA
R1011	VRD-MN2BE472J	J	4.7k 1/8W Carbon	AA
R1013	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1014	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R1015	VRD-MN2BE103J	J	10k 1/8W Carbon	AA
R1016	VRD-MN2BE392J	J	3.9k 1/8W Carbon	AA
R1017	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R1019	VRD-MN2BE472J	J	4.7k 1/8W Carbon	AA
R1020	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1021	VRD-MN2BE271J	J	270 1/8W Carbon	AA
R1022	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R1023	VRD-MN2BE473J	J	47k 1/8W Carbon	AA
R1024	VRD-RA2BE563J	J	56k 1/8W Carbon	AA
R1025	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R1026	VRD-MN2BE333J	J	33k 1/8W Carbon	AA
R1028	VRD-MN2BE684J	J	680k 1/8W Carbon	AA
R1029	VRD-MN2BE333J	J	33k 1/8W Carbon	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
<b>PWB-A DUNTK7500WEX8</b>					<b>SWITCHES</b>				
<b>MOTHER UNIT (Continued)</b>					S501	QSW-BOO 15CEZZ	J	Vertical Center Adj.	AC
<b>RESISTORS (Continued)</b>					S502	QSW-BOOI5CEZZ	J	Service Switch	AC
R1030	VRD-RA2BE333J	J	33k 1/8W Carbon	AA	⚠5701	QSW-P0566CEZZ	J	Power	AL
R1031	VRD-MN2BE153J	J	15k 1/8W Carbon	AA	⚠51001	QSW-K0095CEZZ	J	Channel (+)	AB
R1032	VRS-VV3DB153J	J	15k 2W Metal Oxide	AA	⚠51002	QSW-K0095CEZZ	J	Channel (-)	AB
R1035	VRD-MN2BE153J	J	15k 1/8W Carbon	AA	⚠51003	QSW-K0095CEZZ	J	Volume(+)	AB
R1036	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA	⚠\$1004	QSW-K0095CEZZ	J	Volume(-)	AB
R1038	VRD-MN2BE222J	J	2.2k 1/8W Carbon	AA	⚠S1005	QSW-K0095CEZZ	J	P-Mode	AB
R1039	VRD-MN2BE101J	J	100 1/8W Carbon	AA	⚠S1006	QSW-K0095CEZZ	J	Pre-Set	AB
R1040	VRD-MN2BE472J	J	4.7k 1/8W Carbon	AA	⚠51007	QSW-K0095CEZZ	J	Skip	AB
R1041	VRD-MN2BE223J	J	22k 1/8W Carbon	AA	<b>MISCELLANEOUS PARTS</b>				
R1042	VRD-MN2BE682J	J	6.8k 1/8W Carbon	AA	CN601	QCNW-0430PEZZ	R	Connecting Cord, (Horizontal Size Adj.)	AC
R1043	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA	FB304	RBLN-0037CEZZ	J	Ferrite Bead	AB
R1044	VRD-RA2BE103J	J	10k 1/8W Carbon	AA	FB601	RBLN-00 1 OCEZZ	J	Ferrite Bead	AC
R1047	VRD-RA2BE102J	J	1k 1/8W Carbon	AA	⚠FB701	RBLN-0037CEZZ	J	Ferrite Bead	AB
R1049	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA	⚠FB702	RBLN-0037CEZZ	J	Ferrite Bead	AB
R1050	VRD-RA2BE102J	J	1k 1/8W Carbon	AA	FB73 1	RBLN-0037CEZZ	J	Ferrite Bead	AB
R1051	VRD-RA2BE151J	J	150 1/8W Carbon	AA	⚠FH701	QFSHD1009CEZZ	J	Fuse Holder	AA
R1052	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA	⚠FH702	QFSHD1010CEZZ	J	Fuse Holder	AA
R1053	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA	⚠F701	QFS-C2022TAZZ	J	Fuse, T2A	AE
R1054	VRD-MN2BE153J	J	15k 1/8W Carbon	AA	⚠P300	QFS-J2521 GEZZ	J	IC Protector	AE
R1055	VRD-RA2BE153J	J	15k 1/8W Carbon	AA	P306	QPLGN0661CEZZ	J	Plug 6-pin, (YA)	AD
R1056	VRD-MN2BE153J	J	15k 1/8W Carbon	AA	P401	QPLGN0561 CEZZ	J	Plug 5-pin, (Y)	AB
R1057	VRD-MN2BE682J	J	6.8k 1/8W Carbon	AA	P502	QPLGN0505CEZZ	J	Plug 5-pin, (F)	AB
R1060	VRD-RA2EE471J	J	470 1/4W Carbon	AA	P601	QPLGN0207CEZZ	J	Plug 2-pin, Horiz. Size	AA
R1061	VRD-RA2EE181J	J	180 1/4W Carbon	AA	P602	QPLGN0461CEZZ	J	Plug 4-pin, (H)	AB
R1062	VRD-RA2EE681J	J	680 1/4W Carbon	AA	P603	QPLGN0361 CEZZ	J	Plug 3-pin, (EB)	AB
R1063	VRD-MN2BE103J	J	10k 1/8W Carbon	AA	⚠P711	QPLGN0207CEZZ	J	Plug 2-pin, (G)	AA
R1064	VRD-MN2BE123J	J	12k 1/8W Carbon	AA	⚠P712	QPLGN0304CEZZ	J	Plug 3-pin, (A)	AB
R1065	VRD-RA2BE223J	J	22k 1/8W Carbon	AA	P801	QPLGN0561 CEZZ	J	Plug 5-pin, (K)	AB
R1067	VRD-RA2EE82 1 J	J	820 1/4W Carbon	AA	P802	QPLGN0661CEZZ	J	Plug 6-pin, (OD)	AD
R1068	VRD-RA2EE270J	J	270 1/4W Carbon	AA	P1001	QPLGN0761CEZZ	J	Plug 7-pin, (I)	AD
R1069	VRD-RA2EE391J	J	390 1/4W Carbon	AA	P1002	QPLGN0361 CEZZ	J	Plug 3-pin, (IA)	AB
R1071	VRD-RA2EE562J	J	5.6k 1/4W Carbon	AA	P1005	QPLGN0361CEZZ	J	Plug 3-pin, (SB)	AB
R1072	VRD-RA2EE562J	J	5.6k 1/4W Carbon	AA	P1006	QPLGN0461CEZZ	J	Plug 4-pin, (DB)	AB
R1074	VRD-RA2BE103J	J	10k 1/8W Carbon	AA	P1007	QPLGN0579GEZZ	J	Plug 5-pin, (ME)	AB
R1082	VRS-VV3DB470J	J	470 2W Metal Oxide	AA	RMC1001	RRMCU0208CEZZ	J	Remote Control Receiver	AK
R1086	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA	LHLDP1145CE00	J	LED Holder	AC	
R1087	VRD-RA2BE271J	J	270 1/8W Carbon	AA					
R1089	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA					

