

CHAPTER 1. IMPORTANT SERVICE SAFETY PRECAUTION

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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 trouble shooting 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)

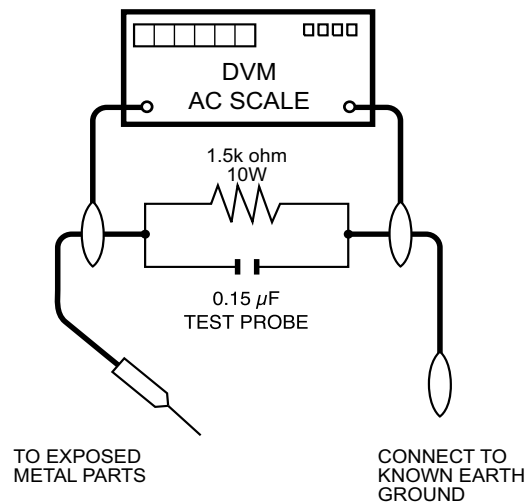
Before returning the receiver to the user, perform the following safety checks.

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, 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 110~220 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 μ 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, 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, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " \triangle " 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.

CHAPTER 2. LOCATION OF USER'S CONTROL

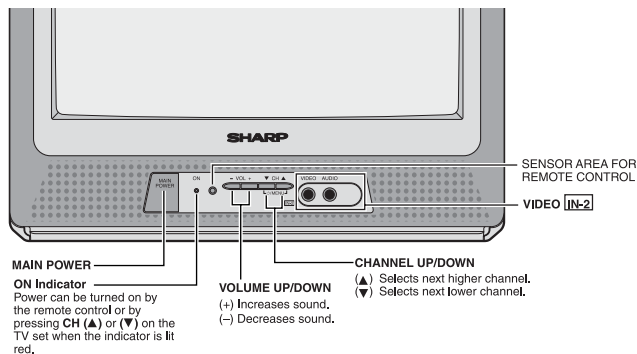
[1] LOCATION OF USER'S CONTROL

LOCATION OF USER'S CONTROL

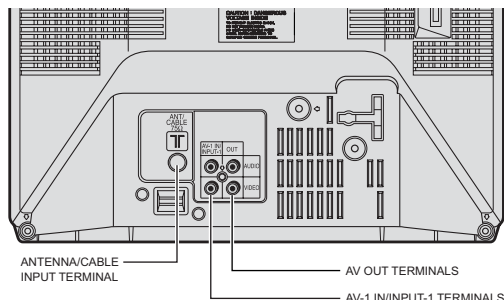
Quick Reference Control Operation

■ Location of Controls

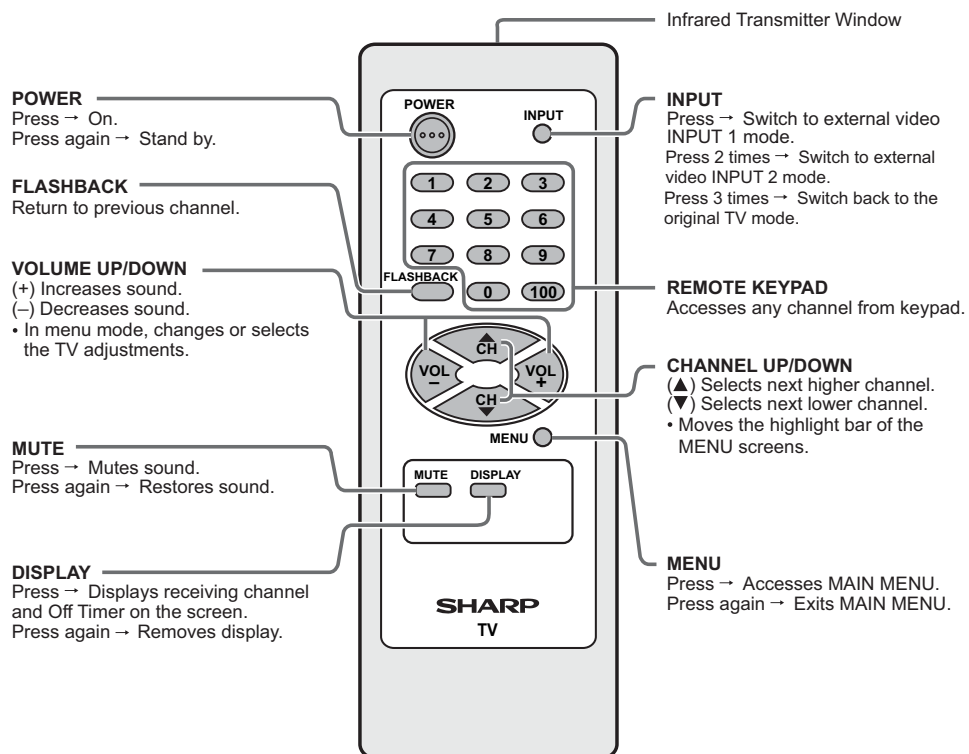
Front Panel



Rear Panel



Basic Remote Control Functions



CHAPTER 3. INSTALLATION AND SERVICE INSTRUCTIONS

[1] INSTALLATION AND SERVICE INSTRUCTIONS

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 3.15A 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 110~220V 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 C602 +ve Terminal and make sure that the voltmeter reads $20 \pm 1.1V$.
5. Apply external 27V DC at C602 +VE Terminal by using an external DC supply, TV must shut off.
6. To reset the protector, unplug the AC cord and remove external 27V DC at C602 +VE Terminal. 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 110~220V AC line voltage, with a strong air signal or a properly tuned in test signal.
3. Enter the service mode and set Y-mute ON by using Service R/C.
4. The voltage should be approximately 24KV (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.

CHAPTER 5. ADJUSTMENT METHOD

[1] ADJUSTMENT METHOD

ADJUSTMENT PRECAUTIONS

This model's setting are adjusted in two different ways: through the I2C bus control and in the conventional analog manner. The adjustments via the I2C bus control include preset-only items and variable data.

1. Setting the service mode by the microprocessor.

- (a) Press and hold the local key "VOL DOWN" & "CH UP" and power on the main switch, TV will enter into the SERVICE MODE. Or Key in service key of 40 (HEX) will enter the service mode. The initial value of EEPROM are automatically preset when new EEPROM is used. However, after the 1st time it will not be able to preset unless do the procedure in section 2 as below.
- (b) Press the CH DOWN / UP key on the remote controller to select the setting items one by one.
- (c) Using the VOLUME UP/ DOWN key on the remote controller, the data can be modified.
- (d) When press the local key "VOL DOWN" & "CH UP" at the same time or press service key 40 (HEX), it will be released from the service mode.

2. Factory Presetting.

- (1) Press remote controller key of code "B7" for 4 seconds, the initial values are automatically preset.
- (2) The initial data are preset as listed in page 2 until 7.
- (3) Please modify the bus setup data.

Precaution: If haven't done this initialization, malfunction might be happen.

3. For reference, please check with memory map RH-IXC227WJZZQ (See Attachment)

There is three stage of Service Mode data

First stage data from V01 ~ V35

to go into second stage of service mode data, press MENU key

Second stage data from 008 ~ 1FF

Below is the contents of these data

Adjustment Mode Items

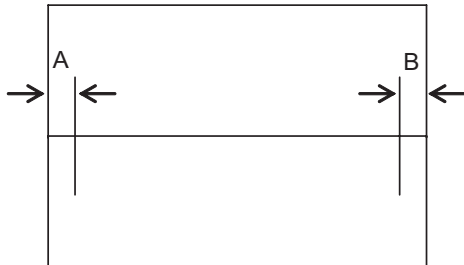
| Item | Setting Item | Setting Range | IC | Default | Setting Data (DEC) |
|------|--------------|---------------|--------|---------|-----------------------|
| 01 | RF-AGC | 0...63 | UOC-TV | 23 | 23 |
| 02 | V-SLOPE | 0...63 | UOC-TV | 31 | 31 |
| 03 | S-COR | 0...63 | UOC-TV | 16 | 16 |
| 04 | DRI-RS | 0...63 | UOC-TV | 32 | 32 |
| 05 | DRI-GS | 0...63 | UOC-TV | 32 | 32 |
| 06 | DRI-BS | 0...63 | UOC-TV | 32 | 32 |
| 07 | CUT-RS | 0...63 | UOC-TV | 16 | 16 |
| 08 | CUT-GS | 0...63 | UOC-TV | 16 | 16 |
| 09 | CUT-BS | 0...63 | UOC-TV | 16 | 16 |
| 10 | SUB-BRI | 0...63 | UOC-TV | 32 | 32 |
| 11 | SUB-CON | 0...63 | UOC-TV | 25 | 45 (BUS SETUP) |
| 12 | SUB-COL | 0...63 | UOC-TV | 10 | 10 |
| 13 | SUB-TINT | 0...63 | UOC-TV | 36 | 36 |
| 14 | SUB-SHARP | 0...63 | UOC-TV | 32 | 32 |
| 15 | DRI-RW | 0...63 | UOC-TV | 38 | 38 |
| 16 | DRI-GW | 0...63 | UOC-TV | 32 | 32 |
| 17 | DRI-BW | 0...63 | UOC-TV | 19 | 19 |
| 18 | DRI-RLW | 0...63 | UOC-TV | 33 | 33 |
| 19 | DRI-GLW | 0...63 | UOC-TV | 32 | 32 |
| 20 | DRI-BLW | 0...63 | UOC-TV | 25 | 25 |
| 21 | DRI-RC | 0...63 | UOC-TV | 32 | 32 |
| 22 | DRI-GC | 0...63 | UOC-TV | 32 | 32 |
| 23 | DRI-BC | 0...63 | UOC-TV | 37 | 37 |
| 24 | DRI-RLC | 0...63 | UOC-TV | 32 | 32 |
| 25 | DRI-GLC | 0...63 | UOC-TV | 32 | 32 |
| 26 | DRI-BLC | 0...63 | UOC-TV | 34 | 34 |
| 27 | V-SHI-60 | 0...63 | UOC-TV | 32 | 32 |
| 28 | V-AMP-60 | 0...63 | UOC-TV | 32 | 32 |
| 29 | H-SHI-60 | 0...63 | UOC-TV | 45 | 45 |
| 30 | VSD | 0/1 | UOC-TV | 0 | 0 |
| 31 | CUT OFF | 0...63 | UOC-TV | 27 | 27 |
| 32 | DCXO | 0...4 | UOC-TV | 2 | 1 |
| 33 | ISP MODE | 0/1 | UOC-TV | 0 | 0 |
| 34 | BLOC | 0...15 | UOC-TV | 6 | 6 |
| 35 | SUB-VOL | 0...60 | UOC-TV | 60 | 60 |

| | | | |
|------------------------|---|-------------------|------|
| MODEL NAME | 14T1-L | | |
| ADJUSTMENT ITEM | RF-AGC | | |
| ADJUSTMENT POSITION | 01 | STEP RANGE | 0-63 |
| CONTROL | I ² C CONTROL | | |
| PRE-ADJUST REQUIREMENT | BUS SET UP | | |
| CONTENT | US10CH HALF COLOR BAR | | |
| INPUT CONDITION | RF INPUT FIELD STRENGTH 56dBμV (FIX) | | |
| OUTPUT | TUNER AGC TERMINAL (JA352) OR CRT DISPLAY CONFIRMATION | | |
| ADJUSTMENT PROCEDURE | <p>(AT SELF ADJUSTMENT MODE)</p> <p>1.GO TO SERVICE MODE</p> <p>2.GO TO SERVICE DATA "RF-AGC" ITEM IN THE ADJUSTMENT, PRESS R/C TO OPERATE AUTO-AGC KEY AND CONFIRM THE OK DISPLAY ON THE SCREEN .</p> <p>3.BLUE DISPLAY WITH OK SIGN INDICATES THE ADJUSTMENT IS WORKING PROPERLY.</p> <p>(AT MANUAL ADJUSTMENT MODE)</p> <p>1. SELECT "RF-AGC" ITEM IN THE ADJUSTMENT MODE. ADJUST THE "RF-AGC" BUS DATA TO OBTAIN THE TUNER OUTPUT PIN DROP 0.1V~1.0V BELOW MAXIMUM VOLTAGE.</p> <p>2. CHANGE THE ANTENNA INPUT SIGNAL TO 63~67 dBμV, AND MAKE SURE THERE IS NO NOISE</p> <p>3. CHANGE THE ANTENNA INPUT SIGNAL TO 90~95 dBμV TO BE SURE THAT THERE IS NO CROSS MODULATION BEAT.</p> | | |
| | <p>[CHECKING CONFIRMATION]</p> <p>MAX - 0.1V dc</p> | | |
| HISTORY OF REVISION | SYMBOL | REVISED CONTENT . | |


| | | | |
|------------------------|---|-------------------|------|
| MODEL NAME | 14T1-L | | |
| ADJUSTMENT ITEM | V-SLOPE | | |
| ADJUSTMENT POSITION | 02 | STEP RANGE | 0~63 |
| CONTROL | I ² C CONTROL | | |
| PRE-ADJUST REQUIREMENT | BUS SET UP,CRT PURITY | | |
| CONTENT | US 4 CH LION HEAD | | |
| INPUT CONDITION | AC 220 V, RF INPUT, ZERO MAGNETIC FIELD | | |
| OUTPUT | CRT DISPLAY CONFIRMATION | | |
| ADJUSTMENT PROCEDURE | <p>ADJUST THE V-SLOPE BUS DATA UNTILL THE OVERSCAN BECOME AS SPECIFIED BELOW.</p> <p>CAUTION:- PLEASE AGING TV MORE THAN 10 MINUTES BEFORE ADJUSTMENT.</p> <div data-bbox="698 856 980 1052" data-label="Image"> </div> | | |
| | <p>[CHECKING CONFIRMATION]</p> <p>A = Out of spec B = OK C = Out of spec</p> | | |
| HISTORY OF REVISION | SYMBOL | REVISED CONTENT . | |

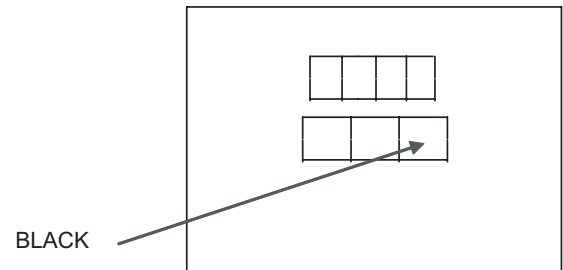
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|------------------------|--|-------------------|------|
| MODEL NAME | 14T1-L | | |
| ADJUSTMENT ITEM | V-SHIFT-60 | | |
| ADJUSTMENT POSITION | 27 | STEP RANGE | 0-63 |
| CONTOROL | I ² C CONTROL | | |
| PRE-ADJUST REQUIREMENT | BUS SET UP, CRT PURITY, V-SLOPE | | |
| CONTENT | US 4 CH LION HEAD (MONOSCOPE PATTERN) | | |
| INPUT CONDITION | AC 220 V, RF INPUT, ZERO MAGNETIC FIELD | | |
| OUTPUT | CRT DISPLAY CONFIRMATION | | |
| ADJUSTMENT PROCEDURE | ADJUST V-SHIFT BUS DATA TO HAVE A MOST ACCEPTABLE VERTICAL POSITION. THE MONOSCOPE PATTERN SHOULD BE BALANCE IN VERTICAL POSITION | | |
| | [CHECKING CONFIRMATION] | | |
| HISTORY OFREVISION | SYMBOL | REVISED CONTENT . | |

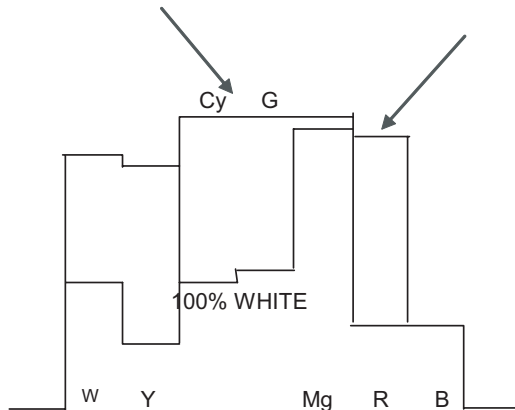
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|---------------------------|---|-------------------|------|
| MODEL NAME | 14T1-L | | |
| ADJUSTMENT ITEM | V-AMP-60 | | |
| ADJUSTMENT POSITION | 28 | STEP RANGE | 0~63 |
| CONTROL | I ² C CONTROL | | |
| PRE-ADJUST REQUIREMENT | BUS SET UP,CRT PURITY, V-SLOPE, V-SHIFT 60 | | |
| CONTENT | US 4 CH LION HEAD (MONOSCOPE PATTERN) | | |
| INPUT CONDITION | AC 220 V, RF INPUT, ZERO MAGNETIC FIELD | | |
| OUTPUT | CRT DISPLAY CONFIRMATION | | |
| ADJUSTMENT PROCEDURE | ADJUST THE V-AMP-60 BUS DATA UNTILL THE OVERSCAN BECOME AS SPECIFIED BELOW. | | |
| | [CHECKING CONFIRMATION] OVERSCAN 10 ± 2.5% | | |
| HISTORY OF REVISION | SYMBOL | REVISED CONTENT . | |

