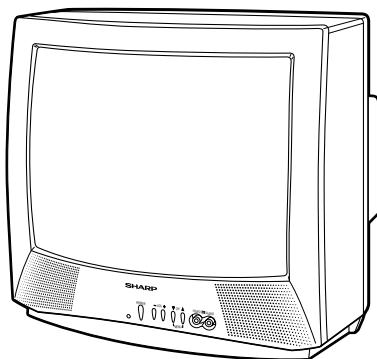


SHARP**SERVICE MANUAL**

S11O219R-M100

**MODELS**
19R-M100
19R-M100S

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.

CONTENTS

	Page
• ELECTRICAL SPECIFICATIONS	1
• IMPORTANT SERVICE SAFETY PRECAUTION	2
• LOCATION OF USER'S CONTROL	4
• INSTALLATION AND SERVICE INSTRUCTIONS	5
• CHASSIS LAYOUT	11
• BLOCK DIAGRAM	12
• SCHEMATIC DIAGRAMS	13
• PRINTED WIRING BOARD ASSEMBLIES	20
• REPLACEMENT PARTS LIST	23
• PACKING OF THE SET	29

ELECTRICAL SPECIFICATIONS

POWER INPUT	AC 120 V, 60 Hz
POWER RATING	69 W
PICTURE SIZE	1,194cm ² (185sq inch)
CONVERGENCE	Magnetic
SWEEP DEFLECTION	Magnetic
FOCUS	Hi-Bi-Potential Electrostatic
INTERMEDIATE FREQUENCIES	
Picture IF Carrier Frequency	45.75 MHz
Sound IF Carrier Frequency	41.25 MHz
Color Sub-Carrier Frequency	42.17 MHz (Nominal)
AUDIO POWER	
OUTPUT RATING	1 W (RMS)

SPEAKER	
SIZE	8 cm (Round)
VOICE COIL IMPEDANCE	32 ohm at 400 Hz
ANTENNA INPUT IMPEDANCE	
VHF/UHF	75 ohm Unbalanced
TUNING RANGES	
VHF-Channels	2 thru 13
UHF-Channels	14 thru 69
CATV Channels	1 thru 125 (EIA, Channel Plan U.S.A.)

Specifications are subject to change without prior notice.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

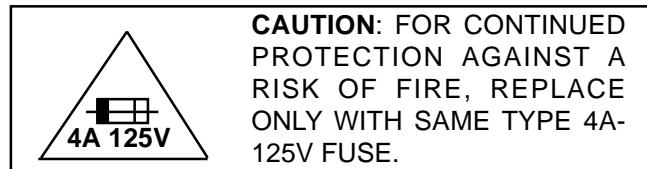
IMPORTANT SERVICE SAFETY PRECAUTION

■ Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.
3. Semiconductor heat sinks are potential shock hazards when the chassis is operating.
4. The chassis in this receiver has two ground systems which are separated by insulating material. The non-isolated (hot) ground system is for the B+ voltage regulator circuit and the horizontal output circuit. The isolated ground system is for the low B+ DC voltages and the secondary circuit of the high voltage transformer.

To prevent electrical shock use an isolation transformer between the line cord and power receptacle, when servicing this chassis.



SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove the static charge by connecting a 10k ohm resistor in series with an insulated wire (such as a test probe) between the picture tube ground and the 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 shatterproof goggles and after discharging the high voltage anode completely.

X-RADIATION AND HIGH VOLTAGE LIMITS

1. Be sure all service personnel are aware of the procedures and instructions covering X-radiation. The only potential source of X-ray in current solid state TV receivers is the picture tube. However, the picture tube does not emit measurable X-Ray radiation, if the high voltage is as specified in the "High Voltage Check" instructions. It is only when high voltage is excessive that X-radiation is capable of penetrating the shell of the picture tube including the lead in the glass material. The important precaution is to keep the high voltage below the maximum level specified.
2. It is essential that servicemen have available at all times an accurate high voltage meter. The calibration of this meter should be checked periodically.
3. High voltage should always be kept at the rated value -no higher. Operation at higher voltages may cause a failure of the picture tube or high voltage circuitry and;also, under certain conditions, may produce radiation in exceeding of desirable levels.
4. When the high voltage regulator is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be tested while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. Do not use a picture tube other than that specified or make unrecommended circuit modifications to the high voltage circuitry.
6. When troubleshooting and taking test measurements on a receiver with excessive high voltage, avoid being unnecessarily close to the receiver. Do not operate the receiver longer than is necessary to locate the cause of excessive voltage.

IMPORTANT SERVICE SAFETY PRECAUTION

(Continued)

BEFORE RETURNING THE RECEIVER

(Fire & Shock Hazard)

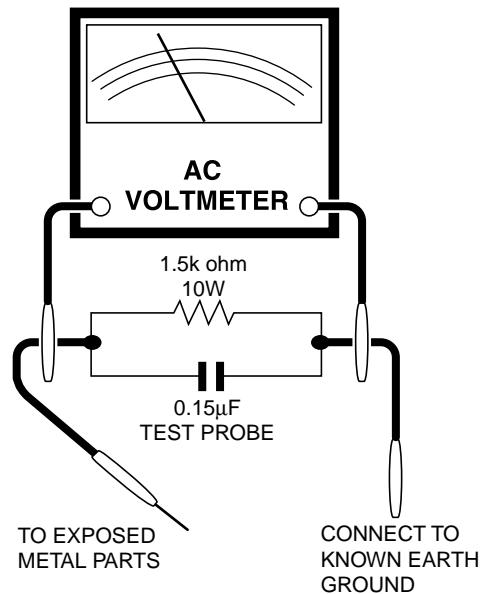
Before returning the receiver to the user, perform the following safety checks.

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 materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators and etc.
 3. To be sure that no shock hazard exists, check for leakage current in the following manner.
- Plug the AC cord directly into a 120 volt AC outlet, (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a $0.15\mu\text{F}$ capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
 - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor.

- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon and etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC line cord plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these check.)

Any current measured must not exceed 0.5 milliamp. Any measurements not within the limits outlined above indicate of a potential shock hazard and corrective action must be taken before returning the instrument to the customer.



SAFETY NOTICE

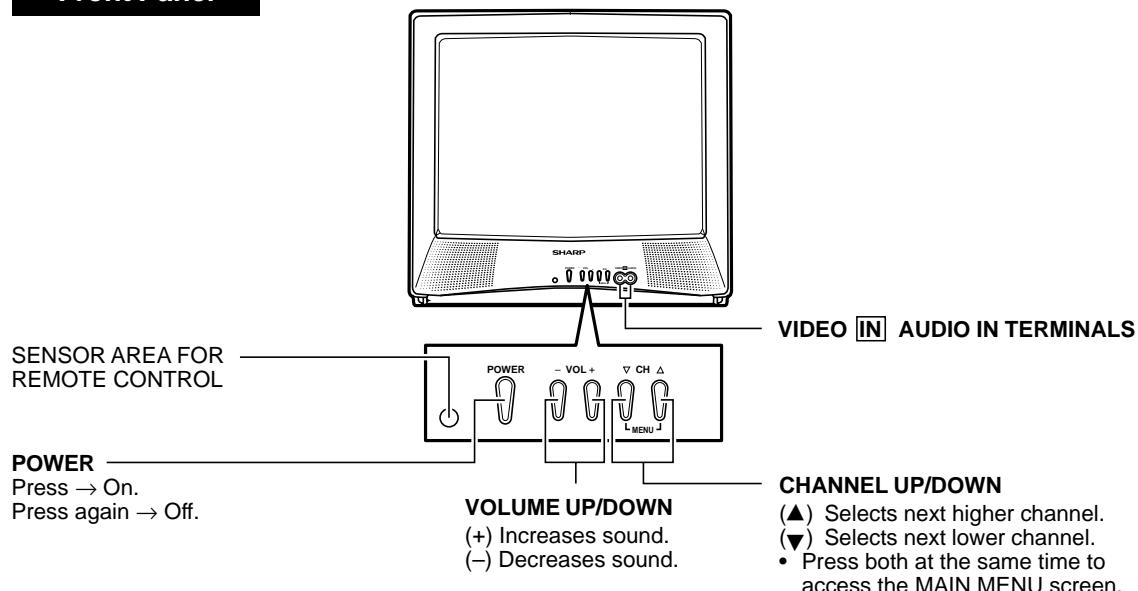
Many electrical and mechanical parts in television receivers have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage and etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "" and shaded areas in the Replacement Parts Lists and Schematic Diagrams.

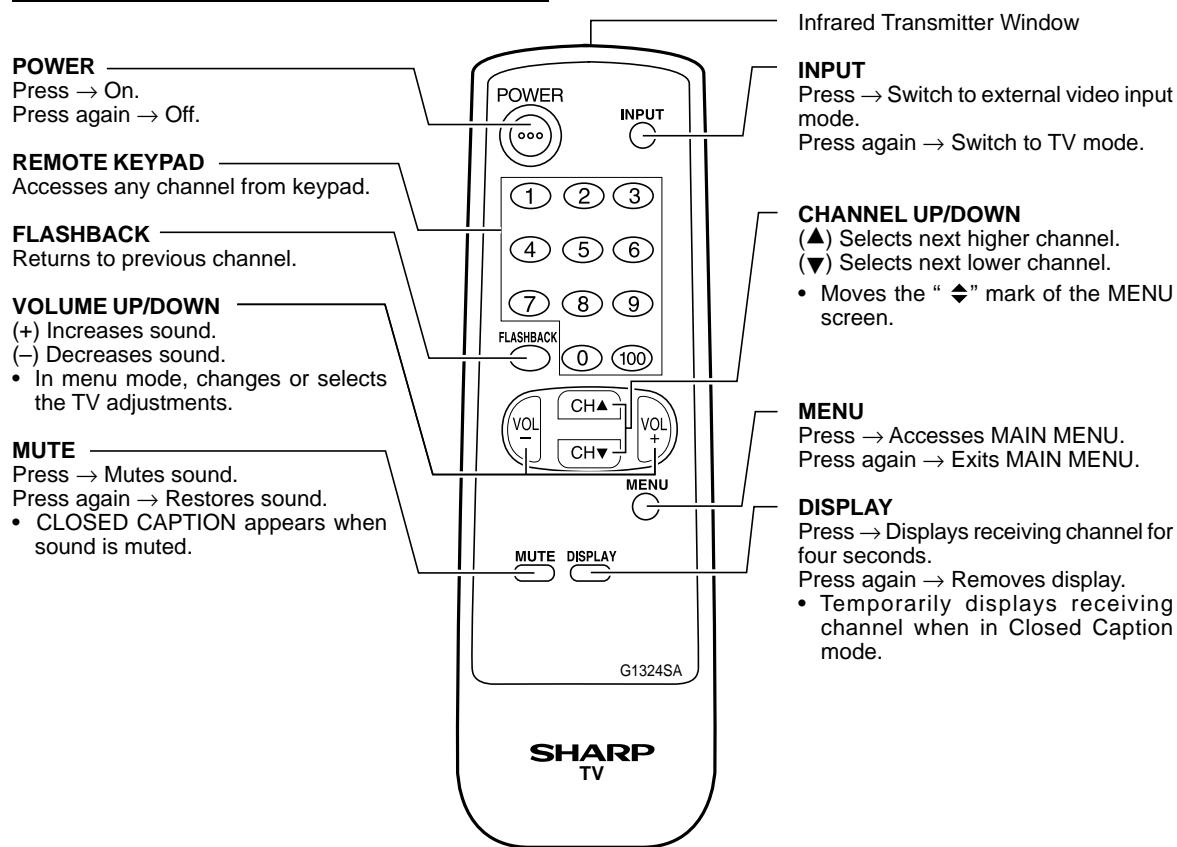
For continued protection, replacement parts must be identical to those used in the original circuit. The use of substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire, X-radiation or other hazards.

LOCATION OF USER'S CONTROL

Front Panel



Basic Remote Control Functions



INSTALLATION AND SERVICE INSTRUCTIONS

- Note:** (1) When performing any adjustments to resistor controls and transformers use non-metallic screwdrivers or TV alignment tools.
(2) Before performing adjustments, the TV set must be on at least 15 minutes.

CIRCUIT PROTECTION

The receiver is protected by a 4.0A fuse (F701), mounted on PWB-A, wired into one side of the AC line input.

X-RADIATION PROTECTOR CIRCUIT TEST

After service has been performed on the horizontal deflection system, high voltage system, B+ system, test the X-Radiation protection circuit to ascertain proper operation as follows:

1. Apply 120V AC using a variac transformer for accurate input voltage.
2. Allow for warm up and adjust all customer controls for normal picture and sound.
3. Receive a good local channel.
4. Connect a digital voltmeter to TP653 and make sure that the voltmeter reads 21.4 ± 1.5 V.
5. Apply external 27.2V DC at TP653 by using an external DC supply, TV must be shut off.
6. To reset the protector, unplug the AC cord and make a short circuit between TP651 and TP652. Now make sure that normal picture appears on the screen.
7. If the operation of the horizontal oscillator does not stop in step 5, the circuit must be repaired before the set is returned to the customer.

HIGH VOLTAGE CHECK

High voltage is not adjustable but must be checked to verify that the receiver is operating within safe and efficient design limitations as specified checks should be as follows:

1. Connect an accurate high voltage meter between ground and anode of picture tube.
2. Operate receiver for at least 15 minutes at 120V AC line voltage, with a strong air signal or a properly tuned in test signal.
3. Enter the service mode and select the service adjustment "S03" and Bus data "01" (Y-mute on).
4. The voltage should be approximately 26.0kV (at zero beam).

If a correct reading cannot be obtained, check circuitry for malfunctioning components. After the voltage test, make Y-mute off to the normal mode.

For adjustments of this model, the bus data is converted to various analog signals by the D/A converter circuit.

Note: There are still a few analog adjustments in this series such as focus and master screen voltage. Follow the steps below whenever the service adjustment is required.

To enter the service mode and exit service mode.

While pressing the Vol-up and Ch-up buttons at the sametime, plug the AC cord into a wall socket.