— End of PWB-A —

Ref. No.	Part No.	★	Description	Code
<b>PWB-B DUNTK7001 WEC4 CRT SOCKET UNIT</b>				
<b>TRANSISTORS</b>				
Q851	VS2SC2611/-1 E J		2SC2611	AE
Q852	VS2SC2611/-1 E J		2SC2611	AE
Q853	VS2SC2611/-1 E J		2SC2611	AE
Q854	VS2SA101 5Y/1 E J		2SA1015(Y)	AC
<b>DIODE</b>				
D851	VHD1SS119//1 E J		1SS119	AA
<b>COIL</b>				
L851	VP-CF681 KOOOO J		680μH	AB
<b>CONTROLS</b>				
R853	RVR-B4568CEZZ J		10k(B) Red Bias	AC
R857	RVR-B4563CEZZ J		500(B) Green Drive	AC
R859	RVR-B4568CEZZ J		10k(B) Green Bias	AC
R863	RVR-B4563CEZZ J		500(B) Blue Drive	AC
R865	RVR-B4568CEZZ J		10k(B) Blue Bias	AC
<b>CAPACITORS</b>				
C851	VCKYD41 HB681KJ		680p 50V Ceramic	AA
C852	VCKYD41HB561KJ		560p 50V Ceramic	AA
C853	VCKYD41HB561KJ		560p 50V Ceramic	AA
C854	RC-KZO 150CEZZ J		1000p3kV Ceramic	AB
C860	VCKYD41CY103N J		0.01 16V Ceramic	AA
C861	VCEAGA1CW106M J		1 0 16V Electrolytic	AA
C866	VCEAGA2DW106M J		1 0 200V Electrolytic	AC
C870	VCEAGA1CW336M J		3 3 16V Electrolytic	AB
<b>RESISTORS</b>				
R851	VRD-RA2BE471 J J		470 1/8W Carbon	AA
R852	VRD-RA2BE332 J J		3.3k 1/8W Carbon	AA
R853	See Controls			
R855	VRD-RM2HD272 J J		2.7k 1/2W Carbon	AA
R856	VRD-RA2BE391 J J		390 1/8W Carbon	AA
R857	See Controls			
R858	VRD-RA2BE332 J J		3.3k 1/8W Carbon	AA
R859	See Controls			
R860	VRS-VV3DB123 J J		1 2 k 2W Metal Oxide	AA
R861	VRD-RM2HD272 J J		2.7k 1/2W Carbon	AA
R862	VRD-RA2BE471 J J		470 1/8W Carbon	AA

Ref. No.	Part No.	★	Description	Code
<b>RESISTORS (Continued)</b>				
R863	See Controls			
R864	VRD-RA2BE332 J J		3.3k 1/8W Carbon	AA
R865	See Controls			
R866	VRS-VV3DB123 J J		12k 2W Metal Oxide	AA
R867	VRD-RM2HD272 J J		2.7k 1/2W Carbon	AA
R868	VRS-VV3DB123 J J		12k 2W Metal Oxide	AA
R872	VRD-RA2BE681 J J		680 1/8W Carbon	AA
R873	VRD-RA2BE681 J J		680 1/8W Carbon	AA
R874	VRD-RA2BE681 J J		680 1/8W Carbon	AA
R875	VRD-RA2BE560 J J		5 6 1/8W Carbon	AA
R876	VRD-RA2BE560 J J		5 6 1/8W Carbon	AA
R877	VRD-RA2BE560 J J		5 6 1/8W Carbon	AA
R878	VRD-RA2BE821 J J		820 1/8W Carbon	AA
R879	VRD-RA2BE822 J J		8.2k 1/8W Carbon	AA
R880	VRD-RA2BE101 J J		100 1/8W Carbon	AA
R881	VRD-RA2BE122 J J		1.2k 1/8W Carbon	AA
<b>MISCELLANEOUS PARTS</b>				
CN851	QCNW-1466PEZZ R		Connecting Cord	AE
CN852	QCNW-1405PEZZ R		Connecting Cord	AF
P851	QPLGN0461 CEZZ J		Plug 4-pin, (H)	AB
P852	QPLGN0561 CEZZ J		Plug 5-pin, (K)	AB
⚠ SC851	QSOCV0913CEZZ J		CRT Socket	AK