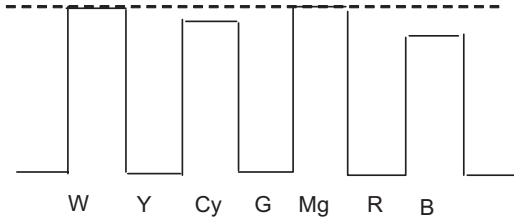
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|------------------------|---|-------------------|------|
| MODEL NAME | 14T1-L | | |
| ADJUSTMENT ITEM | H-SHIFT-60 | | |
| ADJUSTMENT POSITION | 29 | STEP RANGE | 0-63 |
| CONTROL | I2C BUS CONTROL | | |
| PRE-ADJUST REQUIREMENT | BUS SET UP,CRT-PURITY | | |
| CONTENT | US 4 CH LION HEAD (MONOSCOPE) | | |
| INPUT CONDITION | AC 220 V, RF INPUT, ZERO MAGNETIC FIELD | | |
| OUTPUT | CONFIRMATION BY CRT SCREEN | | |
| ADJUSTMENT PROCEDURE | 1.ADJUST THE H-SHIFT BUS DATA TO HAVE A BALANCE POSITION TO SPEC OF A=B | | |
| | <div></div> | | |
| | [CHECKING CONFIRMATION] LEFT AND RIGHT SYMMETRICAL | | |
| HISTORY OFREVISION | SYMBOL | REVISED CONTENT . | |

| | | | |
|------------------------|--|-------------------|---|
| MODEL NAME | 14T1-L | | |
| ADJUSTMENT ITEM | CRT CUT OFF ADJUSTMENT | | |
| ADJUSTMENT POSITION | 30 (VSD) | STEP RANGE | - |
| CONTROL | I2C CONTROL | | |
| PRE-ADJUST REQUIREMENT | BUS SET UP | | |
| CONTENT | AV MODE (WITHOUT SIGNAL) WITH BLUEBACK OFF | | |
| INPUT CONDITION | AC 220 V, AV INPUT | | |
| OUTPUT | CONFIRMATION ON CRT DISPLAY. | | |
| ADJUSTMENT PROCEDURE | 1) IN SERVICE MODE, SET CUT OFF TO 27, SUB-CON TO 45, SUB-BRI TO 32 AND DRI-RS, DRI-RS& DRI-BS TO 32; CUT-RS, CUT-GS & CUT-BS TO 16 , SWITCH TV TO VIDEO MODE, BLUE BACK OFF, WITHOUT SIGNAL. 2) GO TO ADJUSTMENT MODE ITEM VSD AND PRESS VOLUME UP AT R/C. ADJUST THE SCREEN VR OF FBT SO THAT CUT-OFF LINE APPEAR IN LOW BRIGHT, THEN JUDGE THAT WHETHER THE CUT-OFF LINE APPEAR IN RED OR GREEN OR BLUE COLOR. FIX THE CUT OFF DATA OF THE COLOR APPEAR IN CUT-OFF LINE AND USE R/C TO ADJUST THE OTHER TWO AMONG CUT-RS, CUT-GS & CUT-BS UNTIL COLOUR BECOME WHITE. 3)TURN THE SCREEN VR OF FBT SO THAT CUT-OFF LINE JUST DISAPPEAR. | | |
| | [CHECKING CONFIRMATION] | | |
| HISTORY OF REVISION | SYMBOL | REVISED CONTENT . | |

| | | | |
|------------------------|--|-------------------|------|
| MODEL NAME | 14T1-L | | |
| ADJUSTMENT ITEM | WHITE BALANCE | | |
| ADJUSTMENT POSITION | 4,5,6,7,8,9 | STEP RANGE | 0~63 |
| CONTROL | I2C BUS CONTROL | | |
| PRE-ADJUST REQUIREMENT | BUS SET UP,CRT PURITY, SCREEN | | |
| CONTENT | AV; W/B PATTERN 1 (PATTERN GENERATOR SX- 1006) | | |
| INPUT CONDITION | AC 220 V, AV INPUT | | |
| OUTPUT | CONFIRMATION ON CRT DISPLAY. | | |
| ADJUSTMENT PROCEDURE | <p>1)WHITE (HIGH BEAM) FIRST LET THE GUN POINT AT WHITE POSITION (AS DRAWING ATTACH), ADJ THE PATTERN GENERATOR UPPER VR UNTIL Y BECOME 150 cd/m². AFTER THAT, LET THE GUN POINT AT WHITE POSITION AGAIN AND ADJUST THE BUS DATA OF DRI-RS AND DRI-BS UNTLL THE AXIS OF COLOUR TEMPERATURE BECOME <u>X=0.273,Y=0.280</u>.</p> <p>2)DARK(LOW BEAM) LET THE GUN POINT AT DARK POSITION (AS DRAWING ATTACH),ADJUST THE PATTERN GENERATOR LOWER VR UNTIL Y BECOME 5 cd/m2. ADJUST THE TWO SERVICE DATA (AMONG CUT-RS, CUT-GS AND CUT-BS) WHICH HAVE CHOSEN AT CUT OFF ADJUSTMENT SO THAT TO OBTAIN THE SIMILAR AXIS OF COLOUR TEMPERATURE AS ABOVE. *FOR ADJUSTMENT IN 1 & 2, MUST ALWAYS MAINTAIN THE Y AT 150cd/m2 (WHITE) AND AT 5cd/m2 (DARK) WITH ADJUSTING THE UPPER AND LOWER VR OF PATTERN GENERATOR. **REPEAT STEP 1),2) TO GET A REGULATED LEVEL.</p> <div style="text-align: center;">  </div> <p>[CHECKING CONFIRMATION] X=0.273,Y=0.280 (11,600° K+1 MPCD)</p> | | |
| HISTORY OF REVISION | SYMBOL | REVISED CONTENT . | |

| | | | |
|------------------------|---|-------------------|------|
| MODEL NAME | 14T1-L | | |
| ADJUSTMENT ITEM | BLOC | | |
| ADJUSTMENT POSITION | 34 | STEP RANGE | 0~15 |
| CONTROL | I2C CONTROL | | |
| PRE-ADJUST REQUIREMENT | BUS SET UP, CUT OFF, WHITE BALANCE | | |
| CONTENT | AV; WINDOW PATTERN (PATTERN GENERATOR SX- 1006) | | |
| INPUT CONDITION | AC 220 V, AV INPUT | | |
| OUTPUT | CONFIRMATION ON CRT DISPLAY. | | |
| ADJUSTMENT PROCEDURE | <p>1)LET THE GUN POINT AT BLACK POSITION(AS ATTACH DRAWING), ADJUST BLOC BUS DATA UNTIL LUMINANCE $Y = 0.43\text{cd/m}^2 \pm 0.1$</p> <div data-bbox="860 772 1421 1039">  <p>BLACK</p> </div> | | |
| | [CHECKING CONFIRMATION] | | |
| HISTORY OF REVISION | SYMBOL | REVISED CONTENT . | |

| | | | |
|------------------------|---|-------------------|------|
| MODEL NAME | 14T1-L | | |
| ADJUSTMENT ITEM | SUB COLOUR | | |
| ADJUSTMENT POSITION | 12 | STEP RANGE | 0~63 |
| CONTROL | I ² C BUS CONTROL | | |
| PRE-ADJUST REQUIREMENT | BUS SET UP, RF-AGC, CUT OFF, WHITE BALANCE | | |
| CONTENT | US 10 CH HALF COLOR BAR PATTERN | | |
| INPUT CONDITION | AC 220 V, RF INPUT | | |
| OUTPUT | R-AMP TR BASE (JA801 OR TP851) CONFIRM WITH OSCILLOSCOPE | | |
| ADJUSTMENT PROCEDURE | 1)CONNECT THE OSCILLOSCOPE TO TP 851 RED TO OBTAIN WAVEFORM AS BELOW. 2)ADJUST THE 100% WHITE & RED PORTIONS OF COLOR BAR UNTIL THE SAME LEVEL | | |
| |  | | |
| | [CHECKING CONFIRMATION] | | |
| HISTORY OF REVISION | SYMBOL | REVISED CONTENT . | |

| | | | |
|--------------------------|--|-------------------|------|
| MODEL NAME | 14T1-L | | |
| ADJUSTMENT ITEM | SUB-TINT | | |
| ADJUSTMENT POSITION | 13 | STEP RANGE | 0~63 |
| CONTROL | I ² C CONTROL | | |
| PRE-ADJUST REQUIREMENT | BUS SET UP, RF-AGC, CUT OFF, WHITE BALANCE, SUB-COLOUR | | |
| CONTENT | US 10 CH HALF COLOR BAR PATTERN | | |
| INPUT CONDITION | AC 220 V, RF INPUT | | |
| OUTPUT | B-AMP TR BASE (JA810 OR TP853) CONFIRRM WITH OSCILLOSCOPE | | |
| ADJUSTMENT PROCEDURE | 1)RECEIVE THE US 10 CH HALF COLOR BAR PATTERN. 2)CONNECT THE OSCILLOSCOPE TO TP 853 BLUE OUT. Range : 100mV/ Div USE PROBE 10:1 SWEEP TIME : 10 usec/Div 3) SELECT THE "SUB-TINT" ITEM IN THE ADJUSTMENT MODE. ADJUST THE "SUB-TINT" DATA TO OBTAIN THE WAVEFORM AS SHOWN AS BELOW (W & MG SAME LEVEL) | | |
| | <div></div> | | |
| [CHECKING CONFIRMATION] | | | |
| HISTORY OFREVISION | SYMBOL | REVISED CONTENT . | |

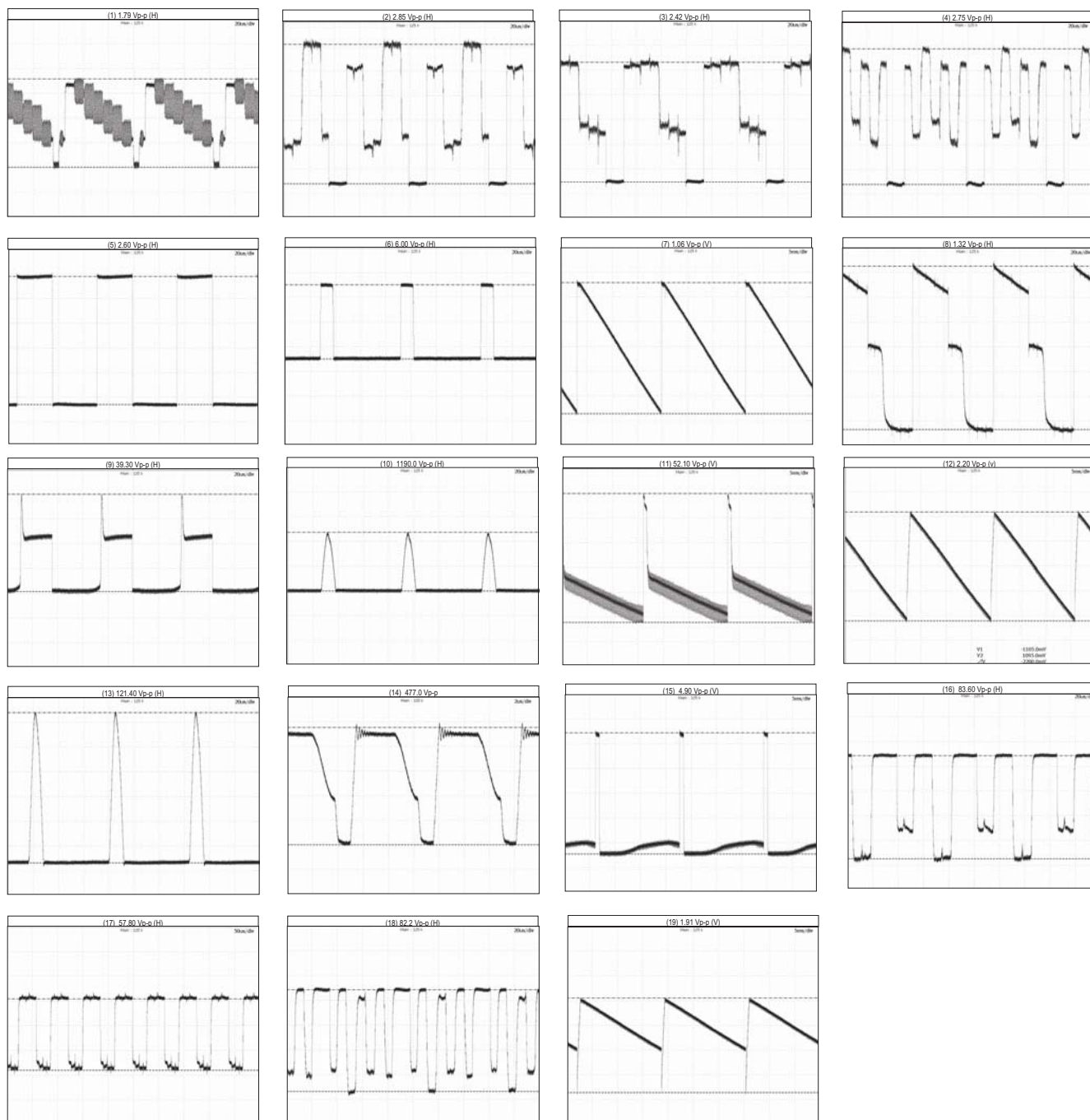
| MODEL NAME | 14T1-L | | | | | | | | | | | | | | | | | |
|------------------------|---|-----------------------------|---|-------|------------|-----------------------------|--------|----------------|-----|--|--|--|--|--|--|--|--|--|
| ADJUSTMENT ITEM | X-RAY PROTECTION OPERATING CONFIRMATION | | | | | | | | | | | | | | | | | |
| ADJUSTMENT POSITION | — | STEP RANGE | — | | | | | | | | | | | | | | | |
| CONTROL | — | | | | | | | | | | | | | | | | | |
| PRE-ADJUST REQUIREMENT | AFTER ALL ADJUSTMENT FINISHED. | | | | | | | | | | | | | | | | | |
| CONTENT | US 4 CH LION HEAD (MONOSCOPE PATTERN) | | | | | | | | | | | | | | | | | |
| INPUT CONDITION | AC 220V, RF INPUT | | | | | | | | | | | | | | | | | |
| OUTPUT | CONFIRMATION BY THE CRT | | | | | | | | | | | | | | | | | |
| ADJUSTMENT PROCEDURE | <p>[VOLTAGE CONFIRMATION] CHECK THE VOLTAGE OF C602 +VE TERMINAL AS SPECIFIED BELOW.</p> <p>[OPERATION CONFIRMATION] SUPPLY THE DC VOLTAGE (27V AS BELOW) TO C602 +VE TERMINAL AND MAKE SURE THE PROTECTOR IS FUNCTIONED , HORIZONTAL OSCILATION STOP AND PICTURE DISAPPEAR.</p> <p>[RECOVER INFORMATION] PULL OUT THE AC CORD .</p> <p>[CAUTION] FROM THE RECOVER CONFIRMATION MENTIONED ABOVE,THE AC CODE MUST BE PULLED OUT AT LEAST 5 SECONDS BEFORE PLUGGING IN AGAIN. (IN ORDER TO MAKE SURE THE CON HAS BEEN RESET.)</p> | | | | | | | | | | | | | | | | | |
| | <p>[CHECKING CONFIRMATION]</p> <table border="1"> <thead> <tr> <th>MODEL</th><th>TP VOLTAGE</th><th>PROTECTOR OPERATION VOLTAGE</th></tr> </thead> <tbody> <tr> <td>14T1-L</td><td>20.6 ± 1.1V DC</td><td>27V</td></tr> <tr> <td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td></tr> <tr> <td></td><td></td><td></td></tr> </tbody> </table> | | | MODEL | TP VOLTAGE | PROTECTOR OPERATION VOLTAGE | 14T1-L | 20.6 ± 1.1V DC | 27V | | | | | | | | | |
| MODEL | TP VOLTAGE | PROTECTOR OPERATION VOLTAGE | | | | | | | | | | | | | | | | |
| 14T1-L | 20.6 ± 1.1V DC | 27V | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| HISTORY OF REVISION | SYMBOL | REVISED CONTENT . | | | | | | | | | | | | | | | | |

| MODEL NAME | 14T1-L | | | | | | | |
|---------------------------|---|-------------------|---|-------|--------------|--------|--------------|--|
| ADJUSTMENT ITEM | HIGH VOLTAGE | | | | | | | |
| ADJUSTMENT POSITION | — | STEP RANGE | — | | | | | |
| CONTROL | — | | | | | | | |
| PRE-ADJUST REQUIREMENT | AFTER ALL ADJUSTMENT FINISHED. | | | | | | | |
| CONTENT | US 4 CH LION HEAD (MONOSCOPE PATTERN) | | | | | | | |
| INPUT CONDITION | AC 220V, RF INPUT | | | | | | | |
| OUTPUT | CRT ANODE VOLTAGE | | | | | | | |
| ADJUSTMENT PROCEDURE | CONFIRM THE VOLTAGE OF CRT ANODE BY HIGH VOLTAGE METER AND MAKE SURE THE READING IS AS BELOW. | | | | | | | |
| | <table border="1"> <thead> <tr> <th>MODEL</th> <th>HIGH VOLTAGE</th> </tr> </thead> <tbody> <tr> <td>14T1-L</td> <td>BELOW 25.5kV</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table> | | | MODEL | HIGH VOLTAGE | 14T1-L | BELOW 25.5kV | |
| MODEL | HIGH VOLTAGE | | | | | | | |
| 14T1-L | BELOW 25.5kV | | | | | | | |
| | | | | | | | | |
| | [CHECKING CONFIRMATION] | | | | | | | |
| HISTORY OF REVISION | SYMBOL | REVISED CONTENT . | | | | | | |