Now, the TV set is switched on and enters the service mode.

To exit the service mode, turn the television off by pressing the power button.

1. Service mode.

Before putting unit into the service mode, check that customer adjustments are in the normal mode. Use the reset function in the video adjustment menu to ensure customer control are in their proper (reset) position.

2. Service number selection.

In the service mode, you will see the window screen as window ①. There are 3 adjustment categories ②DEF, ③SIGNAL, ④FIX VALUE as show in **Figure A**.

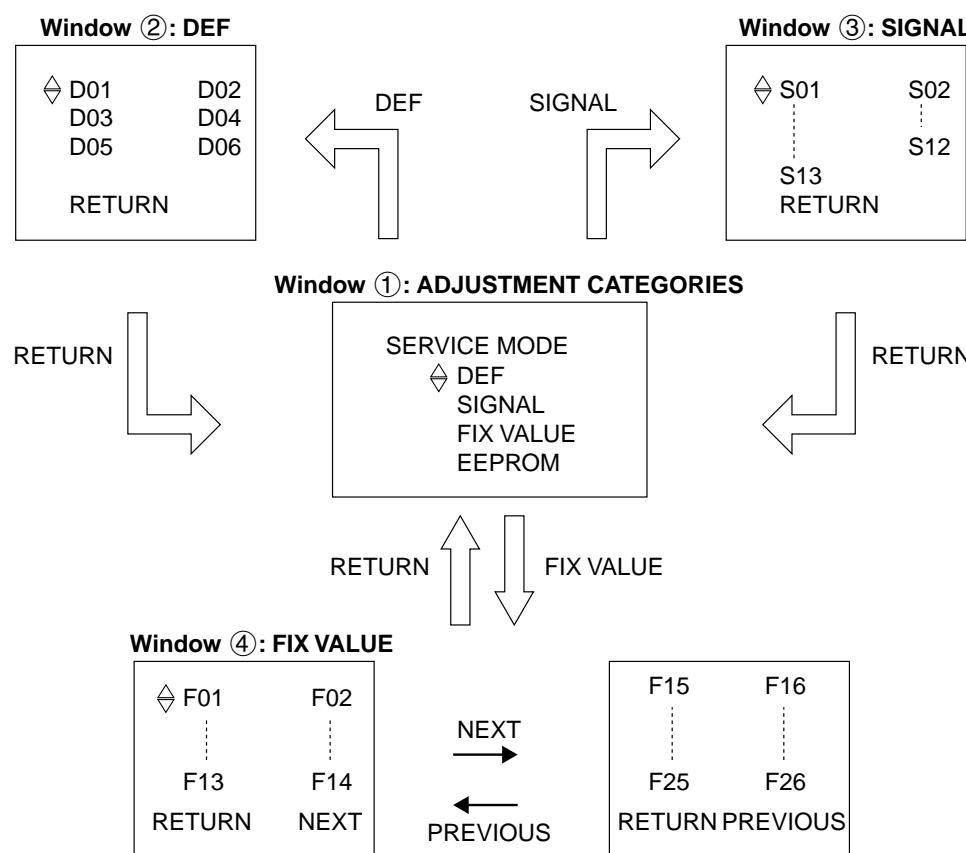


Figure A: ADJUSTMENT CATEGORIES

Press CH UP/DOWN button for selection and enter by VOL UP or VOL DOWN.

Press CH UP/DOWN button to select the adjustment item and VOL UP/DOWN

to adjust the data number for each categories.

(OSD disturbance can be erased by R/C display key)

(Note: EEPROM – factory used only)

Below are the adjustments ranges and initial values for FIX VALUE category.

FIX VALUE

SERVICE POSITION	ADJUST ITEM	DATA		
		RANGE	INITIAL VALUE	(Hex)
F01	OPTION 1	00-FF	B0	B0
F02	OPTION 2	00-FF	04	04
F03	E-SAVE	00-3F	23	2A
F04	TUNER SETUP	00, 01	00	00
F05	R-TONE RD	00-7F	19	03
F06	R-TONE BD	00-7F	00	7C
F07	B-TONE RD	00-7F	00	00
F08	B-TONE BD	00-7F	12	04
F09	FM LEVEL	00-1F	0C	0C
F10	AFC GAIN	00, 01	00	00
F11	G DRIVE	00, 0F	0F	0F
F12	FBT BLK SW	00, 01	01	01
F13	V COMP	00-07	07	07
F14	OSD CONT	00-07	02	01
F15	SHARPNESS	00-3F	19	19
F16	FLT SYS	00-03	00	00
F17	KILLER OP	00-07	04	02
F18	PRE SHOOT	00-03	03	00
F19	CORING	00-07	07	04
F20	DC REST	00-03	02	02
F21	BS START	00-03	01	01
F22	BS GAIN	00-03	01	01
F23	ABL START	00-07	00	00
F24	R/B ANGLE	00-0F	08	08
F25	H BLK R	00-07	04	03
F26	H BLK L	00-07	04	00

Table - A

Below are the ranges and initial values for each adjustment and in each categories.

DEF

SERVICE POSITION	ADJUST ITEM	DATA		ADJUSTMENT CONTENTS
		RANGE	INITIAL VALUE	
D01	H-PHASE	00-1F	0C	
D02	V-SIZE	00-7F	40	
D03	V-POSITION	00-3F	20	Must be "20"
D04	CC-POSITION	00-FF	1A	
D05	V-LINEARITY	00-1F	10	Must be "18"
D06	V-S-CORRECTION	00-1F	10	Must be "0C"

Table - B

SIGNAL

SERVICE POSITION	ADJUST ITEM	DATA		ADJUSTMENT CONTENTS
		RANGE	INITIAL VALUE	
S01	RF AGC	00-3F	14	
S02	VIDEO LEVEL	00-07	03	
S03	Y-MUTE	00-03	00	"01":Y-MUTE, "02":V-STOP&Y-MUTE "03":Activate color killer
S04	SUB BIAS	00-FF	40	Must be "30"
S05	R-BIAS	00-FF	00	
S06	G-BIAS	00-FF	00	
S07	B-BIAS	00-FF	00	
S08	R-DRIVE	00-7F	40	
S09	B-DRIVE	00-7F	40	
S10	CONTRAST	00-7F	5A	
S11	TINT	00-7F	40	
S12	COLOR	00-7F	40	
S13	BRIGHTNESS	00-7F	40	

Note: Refer to the SERVICE ADJUSTMENT for each corresponding values.

Table - C

Holding down both the Vol-up/Ch-down buttons on the TV set at service mode for more than 2 seconds will automatically write the above initial values into IC2102 (IC2101).

PART REPLACED	ADJUSTMENT		NOTES
	NECESSARY	UNNECESSARY	
IC2001		X	Data is stored in IC2102 (IC2101).
IC201	X		The adjustment is needed to compensate for characteristics of parts including IC201.
IC2102 (IC2101)	X		Holding down both the Vol-up/Ch-down buttons on the TV set in the service mode for more than 2 seconds will automatically write the above initial values into IC2102 (IC2101).
CRT	X		Adjust items related to picture tube only.

Table - D

	R2101	R2102	R2103	R2104
If using IC2101	○	○	-	-
If using IC2102	-	-	○	○

Table - E

■ SERVICE ADJUSTMENT

RF AGC Adjustment

1. Receive a good local channel.
2. Enter the service mode signal category and select the service adjustment "S01".
3. Set the data value to point where no noise or beat appears.
4. Select another channel to confirm that no noise or beat appears.

Note: You have to exit the service mode first to select another channel.

Video Level (TV Det Video Level) Adjustment

1. Receive a good local channel.
2. Enter the service mode signal category and select the service adjustment "S02".
3. Set the data value to "02" first, then adjust the data in ranges 02 ± 2 step to obtain a normal contrast level.

Screen Adjustment

1. Connect to oscilloscope probe between TP855 and ground of the CRT unit.
2. Receive a good local channel.
3. Enter the service mode Signal category and set the service adjustment "S04" to step 30. Then select the service adjustment "S12" and set the data value to "00" to set the color level to the minimum level. (record the original data first). You may skip this step, if you selected a B/W picture or monoscope pattern. Set also the "S05/S06/S07" data to minimum level.
4. Select the service adjustment "S03" and set the data value to "01" to turn off the luminance signal (Y-mute).
5. Select the service adjustment "S13" and adjust the data value to obtain 2.35 volts as shown in **Figure B**.
6. Adjust the master screen control until the raster darkens to the point where raster is barely seen.
7. Adjust the service adjustment "S05" red, "S06" green and "S07" blue to obtain a good grey scale with normal white at low brightness level.
8. Select the service a adjustment "S03" and reset data to "00". Select the service adjustment "S12" and reset data to obtain normal color level.
9. Remove probe and reset the master screen control to obtain normal brightness range.

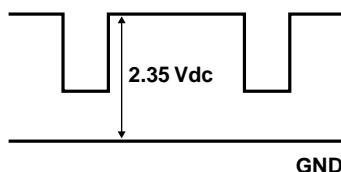


Figure B: WAVEFORM FOR SCREEN ADJUSTMENT

White Balance Adjustment

1. Receive a good local channel.
2. Select the service adjustment "S12" and set the data value to "00" to set the color level to the minimum. You may skip this step, if you selected a B/W picture or monoscope.
3. Alternately adjust the service adjustment data of "S08" and "S09" until a good grey scale with normal white is obtained.
4. Select the service adjustment "S12" and reset data to obtain normal color level.

Sub-Picture Adjustment

1. Receive a good local channel.
2. Make sure the customer picture control is set to maximum.
3. Enter the service mode and select the service adjustment "S10".
4. Adjust the data value to achieve normal contrast range.

Sub-Tint Adjustment

1. Receive a good local channel.
2. Set the customer tint control to the center of it's range.
3. Enter the service mode and select the service adjustment "S11".
4. Adjust "S11" data value to obtain normal fresh tones.

Sub-Color Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position.
3. Enter the service mode and select the service adjustment "S12".
4. Adjust "S12" data value to obtain normal color level.

Sub-Brightness Adjustment

1. Receive a good local channel.
2. Make sure the customer brightness control is set to center position.
3. Enter the service mode and select the service adjustment "S13".
4. Adjust "S13" data value to obtain normal brightness level.

Vertical-Size, V-Linearity and V-S Correction Adjustments

1. Receive a good local channel.
2. Enter the service mode DEF category and select the adjustment "D02" for Vertical Size, "D05" for V-Linearity and "D06" for V-S Correction Adjustment.
3. Set in order "D05" for V-Linearity, "D06" for V-S Correction and set the data to get the best linearity.
4. Then adjust "D02" data until it become a proper vertical size.

Horizontal Position Adjustment

1. Receive a good local channel.
2. Enter the service mode DEF category and select the adjustment "D01".
3. Adjust "D01" data value to center the picture.

Vertical-Phase Adjustment

1. Receive a good local channel.
2. Enter the service mode DEF category and select the adjustment "D03".
3. Adjust "D03" bus data to get the most acceptable vertical position.

Note: The step range is 20 (032) ±10 steps.

Caption Position Adjustment (Horizontal)

1. Receive a good local channel.
2. Enter the service mode DEF category and select the adjustment "D04".
3. A black text box will appear on the screen. (see **Figure C.** below)
4. Adjust "D04" data value to balance the text box position in the center (A=B).

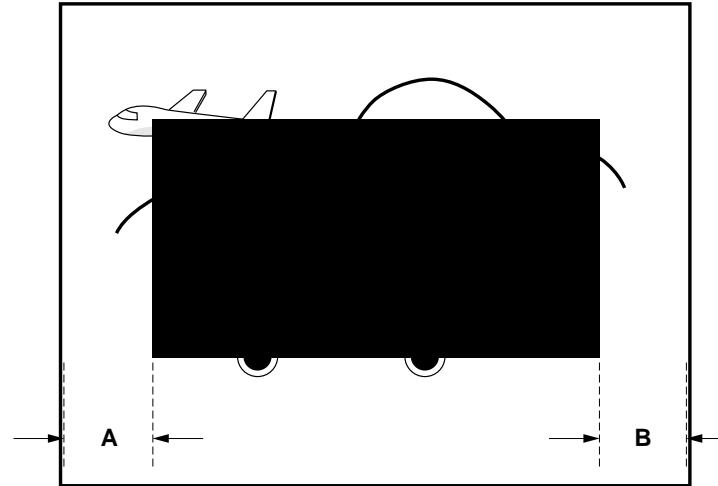
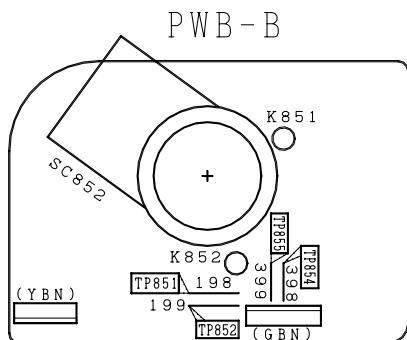


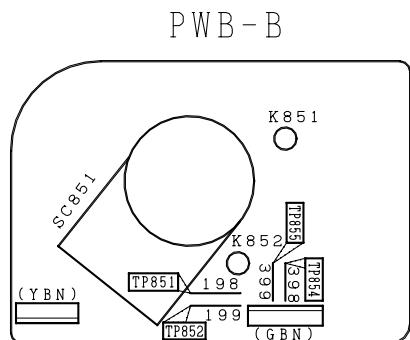
Figure C.