— End of PWB-B —



Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	•	Description	Code
<b>PWB-C DUNTK7493WEW7</b>					<b>CAPACITORS (Continued)</b>				
<b>AV UNIT</b>					CI306	VCEAGAI	CW476M	J 47 16V Electrolytic	AB
<b>INTEGRATED CIRCUITS</b>					CI307	VCEAGA1CW106M	J 10 16V Electrolytic	AA	
IC1301	VHiTA7347P/-1	1	TV/EXT Audio Switch	A C	CI308	VCEAGA1CW106M	J 10 16V Electrolytic	AA	
K1302	VHiTA7347P/-1	J	TV/EXT Audio Switch	A C	CI309	VCEAGA1CW106M	J 10 16V Electrolytic	AA	
IC1303	RH-IX0257CEZZ	J	Operational Amp.	AF	CI310	VCKYPAI	HF103Z	J 0.01 50V Ceramic	AA
IC1304	VHiTA7348P/-1	J	FM/IGR/NICAM Switch	AK	CI311	VCEAGA1CW106M	J 10 16V Electrolytic	AA	
IC1305	VHiTA7348P/-1	J	FM/IGR/NICAM Switch	AK	CI312	VCEAGA1CW106M	J 10 16V Electrolytic	AB	
IC1306	VHiMPC1891Y-1	J	Surround Processor	A P	CI313	VCEAGA1CW106M	J 10 16V Electrolytic	AA	
IC1307	VHiM51523AL-1	J	Balance/Volume Control	AH	CI314	VCEAGA1CW106M	J 10 16V Electrolytic	AA	
IC1308	VHiTDA7057Q-1	J	Audio Output Amp.	AV	CI315	VCEAGA1CW106M	J 10 16V Electrolytic	AA	
IC1401	VHiTA7347P/-1	J	TV/EXT Audio Switch	AC	CI316	VCEAGAI	CW227M	J 220 16V Electrolytic	AC
<b>TRANSISTORS</b>					CI317	VCEAGA1HW105M	J 1 50V Electrolytic	AA	
41301	VS2SC945AP/-1	J	2SC945A(P)	AB	CI318	VCEAGA1HW105M	J 1 50V Electrolytic	AA	
Q1302	VS2SC945AP/-1	J	2SC945A(P)	AB	CI319	VCEAGA1CW226M	J 22 16V Electrolytic	AB	
41401	VS2SC945AP/-1	J	2SC945A(P)	AB	C1320	VCFYHA1HA823J	J 0.082 50V M. Polyester	AA	
Q1402	VS2SC945AP/-1	J	2SC945A(P)	AB	CI321	VCEAGA1CW337M	J 330 16V Electrolytic	AC	
41403	VS2SC945AP/-1	J	2SC945A(P)	AB	CI322	VCEAGAIHWIOSM	J 1 50V Electrolytic	AC	
41451	VS2SC945AP/-1	J	2SC945A(P)	AB	CI323	VCEAGA1HW105M	J 1 50V Electrolytic	AC	
41453	VS2SC945AP/-1	J	2SC945A(P)	AB	CI324	VCFYHAI	HA223J	J 0.022 50V M. Polyester	AB
41454	VS2SC945AP/-1	J	2SC945A(P)	AB	CI325	VCFYHAI	HA223J	J 0.022 50V M. Polyester	AB
41455	VS2SC945AP/-1	J	2SC945A(P)	AB	CI326	VCQYSH1HM222K	J 2200p50V Mylar	AA	
Q1456	VS2SC1815GW-1	J	2SC1815(GW)	AB	CI327	VCFYHA1HA104J	J 0.1 50V M. Polyester	AB	
<b>DIODES</b>					CI328	VCEAGA1HW105M	J 1 50V Electrolytic	AC	