CHAPTER 6. WAVEFORMS

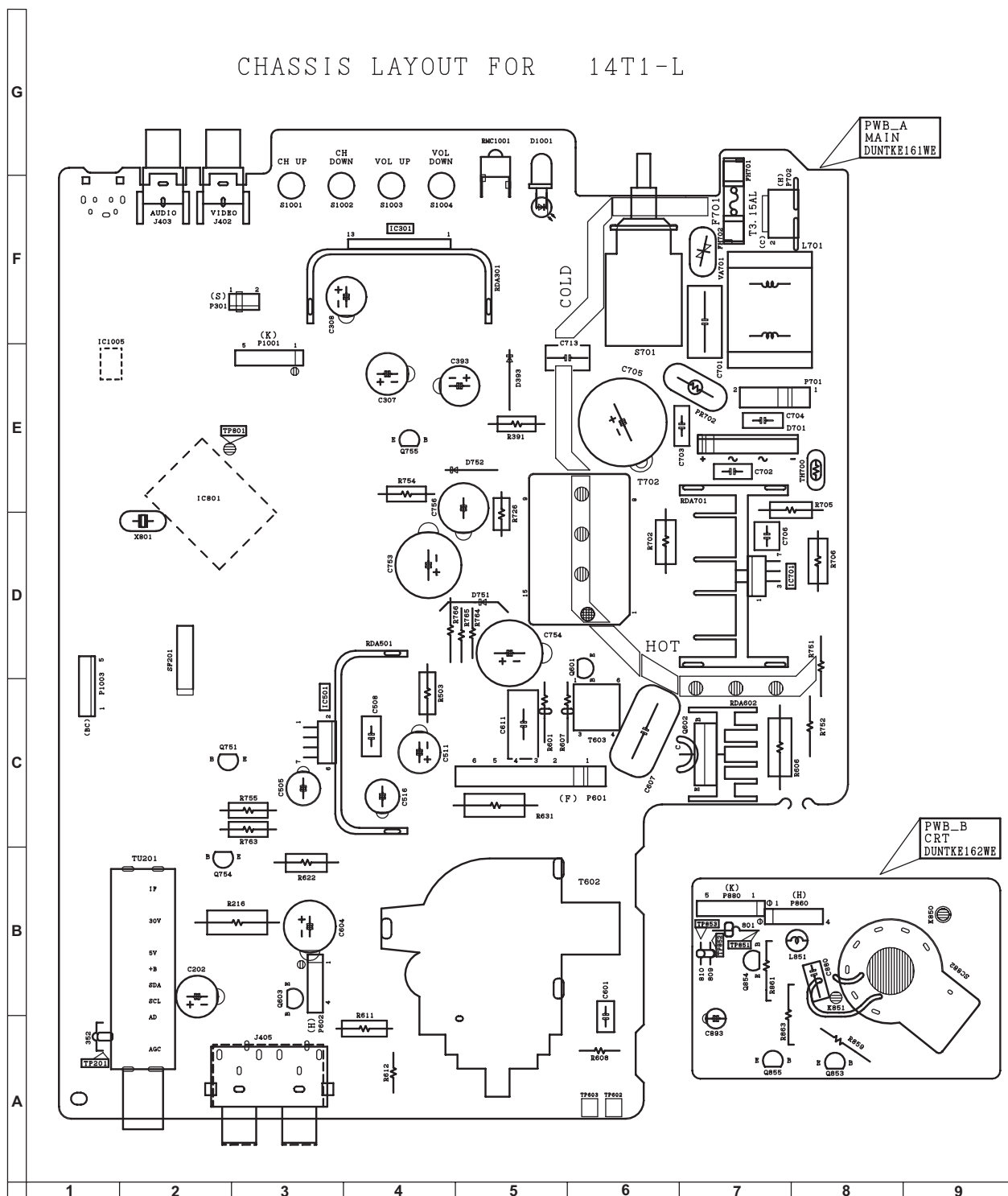
[1] WAVEFORMS

WAVEFORMS



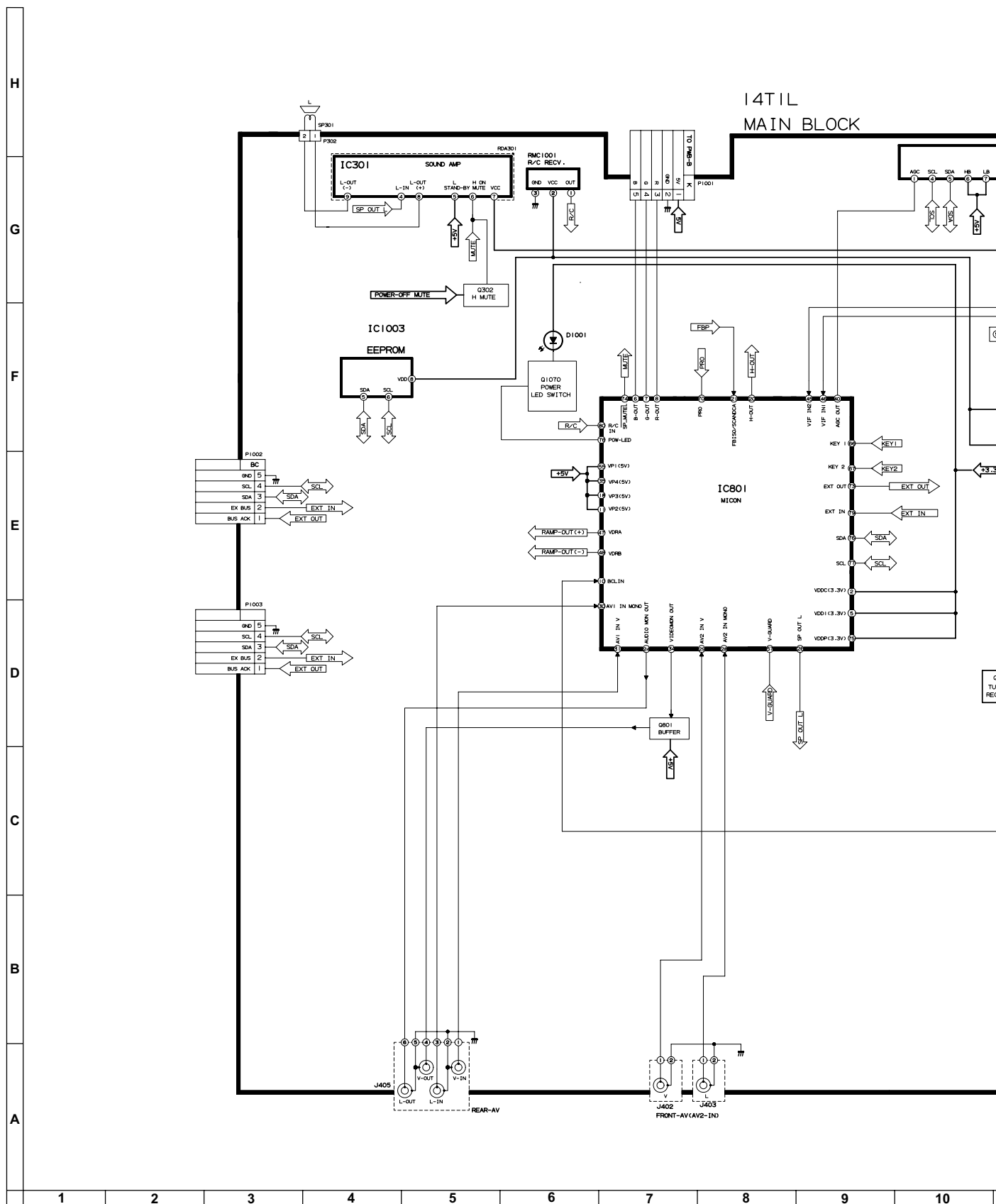
CHAPTER 7. CHASSIS LAYOUT

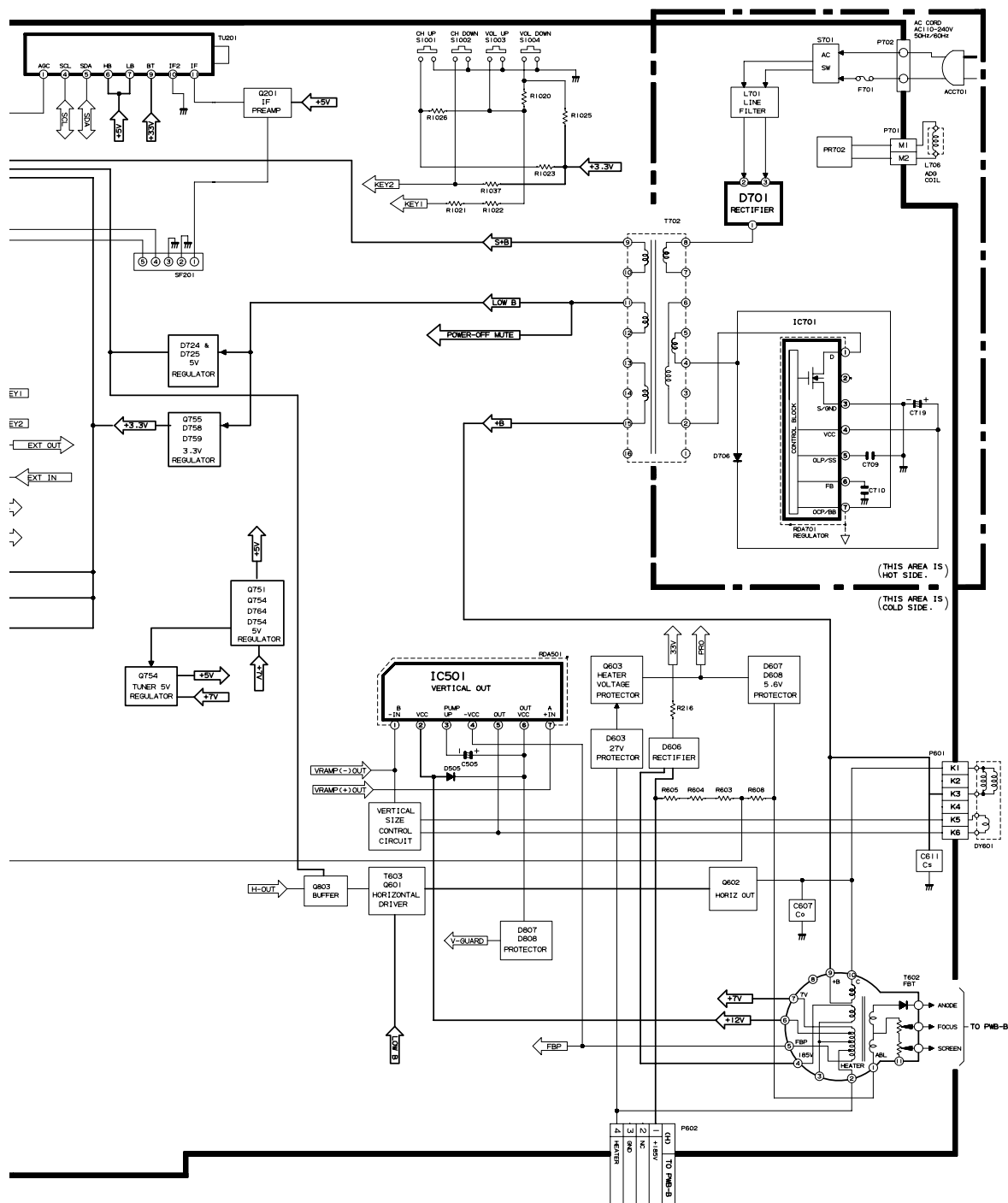
[1] CHASSIS LAYOUT



CHAPTER 8. BLOCK DIAGRAM

[1] BLOCK DIAGRAM: MAIN UNIT





CHAPTER 9. DESCRIPTION OF SCHEMATIC DIAGRAM

[1] DESCRIPTION OF SCHEMATIC 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 1/16 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. $\overline{\text{---}}$ 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 μ 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.)

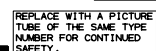
 AND SHADED () COMPONENTS
= SAFETY RELATED PARTS.
 MARK= X-RAY RELATED PARTS.

DRGANNES MARQUES  ET HACHRES ():
PIECES RELATIVES A LA SECURITE.
MARQUE  : PIECS RELATIVE AUX RAYONS X.