CHASSIS LAYOUT

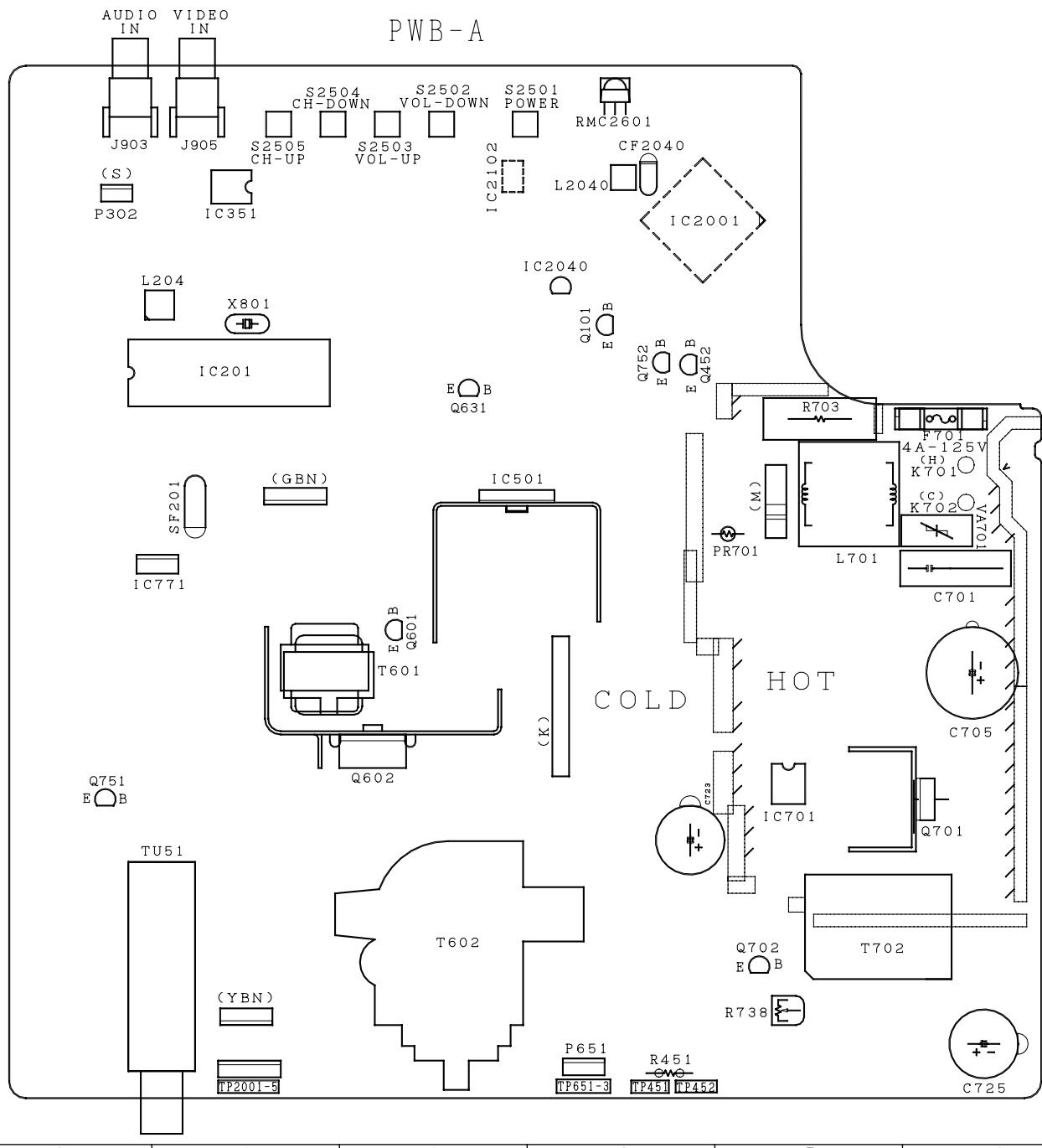
■19R-M100



■19R-M100S

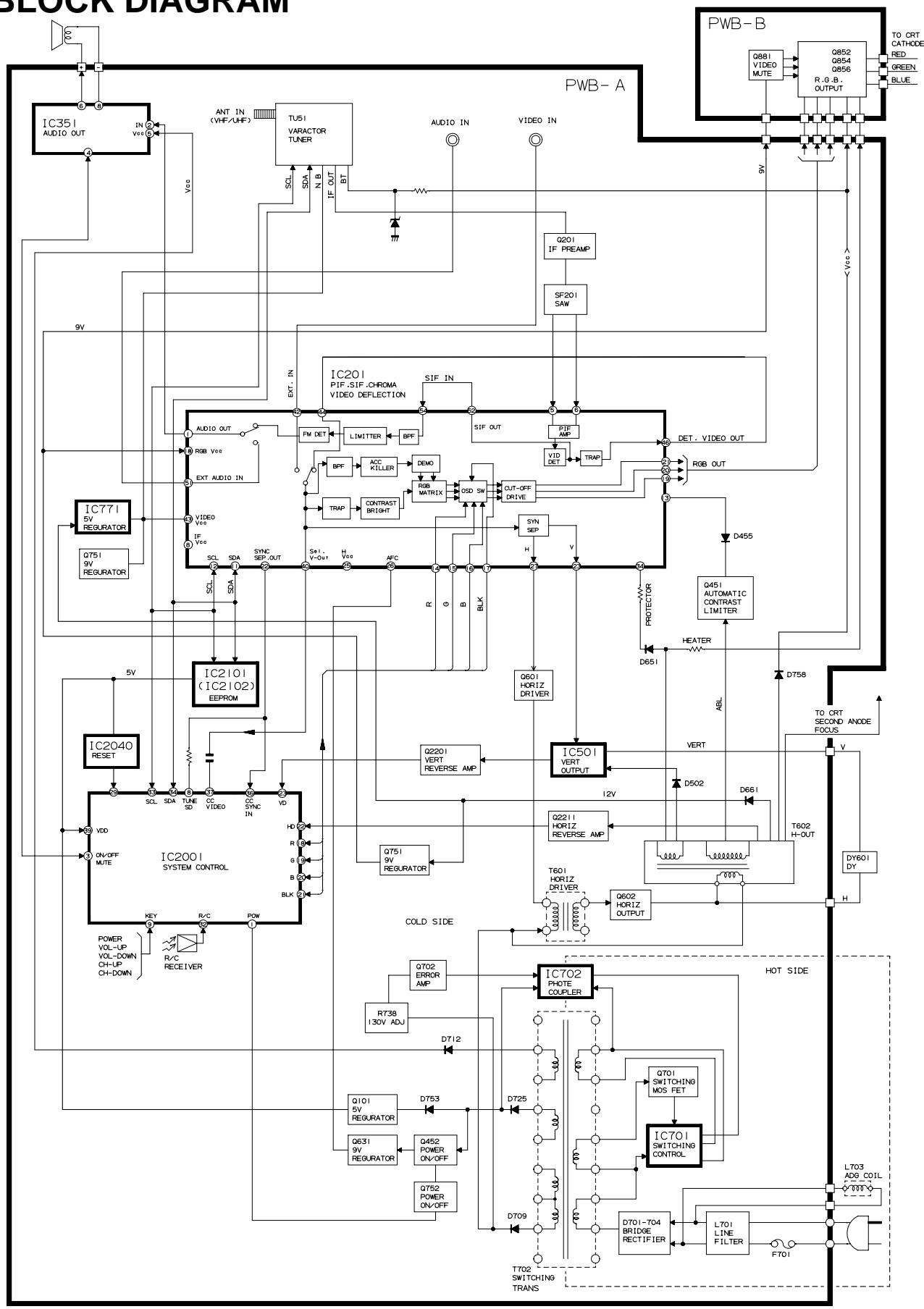


H
G
F
E
D
C
B
A



1 2 3 4 5 6

BLOCK DIAGRAM



DESCRIPTION OF SCHEMATIC DIAGRAM

NOTES:

1. The unit of resistance "ohm" is omitted.
($K=k\Omega=1000\Omega$, $M=M\Omega$)
2. All resistors are 1/10 watt, unless otherwise noted.
3. All capacitors are μF , unless otherwise noted.
($P=pF=\mu\mu F$)
4. (G) indicates $\pm 2\%$ tolerance may be used.
5. $\not\parallel$ indicates line isolated ground.

VOLTAGE MEASUREMENT CONDITIONS:

1. All DC voltages are measured with DVM connected between points indicated and chassis ground, line voltage set at 120V AC and all controls set for normal picture unless otherwise indicated.
2. All voltages measured with $1000\mu V$ B & W or Color signal.

WAVEFORM MEASUREMENT CONDITIONS:

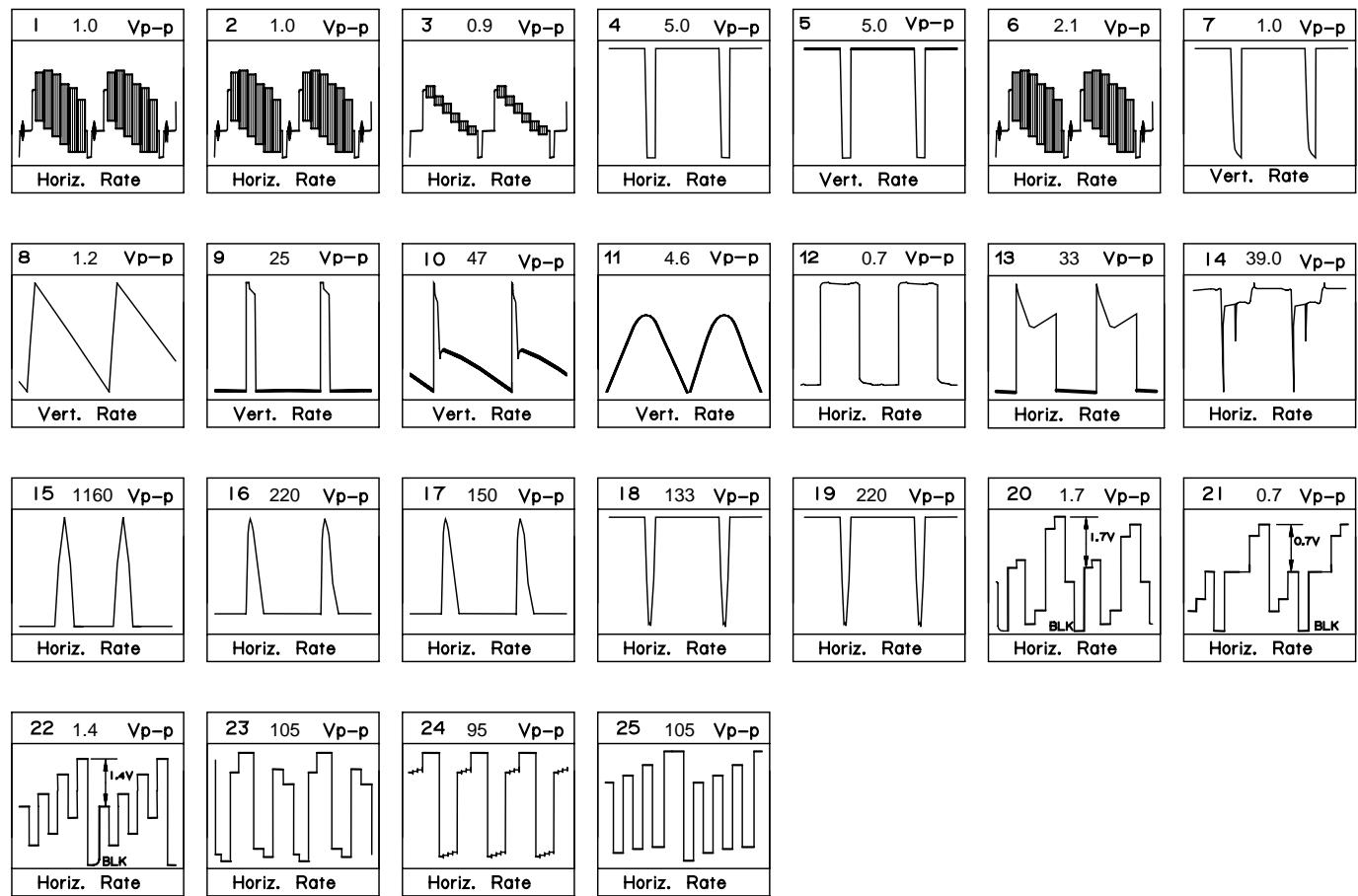
1. Photographs taken on a standard gated color bar signal, the tint setting adjusted for proper color. The wave shapes at the red, green and blue cathodes of the picture tube depend on the tint, color level and picture control.
2.  indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)

 AND SHADED () COMPONENTS = SAFETY RELATED PARTS.

 MARK= X-RAY RELATED PARTS.

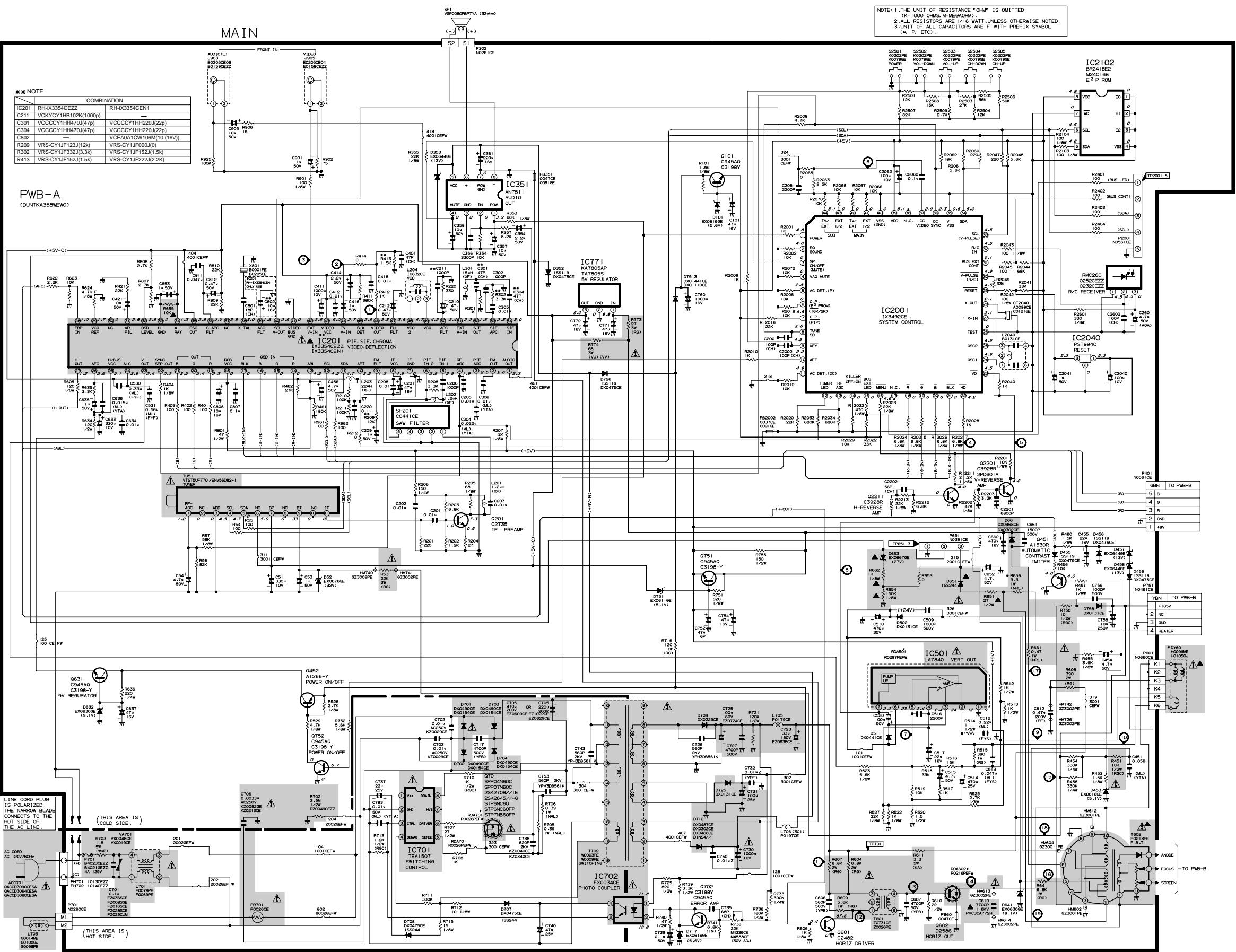
This circuit diagram is a standard one, printed circuits may be subject to change for product improvement without prior notice.