D1301	RH-EX0041 TAZZ	J	ZenerDiode	AC	CI329	VCEAGAIHWIOSM	J 1 50V Electrolytic	AC	
D1302	RH-EX0041 TAZZ	J	ZenerDiode	AC	CI330	VCEAGA1HW105M	J 1 50V Electrolytic	AC	
D1303	RH-EX0041 TAZZ	J	ZenerDiode	AC	CI331	VCE9GA1HW105M	J 1 50V Elect. (N.P)	AB	
D1304	RH-EX0041 TAZZ	J	ZenerDiode	AC	CI332	VCE9GA1HW105M	J 1 50V Elect. (N.P)	AB	
D1305	VHD15S119//1E	J	15S119	AA	CI333	VCEAGA1CW337M	J 330 16V Electrolytic	AC	
D1306	VHD15S119//1E	J	15S119	AA	CI334	VCEAGA1CW106M	J 10 16V Electrolytic	AA	
D1401	RH-EX0041 TAZZ	J	ZenerDiode	AC	CI335	VCEAGAI	AW477M	J 470 10V Electrolytic	AC
01402	RH-EX0041 TAZZ	J	ZenerDiode	AC	CI336	VCEAGA1CW336M	J 33 16V Electrolytic	AB	
<b>COILS</b>					CI337	VCEAGA1CW336M	J 33 16V Electrolytic	AB	
CF1453	RFILC0020CEZZ	J	Ceramic Filter, 5.5MHz	AE	CI340	VCFYHAI	HA473J	J 0.047 50V M. Polyester	AB
L1451	VP-DF150K0000	J	Coil, 15μH	AB	CI341	VCFYHAI	HA473J	J 0.047 50V M. Polyester	AB
L1454	VP-DF120K0000	J	Coil, 12μH	AB	CI342	VCEAGAIHWIOSM	J 1 50V Electrolytic	AC	
<b>CAPACITORS</b>					CI343	VCEAGA1HW105M	J 1 50V Electrolytic	AC	
CI301	VCKYPAI	HB102KJ	1000p50V Ceramic	AA	CI344	VCEAGAI	EW477M	J 470 25V Electrolytic	AD
CI302	VCKYPAI	HB102KJ	1000p50V Ceramic	AA	CI345	VCKYPAI	HF103Z	J 0.01 50V Ceramic	AA
CI303	VCEAGA1CW106M	J 10 16V Electrolytic	AA		CI346	VCEAGAIHWIOSM	J 1 50V Electrolytic	AC	
CI304	VCEAGA1CW106M	J 10 16V Electrolytic	AA		CI347	VCEAGA1EW475M	J 4.7 25V Electrolytic	AA	
CI305	VCEAGAI	CW476M	J 47 16V Electrolytic	AB	CI351	VCFYHAI	HA104J	J 0.1 50V M. Polyester	AB
					CI352	VCEAGA1CW476M	J 47 16V Electrolytic	AB	
					CI355	VCEAGA1CW106M	J 10 16V Electrolytic	AA	
					CI357	VCKYD41HB101K	J 100p 50V Ceramic	AA	
					CI401	VCEAGA0JW477M	J 470 6.3V Electrolytic	AB	
					CI402	VCEAGA1CW476M	J 47 16V Electrolytic	AB	
					CI403	VCKYPAI	HF103Z	J 0.01 50V Ceramic	AA
					CI404	VCEAGA1CW107M	J 100 16V Electrolytic	AB	
					CI405	VCEAGA1CW107M	J 100 16V Electrolytic	AB	
					CI407	VCE9GA1CW106M	J 10 16V Elect. (N.P)	AB	
					CI408	VCEAGA1CW107M	J 100 16V Electrolytic	AB	
					C1409	VCKYPAI	HF103Z	J 0.01 50V Ceramic	AA
					C1410	VCEAGA0JW477M	J 470 6.3V Electrolytic	AB	
					CI411	VCEAGA1CW476M	J 47 16V Electrolytic	AB	