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

[1] SCHEMATIC DIAGRAM: MAIN UNIT

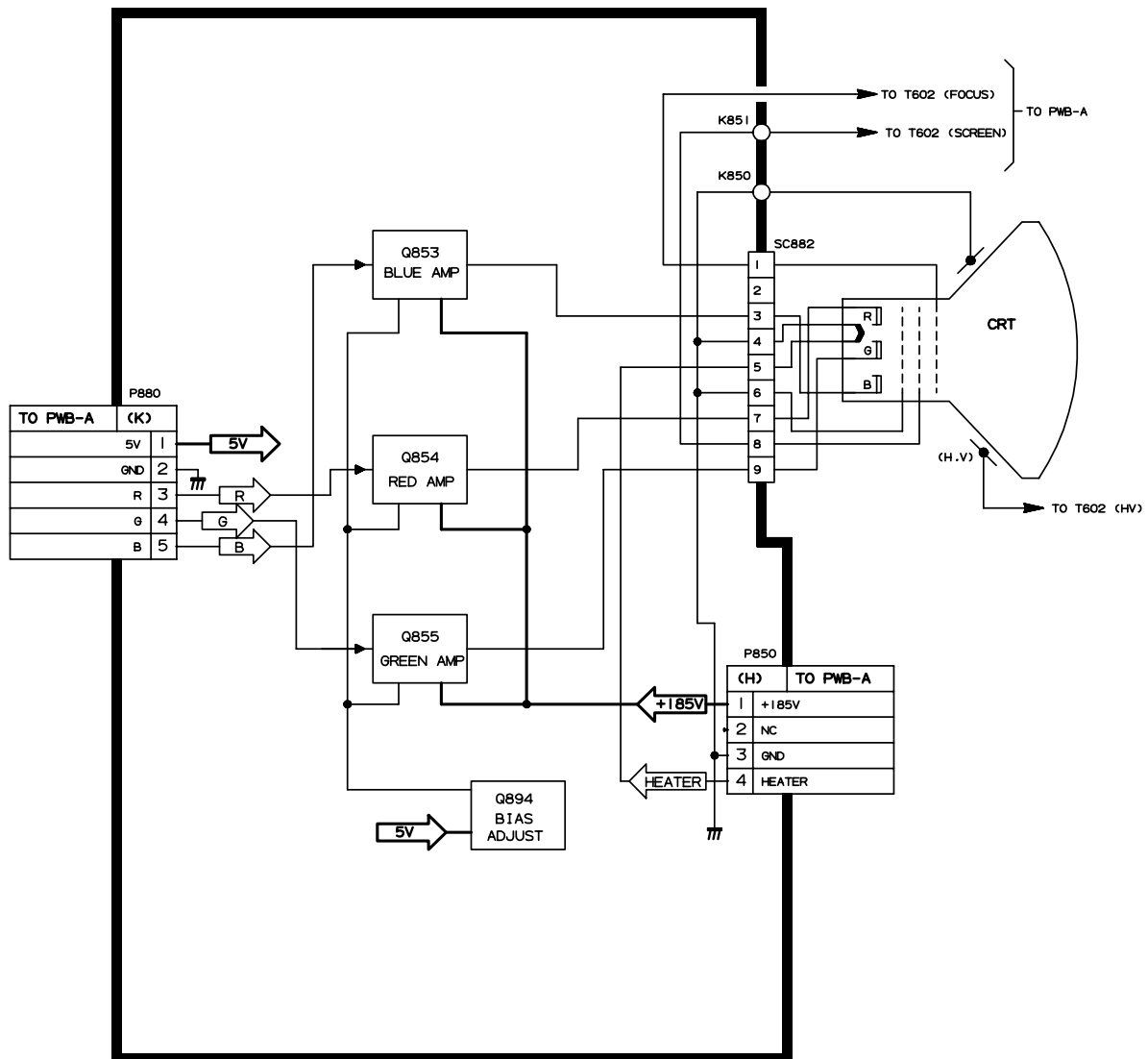




[2] BLOCK DIAGRAM: CRT UNIT

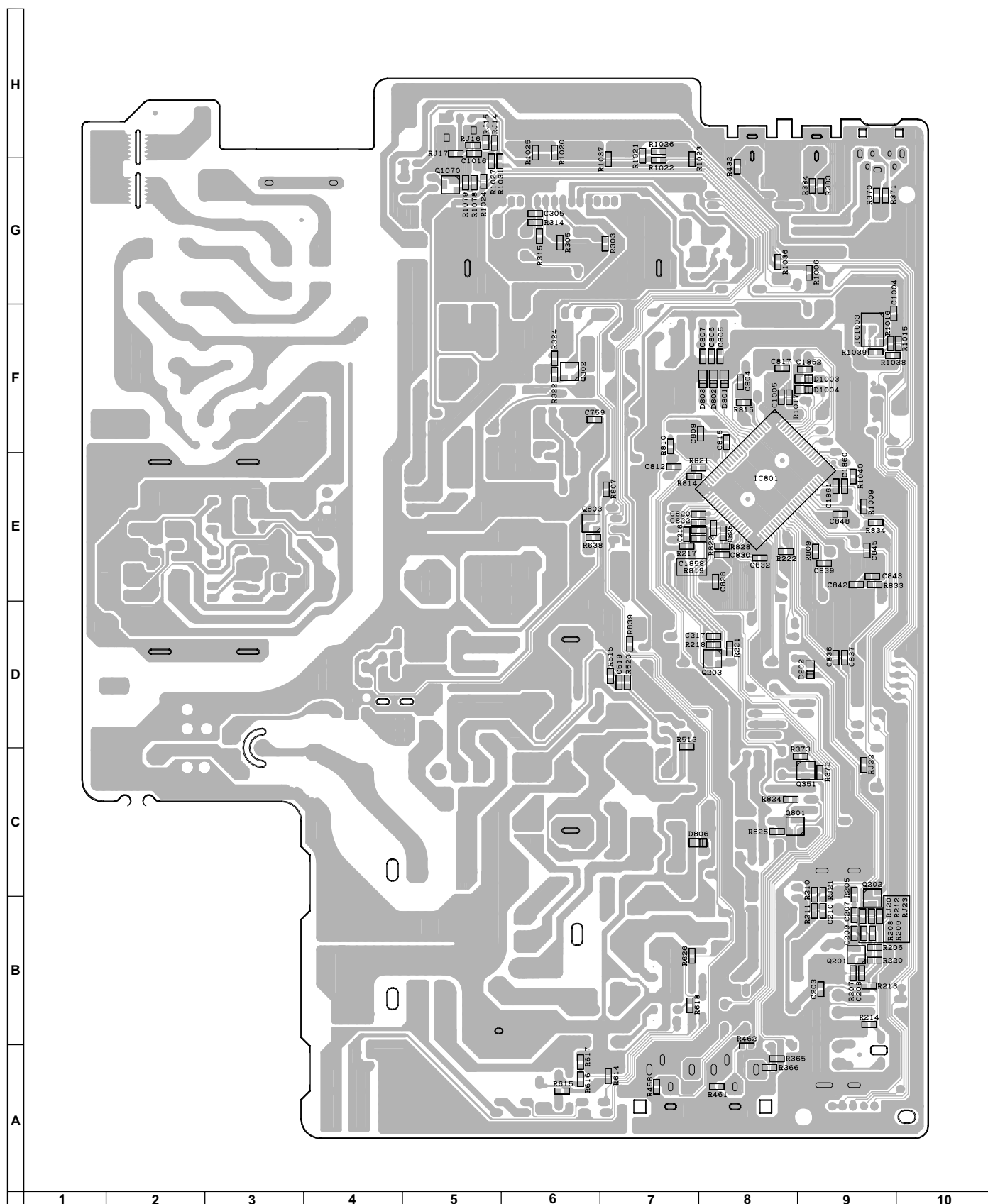
14T1L

CRT BLOCK



CHAPTER 11. PRINTED WIRING BOARD ASSEMBLIES

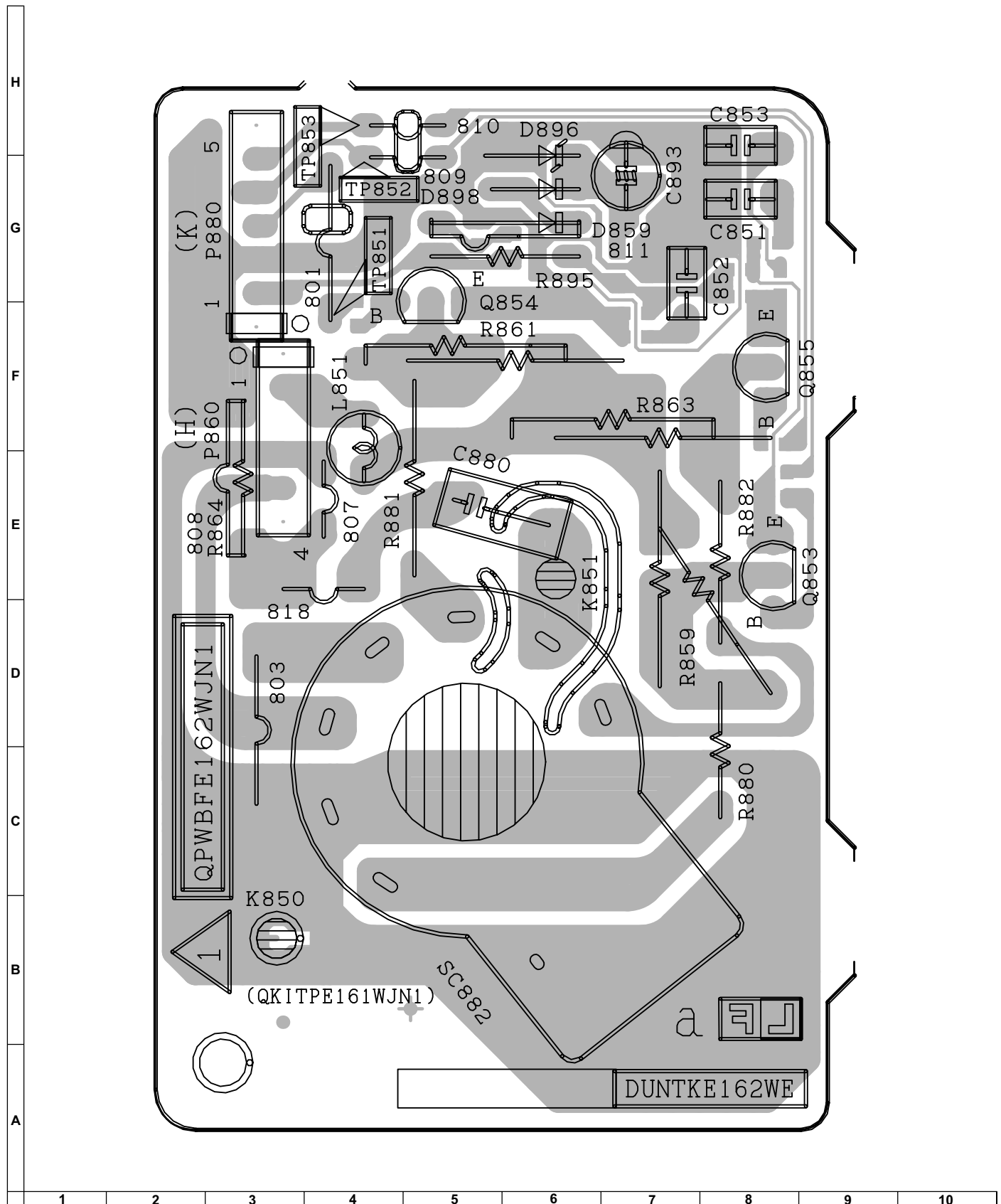
[1] PWB-A: MAIN UNIT (Wiring Side)







[4] PWB-B: CRT UNIT (Chip Parts Side)



SHARP PARTS GUIDE

No. S878314T1L

MODEL 14T1-L

CONTENTS

- | | |
|--|--------------------------|
| [1] PICTURE TUBE | [5] SUPPLIED ACCESSORIES |
| [2] PRINTED WIRING BOARD ASSEMBLIES | [6] CABINET PARTS |
| [3] MAIN UNIT | [7] PACKING PARTS |
| [4] CRT UNIT | ■ INDEX |

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.

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION |
|--|---------------|-----------------|----------|---------------|-----------------------|
| [1] PICTURE TUBE | | | | | |
| △ | VB370BVBK1S9E | | | R | SEMI-ITC Picture Tube |
| △ | RCILGA114WJZZ | | | R | Degaussing Coil |
| | QEARC1422PEZZ | | | R | Ground-Part |
| | PMAGF3045CEZZ | | | R | Magnet |
| [2] PRINTED WIRING BOARD ASSEMBLIES | | | | | |
| | DUNTKE161WEA1 | - | | - | MAIN Unit |
| | DUNTKE162WEA1 | - | | - | CRT Unit |
| [3] MAIN UNIT | | | | | |
| △ | TU201 | RTUNQA037WJZZ | | R | Tuner |
| | IC301 | VHILA42031E-1 | | R | LA4203E-1 |
| △ | IC501 | VHISTV9302B-1 | | R | STV9302B |
| △ | IC701 | VHISTRW5453-1 | AM | R | I.C. |
| | IC801 | RH-IXC227WJZZQ | | R | I.C. |
| | IC1003 | VHIBR24L08F-1Y | AE | R | BR24L08F-WE2 |
| | Q201 | VS2SC2735//1EY | | R | 2SC2735//1E |
| | Q302 | VS2SA1530AR-1Y | AB | R | 2SA1530AR |
| | Q601 | VS2SC2235Y/1E+ | AE | R | 2SC2235 |
| | Q602 | VSTT2140+++F | AG | R | TT2140 |
| | Q603 | VS2SC3198-G-1+ | AA | R | 2SC3198 |
| | Q751 | VS2SD468-C/-1+ | AD | R | 2SD468 |
| | Q754 | VS2SC3198-G/-1+ | AD | R | 2SC3198 |
| | Q755 | VS2SC3198-G/-1+ | AD | R | 2SC3198 |
| | Q801 | VS2SC3928AR-1Y | AB | R | 2SC3928AR |
| | Q803 | VS2SC3928AR-1Y | AB | R | 2SC3928AR |
| | Q1070 | VS2SC3928AR-1Y | AB | R | 2SC3928AR |
| | D201 | VHEZJ33C+++1EY | AA | R | Zener Diode , 33V |
| | D203 | VHDHSS4148+-1Y | AA | R | Diode |
| | D204 | VHDHSS4148+-1Y | AA | R | Diode |
| | D301 | VHEZJ12B+++1EY | AA | R | Diode |
| | D302 | VHDHSS4148+-1Y | AA | R | Diode |
| | D303 | VHDHSS4148+-1Y | AA | R | Diode |
| | D393 | RH-DX0302CEZZ | AE | R | Diode , DX0302CE |
| | D503 | RH-EX0612GEZZY | AB | R | Zener Diode , 5.1V |
| | D505 | RH-DX0441CEZZY | AC | R | Diode , DX0441CE |
| | D510 | RH-DX0131CEZZY | AC | R | Diode , DX0131CE |
| | D511 | RH-DX0131CEZZY | AC | R | Diode , DX0131CE |
| | D602 | VHD1SS244//1Y | AB | R | Diode , 1SS244 |
| | D603 | VHEZJ27B+++1EY | AA | R | Zener Diode , 27V |
| | D605 | VHDHSS4148+-1Y | AA | R | Diode |
| | D606 | RH-DX0131CEZZY | AC | R | Diode , DX0131CE |
| | D607 | VHDHSS4148+-1Y | AA | R | Diode |
| | D608 | VHEZJ5R6B+++1EY | AA | R | Zener Diode , 5.6V |
| △ | D701 | RH-DX0476CEZZ | AG | R | Diode , DX0476CE |
| | D706 | RH-DX0066GEZZY | AC | R | Diode , DX0066GE |
| | D707 | RH-DX0066GEZZY | AC | R | Diode , DX0066GE |
| | D709 | RH-DX0066GEZZY | AC | R | Diode , DX0066GE |
| | D710 | VHDHSS4148+-1Y | AA | R | Diode |
| | D715 | VHEZJ5R6B+++1EY | AA | R | Zener Diode , 5.6V |
| | D720 | RH-DX0131CEZZY | AC | R | Diode , DX0131CE |
| | D721 | RH-DX0066GEZZY | AC | R | Diode , DX0066GE |
| | D722 | VHEZJ27D+++1EY | AA | R | Zener Diode , 27V |
| | D723 | VHEZJ12B+++1EY | AA | R | Zener Diode , 12.03V |
| | D724 | VHEZJ4R3B+++1EY | | R | Zener Diode , 4.3V |
| | D725 | VHDHSS4148+-1Y | AA | R | Diode |
| | D732 | VHEZJ8R2A+++1EY | AB | R | Zener Diode , 8.2V |
| | D736 | VHEZJ36C+++1EY | AB | R | Zener Diode , 36V |
| | D751 | RH-DXA044WJZZ | | R | Diode , DXA044WJ |
| | D752 | RH-DX0247CEZZ | AE | R | Diode , DX0247CE |
| | D754 | VHEZJ5R1A+++1EY | | R | Zener Diode , 5.1V |
| | D758 | VHEZJ3R3A+++1EY | | R | Zener Diode , 3.3V |
| | D759 | VHDHSS4148+-1Y | AA | R | Diode |
| | D760 | VHEZJ8R2B+++1EY | AB | R | Zener Diode , 8.2V |
| | D764 | VHDHSS4148+-1Y | AA | R | Diode |
| | D801 | RH-EX0277TAZZY | AA | R | Zener Diode |
| | D802 | RH-EX0277TAZZY | AA | R | Zener Diode |
| | D803 | RH-EX0277TAZZY | AA | R | Zener Diode |
| | D804 | VHDHSS4148+-1Y | AA | R | Diode |
| | D805 | VHDHSS4148+-1Y | AA | R | Diode |
| | D806 | RH-EX1393CEZZY | AB | R | Zener Diode , 5.1V |
| | D807 | VHEZJ5R1B+++1EY | AC | R | Zener Diode , 5.1V |
| | D808 | VHEZJ12B+++1EY | AC | R | Zener Diode , 12V |
| | D1001 | RH-PX0013PEZZ | AC | R | Photodiode |
| | D1003 | RH-EX1393CEZZY | AB | R | Zener Diode , 5.1V |
| | D1004 | RH-EX1393CEZZY | AB | R | Zener Diode , 5.1V |
| | D1005 | VHDHSS4148+-1Y | AA | R | Diode |
| | D1007 | VHDHSS4148+-1Y | AA | R | Diode |
| | D1008 | VHDHSS4148+-1Y | AA | R | Diode |
| | VA701 | RH-VXA182WJZZ | | R | Varistor |
| | X801 | RCRSAA058WJZZ | | R | Crystal |
| | L203 | VP-DF270K0000Y | AB | R | Peaking 27mH |
| | L204 | VP-XF1R2K0000Y | AB | R | Peaking 1.2mH |
| | L205 | VP-XF2R7K0000Y | AB | R | Peaking 2.7mH |