WAVEFORMS

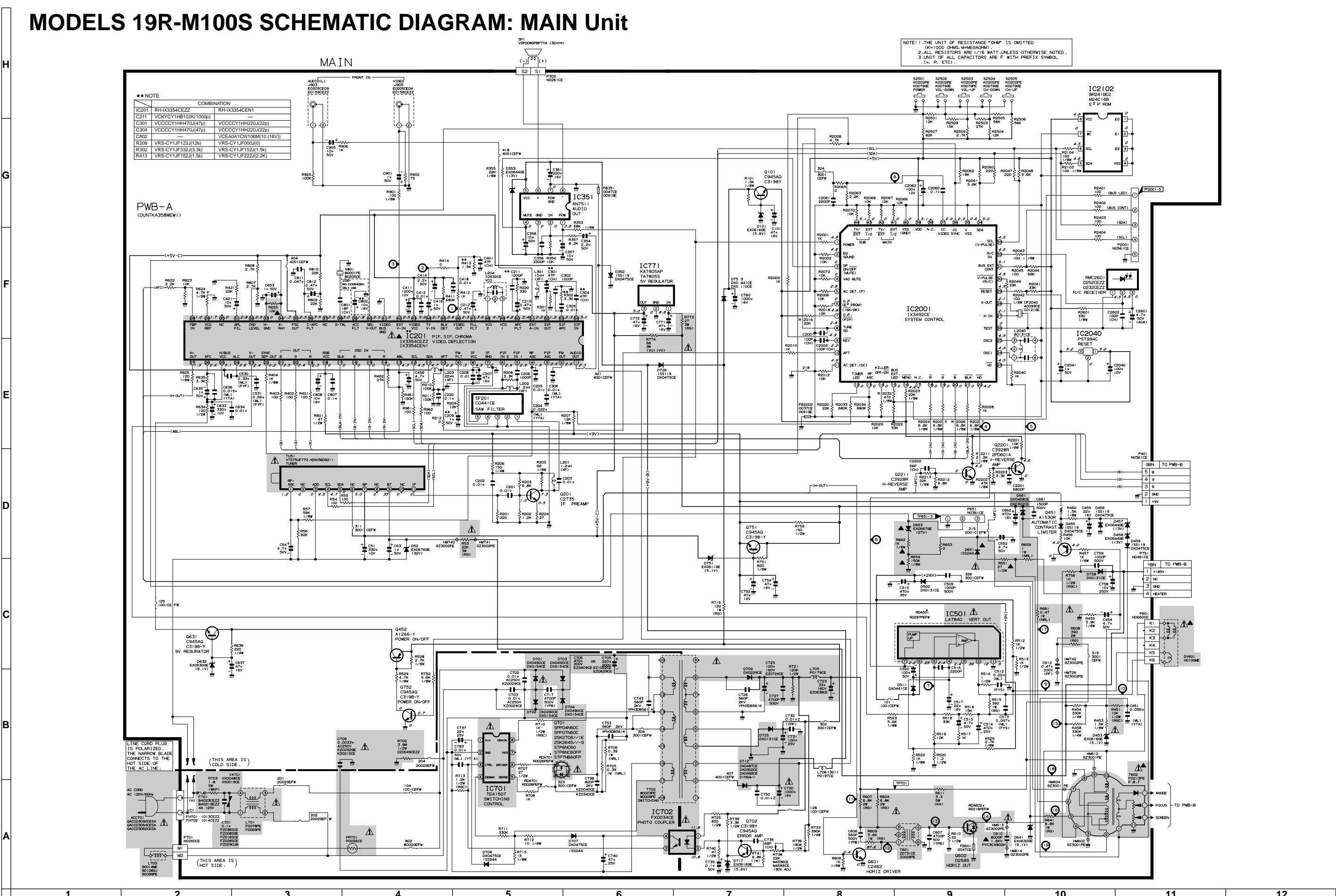


MODEL 19R-M100 SCHEMATIC DIAGRAM: MAIN Unit

NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS. M=MEGAOHM).
2. ALL RESISTORS ARE 1/16 WATT. UNLESS OTHERWISE NOTED.
3. UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL.



MODELS 19R-M100S SCHEMATIC DIAGRAM: MAIN Unit



MODEL 19R-M100 SCHEMATIC DIAGRAM: CRT Unit

H

G

F

E

D

C

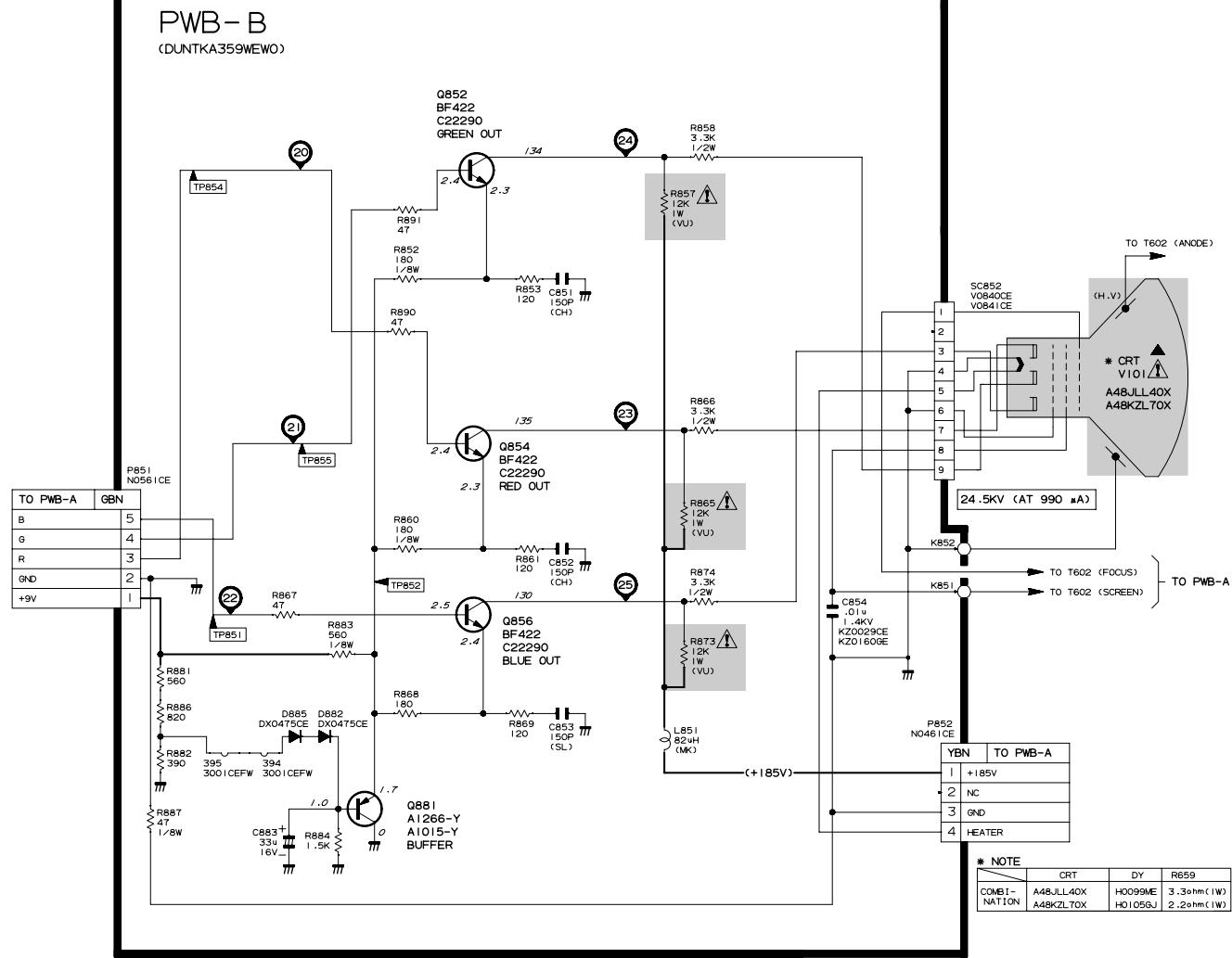
B

A

CRT

NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS, M=MEGAOHM).
2. ALL RESISTORS ARE 1/16 WATT UNLESS OTHERWISE NOTED.
3. UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL
(U, P, ETC).

REPLACE WITH A PICTURE
TUBE OF THE SAME TYPE
NUMBER FOR CONTINUED
SAFETY.



MODEL 19R-M100S SCHEMATIC DIAGRAM: CRT Unit

H

G

F

E

D

C

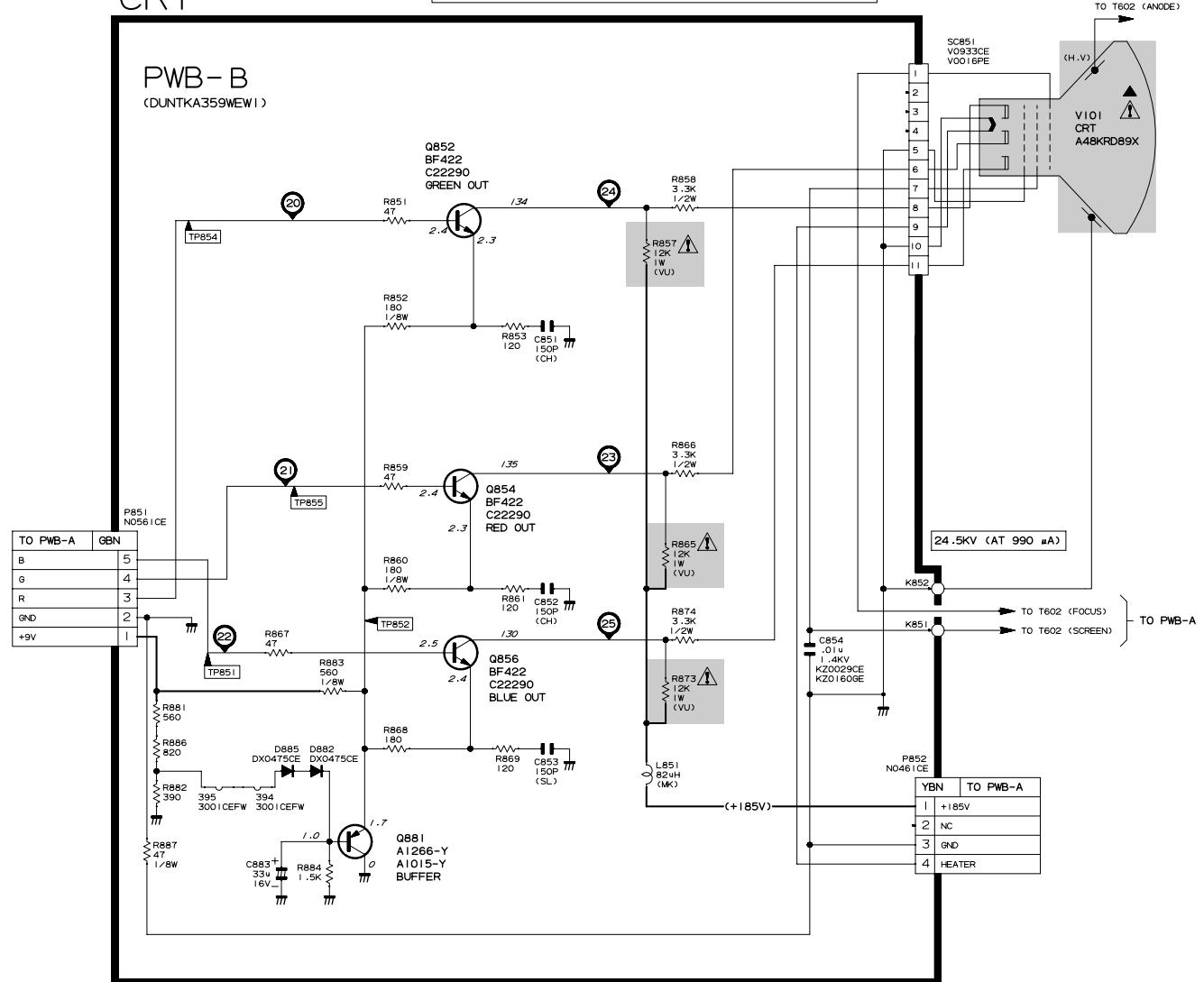
B

A

CRT

NOTE: 1. THE UNIT OF RESISTANCE "OHM" IS OMITTED
(K=1000 OHMS. M=MEGAOHM).
2. ALL RESISTORS ARE 1/16 WATT UNLESS OTHERWISE NOTED.
3. UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL
(u, p, etc.).