Ref. No.	Part No.	★	Description	Code
<b>PWB-C DUNTK7493WEW7 AV UNIT (Continued)</b>				
<b>CAPACITORS (Continued)</b>				
CI452	VCCCPA1	HH181 J J	180p 50V Ceramic	AA
CI454	VCFYHA1	HA104J J	0.1 50V M. Polyester	AB
CI455	VCEAGA1	CW106M J	10 16V Electrolytic	AA
CI456	VCCCPA1	HH820J J	82p 50V Ceramic	AA
CI457	VCKYPA1	HF103Z J	0.01 50V Ceramic	AA
CI460	VCEAGA1	CW476M J	47 16V Electrolytic	AB
<b>RESISTORS</b>				
R1301	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R1302	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R1303	VRD-RA2BE224J	J	220k 1/8W Carbon	AA
R1304	VRD-RA2BE224J	J	220k 1/8W Carbon	AA
R1305	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1306	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1307	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R1308	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R1309	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1310	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1311	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R1312	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1313	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R1314	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
AR1315	RR-XZOO26CEZZ	J	10 1/4W Fuse Resistor	AB
R1316	VRD-RA2BE824J	J	820k 1/8W Carbon	AA
R1317	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1318	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1319	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1320	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
R1321	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1322	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1325	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R1326	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R1327	VRD-RA2BE121J	J	120 1/8W Carbon	AA
R1328	VRD-RA2BE121J	J	120 1/8W Carbon	AA
R1329	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R1330	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R1331	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1332	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1333	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1334	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1335	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1336	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R1337	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R1338	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1339	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1340	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1341	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1343	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1344	VRD-RA2BE102J	J	1k 1/8W Carbon	AA