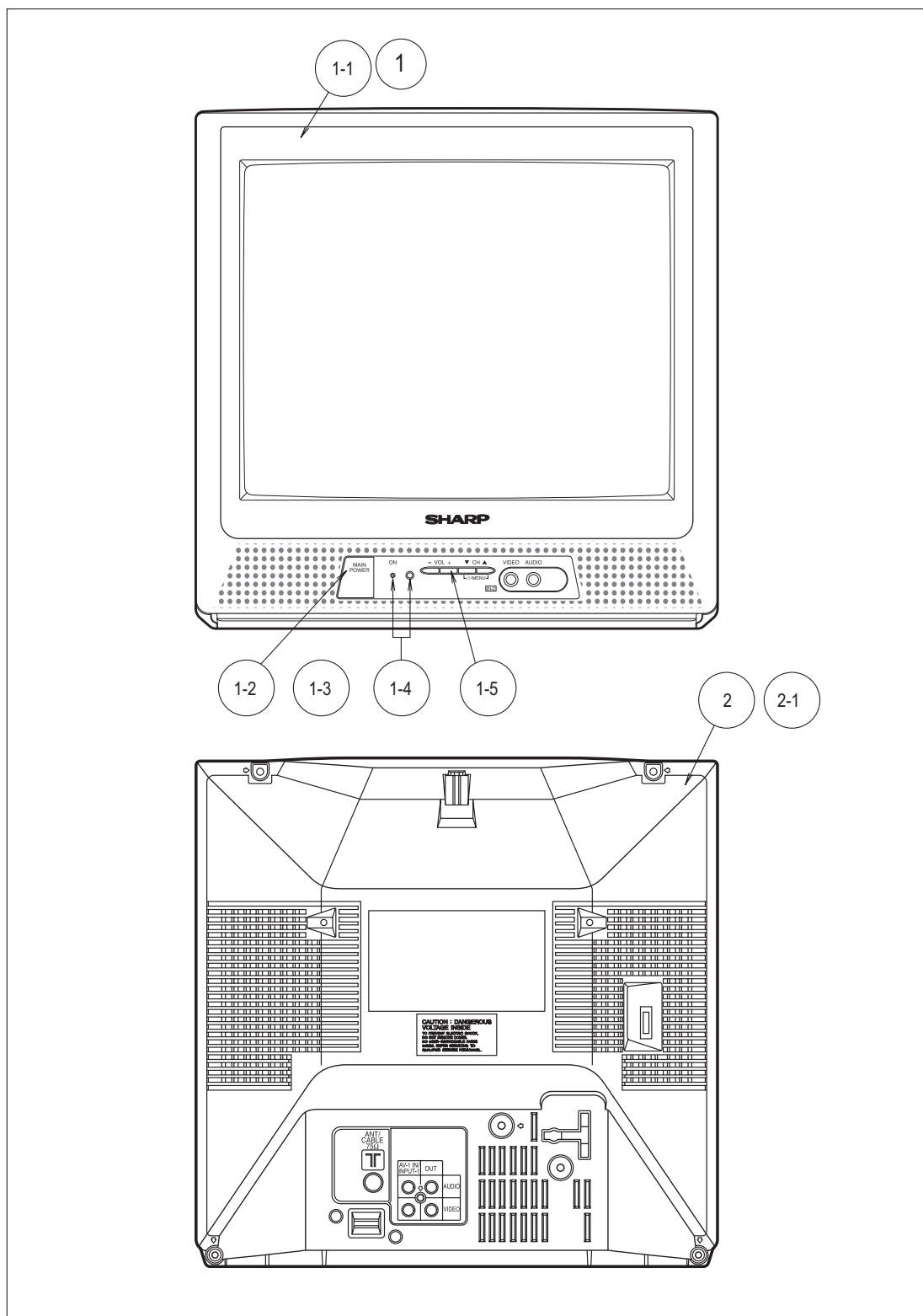
| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION |
|----------------------|----------------|------------|----------|---------------|----------------------------------|
| [3] MAIN UNIT | | | | | |
| L701 | RCILFA187WJZZ | AD | | R | Coil |
| L802 | VP-XF4R7K0000Y | AB | | R | Peaking 4.7mH |
| L804 | VP-DF100K0000Y | AB | | R | Peaking 10mH |
| L805 | VP-DF100K0000Y | AB | | R | Peaking 10mH |
| L807 | VP-DF100K0000Y | AB | | R | Peaking 10mH |
| L808 | VP-XF100K0000Y | AB | | R | Peaking 10mH |
| L809 | VP-XF100K0000Y | AB | | R | Peaking 10mH |
| L810 | VP-XF100K0000Y | AB | | R | Peaking 10mH |
| L812 | VP-XF4R7K0000Y | AB | | R | Peaking 4.7mH |
| L813 | VP-XF4R7K0000Y | AB | | R | Peaking 4.7mH |
| SF201 | RFILCA055WJQZS | | | R | Coil |
| T602 | RTRNFA140WJZZ | | | R | H-Volt Transformer |
| T603 | RTRNZA058WJZZ | AD | | R | Transformer |
| T702 | RTRNWA287WJZZ | | | R | Transformer |
| C202 | VCEA0A1AW108M+ | AC | | R | 1000 10V Electrolytic |
| C203 | VCKYCY1HF103ZY | AA | | R | 0.01 50V Ceramic |
| C206 | VCEA0A1HW106M+ | AB | | R | 10 50V Electrolytic |
| C207 | VCKYCY1HB103ZY | AA | | R | 0.01 50V Ceramic |
| C208 | VCKYCY1HB103ZY | AA | | R | 0.01 50V Ceramic |
| C209 | VCKYCY1HB103ZY | AA | | R | 0.01 50V Ceramic |
| C210 | VCKYCY1HB103ZY | AA | | R | 0.01 50V Ceramic |
| C211 | VCEA0A1HW475M+ | AB | | R | 4.7 50V Electrolytic |
| C301 | VCEA0A1EW476M+ | AB | | R | 47 25V Electrolytic |
| C304 | VCEA0A1HW105M+ | AB | | R | 1 50V Electrolytic |
| C305 | VCKYCY1HB153KY | AA | | R | 0.15 50V Ceramic |
| C306 | VCEA0A1CW336M+ | AB | | R | 33 16V Electrolytic |
| C307 | VCEA0A1AW108M+ | AC | | R | 1000 10V Electrolytic |
| C308 | VCEA0A1EW477M+ | AD | | R | 470 25V Electrolytic |
| C309 | VCFYFA1HA474J+ | AE | | R | 0.47 50V Mylar |
| C314 | VCEA0A1HW475M+ | AB | | R | 4.7 50V Electrolytic |
| C370 | VCEA0A1CW106M+ | AB | | R | 10 16V Electrolytic |
| C372 | VCE9GA1HW225M+ | AB | | R | 2.2 50V Electrolytic |
| C383 | VCEA0A1CW106M+ | AB | | R | 10 16V Electrolytic |
| C391 | VCKYPA1HB102K+ | AA | | R | 1000p 50V Ceramic |
| C393 | VCEA0A1EW108M+ | AD | | R | 1000 25V Electrolytic |
| C395 | VCE9GA1HW225M+ | AB | | R | 2.2 50V Electrolytic |
| C451 | VCEA0A1CW477M+ | AC | | R | 470 16V Electrolytic |
| C505 | VCEA0A1HW107M+ | AB | | R | 100 50V Electrolytic |
| C508 | VCFYAA2AA224J+ | AD | | R | 0.22 100V Mylar |
| C511 | VCEA0A1VW477M+ | AB | | R | 470 35V Electrolytic |
| C512 | VCKYPA2HB102K+ | AA | | R | 1000p 500V Ceramic |
| C515 | VCKYPA2HB102K+ | AA | | R | 1000p 500V Ceramic |
| C516 | VCEA0A1CW477M+ | AC | | R | 470 16V Electrolytic |
| C601 | VCQYTA1HM563J+ | AB | | R | 0.56 50V Mylar |
| C602 | VCEA0A1HW475M+ | AB | | R | 4.7 50V Electrolytic |
| C604 | VCEA0A2EW336M+ | AD | | R | 33 250V Electrolytic |
| C606 | VCKYPA2HB102K+ | AA | | R | 1000p 500V Ceramic |
| C607 | VCFPVC3ZA612H | AD | | R | 6.1 1.8KV Metalized Polypro Film |
| C608 | VCQYTA1HM472J+ | AB | | R | 4.7 50V Mylar |
| C611 | VCFPVC2EB334J | AD | | R | 0.33 200V Metalized Polypro Film |
| C650 | VCKYPA2HB101K+ | AB | | R | 100p 500V Ceramic |
| C701 | RC-FZ032SCEZZ | AD | | R | 220 275V Metalized Plastic Film |
| C702 | RC-KZ0029CEZZ+ | AC | | R | 0.01 250V Ceramic |
| C703 | RC-KZ0029CEZZ+ | AC | | R | 0.01 250V Ceramic |
| C704 | RC-KZ0029CEZZ+ | AC | | R | 0.01 250V Ceramic |
| C705 | RC-EZA095WJZZ | AM | | R | 220 400V Electrolytic |
| C706 | VCFYFA1HA105J+ | AE | | R | 1 50V Mylar |
| C708 | VCKYPA1HB221K+ | AB | | R | 220p 50V Ceramic |
| C709 | VCQYTA1HM103J+ | AB | | R | 0.01 50V Mylar |
| C710 | VCQYTA1HM222J+ | AB | | R | 2.2 50V Mylar |
| C711 | VCKYPA1HB222K+ | AB | | R | 2200p 50V Ceramic |
| C713 | RC-KZ0102GEZZ | AC | | R | 2kV Ceramic |
| C719 | VCEA0A1HW476M+ | AB | | R | 47 50V Electrolytic |
| C720 | VCKYPA2HB102K+ | AA | | R | 1000p 500V Ceramic |
| C721 | VCEA0A1CW477M+ | AC | | R | 470 16V Electrolytic |
| C722 | VCEA0A1CW476M+ | AC | | R | 47 16V Electrolytic |
| C750 | VCKYPA2HB102K+ | AA | | R | 1000p 500V Ceramic |
| C752 | VCKYPH3DB561K | AC | | R | 560p 2KV Ceramic |
| C753 | RC-EZA235WJZZ | AD | | R | 100 160V Electrolytic |
| C754 | RC-EZA522WJZZ | AD | | R | 33 160V Electrolytic |
| C756 | VCEA0A1EW228M+ | AE | | R | 2200 25V Electrolytic |
| C758 | VCEA0A1AW107M+ | AB | | R | 100 10V Electrolytic |
| C759 | VCKYCY1HB104KY | AA | | R | 0.1 50V Ceramic |
| C784 | VCKYPH3DB561K | AC | | R | 560p 2KV Ceramic |
| C808 | VCEA0A1HW475M+ | AB | | R | 4.7 50V Electrolytic |
| C809 | VCKYCY1HB104KY | AA | | R | 0.1 50V Ceramic |
| C810 | VCEA0A1CW106M+ | AB | | R | 10 16V Electrolytic |
| C812 | VCKYCY1HB104KY | AA | | R | 0.1 50V Ceramic |
| C815 | VCKYCY1HB104KY | AA | | R | 0.1 50V Ceramic |
| C816 | VCEA0A1CW476M+ | AB | | R | 47 16V Electrolytic |
| C817 | VCKYCY1HB103KY | AA | | R | 0.01 50V Ceramic |
| C818 | VCEA0A1CW476M+ | AB | | R | 47 16V Electrolytic |
| C820 | VCKYCY1AB105KY | AA | | R | 1 10V Ceramic |
| C822 | VCKYCY1AB105KY | AA | | R | 1 10V Ceramic |
| C825 | VCEA0A1HW475M+ | AB | | R | 4.7 50V Electrolytic |

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION |
|----------------------|----------------|------------|----------|---------------|------------------------|
| [3] MAIN UNIT | | | | | |
| C826 | VCKYCY1HB104KY | AA | | R | 0.1 50V Ceramic |
| C827 | VCEA0A1CW106M+ | AB | | R | 10 16V Electrolytic |
| C828 | VCKYCY1HB104KY | AA | | R | 0.1 50V Ceramic |
| C829 | VCEA0A1CW106M+ | AB | | R | 10 16V Electrolytic |
| C830 | VCKYCY1HB104KY | AA | | R | 0.1 50V Ceramic |
| C831 | VCEA0A1CW106M+ | AB | | R | 10 16V Electrolytic |
| C832 | VCKYCY1HB103KY | AA | | R | 0.01 50V Ceramic |
| C833 | VCEA0A1CW106M+ | AB | | R | 10 16V Electrolytic |
| C835 | VCFYFA1HA154J+ | AA | | R | 0.15 50V Mylar |
| C836 | VCKYCY1HB102KY | AA | | R | 1000p 50V Ceramic |
| C837 | VCKYCY1HB102KY | AA | | R | 1000p 50V Ceramic |
| C839 | VCKYCY1HB223KY | AA | | R | 0.22 50V Ceramic |
| C840 | VCFYFA1HA224J+ | AA | | R | 0.22 50V Mylar |
| C841 | VCQYTA1HM682J+ | AB | | R | 6.8 50V Mylar |
| C842 | VCKYCY1AB105KY | AA | | R | 1 10V Ceramic |
| C843 | VCEA0A1HW475M+ | AB | | R | 4.7 50V Electrolytic |
| C844 | VCFYFA1HA103J+ | AA | | R | 0.01 50V Mylar |
| C845 | VCKYCY1CF224ZY | AB | | R | 0.22 16V Ceramic |
| C846 | VCEA0A1AW107M+ | AB | | R | 100 10V Electrolytic |
| C847 | VCEA0A1CW106M+ | AB | | R | 10 16V Electrolytic |
| C848 | VCKYCY1HB104KY | AA | | R | 0.1 50V Ceramic |
| C1001 | VCEA0A1AW107M+ | AB | | R | 100 10V Electrolytic |
| C1003 | VCEA0A1CW106M+ | AB | | R | 10 16V Electrolytic |
| C1004 | VCKYCY1CF474ZY | AB | | R | 0.47 16V Ceramic |
| C1005 | VCCCCY1HH101JY | AA | | R | 100p 50V Ceramic |
| C1016 | VCKYCY1EF104ZY | AA | | R | 0.1 25V Ceramic |
| C1081 | VCFYFA1HM104J+ | AA | | R | 0.1 50V Mylar |
| C1852 | VCKYCY1HF224ZY | AA | | R | 0.22 50V Ceramic |
| C1853 | VCEA0A1HW104M+ | AB | | R | 0.1 50V Electrolytic |
| C1859 | VCEA0A1HW106M+ | AB | | R | 10 50V Electrolytic |
| RJ14 | VRS-CY1JF000JY | AA | | R | 0 1/16W Metal Oxide |
| RJ17 | VRS-CY1JF000JY | AA | | R | 0 1/16W Metal Oxide |
| RJ22 | VRS-CY1JF000JY | AA | | R | 0 1/16W Metal Oxide |
| RJ23 | VRS-CY1JF000JY | AA | | R | 0 1/16W Metal Oxide |
| R201 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R202 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R205 | VRS-CY1JF680JY | AA | | R | 68 1/16W Metal Oxide |
| R206 | VRS-CY1JF272JY | AA | | R | 2.7K 1/16W Metal Oxide |
| R207 | VRS-CY1JF221JY | AA | | R | 220 1/16W Metal Oxide |
| R208 | VRS-CY1JF221JY | AA | | R | 220 1/16W Metal Oxide |
| R209 | VRS-CY1JF392JY | AA | | R | 3.9K 1/16W Metal Oxide |
| R213 | VRS-CY1JF103JY | AA | | R | 10K 1/16W Metal Oxide |
| R214 | VRS-CY1JF563JY | AA | | R | 56K 1/16W Metal Oxide |
| R216 | VRS-RG3LB393J+ | AC | | R | 39K 3W Metal Film |
| R220 | VRS-CY1JF221JY | AA | | R | 220 1/16W Metal Oxide |
| R301 | VRD-RA2BE822JY | AA | | R | 8.2 1/8W Carbon |
| R303 | VRS-CY1JF473JY | AA | | R | 47K 1/16W Metal Oxide |
| R304 | VRD-RA2BE223JY | AA | | R | 22K 1/8W Carbon |
| R305 | VRS-CY1JF274JY | AA | | R | 270K 1/16W Metal Oxide |
| R314 | VRS-CY1JF561JY | AA | | R | 560 1/16W Metal Oxide |
| R315 | VRS-CY1JF122JY | AA | | R | 1.2K 1/16W Metal Oxide |
| R322 | VRS-CY1JF104JY | AA | | R | 100K 1/16W Metal Oxide |
| R323 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R324 | VRS-CY1JF102JY | AA | | R | 1K 1/16W Metal Oxide |
| R325 | VRD-RM2HD1R0JY | AA | | R | 1 1/2W Carbon |
| R365 | VRS-CY1JF103JY | AA | | R | 10K 1/16W Metal Oxide |
| R366 | VRS-CY1JF682JY | AA | | R | 6.8K 1/16W Metal Oxide |
| R372 | VRS-CY1JF103JY | AA | | R | 10K 1/16W Metal Oxide |
| R383 | VRS-CY1JF103JY | AA | | R | 10K 1/16W Metal Oxide |
| R384 | VRS-CY1JF682JY | AA | | R | 6.8K 1/16W Metal Oxide |
| R391 | VRN-RL3ABR10J+ | AA | | R | 10 1W Metal Film |
| R431 | VRD-RA2BE151JY | AA | | R | 150 1/8W Carbon |
| R432 | VRS-CY1JF221JY | AA | | R | 220 1/16W Metal Oxide |
| R458 | VRS-CY1JF103JY | AA | | R | 10K 1/16W Metal Oxide |
| R459 | VRD-RA2EE750JY | AA | | R | 75 1/4W Carbon |
| R461 | VRS-CY1JF750JY | AA | | R | 75 1/16W Metal Oxide |
| R462 | VRS-CY1JF151JY | AA | | R | 150 1/16W Metal Oxide |
| R503 | VRN-RL3DB2R7J+ | AB | | R | 2.7 2W Metal Film |
| R506 | VRS-RG3AB331J+ | AB | | R | 330 1W Metal Oxide |
| R507 | VRD-RM2HD1R0JY | AA | | R | 1 1/2W Carbon |
| R508 | QJUM-0001AJFWY | | | R | Jumper wire |
| R509 | QJUM-0001AJFWY | | | R | Jumper wire |
| R513 | VRS-CY1JF222JY | AA | | R | 2.2K 1/16W Metal Oxide |
| R515 | VRS-CY1JF183JY | AA | | R | 18K 1/16W Metal Oxide |
| R520 | VRS-CY1JF272JY | AA | | R | 2.7K 1/16W Metal Oxide |
| R601 | VRS-VV3AB121J | AA | | R | 120 2W Metal Oxide |
| R602 | VRD-RA2BE393JY | AA | | R | 39K 1/8W Carbon |
| R603 | VRD-RA2BE273JY | AA | | R | 27K 1/8W Carbon |
| R604 | VRD-RA2BE563JY | AA | | R | 56K 1/8W Carbon |
| R605 | VRD-RM2HD154JY | AA | | R | 150K 1/2W Carbon |
| R606 | VRN-RL3LBR18J+ | AD | | R | 18 3W Metal Film |
| R607 | VRS-VV3AB101J | AA | | R | 100 2W Metal Oxide |
| R608 | VRN-RL3LBR22J+ | AD | | R | 22 3W Metal Film |
| R609 | VRD-RM2HD270JY | AA | | R | 27 1/2W Carbon |
| R611 | VRN-RL3AB1R2J+ | AB | | R | 1.2 1W Metal Film |