REPLACE WITH A PICTURE
TUBE OF THE SAME TYPE
NUMBER FOR CONTINUED
SAFETY.



PRINTED WIRING BOARD ASSEMBLIES

H

G

F

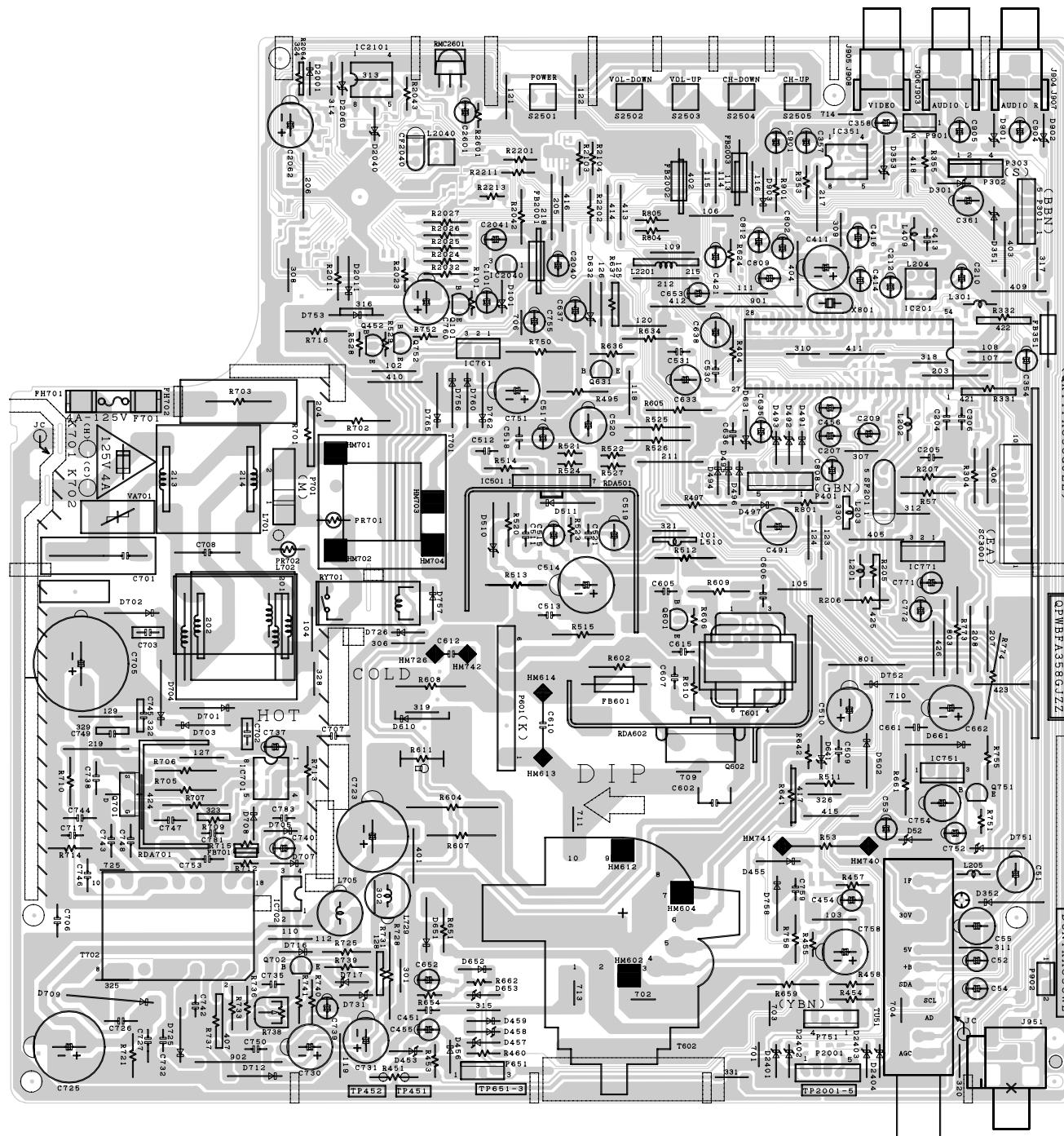
E

D

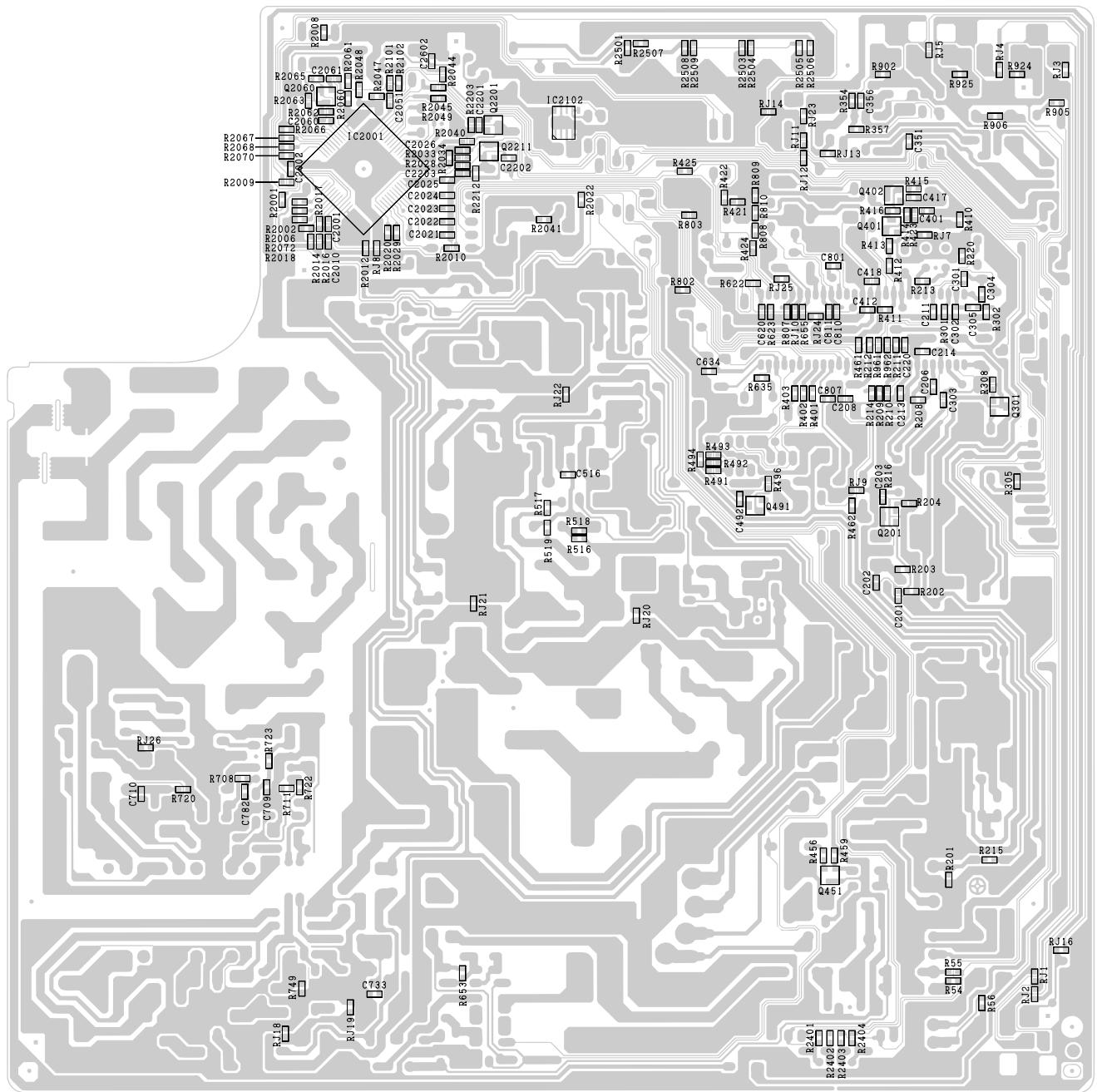
C

B

A



PWB-A: MAIN Unit (Wiring Side)



PWB-A: MAIN Unit (Chip Parts Side)

H

G

F

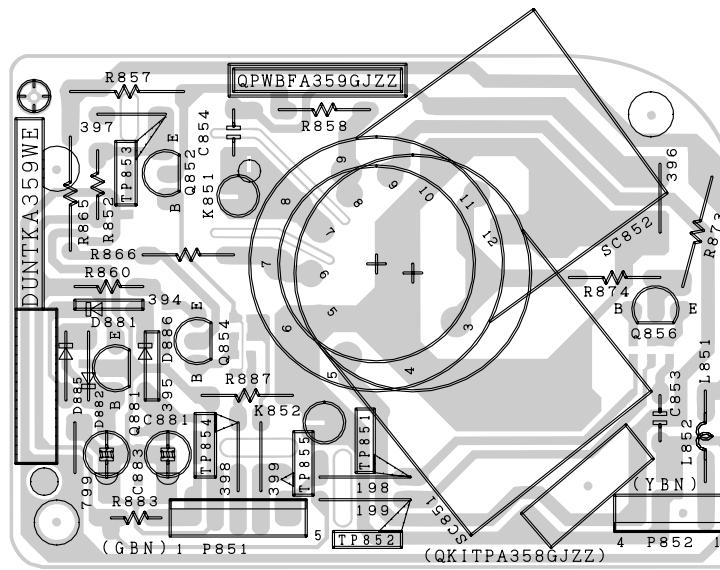
E

D

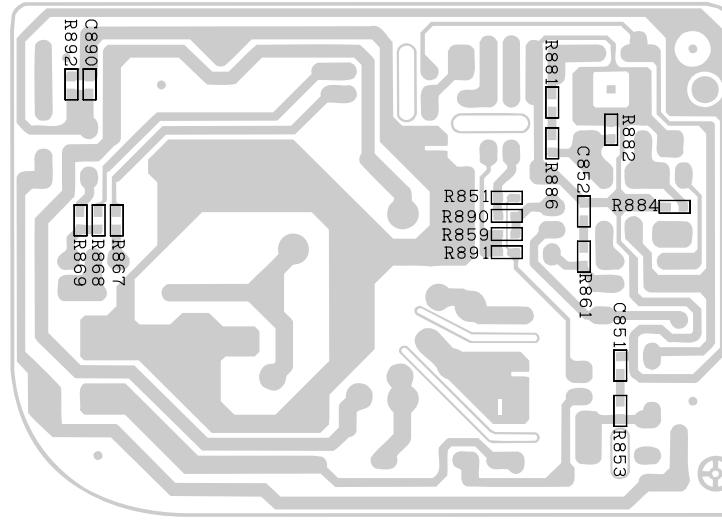
C

B

A



PWB-B: CRT Unit (Wiring Side)



PWB-B: CRT Unit (Chip Parts Side)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by \triangle and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic 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 |

in USA: Contact your nearest SHARP Parts Distributor to order.
For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

★ MARK : SPARE PARTS-DELIVERY SECTION

▲ MARK : X- RAY RELATED PARTS

Ref. No.	Part No.	★	Description	Code
----------	----------	---	-------------	------

PICTURE TUBE

19R-M100

- ▲ V101 VB48JLL40X/*S X Picture Tube (DY:H0099ME) BY
or
VB48KZL70X/*S (DY:H0105GJ)
- ▲ DY601 RCILH0099MEZZ X Deflection Yoke AX
or
RCILH0105GJZZ (CRT:A48JLL40X)
- ▲ L703 RCILG0014MEZZ X Degaussing Coil AQ
or
RCILG0108GJZZ
or
RCILG0099PEZZ
LHLDW0102GJKZ X Holder AC
LHLDW1007MEKZ X Holder AD
PMAGF3045CEZZ R Purity Magnet AG
QEARC2016PEZZ J Grounding Strap AG

	CRT	DY	R659
COMBI-NATION	A48JLL40X	H0099ME	3.3ohm(1W)
	A48KZL70X	H0105GJ	2.2ohm(1W)

19R-M100S

- ▲ V101 VB48KRD89X/3E X Picture Tube BY
- ▲ DY601 RCILH0100MEZZ X Deflection Yoke AY
or
RCILG0108GJZZ X Degaussing Coil AQ
or
RCILG0014MEZZ
or
RCILG0099PEZZ
LHLDW0102GJKZ X Holder AC
LHLDW1007MEKZ X Holder AD
PMAGF3046CEZZ R Purity Magnet AF
QEARC2016PEZZ J Grounding Strap AG

Ref. No.	Part No.	★	Description	Code
----------	----------	---	-------------	------

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

19R-M100

- PWB-A DUNTKA358WEW0 – MAIN Unit
PWB-B DUNTKA359WEW0 – CRT Unit

19R-M100S

- PWB-A DUNTKA358WEW1 – MAIN Unit
PWB-B DUNTKA359WEW1 – CRT Unit

PWB-A: DUNTKA358WEW0 (19R-M100) PWB-A: DUNTKA358WEW1 (19R-M100S) MAIN UNIT

TUNER

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

- ▲ TU51 VTUVTST5UF770 R Tuner AZ
or
VTUENV56D82-1

INTEGRATED CIRCUITS

- ▲ ▲ IC201 RH-iX3354CEZZ J LA76843 AT
or
RH-iX3354CEN1

COMBINATION		
IC201	RH-iX3354CEZZ	RH-iX3354CEN1
C211	VCKCY1YH102K(1000p)	—
C301	VCCCCY1HH470J(47p)	VCCCCY1HH220J(22p)
C304	VCCCCY1HH470J(47p)	VCCCCY1HH220J(22p)
C802	—	VCEA0A1CW106M(10 μ (16V))
R209	VRS-CY1JF123J(12k)	VRS-CY1JF000J(0)
R302	VRS-CY1JF332J(3.3k)	VRS-CY1JF152J(1.5k)
R413	VRS-CY1JF152J(1.5k)	VRS-CY1JF222J(2.2k)