Ref. No.	Part No.	★	Description	Code
<b>RESISTORS (Continued)</b>				
R1401	VRD-RA2EE121J	J	120 1/4W Carbon	AA
R1402	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R1403	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1404	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R1405	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1406	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
AR1407	RR-XZOO26CEZZ	J	10 1/4W Fuse Resistor	AB
R1408	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
△R1411	RR-XZOO26CEZZ	J	10 1/4W Fuse Resistor	AB
R1412	VRD-RM2HD221J	J	220 1/2W Carbon	AA
R1413	VRD-RA2EE680J	J	68 1/4W Carbon	AA
R1414	VRD-RA2BE271J	J	270 1/8W Carbon	AA
R1418	VRD-RA2BE330J	J	33 1/8W Carbon	AA
R1452	VRD-RA2EE391J	J	390 1/4W Carbon	AA
R1454	VRD-RA2BE391J	J	390 1/8W Carbon	AA
R1455	VRD-RA2EE471J	J	470 1/4W Carbon	AA
R1456	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1458	VRD-RA2BE331J	J	330 1/8W Carbon	AA
R1459	VRD-RA2BE681J	J	680 1/8W Carbon	AA
R1460	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R1461	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1463	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
△R1467	RR-XZOO26CEZZ	J	10 1/4W Fuse Resistor	AB
R1468	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R1469	VRD-RA2BE391J	J	390 1/8W Carbon	AA
R1470	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1471	VRD-RA2BE330J	J	33 1/8W Carbon	AA
R1472	VRD-RA2BE330J	J	33 1/8W Carbon	AA

<b>MISCELLANEOUS PARTS</b>				
△J1301	QTANJ0617CEZZ	J	AV Terminal	AH
P1301	QPLGN0661CEZZ	J	Plug 6-pin, (YA)	AD
P1303	QPLGN0761CEZZ	J	Plug 7-pin, (I)	AD
P1304	QPLGN0361CEZZ	J	Plug 3-pin, (IA)	AB
P1305	QPLGN0361CEZZ	J	Plug 3-pin, (SB)	AB
P1306	QPLGN0461CEZZ	J	Plug 4-pin, (SS)	AB
P1401	QPLGN0561CEZZ	J	Plug 5-pin, (Y)	AB
P1402	QPLGN0461CEZZ	J	Plug 4-pin, (RD)	AB