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION |
|----------------------|----------------|------------|----------|---------------|------------------------|
| [3] MAIN UNIT | | | | | |
| R612 | VRD-RM2HD270JY | AA | | R | 27 1/2W Carbon |
| R614 | VRS-CY1JF154JY | AA | | R | 150K 1/16W Metal Oxide |
| R615 | VRS-CY1JF102JY | AA | | R | 1K 1/16W Metal Oxide |
| R616 | VRS-CY1JF102JY | AA | | R | 1K 1/16W Metal Oxide |
| R617 | VRS-CY1JF123JY | AA | | R | 12K 1/16W Metal Oxide |
| R618 | VRS-CY1JF222JY | AA | | R | 2.2K 1/16W Metal Oxide |
| R621 | VRN-RG2HC150J+ | AB | | R | 15 1/2W Metal Oxide |
| R622 | VRS-RG3DB682J+ | AB | | R | 6.8K 2W Metal Film |
| R625 | VRD-RM2HD184JY | AA | | R | 180K 1/2W Carbon |
| R626 | VRS-CY1JF472JY | AA | | R | 4.7K 1/16W Metal Oxide |
| R627 | VRD-RA2BE222JY | AA | | R | 2.2K 1/8W Carbon |
| R631 | VRS-RG3LB391J+ | AC | | R | 390 3W Metal Film |
| R637 | VRD-RA2BE103JY | AA | | R | 10K 1/8W Carbon |
| R638 | VRS-CY1JF101JY | AA | | R | 100 1/16W Metal Oxide |
| R639 | VRD-RM2HD471JY | AA | | R | 470 1/2W Carbon |
| R702 | VRS-RG3AB124J+ | AB | | R | 120K 2W Metal Oxide |
| R704 | VRD-RA2BE221JY | AA | | R | 220 1/8W Carbon |
| R705 | VRN-RL3DBR82J+ | AA | | R | 82 2W Metal Film |
| R706 | VRN-RL3DBR22J+ | AB | | R | 22 2W Metal Film |
| R710 | VRD-RM2HD5R6JY | AA | | R | 5.6 1/2W Carbon |
| R720 | VRD-RA2EE472JY | AA | | R | 4.7K 1/4W Carbon |
| R721 | VRD-RA2BE683JY | AA | | R | 68K 1/8W Carbon |
| R726 | VRN-RL2HCR47J+ | AB | | R | 47 1/2W Metal Oxide |
| R727 | VRD-RA2EE102JY | AA | | R | 1K 1/4W Carbon |
| R733 | VRD-RA2BE273JY | AA | | R | 27K 1/8W Carbon |
| R751 | VRD-RA2BE273JY | AA | | R | 27K 1/8W Carbon |
| R752 | RR-DZ0049CEZZY | | | R | 39M 1/2W Carbon Film |
| R753 | VRD-RM2HD124JY | AA | | R | 12K 1/2W Carbon |
| R754 | VRS-RG3AB151J+ | AB | | R | 150 2W Metal Oxide |
| R755 | VRN-RL3AB3R9J+ | AB | | R | 3.9 1W Metal Film |
| R758 | VRD-RA2BE471JY | AA | | R | 470 1/8W Carbon |
| R761 | VRD-RA2EE821JY | AA | | R | 820 1/4W Carbon |
| R763 | VRN-RL3AB8R2J+ | AB | | R | 8.2 1W Metal Film |
| R764 | VRD-RM2HD100JY | AA | | R | 10 1/2W Carbon |
| R765 | VRD-RM2HD100JY | AA | | R | 10 1/2W Carbon |
| R766 | VRD-RM2HD100JY | AA | | R | 10 1/2W Carbon |
| R803 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R804 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R805 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R806 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R807 | VRS-CY1JF222JY | AA | | R | 2.2K 1/16W Metal Oxide |
| R808 | VRD-RA2BE471JY | AA | | R | 470 1/8W Carbon |
| R810 | VRS-CY1JF100JY | AA | | R | 10 1/16W Metal Oxide |
| R811 | VRD-RA2BE391JY | AA | | R | 390 1/8W Carbon |
| R812 | VRD-RA2BE223JY | AA | | R | 22K 1/8W Carbon |
| R813 | VRD-RA2BE470JY | AA | | R | 47 1/8W Carbon |
| R814 | VRS-CY1JF391JY | AA | | R | 390 1/16W Metal Oxide |
| R815 | VRS-CY1JF103JY | AA | | R | 15K 1/16W Metal Oxide |
| R816 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R817 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R818 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R819 | VRS-CY1JF101JY | AA | | R | 100 1/16W Metal Oxide |
| R820 | VRD-RA2BE470JY | AA | | R | 47 1/8W Carbon |
| R821 | VRS-CY1JF102JY | AA | | R | 1K 1/16W Metal Oxide |
| R822 | VRS-CY1JF101JY | AA | | R | 100 1/16W Metal Oxide |
| R824 | VRS-CY1JF103JY | AA | | R | 15K 1/16W Metal Oxide |
| R825 | VRS-CY1JF333JY | AA | | R | 33K 1/16W Metal Oxide |
| R827 | VRD-RM2HD151JY | AA | | R | 150 1/2W Carbon |
| R828 | VRS-CY1JF391JY | AA | | R | 390 1/16W Metal Oxide |
| R829 | VRD-RA2BE393GY | AA | | R | 39K 1/8W Carbon |
| R830 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R831 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R833 | VRS-CY1JF123JY | AA | | R | 12K 1/16W Metal Oxide |
| R834 | VRS-CY1JF101JY | AA | | R | 100 1/16W Metal Oxide |
| R837 | VRD-RA2BE332JY | AA | | R | 3.3K 1/8W Carbon |
| R839 | VRS-CY1JF104JY | AA | | R | 100K 1/16W Metal Oxide |
| R845 | VRD-RA2BE103JY | AA | | R | 10K 1/8W Carbon |
| R848 | VRD-RA2BE181JY | AA | | R | 180 1/8W Carbon |
| R862 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R1004 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R1005 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R1006 | VRS-CY1JF332JY | AA | | R | 3.3K 1/16W Metal Oxide |
| R1007 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R1008 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R1010 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R1011 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R1012 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R1013 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R1014 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R1015 | VRS-CY1JF332JY | AA | | R | 3.3K 1/16W Metal Oxide |
| R1016 | VRS-CY1JF332JY | AA | | R | 3.3K 1/16W Metal Oxide |
| R1017 | VRS-CY1JF101JY | AA | | R | 100 1/16W Metal Oxide |
| R1019 | VRD-RA2BE101JY | AA | | R | 100 1/8W Carbon |
| R1020 | VRS-CY1JF152JY | AA | | R | 1.5K 1/16W Metal Oxide |
| R1021 | VRS-CY1JF561JY | AA | | R | 560 1/16W Metal Oxide |

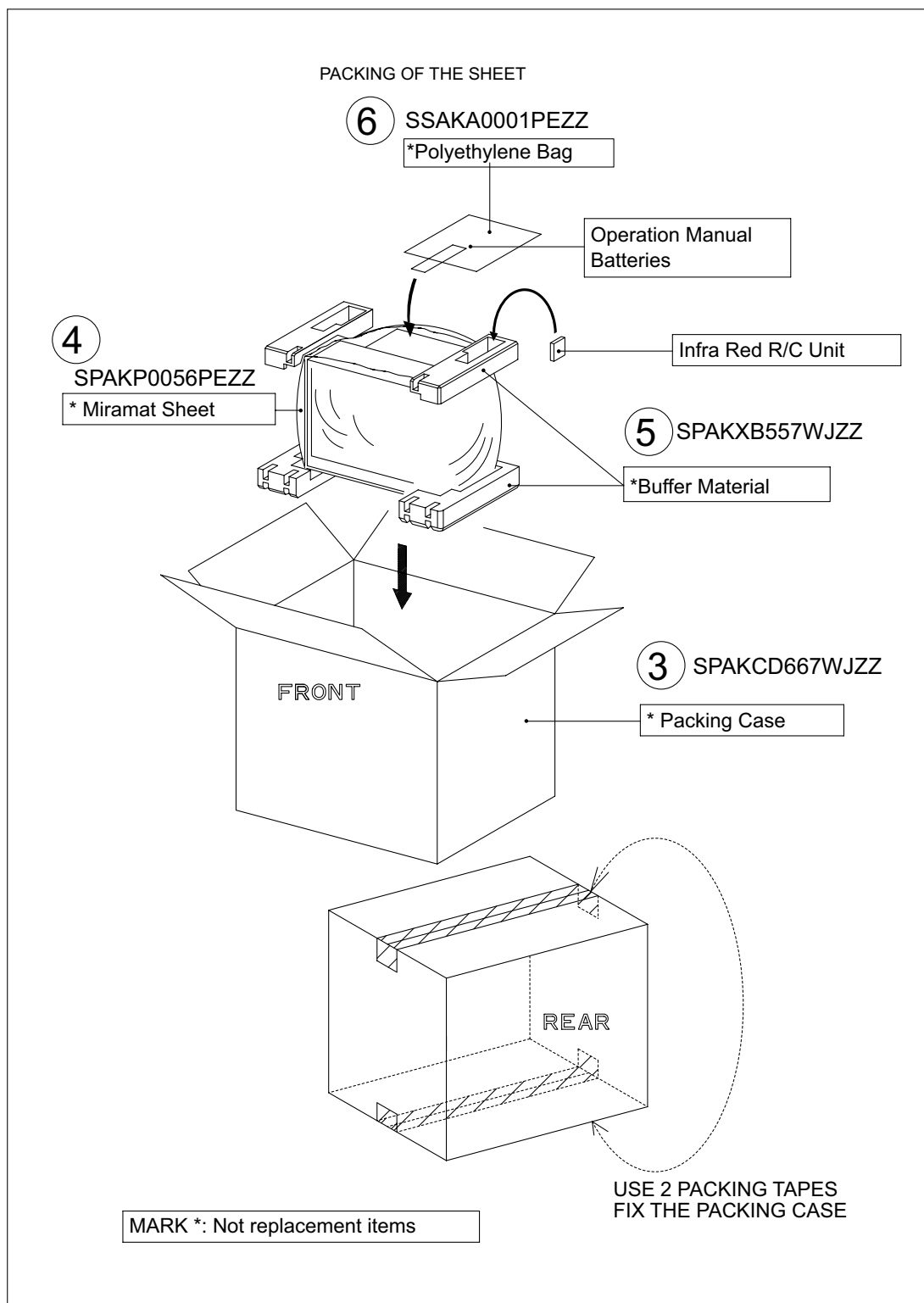
| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION |
|----------------------|----------------|------------|----------|---------------|------------------------|
| [3] MAIN UNIT | | | | | |
| R1022 | VRS-CY1JF181JY | AA | | R | 180 1/16W Metal Oxide |
| R1023 | VRS-CY1JF222JY | AA | | R | 2.2K 1/16W Metal Oxide |
| R1024 | VRS-CY1JF101JY | AA | | R | 100 1/16W Metal Oxide |
| R1025 | VRS-CY1JF152JY | AA | | R | 1.5K 1/16W Metal Oxide |
| R1026 | VRS-CY1JF681JY | AA | | R | 680 1/16W Metal Oxide |
| R1027 | VRS-CY1JF104JY | AA | | R | 100K 1/16W Metal Oxide |
| R1028 | VRD-RA2BE181JY | AA | | R | 180 1/8W Carbon |
| R1029 | VRD-RA2BE103JY | AA | | R | 10K 1/8W Carbon |
| R1031 | VRS-CY1JF101JY | AA | | R | 100 1/16W Metal Oxide |
| R1032 | VRD-RA2BE680JY | AA | | R | 68 1/8W Carbon |
| R1035 | VRD-RA2BE103JY | AA | | R | 10K 1/8W Carbon |
| R1036 | VRS-CY1JF122JY | AA | | R | 1.2K 1/16W Metal Oxide |
| R1037 | VRS-CY1JF103JY | AA | | R | 10K 1/16W Metal Oxide |
| R1038 | VRS-CY1JF101JY | AA | | R | 100 1/16W Metal Oxide |
| R1039 | VRS-CY1JF101JY | AA | | R | 100 1/16W Metal Oxide |
| R1078 | VRS-CY1JF332JY | AA | | R | 3.3K 1/16W Metal Oxide |
| R1079 | VRS-CY1JF332JY | AA | | R | 3.3K 1/16W Metal Oxide |
| S701 | QSW-P0612CEZZ | AG | | R | Switch , POWER |
| S1001 | QSW-KA019WJZZ+ | AC | | R | Switch , CH UP |
| S1002 | QSW-KA019WJZZ+ | AC | | R | Switch , CH DOWN |
| S1003 | QSW-KA019WJZZ+ | AC | | R | Switch , VOL UP |
| S1004 | QSW-KA019WJZZ+ | AC | | R | Switch , VOL DOWN |
| F701 | QFS-C3225CEZZ | AC | | R | Fuse , 3.15A 250V |
| FH701 | QFSDH1013CEZZ+ | AC | | R | Fuse Holder |
| FH702 | QFSDH1014CEZZ+ | AC | | R | Fuse Holder |
| J402 | QJAKEA056WJ04 | | | R | Jack |
| J403 | QJAKEA056WJ09 | | | R | Jack |
| J405 | QJAKH0044AJZZ | | | R | Jack |
| J1404 | QJAKE0210CE02 | | | R | Jack |
| P301 | QPLGNA107WJZZ | | | R | Plug |
| P601 | QPLGN0660CEZZ | AC | | R | Plug ,6Pin(F) |
| P602 | LHLDW1104PEZZ | AB | | R | Plug |
| P701 | QPLGN0260CEZZ | AC | | R | Plug ,2Pin(M) |
| P702 | QPLGN0269GEZZ | AB | | R | Plug ,2Pin |
| P1001 | LHLDW1105PEZZ | AB | | R | Plug |
| P1003 | QPLGNA110WJZZ | | | R | Plug |
| PR702 | RMPTP0028CEZZ | | | R | |
| RMC1001 | RRMCUA050WJZZ | | | R | Remote Receiver |
| RDA301 | PRDARA420WJFW | | | R | Heat Sink for IC301 |
| RDA501 | PRDARA121WJFW | AD | | R | Heat Sink for IC501 |
| RDA602 | PRDAR0337PEFW | | | R | Heat Sink for Q602 |
| RDA701 | PRDARA119WJFW | AF | | R | Heat Sink for IC701 |
| [4] CRT UNIT | | | | | |
| Q853 | RH-TX0110BMZZ+ | AC | | R | TX0110 |
| Q854 | RH-TX0110BMZZ+ | AC | | R | TX0110 |
| Q855 | RH-TX0110BMZZ+ | AC | | R | TX0110 |
| Q894 | VS2SA1530AR-1Y | AB | | R | 2SA1530AR |
| D859 | VHDHSS4148+-1Y | AA | | R | Diode |
| D896 | VHEZJ5R6C++1EY | AA | | R | Zener Diode , 5.6V |
| D898 | VHDHSS4148+-1Y | AA | | R | Diode |
| L851 | VP-MK820K0000+ | AB | | R | Peaking 82mH |
| C851 | VCKYPA1HB681K+ | AA | | R | 680p 50V Ceramic |
| C852 | VCKYPA1HB681K+ | AA | | R | 680p 50V Ceramic |
| C853 | VCKYPA1HB471K+ | AA | | R | 470p 50V Ceramic |
| C880 | RC-KZ0016CEZZ | AC | | R | 10000p 1.5KV Ceramic |
| C893 | VCEA0A1CV336M+ | AB | | R | 33 16V Electrolytic |
| R849 | VRS-CY1JF271JY | AA | | R | 270 1/16W Metal Oxide |
| R850 | VRS-CY1JF470JY | AA | | R | 47 1/16W Metal Oxide |
| R854 | VRS-CY1JF271JY | AA | | R | 270 1/16W Metal Oxide |
| R855 | VRS-CY1JF271JY | AA | | R | 270 1/16W Metal Oxide |
| R856 | VRS-CY1JF470JY | AA | | R | 47 1/16W Metal Oxide |
| R857 | VRS-CY1JF470JY | AA | | R | 47 1/16W Metal Oxide |
| R859 | VRS-VV3DB183J | AA | | R | 18K 12W Metal Oxide |
| R861 | VRS-VV3DB183J | AA | | R | 18K 12W Metal Oxide |
| R863 | VRS-VV3DB183J | AA | | R | 18K 12W Metal Oxide |
| R864 | VRD-RA2BE470JY | AA | | R | 47 1/8W Carbon |
| R876 | VRS-CY1JF121JY | AA | | R | 120 1/16W Metal Oxide |
| R877 | VRS-CY1JF121JY | AA | | R | 120 1/16W Metal Oxide |
| R878 | VRS-CY1JF121JY | AA | | R | 120 1/16W Metal Oxide |
| R880 | VRD-RM2HD332JY | AA | | R | 3.3K 1/2W Carbon |
| R881 | VRD-RM2HD332JY | AA | | R | 3.3K 1/2W Carbon |
| R882 | VRD-RM2HD332JY | AA | | R | 3.3K 1/2W Carbon |
| R891 | VRS-CY1JF821JY | AA | | R | 820 1/16W Metal Oxide |
| R892 | VRS-CY1JF391JY | AA | | R | 390 1/16W Metal Oxide |
| R894 | VRS-CY1JF152JY | AA | | R | 1.5K 1/16W Metal Oxide |
| R895 | VRD-RA2BE561JY | AA | | R | 560 1/8W Carbon |
| P860 | LHLDW1104PEZZ | AB | | R | Plug 4Pin (H) |
| P880 | LHLDW1105PEZZ | AB | | R | Plug 5Pin (K) |
| SC882 | QSOCA022WJZZ | AE | | R | Socket , 12Pin |
| ACC701 | | | | | |
| SP301 | QACCZA079WJPZ | | | R | AC Cord |
| | VSP9050PA02WA | AH | | R | SPEAKER 16 OHM |
| | QCNW-2206PEZZ | | | R | SP WIRE (+--+) |