- IC351 VHIAN7511/-1 J AN7511 AK
- ▲ IC501 VHILA7840//1 J LA7840 AR
- ▲ IC701 VHITEA1507/-1 J TEA1507P/N1 AL
- ▲ IC702 RH-FX0034CEZZ J PC817 AE
- IC771 VHIAKA7805AP-1 J KA7805API
or
VHITA7805S/-1
- IC2001 RH-iX3492CEZZQ X TMPA8700CPF AT
- IC2040 VHIPST994C/-1 J PST994C AD
- IC2102 VHIBR2416E2-1 J BR2416E2 AK
- or
VHiM24C16B/-1 J M24C16B (IC2101) AG

TRANSISTORS

- Q101 VS2SC945AQ/-1 J 2SC945AQ AB
or
VS2SC3198Y/-1
- Q201 VS2SC2735//1E J 2SC2735 AC
- Q451 VS2SA1530R/-1 J 2SA1530AR AB
- Q452 VS2SA1266-Y-1 J 2SA1266-Y AA
- Q601 VS2SC2482//1 J 2SC2482 AD
- ▲ Q602 VS2SD2586//1E J 2SD2586 AM
- Q631 VS2SC945AQ/-1 J 2SC945AQ AB
or
VS2SC3198Y/-1
- ▲ Q701 VSSPP04N60C-1 J FET AH
or
VSSPP07N60C-1
or
VS2SK2708//1E
or
VS2SK2645++-1
or
VSSTP6NC60+-1
or
VSSTP6NC60F-1

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code	
PWB-A: DUNTKA358WEW0 (19R-M100) PWB-A: DUNTKA358WEW1 (19R-M100S) MAIN UNIT (Continued)										
					D726	VHD1SS119//1	J	Diode	AB	
						or				
					D751	RH-DX0475CEZZ	J	Zener Diode, 5.1V	AA	
					D753	RH-EX0611GEZZ	J	Diode	AC	
						or				
						RH-DX0441CEZZ	J	Diode	AC	
						RH-DX0110CEZZ	J	Diode	AC	
					△ D758	RH-DX0131CEZZ	J	Diode	AC	
					△ VA701	RH-VX0048CEZZ	J	Varistor	AE	
						or				
						RH-VX0019CEZZ				
					PACKAGED CIRCUIT					
					△ PR701	RMPTP0026CEZZ	J	Packaged Circuit	AF	
					X801	RCRSB0001PEZZ	J	Crystal	AL	
						or				
						RCRSB0205CEZZ				
DIODES										
D52	RH-EX0676GEZZ	J	Zener Diode, 32V	AA	CF2040	RFiLA0099CEZZ	J	Ceramic Filter	AE	
D101	RH-EX0616GEZZ	J	Zener Diode, 5.6V	AA		or				
D352	VHD1SS119//1	J	Diode	AB		RFiLC0121GEZZ				
	or				L201	VP-XF1R2K0000	J	Peaking 1.2μH	AB	
	RH-DX0475CEZZ				L202	VP-XF1R2K0000	J	Peaking 1.2μH	AB	
D353	RH-EX0644GEZZ	J	Zener Diode, 13V	AB	L203	VP-XF220K0000	J	Peaking 22μH	AB	
D453	RH-EX0616GEZZ	J	Zener Diode, 5.1V	AA	L204	RCiLi0632CEZZ	J	IF Coil	AE	
D455	VHD1SS119//1	J	Diode	AB	L301	VP-XF150K0000	J	Peaking 15μH	AB	
	or				△ L701	RCiLF0078PEZZ	J	Coil	AF	
D456	RH-DX0475CEZZ					or				
	VHD1SS119//1	J	Diode	AB	△ L705	RCiLP0179CEZZ	J	Coil	AD	
	or				L706	RCiLP0197CEZZ	J	Coil (JA301)		
D457	RH-EX0644GEZZ	J	Zener Diode, 13V	AB	L2040	RCiLB0131CEZZ	J	Oscillation Coil	AE	
D458	RH-EX0644GEZZ	J	Zener Diode, 13V	AB	SF201	RFiLC0441CEZZ	J	SAW Filter	AH	
D459	VHD1SS119//1	J	Diode	AB						
	or				TRANSFORMERS					
D502	RH-DX0131CEZZ	J	Diode	AC	△ T601	RTRNZ0731CEZZ	J	Transformer	AG	
D511	RH-DX0441CEZZ	J	Diode	AC		or				
D632	RH-EX0630GEZZ	J	Zener Diode, 9.1V	AA		RTRNF0026PEZZ				
D641	RH-EX0630GEZZ	J	Zener Diode, 9.1V	AA	△ △ T602	RTRNF0213PEZZ	J	H-Volt Transformer	AY	
▲ D651	VHD1SS244//1	J	Diode	AB	△ T702	RTRNW0003PEZZ	J	Transformer	AM	
▲ D653	RH-EX0667GEZZ	J	Zener Diode, 27V	AA		or				
▲ D661	RH-DX0468CEZZ	J	Diode	AE		RTRNW0009PEZZ				
	or									
△ D701	RH-DX0302CEZZ				CONTROL					
	RH-DX0490CEZZ	J	Diode	AC	R738	RVR-M4588CEZZ	X	22k(B) Variable Resistor	AF	
	or					or				
	RH-DX0154CEZZ					RVR-M4336CEZZ				
△ D702	RH-DX0490CEZZ	J	Diode	AC						
	or				CAPACITORS					
△ D703	RH-DX0154CEZZ					[EL.... Electrolytic, M-Poly.... Metallized Polypro Film]				
	RH-DX0490CEZZ	J	Diode	AC	C51	VCEA0A1AW337M	X	330	10V	EL.
	or				C53	VCEA0A1HW105M	J	1.0	50V	EL.
△ D704	RH-DX0154CEZZ				C54	VCEA0A1HW475M	J	4.7	50V	EL.
	RH-DX0490CEZZ	J	Diode	AC	C101	VCEA0A1CW476M	J	47	16V	EL.
	or				C201	VCKYCY1HF103Z	J	0.01	50V	Ceramic
D707	RH-DX0154CEZZ				C202	VCKYCY1HF103Z	J	0.01	50V	AA
	RH-DX0475CEZZ	J	Diode	AB	C203	VCKYCY1HF103Z	J	0.01	50V	Ceramic
	or				C204	VCQYTA1HM223K	J	0.022	50V	Mylar
D708	VHD1SS244//1				C205	VCKYP1A1HB103K	J	0.01	50V	Ceramic
	RH-DX0475CEZZ	J	Diode	AB	C206	VCKYCY1HB102K	J	1000p	50V	AA
	or				C207	VCEA0A1CW476M	J	47	16V	EL.
△ D709	VHD1SS244//1				C208	VCKYCY1HF103Z	J	0.01	50V	AA
	RH-DX0229CEZZ	J	Diode	AF	C209	VCEA0A1HW105M	J	1.0	50V	EL.
△ D712	RH-DX0487CEZZ	J	Diode	AC	C210	VCEA0A1HW474M	J	0.47	50V	EL.
	or				C211	VCKYCY1HB102K	J	1000p	50V	Ceramic
	RH-DX0302CEZZ					(IC201:iX3354CEZZ)				
	or				C212	VCEA0A1HW474M	J	0.47	50V	AB
	RH-DX0468CEZZ				C220	VCKYCY1CB104K	J	0.1	16V	Ceramic
	or				C301	VCCCCY1HH470J	J	47p	50V	AA
	VHDD1NS4//1					(IC201:iX3354CEZZ)				
D717	RH-EX0616GEZZ	J	Zener Diode, 5.6V	AA	C302	VCKYCY1HB102K	J	1000p	50V	Ceramic
△ D725	RH-DX0131CEZZ	J	Diode	AC						

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code						
PWB-A: DUNTKA358WEW0 (19R-M100) PWB-A: DUNTKA358WEW1 (19R-M100S) MAIN UNIT (Continued)															
C304	VCCCCY1HH470J	J 47p	50V Ceramic (IC201:iX3354CEZZ)	AA	C726	RC-KZ0338CEZZ	J 560p	2kV Ceramic	AD						
C304	VCCCCY1HH220J	J 22p	50V Ceramic (IC201:iX3354CEN1)	AA	△ C727	VCKYPA2HB472K	J 4700p	500V Ceramic	AB						
C305	VCKYCY1HB103K	J 0.01	50V Ceramic	AA	△ C730	VCEA0A1CW108M	J 1000	16V EL.	AD						
C306	VCQYTA1HM103K	J 0.01	50V Mylar	AB	△ C731	VCEA0A1EW107M	J 100	25V EL.	AC						
C354	VCEA0A1HW225M	J 2.2	50V EL.	AB	C732	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA						
C356	VCKYCY1HB332K	J 3300p	50V Ceramic	AA	C735	VCCCPA1HH680J	J 68p	50V Ceramic	AA						
C357	VCEA0A1HW106M	J 10	50V EL.	AB	C737	VCEA0A1EW226M	J 22	25V EL.	AB						
C358	VCEA0A1HW106M	J 10	50V EL.	AB	C738	RC-KZ0040CEZZ	J 820p	2kV Ceramic	AD						
C361	VCEA0A1CW227M	J 220	16V EL.	AC	or RC-KZ0340CEZZ										
C401	VCCCCY1HH470J	J 47p	50V Ceramic	AA	C739	VCEA0A1HW104M	J 0.1	50V EL.	AB						
C411	VCEA0A1AW108M	J 1000	10V EL.	AC	C740	VCEA0A1EW476M	J 47	25V EL.	AB						
C412	VCKYCY1HB103K	J 0.01	50V Ceramic	AA	C743	RC-KZ0338CEZZ	J 560p	2kV Ceramic	AD						
C414	VCEA0A1HW225M	J 2.2	50V EL.	AB	C750	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA						
C416	VCEA0A1HW105M	J 1.0	50V EL.	AB	C752	VCEA0A1CW476M	J 47	16V EL.	AB						
C418	VCKYCY1HB103K	J 0.01	50V Ceramic	AA	C753	RC-KZ0338CEZZ	J 560p	2kV Ceramic	AD						
C421	VCEA0A1HW106M	J 10	50V EL.	AB	C754	VCEA0A1CW476M	J 47	16V EL.	AB						
C451	VCQYTA1HM563K	J 0.056	50V Mylar	AB	C758	VCEA0A2EW106M	J 10	250V EL.	AD						
C454	VCEA0A1HW475M	J 4.7	50V EL.	AB	C759	VCKYPA2HB102K	J 1000p	500V Ceramic	AA						
C455	VCEA0A1CW226M+J	J 22	16V EL.	AB	C760	VCEA0A1CW108M	J 1000	16V EL.	AD						
C456	VCEA0A1HW475M	J 4.7	50V EL.	AB	C771	VCEA0A1CW476M	J 47	16V EL.	AB						
C509	VCKYPA2HB102K	J 1000p	500V Ceramic	AA	C772	VCEA0A1CW476M	J 47	16V EL.	AB						
C510	VCEA0A1VW477M	J 470	35V EL.	AB	C783	VCQYTA1HM103K	J 0.01	50V Mylar	AB						
C512	VCFYSA1JB224J	X 0.22	63V Mylar	AF	C801	VCCCCY1HH180J	J 18p	50V Ceramic	AA						
C513	VCFYSA1JB473J	J 0.047	63V Mylar	AC	C802	VCEA0A1CW106M	J 10	16V EL.	AB						
C514	VCEA0A1EW477M	J 470	25V EL.	AD	(IC201:iX3354CEN1)										
C515	VCEA0A1HW475M	J 4.7	50V EL.	AB	C807	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA						
C516	VCKYCY1HB222K	J 2200p	50V Ceramic	AA	C808	VCEA0A1CW106M	J 10	16V EL.	AB						
C517	VCEA0A1CW226M	J 22	16V EL.	AB	C811	VCKYCY1CB473K	J 0.047	16V Ceramic	AA						
C520	VCEA0A1HW107M	J 100	50V EL.	AB	C812	VCEA0A1HW474M	J 0.47	50V EL.	AB						
C530	VCFYFA1HA334J	J 0.33	50V Mylar	AB	C901	VCEA0A1HW105M	J 1.0	50V EL.	AB						
C531	VCFYFA1HA564J	J 0.56	50V Mylar	AB	C905	VCEA0A1HW106M	J 10	50V EL.	AB						
C606	VCKYPA2HB561K	J 560p	500V Ceramic	AA	C2001	VCCCCY1HH101J	J 100p	50V Ceramic	AA						
C607	VCKYPA1HB472K	J 4700p	50V Ceramic	AA	C2002	VCCCCY1HH101J	J 100p	50V Ceramic	AA						
▲△ C610	VCFPVC3CA772H	J 7700p	1.6kV M-Poly. (19R-M100)	AE	C2040	VCEA0A1AW107M	J 100	10V EL.	AB						
▲△ C610	VCFPVC3CA802H	X 8000p	1.6kV M-Poly. (19R-M100S)	AF	C2041	VCEA0A1HW105M	J 1.0	50V EL.	AB						
C612	VCFPVC2DB474J	J 0.47	200V M-Poly.	AE	C2060	VCKYCY1CB104K	J 0.1	16V Ceramic	AB						
C633	VCEA0A1AW337M	X 330	10V EL.	AE	C2061	VCKYCY1HB222K	J 2200p	50V Ceramic	AA						
C634	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C2062	VCEA0A1AW107M	J 100	10V EL.	AB						
C635	VCEA0A1HW105M	J 1.0	50V EL.	AB	C2201	VCKYCY1HB682K	J 6800p	50V Ceramic	AA						
C636	VCQYTA1HM153K	J 0.015	50V Mylar	AA	C2202	VCCCCY1HH560J	J 56p	50V Ceramic	AA						
C637	VCEA0A1CW476M	J 47	16V EL.	AB	C2601	VCEA0A1HW475M	J 4.7	50V EL.	AB						
C652	VCEA0A1HW475M	J 4.7	50V EL.	AB	C2602	VCCCCY1HH101J	J 100p	50V Ceramic	AA						
C653	VCEA0A1HW105M	J 1.0	50V EL.	AB	RESISTORS										
C661	VCKYPA2HB152K	J 1500p	500V Ceramic	AA	RJ2	[M-Ox... Metal Oxide, M-Film ... Metal Film]									
C662	VCEA0A1CW477M	J 470	16V EL.	AC	RJ7	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA						
△ C701	RC-FZ036SCEZZ	J 0.1	250V M-Poly.	AC	RJ8	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA						
or RC-FZ008SGEZZ					RJ9	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA						
or RC-FZ016SCEZZ					RJ10	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA						
or RC-FZ028SCEZZ					RJ12	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA						
or RC-FZ029CUMZZ					RJ18	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA						
C702	RC-KZ0029CEZZ	J 0.01	AC250V Ceramic	AC	RJ19	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA						
C703	RC-KZ0029CEZZ	J 0.01	AC250V Ceramic	AC	RJ20	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA						
△ C705	RC-EZ1022CEZZ	J 470	200V EL.	AK	△ R53	VRS-RG3LB223J	X 22k	3W M-Ox.	AF						
or RC-EZ0609CEZZ					R54	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA						
or RC-EZ0629CEZZ					R55	VRS-CY1JF101J	J 100	1/16W M-Ox.	AA						
△ C706	RC-KZ0092GEZZ	J 0.0033	AC250V Ceramic	AC	R56	VRS-CY1JF823J	J 82k	1/16W M-Ox.	AA						
or RC-KZ021SCEZZ					R57	VRD-RA2BE563J	J 56k	1/8W Carbon	AA						
C717	VCKYPA2HB472K	J 4700p	500V Ceramic	AB	R101	VRD-RA2BE152J	J 1.5k	1/8W Carbon	AA						
△ C723	RC-EZ0638CEZZ	J 33	160V EL.	AG	R201	VRS-CY1JF221J	J 220	1/16W M-Ox.	AA						
△ C725	RC-EZ0724CEZZ	J 100	160V EL.	AG	R202	VRS-CY1JF122J	J 1.2k	1/16W M-Ox.	AA						
or (IC201:iX3354CEZZ)					R203	VRS-CY1JF682J	J 6.8k	1/16W M-Ox.	AA						
or (IC201:iX3354CEN1)					R204	VRS-CY1JF270J	J 27	1/16W M-Ox.	AA						
or (IC201:iX3354CEZZ)					R205	VRD-RA2BE680J	J 68	1/8W Carbon	AA						
or (IC201:iX3354CEN1)					R206	VRD-RA2BE151J	J 150	1/4W Carbon	AA						
or (IC201:iX3354CEZZ)					R207	VRD-RA2BE123J	J 12k	1/8W Carbon	AA						
or (IC201:iX3354CEN1)					R208	VRS-CY1JF332J	J 3.3k	1/16W M-Ox.	AA						
or (IC201:iX3354CEZZ)					R209	VRS-CY1JF123J	J 12k	1/16W M-Ox.	AA						
or (IC201:iX3354CEN1)					R209	VRS-CY1JF000J	J 0	1/16W M-Ox.	AA						
or (IC201:iX3354CEZZ)					R210	VRS-CY1JF104J	J 100k	1/16W M-Ox.	AA						