— End of PWB-C —

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
<b>PWB-E DUNTK7491 WEV4 IGR UNIT</b>					<b>CAPACITORS (Continued)</b>				
<b>INTEGRATED CIRCUITS</b>					C2120	VCEAGA1HW224T	J	0.22 50V Electrolytic	AB
IC2100	V H I T D A 3 8 5 7 / - 1 J		SIF Detector	AR	C2121	VCKYD41CY103N	J	0.01 16V Ceramic	AA
IC2102	V H I T D A 8 4 1 5 / - 1 J		Sound Processor	AW	C2122	VCEAGA1CW107M	J	100 16V Electrolytic	AB
<b>TRANSISTOR</b>					C2123	VCEAGA1CW106M	J	10 16V Electrolytic	AA
42100	VS2SC1906//1E	J	2SC1906	AC	C2124	VCEAGA1CW106M	J	10 16V Electrolytic	AA
<b>PACKAGED CIRCUIT</b>					C2125	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
X2100	RCRSB0129GEZZ	J	Crystal, 10MHz Clock	AG	C2126	VCCCPAI HH 151 J J		150p 50V Ceramic	AA
<b>COIL AND TRANSFORMERS</b>					<b>RESISTORS</b>				
CF2100	RFILCO061CEZZ	J	5.5MHz Band Pass Filter	AF	R2100	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
CF2101	RFILCO219CEZZ	J	5.74MHz Band Pass Filter	AG	R2101	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA
L2100VP-DF1	OOKOOOO	J	Coil, 10μH	AB	R2102	VRD-RA2BE2R2J	J	2.2 1/8W Carbon	AA
L2101VP-DF1	OOKOOOO	J	Coil, 10μH	AB	R2103	VRD-RA2BE151J	J	150 1/8W Carbon	AA
L2103VP-DF1	OOKOOOO	J	Coil, 10μH	AB	R2104	VRD-RA2BE331J	J	330 1/8W Carbon	AA
L2104	VP-XF3R3K0000	J	Coil, 3.3μH	AB	R2106	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
SF2100	RFILCO207CEZZ	J	Surface Acoustic Wave Filter	AH	R2107	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
T2100	RCiLi0086GEZZ	J	5.74MHz Tank	AE	R2108	VRD-RA2BE471J	J	470 1/8W Carbon	AA
T2101	RCiLi0086GEZZ	J	5.5MHz Tank	AE	R2109	VRD-RA2BE471J	J	470 1/8W Carbon	AA
T2102	RCiLD0057GEZZ	J	38.9MHz Tank	AE	R2110	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
<b>CONTROLS</b>					R2111	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R2122	RVR-B5262CEZZ	J	2k(B) Separation	AB	R2112	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R2125	RVR-B5262CEZZ	J	2k(B) Audio Level	AB	R2122	See Controls			
<b>CAPACITORS</b>					R2123	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
C2100	VCCCPAI H H 101 J J		100p 50V Ceramic	AA	R2125	See Controls			
C2101	VCKYD41CY103N	J	0.01 16V Ceramic	AA	R2126	VRD-RA2BE471J	J	470 1/8W Carbon	AA
C2102	VCEAGA1CW106M	J	10 16V Electrolytic	AA	R2127	VRD-RA2BE331J	J	330 1/8W Carbon	AA
C2103	VCKYD41CY103N	J	0.01 16V Ceramic	AA	R2128	VRD-RA2BE331J	J	330 1/8W Carbon	AA
C2104	VCKYD41CY103N	J	0.01 16V Ceramic	AA	R2129	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
C2105	VCKYD41CY103N	J	0.01 16V Ceramic	AA	R2130	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
C2106	VCEAGA1HW105M	J	1 50V Electrolytic	AC	R2131	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
C2107	VCCSD41HL270J	J	27p 50V Ceramic	AA	R2133	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
C2109	VCEAGA1HW225M	J	2.2 50V Electrolytic	AB	R2135	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
C2110	VCEAGA1HW225M	J	2.2 50V Electrolytic	AB	R2136	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
C2112	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA	<b>MISCELLANEOUS PARTS</b>				
C2113	VCEAGA1CW476M	J	47 16V Electrolytic	AB	P2101	QPLGZ0407GEZZ	J	Plug 4-pin, (MA)	AB
C2118	VCEAGA1HW105M	J	1 50V Electrolytic	AC	P2102	QPLGZ0607GEZZ	J	Plug 6-pin, (MB)	AC
C2119	VCEAGA1HW105M	J	1 50V Electrolytic	AC	<b>— End of PWB-E —</b>				

Ref. No.	Part No.	★	Description	Code
<b>PWB-H DUNTK7499WEV2 LED UNIT</b>				

**DIODE**

01026	RH-PX0303	CEZZ J	LED, Mono Ind.	AB
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**MISCELLANEOUS PARTS**

SC1007	QSO	CN0579	GEZZ J	Socket 5-pin, (ME)	AC
	LHLD	P1015	PEK0 J	LED Holder	AD

— End of PWB-H —

**MISCELLANEOUS PARTS**

⚠ ACC701	QACCL3001	PEZZ R	AC Cord	AQ
SP1	VSP1004PB17WA	J	Speaker, 10×4.5cm, 16Ω	AT
SP2	VSP1004PB17WA	J	Speaker, 10×4.5cm, 16Ω	AT
	LHLDW0001	PEK0 R	AC Cord Holder	AD