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION |
|---------------------------------|---------------|---------------|-------------|------------------|------------------------------|
| [4] CRT UNIT | | | | | |
| | QCNW-A343WJZZ | | | R | H-WIRE |
| | QCNW-A721WJZZ | | | R | K-WIRE |
| [5] SUPPLIED ACCESSORIES | | | | | |
| | RRMCGA257WJSB | | | R | Infrared Remote Control Unit |
| | TINS-D308WJZZ | | | R | Operation Manual |
| | UBATUA004WJZZ | | | R | Battery |

[6] CABINET PARTS

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION |
|--------------------------|---------------|------------|----------|---------------|---------------------|
| [6] CABINET PARTS | | | | | |
| 1 | CCABAB906WEV0 | - | | R | Front Cabinet Ass'y |
| 1-1 | Not Available | - | | - | Front Cabinet |
| 1-2 | JBTN-A689WJSA | - | | R | Power Button |
| 1-3 | MSPRCA067WJFW | - | | R | Power Button Spring |
| 1-4 | GCOVAC351WJSA | - | | R | R/C & LED Cover |
| 1-5 | JBTN-A678WJSA | - | | R | Control Button |
| 2 | CCABBA134WEV1 | - | | R | Rear Cabinet Ass'y |
| 2-1 | Not Available | - | | - | Rear Cabinet |

[7] PACKING PARTS



| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART DELIVERY | DESCRIPTION |
|--------------------------|---------------|------------|----------|---------------|------------------|
| [7] PACKING PARTS | | | | | |
| 3 | SPAKCD667WJZZ | - | | - | Packing Case |
| 4 | SPAKP0056PEZZ | - | | - | Miramat Sheet |
| 5 | SPAKXB557WJZZ | - | | - | Buffer Material |
| 6 | SSAKA0001PEZZ | - | | - | Polyethylene Bag |