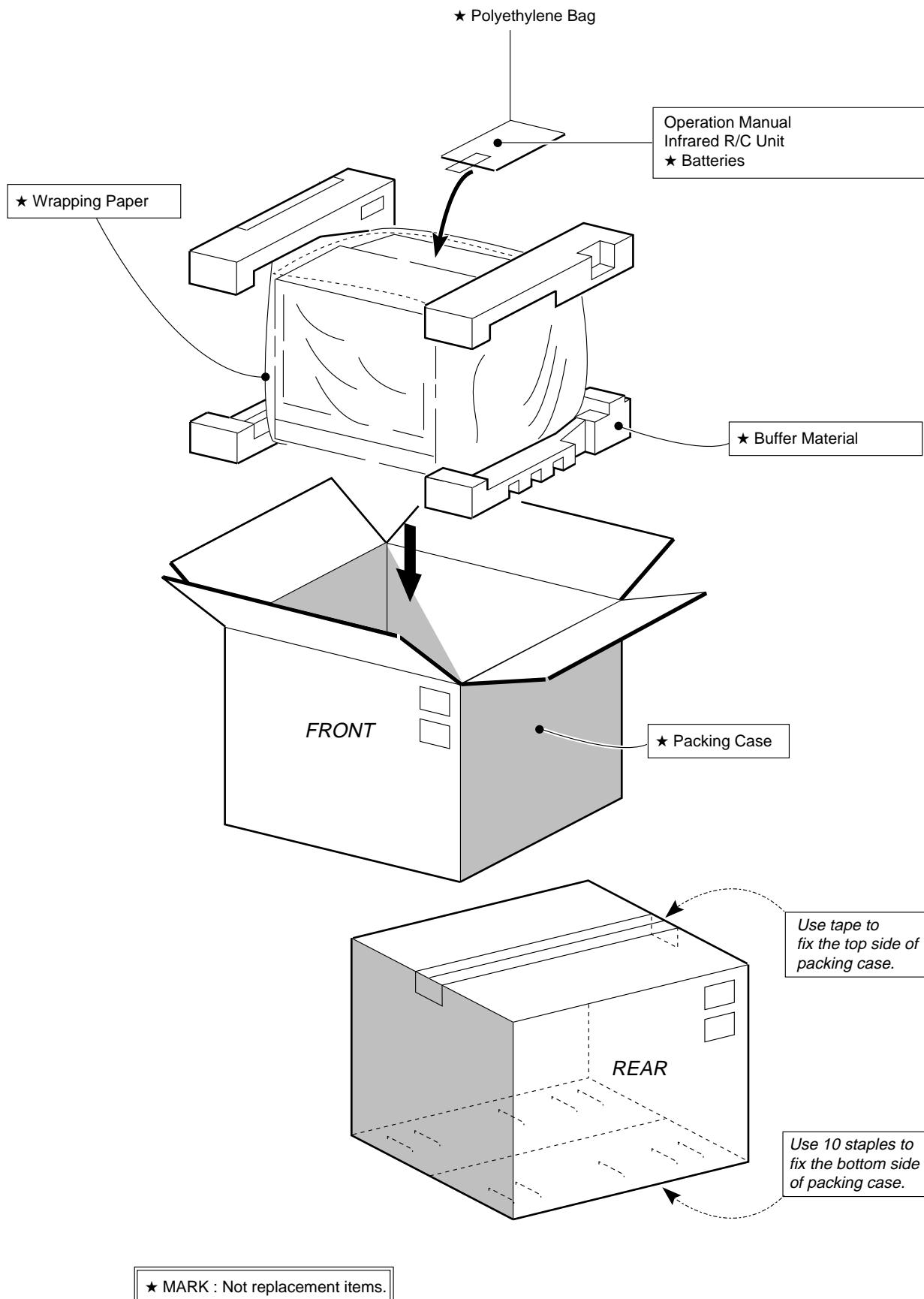
Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code																																																																																																																																																																																																																																																																																																																																																																			
PWB-A: DUNTKA358WEW0 (19R-M100) PWB-A: DUNTKA358WEW1 (19R-M100S) MAIN UNIT (Continued)																																																																																																																																																																																																																																																																																																																																																																												
R211	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA	▲ R654	VRD-RA2BE154J	J	150k 1/8W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R212	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA	▲ R655	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R215	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA	▲ R659	VRN-RL3AB1R0J	X	1.0 1W M-Film (19R-M100S)	AE																																																																																																																																																																																																																																																																																																																																																																			
R220	VRS-CY1JF331J	J	330 1/16W M-Ox.	AA	▲ R659	VRN-RL3AB3R3J	X	3.3 1W M-Film (19R-M100) (CRT:A48JLL40X)	AE																																																																																																																																																																																																																																																																																																																																																																			
R301	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	or		VRN-VV3AB2R2J	J	2.2 1W M-Film (19R-M100) (CRT:A48KZL70X)	AA																																																																																																																																																																																																																																																																																																																																																																		
R302	VRS-CY1JF332J	J	3.3k 1/16W M-Ox. (IC201:iX3354CEZZ)	AA	▲ R661	VRN-RL3ABR47J	X	0.47 1W M-Film	AE																																																																																																																																																																																																																																																																																																																																																																			
R302	VRS-CY1JF152J	J	1.5k 1/16W M-Ox. (IC201:iX3354CEN1)	AA	▲ R662	VRD-RA2BE102G	J	1.0k 1/8W Carbon	AB																																																																																																																																																																																																																																																																																																																																																																			
R353	VRD-RA2BE683J	J	68k 1/8W Carbon	AA	▲ R702	RR-DZ0049CEZZ	J	3.9 1/2W Carbon	AB																																																																																																																																																																																																																																																																																																																																																																			
R354	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	▲ R703	VRW-KP3HC1R8K	J	1.8 5W Cement	AC																																																																																																																																																																																																																																																																																																																																																																			
R355	VRD-RA2BE223J	J	22k 1/8W Carbon	AA	R705	VRN-RL3ABR39J	X	0.39 1W M-Film	AE																																																																																																																																																																																																																																																																																																																																																																			
R357	VRS-CY1JF822J	J	8.2k 1/16W M-Ox.	AA	R706	VRN-RL3ABR39J	X	0.39 1W M-Film	AE																																																																																																																																																																																																																																																																																																																																																																			
R401	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R707	VRD-RM2HD270J	J	27 1/2W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R402	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R708	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R403	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R710	VRS-RG2HC102J	J	1.0k 1/2W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R404	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	R711	VRS-CY1JF334J	J	330k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R411	VRS-CY1JF684J	J	680k 1/16W M-Ox.	AA	R712	VRD-RA2BE100J	J	10 1/8W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R412	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R713	VRS-RG2HC122J	X	1.2k 1/2W M-Ox.	AE																																																																																																																																																																																																																																																																																																																																																																			
R413	VRS-CY1JF152J	J	1.5k 1/16W M-Ox. (IC201:iX3354CEZZ)	AA	R715	VRD-RA2BE150J	J	15 1/8W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R413	VRS-CY1JF222J	J	2.2k 1/16W M-Ox. (IC201:iX3354CEN1)	AA	R716	VRS-RG3AB121J	X	120 1W M-Ox.	AE																																																																																																																																																																																																																																																																																																																																																																			
R414	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA	R721	VRD-RM2HD124J	J	120k 1/2W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R421	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R723	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
▲ R451	VRS-RG2HC103J	J	10k 1/2W M-Ox.	AA	R725	VRS-RG2HC821J	X	820 1/2W M-Ox.	AE																																																																																																																																																																																																																																																																																																																																																																			
R453	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA	R733	VRD-RA2EE394J	J	390k 1/4W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R454	VRD-RA2EE334J	J	330k 1/4W Carbon	AA	R736	VRD-RM2HD184J	J	180k 1/2W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R455	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA	R739	VRD-RM2HD332J	J	3.3k 1/2W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R456	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R740	VRD-RM2HD470J	J	47 1/2W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R457	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	R741	VRN-RA2BK682F	J	6.8k 1/8W M-Film	AA																																																																																																																																																																																																																																																																																																																																																																			
R458	VRD-RA2EE334J	J	330k 1/4W Carbon	AA	R751	VRD-RA2BE821J	J	820 1/8W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R460	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA	R752	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R461	VRS-CY1JF184J	J	180k 1/16W M-Ox.	AA	R755	VRD-RM2HD151J	J	150 1/2W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R462	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA	▲ R758	VRS-RG2HC100J	X	10 1/2W M-Ox.	AE																																																																																																																																																																																																																																																																																																																																																																			
R512	VRD-RM2HD102J	J	1.0k 1/2W Carbon	AA	▲ R773	VRS-RG3LB270J	X	27 3W M-Ox.	AF																																																																																																																																																																																																																																																																																																																																																																			
R513	VRD-RM2HD102J	J	1.0k 1/2W Carbon	AA	▲ R774	VRS-VU3LE680J	J	68 3W M-Ox.	AC																																																																																																																																																																																																																																																																																																																																																																			
R514	VRD-RM2HD1R0J	J	1.0 1/2W Carbon	AA	or		VRS-VV3LB680J																																																																																																																																																																																																																																																																																																																																																																					
R515	VRS-RG3AB391J	X	390 1W M-Ox.	AE	R516	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA	R801	VRD-RM2HD470J	J	47 1/2W Carbon	AA	R517	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R807	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA	R518	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	R808	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA	R519	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R809	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R520	VRD-RM2HD1R2J	J	1.2 1/2W Carbon (19R-M100S)	AA	R810	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R520	VRD-RM2HD1R5J	J	1.5 1/2W Carbon (19R-M100)	AA	R901	VRD-RA2BE101J	J	100 1/8W Carbon	AB	R522	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	R902	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA	R523	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA	R906	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R525	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA	R925	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA	R527	VRD-RA2BE223J	J	22k 1/8W Carbon (19R-M100)	AA	R961	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R528	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA	R962	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	R529	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA	R2001	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	▲ R604	VRS-RG3DB682J	X	6.8k 2W M-Ox.	AE	R2002	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R605	VRD-RA2BE121J	J	120 1/8W Carbon	AA	R2006	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R606	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	R2008	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA	▲ R607	VRS-RG3DB682J	X	6.8k 2W M-Ox.	AE	R2009	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	▲ R608	VRS-RG3DB391J	X	390 2W M-Ox.	AE	R2010	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	▲ R609	VRS-RG3AB562J	X	5.6k 1W M-Ox.	AE	R2012	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R610	VRD-RM2HD220J	J	22 1/2W Carbon	AA	R2016	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	▲ R611	VRS-KA3HG3R3K	J	3.3 5W M-Ox.	AD	R2018	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R622	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	R2020	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA	R623	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R2022	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	R624	VRN-RA2BK472F	J	4.7k 1/8W M-Film	AA	R2023	VRD-RA2BE223J	J	22k 1/8W Carbon	AA	R634	VRD-RM2HD121J	J	120 1/2W Carbon	AA	R2024	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	R635	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA	R2025	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	R636	VRD-RA2EE221J	J	220 1/4W Carbon	AA	R2026	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	▲ R641	VRS-RG3AB682J+	X	6.8k 1W M-Ox.	AE	R2027	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	▲ R651	VRD-RM2HD270J	J	27 1/2W Carbon	AA	R2028	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	▲ R653	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA	R2029	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA						R2032	VRD-RA2BE471J	J	470 1/8W Carbon	AA						R2033	VRS-CY1JF684J	J	680k 1/16W M-Ox.	AA						R2034	VRS-CY1JF684J	J	680k 1/16W M-Ox.	AA						R2040	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA						R2041	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA						R2042	VRD-RA2BE101J	J	100 1/8W Carbon	AB						R2043	VRD-RA2BE101J	J	100 1/8W Carbon	AB
R516	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA	R801	VRD-RM2HD470J	J	47 1/2W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R517	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	R807	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R518	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	R808	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R519	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R809	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R520	VRD-RM2HD1R2J	J	1.2 1/2W Carbon (19R-M100S)	AA	R810	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R520	VRD-RM2HD1R5J	J	1.5 1/2W Carbon (19R-M100)	AA	R901	VRD-RA2BE101J	J	100 1/8W Carbon	AB																																																																																																																																																																																																																																																																																																																																																																			
R522	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	R902	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R523	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA	R906	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R525	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA	R925	VRS-CY1JF104J	J	100k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R527	VRD-RA2BE223J	J	22k 1/8W Carbon (19R-M100)	AA	R961	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R528	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA	R962	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R529	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA	R2001	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
▲ R604	VRS-RG3DB682J	X	6.8k 2W M-Ox.	AE	R2002	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R605	VRD-RA2BE121J	J	120 1/8W Carbon	AA	R2006	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R606	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	R2008	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
▲ R607	VRS-RG3DB682J	X	6.8k 2W M-Ox.	AE	R2009	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
▲ R608	VRS-RG3DB391J	X	390 2W M-Ox.	AE	R2010	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
▲ R609	VRS-RG3AB562J	X	5.6k 1W M-Ox.	AE	R2012	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R610	VRD-RM2HD220J	J	22 1/2W Carbon	AA	R2016	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
▲ R611	VRS-KA3HG3R3K	J	3.3 5W M-Ox.	AD	R2018	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R622	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	R2020	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R623	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	R2022	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
R624	VRN-RA2BK472F	J	4.7k 1/8W M-Film	AA	R2023	VRD-RA2BE223J	J	22k 1/8W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R634	VRD-RM2HD121J	J	120 1/2W Carbon	AA	R2024	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R635	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA	R2025	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
R636	VRD-RA2EE221J	J	220 1/4W Carbon	AA	R2026	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
▲ R641	VRS-RG3AB682J+	X	6.8k 1W M-Ox.	AE	R2027	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
▲ R651	VRD-RM2HD270J	J	27 1/2W Carbon	AA	R2028	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
▲ R653	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA	R2029	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
					R2032	VRD-RA2BE471J	J	470 1/8W Carbon	AA																																																																																																																																																																																																																																																																																																																																																																			
					R2033	VRS-CY1JF684J	J	680k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
					R2034	VRS-CY1JF684J	J	680k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
					R2040	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
					R2041	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA																																																																																																																																																																																																																																																																																																																																																																			
					R2042	VRD-RA2BE101J	J	100 1/8W Carbon	AB																																																																																																																																																																																																																																																																																																																																																																			
					R2043	VRD-RA2BE101J	J	100 1/8W Carbon	AB																																																																																																																																																																																																																																																																																																																																																																			