— End of MISCELLANEOUS PARTS —

Ref. No.	Part No.	★	Description	Code
<b>SUPPLIED ACCESSORIES</b>				

**ACCESSORIES**

RRMCG0924	PESA R	Infrared Remote Control Unit	Ax
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**ACCESSORIES (NOT REPLACEMENT ITEM)**

TINS-5179	CEZZ	- Operation Manual	—
TMAN-3749	CEZZ	- Service information	—
UBATU1032	CEN1	- Dry Batteries, Size AAA (2 pcs)	—

— End of SUPPLIED ACCESSORIES —

**PACKING PARTS  
(NOT REPLACEMENT ITEM)**

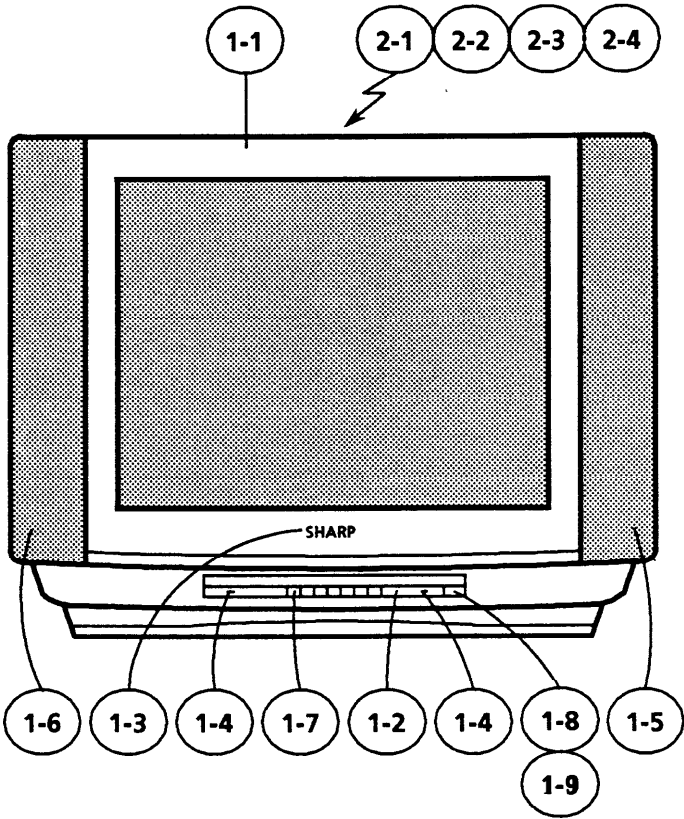
SPAKC4707	CEZZ	- Packing Case	—
SPAKP0704	CEZZ	- Polystyrene Mat	—
SPAKX2453	CEZZ	- Buffer Material	—
TLABK0001	TAZZ	- Number Card	—
TLABV0645	CEZZ	- Bar Code Label	—

— End of PACKING PARTS —

Ref. No.	Part No.	★	Description	Code
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CABINET PARTS

1	CCABA2071 WEA0	A	Cabinet Ass'y, Front (With Speaker x 2 pcs)	
I-1	Not available	-	Cabinet, Front	—
I-2	GMADT0322CESA	J	Window	AN
I-3	HBDGB3096CESA	J	Badge "SHARP"	AG
I-4	HDECQ0559CESA	J	Decoration Plate, LED	AE
I-5	Not available	-	Punching Plate, (Right)	—
I-6	Not available	-	Punching Plate, (Left)	—
I-7	JBTN-1752CESA	J	Button, Ch./Vol. etc.	AF
I-8	JBTN-1753CESA	J	Button, Power	AF
I-9	MSPRC0043CEFW	J	Spring, Power Button	AA
2	CCABB2039WEA2	A	Cabinet Ass'y, Rear	
2-1	Not available	-	Cabinet, Rear	—
2-2	HINDP401 6CEZZ	J	Indication Plate, AV	AD
2-3	PSPAH0259CE00	J	Spacer, Top Side	AC
2-4	PSPAH0283CE00	J	Spacer, Both Side, (x 4 used)	AA



— End of CABINET PARTS —

S H A R P