■INDEX

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|----------------|----------|---------------|-------------|--------------|
| 【 C 】 | | | | |
| CCABAB906WEV0 | 6-1 | - | | R |
| CCABBA134WEV1 | 6-2 | - | | R |
| 【 D 】 | | | | |
| DUNTKE161WEA1 | 2- | - | | - |
| DUNTKE162WEA1 | 2- | - | | - |
| 【 G 】 | | | | |
| GCOVAC351WJSA | 6-1-4 | - | | R |
| 【 J 】 | | | | |
| JBTN-A678WJSA | 6-1-5 | - | | R |
| JBTN-A689WJSA | 6-1-2 | - | | R |
| 【 L 】 | | | | |
| LHLDW1104PEZZ | 3-P602 | AB | | R |
| " | 4-P860 | AB | | R |
| LHLDW1105PEZZ | 3-P1001 | AB | | R |
| " | 4-P880 | AB | | R |
| 【 M 】 | | | | |
| MSPRCA067WJFW | 6-1-3 | - | | R |
| 【 N 】 | | | | |
| Not Available | 6-1-1 | - | | - |
| " | 6-2-1 | - | | - |
| 【 P 】 | | | | |
| PMAGF3045CEZZ | 1- | | | R |
| PRDAR0337PEFW | 3-RDA602 | | | R |
| PRDARA119WJFW | 3-RDA701 | AF | | R |
| PRDARA121WJFW | 3-RDA501 | AD | | R |
| PRDARA420WJFW | 3-RDA301 | | | R |
| 【 Q 】 | | | | |
| QACCZA079WJPZ | 4-SP301 | | | R |
| QCNW-2206PEZZ | 4- | | | R |
| QCNW-A343WJZZ | 4- | | | R |
| QCNW-A721WJZZ | 4- | | | R |
| QEARC1422PEZZ | 1- | | | R |
| QFS-C3225CEZZ | 3-F701 | AC | | R |
| QFSDH1013CEZZ+ | 3-FH701 | AC | | R |
| QFSDH1014CEZZ+ | 3-FH702 | AC | | R |
| QJAKE0210CE02 | 3-J1404 | | | R |
| QJAKEA056WJ04 | 3-J402 | | | R |
| QJAKEA056WJ09 | 3-J403 | | | R |
| QJAKH0044AJZZ | 3-J405 | | | R |
| QJUM-0001AJFWY | 3-R508 | | | R |
| " | 3-R509 | | | R |
| QPLGN0260CEZZ | 3-P701 | AC | | R |
| QPLGN0269GEZZ | 3-P702 | AB | | R |
| QPLGN0660CEZZ | 3-P601 | AC | | R |
| QPLGNA107WJZZ | 3-P301 | | | R |
| QPLGNA110WJZZ | 3-P1003 | | | R |
| QSOCA022WJZZ | 4-SC882 | AE | | R |
| QSW-KA019WJZZ+ | 3-S1001 | AC | | R |
| " | 3-S1002 | AC | | R |
| " | 3-S1003 | AC | | R |
| " | 3-S1004 | AC | | R |
| QSW-P0612CEZZ | 3-S701 | AG | | R |
| 【 R 】 | | | | |
| RC-EZA095WJZZ | 3-C705 | AM | | R |
| RC-EZA235WJZZ | 3-C753 | AD | | R |
| RC-EZA522WJZZ | 3-C754 | AD | | R |
| RC-FZ032SCEZZ | 3-C701 | AD | | R |
| RCILFA187WJZZ | 3-L701 | AD | | R |
| RCILGA114WJZZ | 1- | | | R |
| RC-KZ0016CEZZ | 4-C880 | AC | | R |
| RC-KZ0029CEZZ+ | 3-C702 | AC | | R |
| " | 3-C703 | AC | | R |
| " | 3-C704 | AC | | R |
| RC-KZ0102GEZZ | 3-C713 | AC | | R |
| RCSRSA058WJZZ | 3-X801 | | | R |
| RFILCA055WJQZS | 3-SF201 | | | R |
| RH-DX0066GEZZY | 3-D706 | AC | | R |
| " | 3-D707 | AC | | R |
| " | 3-D709 | AC | | R |
| " | 3-D721 | AC | | R |
| RH-DX0131CEZZY | 3-D510 | AC | | R |
| " | 3-D511 | AC | | R |
| " | 3-D606 | AC | | R |
| " | 3-D720 | AC | | R |
| RH-DX0247CEZZ | 3-D752 | AE | | R |
| RH-DX0302CEZZ | 3-D393 | AE | | R |
| RH-DX0441CEZZY | 3-D505 | AC | | R |
| RH-DX0476CEZZ | 3-D701 | AG | | R |
| RH-DXA044WJZZ | 3-D751 | | | R |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|----------------|-----------|---------------|-------------|--------------|
| RH-EX0277TAZZY | 3-D801 | AA | | R |
| " | 3-D802 | AA | | R |
| " | 3-D803 | AA | | R |
| RH-EX0612GEZZY | 3-D503 | AB | | R |
| RH-EX1393CEZZY | 3-D806 | AB | | R |
| " | 3-D1003 | AB | | R |
| " | 3-D1004 | AB | | R |
| RH-IXC227WJZZQ | 3-IC801 | | | R |
| RH-PX0013PEZZ | 3-D1001 | AC | | R |
| RH-TX0110BMZZ+ | 4-Q853 | AC | | R |
| " | 4-Q854 | AC | | R |
| " | 4-Q855 | AC | | R |
| RH-VXA182WJZZ | 3-VA701 | | | R |
| RMPTP0028CEZZ | 3-PR702 | | | R |
| RR-DZ0049CEZZY | 3-R752 | | | R |
| RRMCGA257WJSB | 5- | | | R |
| RRMCUA050WJZZ | 3-RMC1001 | | | R |
| RTRNFA140WJZZ | 3-T602 | | | R |
| RTRNWA287WJZZ | 3-T702 | | | R |
| RTRNZA058WJZZ | 3-T603 | AD | | R |
| RTUNQA037WJZZ | 3-TU201 | | | R |
| 【 S 】 | | | | |
| SPAKCD667WJZZ | 7-3 | - | | - |
| SPAKP0056PEZZ | 7-4 | - | | - |
| SPAKXB557WJZZ | 7-5 | - | | - |
| SSAKA0001PEZZ | 7-6 | - | | - |
| 【 T 】 | | | | |
| TINS-D308WJZZ | 5- | | | R |
| 【 U 】 | | | | |
| UBATUA004WJZZ | 5- | | | R |
| 【 V 】 | | | | |
| VB370BVBK1S9E | 1- | | | R |
| VCCCCY1HH101JY | 3-C1005 | AA | | R |
| VCE9GA1HW225M+ | 3-C372 | AB | | R |
| " | 3-C395 | AB | | R |
| VCEA0A1AW107M+ | 3-C758 | AB | | R |
| " | 3-C846 | AB | | R |
| " | 3-C1001 | AB | | R |
| VCEA0A1AW108M+ | 3-C202 | AC | | R |
| " | 3-C307 | AC | | R |
| VCEA0A1CW106M+ | 3-C370 | AB | | R |
| " | 3-C383 | AB | | R |
| " | 3-C810 | AB | | R |
| " | 3-C827 | AB | | R |
| " | 3-C829 | AB | | R |
| " | 3-C831 | AB | | R |
| " | 3-C833 | AB | | R |
| " | 3-C847 | AB | | R |
| " | 3-C1003 | AB | | R |
| VCEA0A1CW336M+ | 3-C306 | AB | | R |
| " | 4-C893 | AB | | R |
| VCEA0A1CW476M+ | 3-C722 | AC | | R |
| " | 3-C816 | AB | | R |
| " | 3-C818 | AB | | R |
| VCEA0A1CW477M+ | 3-C451 | AC | | R |
| " | 3-C516 | AC | | R |
| " | 3-C721 | AC | | R |
| VCEA0A1EW108M+ | 3-C393 | AD | | R |
| VCEA0A1EW228M+ | 3-C756 | AE | | R |
| VCEA0A1EW476M+ | 3-C301 | AB | | R |
| VCEA0A1EW477M+ | 3-C308 | AD | | R |
| VCEA0A1HW104M+ | 3-C1853 | AB | | R |
| VCEA0A1HW105M+ | 3-C304 | AB | | R |
| VCEA0A1HW106M+ | 3-C206 | AB | | R |
| " | 3-C1859 | AB | | R |
| VCEA0A1HW107M+ | 3-C505 | AB | | R |
| VCEA0A1HW475M+ | 3-C211 | AB | | R |
| " | 3-C314 | AB | | R |
| " | 3-C602 | AB | | R |
| " | 3-C808 | AB | | R |
| " | 3-C825 | AB | | R |
| " | 3-C843 | AB | | R |
| VCEA0A1HW476M+ | 3-C719 | AB | | R |
| VCEA0A1VW477M+ | 3-C511 | AB | | R |
| VCEA0A2EW336M+ | 3-C604 | AD | | R |
| VCFPVC2EB334J | 3-C611 | AD | | R |
| VCFPVC3ZA612H | 3-C607 | AD | | R |
| VCFYAA2AA224J+ | 3-C508 | AD | | R |
| VCFYFA1HA103J+ | 3-C844 | AA | | R |
| VCFYFA1HA105J+ | 3-C706 | AE | | R |
| VCFYFA1HA154J+ | 3-C835 | AA | | R |
| VCFYFA1HA224J+ | 3-C840 | AA | | R |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|-----------------|---------|------------|----------|-----------|
| VCFYFA1HM104J+ | 3-C1081 | AA | | R |
| VCKYCY1AB105KY | 3-C820 | AA | | R |
| " | 3-C822 | AA | | R |
| " | 3-C842 | AA | | R |
| VCKYCY1CF224ZY | 3-C845 | AB | | R |
| VCKYCY1CF474ZY | 3-C1004 | AB | | R |
| VCKYCY1EF104ZY | 3-C1016 | AA | | R |
| VCKYCY1HB102KY | 3-C836 | AA | | R |
| " | 3-C837 | AA | | R |
| VCKYCY1HB103KY | 3-C817 | AA | | R |
| " | 3-C832 | AA | | R |
| VCKYCY1HB103ZY | 3-C207 | AA | | R |
| " | 3-C208 | AA | | R |
| " | 3-C209 | AA | | R |
| " | 3-C210 | AA | | R |
| VCKYCY1HB104KY | 3-C759 | AA | | R |
| " | 3-C809 | AA | | R |
| " | 3-C812 | AA | | R |
| " | 3-C815 | AA | | R |
| " | 3-C826 | AA | | R |
| " | 3-C828 | AA | | R |
| " | 3-C830 | AA | | R |
| " | 3-C848 | AA | | R |
| VCKYCY1HB153KY | 3-C305 | AA | | R |
| VCKYCY1HB223KY | 3-C839 | AA | | R |
| VCKYCY1HF103ZY | 3-C203 | AA | | R |
| VCKYCY1HF224ZY | 3-C1852 | AA | | R |
| VCKYPA1HB102K+ | 3-C391 | AA | | R |
| VCKYPA1HB221K+ | 3-C708 | AB | | R |
| VCKYPA1HB222K+ | 3-C711 | AB | | R |
| VCKYPA1HB471K+ | 4-C853 | AA | | R |
| VCKYPA1HB681K+ | 4-C851 | AA | | R |
| " | 4-C852 | AA | | R |
| VCKYPA2HB101K+ | 3-C650 | AB | | R |
| VCKYPA2HB102K+ | 3-C512 | AA | | R |
| " | 3-C515 | AA | | R |
| " | 3-C606 | AA | | R |
| " | 3-C720 | AA | | R |
| " | 3-C750 | AA | | R |
| VCKYPH3DB561K | 3-C752 | AC | | R |
| " | 3-C784 | AC | | R |
| VCQYTA1HM103J+ | 3-C709 | AB | | R |
| VCQYTA1HM222J+ | 3-C710 | AB | | R |
| VCQYTA1HM472J+ | 3-C608 | AB | | R |
| VCQYTA1HM563J+ | 3-C601 | AB | | R |
| VCQYTA1HM682J+ | 3-C841 | AB | | R |
| VHD1SS244/-1Y | 3-D602 | AB | | R |
| VHDHSS4148+-1Y | 3-D203 | AA | | R |
| " | 3-D204 | AA | | R |
| " | 3-D302 | AA | | R |
| " | 3-D303 | AA | | R |
| " | 3-D605 | AA | | R |
| " | 3-D607 | AA | | R |
| " | 3-D710 | AA | | R |
| " | 3-D725 | AA | | R |
| " | 3-D759 | AA | | R |
| " | 3-D764 | AA | | R |
| " | 3-D804 | AA | | R |
| " | 3-D805 | AA | | R |
| " | 3-D1005 | AA | | R |
| " | 3-D1007 | AA | | R |
| " | 3-D1008 | AA | | R |
| " | 4-D859 | AA | | R |
| " | 4-D898 | AA | | R |
| VHEZJ12B+++1EY | 3-D301 | AA | | R |
| " | 3-D723 | AA | | R |
| " | 3-D808 | AC | | R |
| VHEZJ27B+++1EY | 3-D603 | AA | | R |
| VHEZJ27D+++1EY | 3-D722 | AA | | R |
| VHEZJ33C+++1EY | 3-D201 | AA | | R |
| VHEZJ36C+++1EY | 3-D736 | AB | | R |
| VHEZJ3R3A+++1EY | 3-D758 | | | R |
| VHEZJ4R3B+++1EY | 3-D724 | | | R |
| VHEZJ5R1A+++1EY | 3-D754 | | | R |
| VHEZJ5R1B+++1EY | 3-D807 | AC | | R |
| VHEZJ5R6B+++1EY | 3-D608 | AA | | R |
| " | 3-D715 | AA | | R |
| VHEZJ5R6C+++1EY | 4-D896 | AA | | R |
| VHEZJ8R2A+++1EY | 3-D732 | AB | | R |
| VHEZJ8R2B+++1EY | 3-D760 | AB | | R |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|----------------|---------|------------|----------|-----------|
| VHIBR24L08F-1Y | 3-C1003 | AE | | R |
| VHILA42031E-1 | 3-C301 | | | R |
| VHISTRW5453-1 | 3-C701 | AM | | R |
| VHISTV9302B-1 | 3-C501 | | | R |
| VP-DF100K0000Y | 3-L804 | AB | | R |
| " | 3-L805 | AB | | R |
| " | 3-L807 | AB | | R |
| VP-DF270K0000Y | 3-L203 | AB | | R |
| VP-MK820K0000+ | 4-L851 | AB | | R |
| VP-XF100K0000Y | 3-L808 | AB | | R |
| " | 3-L809 | AB | | R |
| " | 3-L810 | AB | | R |
| VP-XF1R2K0000Y | 3-L204 | AB | | R |
| VP-XF2R7K0000Y | 3-L205 | AB | | R |
| VP-XF4R7K0000Y | 3-L802 | AB | | R |
| " | 3-L812 | AB | | R |
| " | 3-L813 | AB | | R |
| VRD-RA2BE101JY | 3-R201 | AA | | R |
| " | 3-R202 | AA | | R |
| " | 3-R323 | AA | | R |
| " | 3-R803 | AA | | R |
| " | 3-R804 | AA | | R |
| " | 3-R805 | AA | | R |
| " | 3-R806 | AA | | R |
| " | 3-R816 | AA | | R |
| " | 3-R817 | AA | | R |
| " | 3-R818 | AA | | R |
| " | 3-R830 | AA | | R |
| " | 3-R831 | AA | | R |
| " | 3-R862 | AA | | R |
| " | 3-R1004 | AA | | R |
| " | 3-R1005 | AA | | R |
| " | 3-R1007 | AA | | R |
| " | 3-R1008 | AA | | R |
| " | 3-R1010 | AA | | R |
| " | 3-R1011 | AA | | R |
| " | 3-R1012 | AA | | R |
| " | 3-R1013 | AA | | R |
| " | 3-R1014 | AA | | R |
| " | 3-R1019 | AA | | R |
| VRD-RA2BE103JY | 3-R637 | AA | | R |
| " | 3-R845 | AA | | R |
| " | 3-R1029 | AA | | R |
| " | 3-R1035 | AA | | R |
| VRD-RA2BE151JY | 3-R431 | AA | | R |
| VRD-RA2BE181JY | 3-R848 | AA | | R |
| " | 3-R1028 | AA | | R |
| VRD-RA2BE221JY | 3-R704 | AA | | R |
| VRD-RA2BE222JY | 3-R627 | AA | | R |
| VRD-RA2BE223JY | 3-R304 | AA | | R |
| " | 3-R812 | AA | | R |
| VRD-RA2BE273JY | 3-R603 | AA | | R |
| " | 3-R733 | AA | | R |
| " | 3-R751 | AA | | R |
| VRD-RA2BE332JY | 3-R837 | AA | | R |
| VRD-RA2BE391JY | 3-R811 | AA | | R |
| VRD-RA2BE393GY | 3-R829 | AA | | R |
| VRD-RA2BE393JY | 3-R602 | AA | | R |
| VRD-RA2BE470JY | 3-R813 | AA | | R |
| " | 3-R820 | AA | | R |
| " | 4-R864 | AA | | R |
| VRD-RA2BE471JY | 3-R758 | AA | | R |
| " | 3-R808 | AA | | R |
| VRD-RA2BE561JY | 4-R895 | AA | | R |
| VRD-RA2BE563JY | 3-R604 | AA | | R |
| VRD-RA2BE680JY | 3-R1032 | AA | | R |
| VRD-RA2BE683JY | 3-R721 | AA | | R |
| VRD-RA2BE822JY | 3-R301 | AA | | R |
| VRD-RA2EE102JY | 3-R727 | AA | | R |
| VRD-RA2EE472JY | 3-R720 | AA | | R |
| VRD-RA2EE750JY | 3-R459 | AA | | R |
| VRD-RA2EE821JY | 3-R761 | AA | | R |
| VRD-RM2HD100JY | 3-R764 | AA | | R |
| " | 3-R765 | AA | | R |
| " | 3-R766 | AA | | R |
| VRD-RM2HD124JY | 3-R753 | AA | | R |
| VRD-RM2HD151JY | 3-R827 | AA | | R |
| VRD-RM2HD154JY | 3-R605 | AA | | R |
| VRD-RM2HD184JY | 3-R625 | AA | | R |
| VRD-RM2HD1R0JY | 3-R325 | AA | | R |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|----------------|---------|------------|----------|-----------|
| " | 3-R507 | AA | | R |
| VRD-RM2HD270JY | 3-R609 | AA | | R |
| " | 3-R612 | AA | | R |
| VRD-RM2HD332JY | 4-R880 | AA | | R |
| " | 4-R881 | AA | | R |
| " | 4-R882 | AA | | R |
| VRD-RM2HD471JY | 3-R639 | AA | | R |
| VRD-RM2HD5R6JY | 3-R710 | AA | | R |
| VRN-RG2HC150J+ | 3-R621 | AB | | R |
| VRN-RL2HCR47J+ | 3-R726 | AB | | R |
| VRN-RL3AB1R2J+ | 3-R611 | AB | | R |
| VRN-RL3AB3R9J+ | 3-R755 | AB | | R |
| VRN-RL3AB8R2J+ | 3-R763 | AB | | R |
| VRN-RL3ABR10J+ | 3-R391 | AA | | R |
| VRN-RL3DB2R7J+ | 3-R503 | AB | | R |
| VRN-RL3DBR22J+ | 3-R706 | AB | | R |
| VRN-RL3DBR82J+ | 3-R705 | AA | | R |
| VRN-RL3LBR18J+ | 3-R606 | AD | | R |
| VRN-RL3LBR22J+ | 3-R608 | AD | | R |
| VRS-CY1JF000JY | 3-RJ14 | AA | | R |
| " | 3-RJ17 | AA | | R |
| " | 3-RJ22 | AA | | R |
| " | 3-RJ23 | AA | | R |
| VRS-CY1JF100JY | 3-R810 | AA | | R |
| VRS-CY1JF101JY | 3-R638 | AA | | R |
| " | 3-R819 | AA | | R |
| " | 3-R822 | AA | | R |
| " | 3-R834 | AA | | R |
| " | 3-R1017 | AA | | R |
| " | 3-R1024 | AA | | R |
| " | 3-R1031 | AA | | R |
| " | 3-R1038 | AA | | R |
| " | 3-R1039 | AA | | R |
| VRS-CY1JF102JY | 3-R324 | AA | | R |
| " | 3-R615 | AA | | R |
| " | 3-R616 | AA | | R |
| " | 3-R821 | AA | | R |
| VRS-CY1JF103JY | 3-R213 | AA | | R |
| " | 3-R365 | AA | | R |
| " | 3-R372 | AA | | R |
| " | 3-R383 | AA | | R |
| " | 3-R458 | AA | | R |
| " | 3-R815 | AA | | R |
| " | 3-R824 | AA | | R |
| " | 3-R1037 | AA | | R |
| VRS-CY1JF104JY | 3-R322 | AA | | R |
| " | 3-R839 | AA | | R |
| " | 3-R1027 | AA | | R |
| VRS-CY1JF121JY | 4-R876 | AA | | R |
| " | 4-R877 | AA | | R |
| " | 4-R878 | AA | | R |
| VRS-CY1JF122JY | 3-R315 | AA | | R |
| " | 3-R1036 | AA | | R |
| VRS-CY1JF123JY | 3-R617 | AA | | R |
| " | 3-R833 | AA | | R |
| VRS-CY1JF151JY | 3-R462 | AA | | R |
| VRS-CY1JF152JY | 3-R1020 | AA | | R |
| " | 3-R1025 | AA | | R |
| " | 4-R894 | AA | | R |
| VRS-CY1JF154JY | 3-R614 | AA | | R |
| VRS-CY1JF181JY | 3-R1022 | AA | | R |
| VRS-CY1JF183JY | 3-R515 | AA | | R |
| VRS-CY1JF221JY | 3-R207 | AA | | R |
| " | 3-R208 | AA | | R |
| " | 3-R220 | AA | | R |
| " | 3-R432 | AA | | R |
| VRS-CY1JF222JY | 3-R513 | AA | | R |
| " | 3-R618 | AA | | R |
| " | 3-R807 | AA | | R |
| " | 3-R1023 | AA | | R |
| VRS-CY1JF271JY | 4-R849 | AA | | R |
| " | 4-R854 | AA | | R |
| " | 4-R855 | AA | | R |
| VRS-CY1JF272JY | 3-R206 | AA | | R |
| " | 3-R520 | AA | | R |
| VRS-CY1JF274JY | 3-R305 | AA | | R |
| VRS-CY1JF332JY | 3-R1006 | AA | | R |
| " | 3-R1015 | AA | | R |
| " | 3-R1016 | AA | | R |
| " | 3-R1078 | AA | | R |
| " | 3-R1079 | AA | | R |
| VRS-CY1JF333JY | 3-R825 | AA | | R |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|-----------------|---------|------------|----------|-----------|
| VRS-CY1JF391JY | 3-R814 | AA | | R |
| " | 3-R828 | AA | | R |
| " | 4-R892 | AA | | R |
| VRS-CY1JF392JY | 3-R209 | AA | | R |
| VRS-CY1JF470JY | 4-R850 | AA | | R |
| " | 4-R856 | AA | | R |
| " | 4-R857 | AA | | R |
| VRS-CY1JF472JY | 3-R626 | AA | | R |
| VRS-CY1JF473JY | 3-R303 | AA | | R |
| VRS-CY1JF561JY | 3-R314 | AA | | R |
| " | 3-R1021 | AA | | R |
| VRS-CY1JF563JY | 3-R214 | AA | | R |
| VRS-CY1JF680JY | 3-R205 | AA | | R |
| VRS-CY1JF681JY | 3-R1026 | AA | | R |
| VRS-CY1JF682JY | 3-R366 | AA | | R |
| " | 3-R384 | AA | | R |
| VRS-CY1JF750JY | 3-R461 | AA | | R |
| VRS-CY1JF821JY | 4-R891 | AA | | R |
| VRS-RG3AB124J+ | 3-R702 | AB | | R |
| VRS-RG3AB151J+ | 3-R754 | AB | | R |
| VRS-RG3AB331J+ | 3-R506 | AB | | R |
| VRS-RG3DB682J+ | 3-R622 | AB | | R |
| VRS-RG3LB391J+ | 3-R631 | AC | | R |
| VRS-RG3LB393J+ | 3-R216 | AC | | R |
| VRS-VV3AB101J | 3-R607 | AA | | R |
| VRS-VV3AB121J | 3-R601 | AA | | R |
| VRS-VV3DB183J | 4-R859 | AA | | R |
| " | 4-R861 | AA | | R |
| " | 4-R863 | AA | | R |
| VS2SA1530AR-1Y | 3-Q302 | AB | | R |
| " | 4-Q894 | AB | | R |
| VS2SC2235Y/1E+ | 3-Q601 | AE | | R |
| VS2SC2735/1EY | 3-Q201 | | | R |
| VS2SC3198-G/-1+ | 3-Q754 | AD | | R |
| " | 3-Q755 | AD | | R |
| VS2SC3198-G-1+ | 3-Q603 | AA | | R |
| VS2SC3928AR-1Y | 3-Q801 | AB | | R |
| " | 3-Q803 | AB | | R |
| " | 3-Q1070 | AB | | R |
| VS2SD468-C/-1+ | 3-Q751 | AD | | R |
| VSP9050PA02WA | 4- | AH | | R |
| VSTT2140+++F | 3-Q602 | AG | | R |