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA358WEW0 (19R-M100) PWB-A: DUNTKA358WEW1 (19R-M100S) MAIN UNIT (Continued)									
R2044	VRS-CY1JF683J	J	68k 1/16W M-Ox.	AA	FH701	QFSHD1013CEZZ	J	Fuse Holder	AC
R2045	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	FH702	QFSHD1014CEZZ	J	Fuse Holder	AC
R2047	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA	J903	QJAKE0205CE09	J	Jack, Audio-In or	AD
R2048	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA	J905	QJAKE0159CEZZ or	J	Jack, Video-In	AD
R2049	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	QJAKE0158CEZZ				
R2060	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA	P302	QPLGN0261CEZZ	J	Plug, 2-pin(S)	AB
R2061	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA	P401	QPLGN0561CEZZ	J	Plug, 5-pin(GBN)	AB
R2062	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA	P601	QPLGN0660CEZZ	J	Plug, 6-pin(K)	AC
R2063	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	P651	QPLGN0361CEZZ	J	Plug, 3-pin(TP651-3)	AB
R2065	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA	P701	QPLGN0260CEZZ	J	Plug, 2-pin(M)	AC
R2066	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	P751	QPLGN0461CEZZ	J	Plug, 4-pin(YBN)	AB
R2067	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	P2001	QPLGN0561CEZZ	J	Plug, 5-pin(TP2001-5)	AB
R2068	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	RMC2601	RRMUCU0252CEZZ	X	R/C Receiver	AH
R2070	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	or				
R2072	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	RRMCU0232CEZZ				
R2101	VRS-CY1JF101J	J	100 1/16W M-Ox. (IC2101:M24C16B)	AA	HM602	LX-GZ3001PEZZ	J	Screw	AB
R2102	VRS-CY1JF101J	J	100 1/16W M-Ox. (IC2101:M24C16B)	AA	HM604	LX-GZ3001PEZZ	J	Screw	AB
R2103	VRD-RA2BE101J	J	100 1/8W Carbon (IC2102:BR2416E2)	AB	HM612	LX-GZ3001PEZZ	J	Screw	AB
R2104	VRD-RA2BE101J	J	100 1/8W Carbon (IC2102:BR2416E2)	AB	HM613	LX-GZ3002PEZZ	J	Screw	AB
R2201	VRD-RA2BE103J	J	10k 1/8W Carbon	AA	HM614	LX-GZ3002PEZZ	J	Screw	AB
R2202	VRD-RA2BE473J	J	47k 1/8W Carbon	AA	HM726	LX-GZ3002PEZZ	J	Screw	AB
R2203	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA	HM740	LX-GZ3002PEZZ	J	Screw	AB
R2211	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA	HM741	LX-GZ3002PEZZ	J	Screw	AB
R2212	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA	HM742	LX-GZ3002PEZZ	J	Screw	AB
R2213	VRD-RA2BE223J	J	22k 1/8W Carbon	AA	RDA501	PRDAR0297PEFW	J	Heat Sink, for IC501	AD
R2401	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	RDA602	PRDAR0216PEFW	J	Heat Sink, for Q602	AE
R2402	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	RDA701	PRDAR0026PEFW	J	Heat Sink, for Q701	AD
R2403	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA	LX-BZ3100CEFD	J	Screw	AA	
R2404	VRS-CY1JF101J	J	100 1/16W M-Ox.	AA					
R2501	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA					
R2503	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA					
R2504	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA					
R2505	VRS-CY1JF563J	J	56k 1/16W M-Ox.	AA					
R2506	VRS-CY1JF563J	J	56k 1/16W M-Ox.	AA					
R2507	VRS-CY1JF823J	J	82k 1/16W M-Ox.	AA					
R2508	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA					
R2509	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA					
R2601	VRD-RA2BE331J	J	330 1/8W Carbon	AA					
SWITCHES									
S2501	QSW-K0202PEZZ	J	Power	AC					
	or		QSW-K0079GEZZ						
S2502	QSW-K0202PEZZ	J	VOL-Down	AC					
	or		QSW-K0079GEZZ						
S2503	QSW-K0202PEZZ	J	VOL-Up	AC					
	or		QSW-K0079GEZZ						
S2504	QSW-K0202PEZZ	J	CH-Down	AC					
	or		QSW-K0079GEZZ						
S2505	QSW-K0202PEZZ	J	CH-Up	AC					
	or		QSW-K0079GEZZ						
MISCELLANEOUS PARTS									
△ F701	QFS-B4023CEZZ	J	Fuse 4A/125V	AC					
	or		QFS-B0421GEZZ						
FB351	RBLN-0047CEZZ	J	Ferrite Bead	AB					
	or		RBLN-0091GEZZ						
FB601	RBLN-0047CEZZ	J	Ferrite Bead	AB					
FB2002	RBLN-0037CEZZ	J	Ferrite Bead	AB					
	or		RBLN-0091GEZZ						

Ref. No.	Part No.	★	Description	Code
PWB-B: DUNTKA359WEW0 (19R-M100)				
PWB-B: DUNTKA359WEW1 (19R-M100S)				
CRT UNIT				
TRANSISTORS				
Q852	VSBF422///-1 or VS2SC2229O/1E	J BF422		AC
Q854	VSBF422///-1 or VS2SC2229O/1E	J BF422		AC
Q856	VSBF422///-1 or VS2SC2229O/1E	J BF422		AC
Q881	VS2SA1266-Y-1 or VS2SA1015-Y-1	J 2SA1266-Y		AA
DIODES				
D882	RH-DX0475CEZZ	J Diode		AB
D885	RH-DX0475CEZZ	J Diode		AB
COIL				
L852	VP-MK820K0000	J Peaking 82μH		AB
CAPACITORS				
<i>[EL... Electrolytic]</i>				
C851	VCCCCY1HH151J	J 150p 50V Ceramic		AA
C852	VCCCCY1HH151J	J 150p 50V Ceramic		AA
C853	VCCSPA1HL151J	J 150p 50V Ceramic		AA
C854	RC-KZ0029CEZZ or RC-KZ0160CEZZ	J 0.01 1.4kV Ceramic		AC
C883	VCEA0A1CW336M	J 33 16V EL.		AB
RESISTORS				
<i>[M-Ox... Metal Oxide]</i>				
R851	VRS-CY1JF470J	J 47 1/16W M-Ox. (19R-M100S)		AA
R852	VRD-RA2BE181J	J 180 1/8W Carbon		AA
R853	VRS-CY1JF121J	J 120 1/16W M-Ox.		AA
△ R857	VRS-VU3AE123J	J 12k 1W M-Ox.		AB
R858	VRD-RM2HD332J	J 3.3k 1/2W Carbon		AA
R859	VRS-CY1JF470J	J 47 1/16W M-Ox. (19R-M100S)		AA
R860	VRD-RA2BE181J	J 180 1/8W Carbon		AA
R861	VRS-CY1JF121J	J 120 1/16W M-Ox.		AA
△ R865	VRS-VU3AE123J	J 12k 1W M-Ox.		AB
R866	VRD-RM2HD332J	J 3.3k 1/2W Carbon		AA
R867	VRS-CY1JF470J	J 47 1/16W M-Ox.		AA
R868	VRS-CY1JF181J	J 180 1/16W M-Ox.		AA
R869	VRS-CY1JF121J	J 120 1/16W M-Ox.		AA
△ R873	VRS-VU3AE123J	J 12k 1W M-Ox.		AB
R874	VRD-RM2HD332J	J 3.3k 1/2W Carbon		AA
R881	VRS-CY1JF561J	J 560 1/16W M-Ox.		AA
R882	VRS-CY1JF391J	J 390 1/16W M-Ox.		AA
R883	VRD-RA2BE561J	J 560 1/8W Carbon		AA
R884	VRS-CY1JF152J	J 1.5k 1/16W M-Ox.		AA
R886	VRS-CY1JF821J	J 820 1/16W M-Ox.		AA
R887	VRD-RA2BE470J	J 47 1/8W Carbon		AA
R890	VRS-CY1JF470J	J 47 1/16W M-Ox. (19R-M100)		AA
R891	VRS-CY1JF470J	J 47 1/16W M-Ox. (19R-M100)		AA
MISCELLANEOUS PARTS				
P851	QPLGN0561CEZZ	J Plug, 5-pin(GBN)		AB
P852	QPLGN0461CEZZ	J Plug, 4-pin(YBN)		AB
SC851	QSOCV0933CEZZ or QSOCV0016PEZZ	J CRT Socket (19R-M100S)		AH
SC852	QSOCV0840CEZZ or QSOCV0841CEZZ	J CRT Socket (19R-M100)		AK

Ref. No.	Part No.	★	Description	Code
MISCELLANEOUS PARTS				
△ ACC701 QACCD3064CESA J AC Cord or QACCD3090CESA				
AM				
SP1 QACCD3060CESA VSP0080PBP7YA X Speaker, 32 ohm QCNW-2111PEZZ J Connecting Cord QCNW-2112PEZZ J Connecting Cord QCNW-2160PEZZ J Connecting Cord TCAUS3000GJZZ X Caution Card TLABM0002GJZZ X Label TLABZ0109GJZZ X Label				
AL AF AG AB AB				
SUPPLIED ACCESORIES				
RRMCG1324CESA R Infrared R/C Unit TINS-7320GJZZ X Operation Manual TGAN-0001GJZZ X Guarantee Card				
AT AD AB				
PACKING PARTS <i>(NOT REPLACEMENT ITEM)</i>				
SPAkc0198GJZZ — Packing Case(19R-M100) SPAkc0199GJZZ — Packing Case(19R-M100S) SPAkp0102GJZZ — Wrapping Paper SPAkf0101GJZZ — Packing Material SPAkx0003GJZZ — Buffer Material SSAKA0101GJZZ — Polyethylene Bag				
CABINET PARTS				
1 CCABA0108WEH3 X Front Cabinet Ass'y Not Available — Front Cabinet 1-1 GCOVA0003GJSA X Cover for R/C 1-2 HDBGB1001GJSB X Badge, "SHARP" 1-3 JBTN-0003GJSA X Button(Power, Vol-up/down, CH-up/down)				
AY — AG AF AH				
2 GCABB0109GJKA X Rear Cabinet				
AW				

PACKING OF THE SET



SHARP

COPYRIGHT © 2001 BY SHARP CORPORATION

ALL RIGHTS RESERVED.

No part of this publication may be reproduced,
stored in a retrieval system, or transmitted in
any form or by any means, electronic, mechanical,
photocopying, recording, or otherwise, without
prior written permission of the publisher.