

PA

No. 0095

32CX32B/CY55B

SERVICE MANUAL

NTSC

A3LXU3

R/C: CLU-362U

Models 32CX32B and 32CX10B are in the same Solid State Color Television family. The difference between the 32CX32B and the 32CX10B is the remote control and the CRT. Please refer to model 32CX10B schematics, assembly, wiring, test, and troubleshooting information when servicing model 32CX32B. Refer to Service Manual PA No. 0064 issued in March 1996 and PA No. 0052 issued in AUGUST 1995. Refer to Service Manual PA No. 0064 and PA No. 0053 for the technical information regarding the "Description of Circuit" and "IC's and Transistors Functions" issued in March 1996 and November 1995 respectively. 31CX6B

REPLACEMENT PARTS LIST

This parts list only gives parts which are different from the service manual PA No.0052. PRODUCT SAFETY NOTE: Components marked with a \triangle have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this service manual. Do not degrade the safety of the receiver through improper servicing.

| SYMBOL NO. | PART NO. | DESCRIPTION |
|---------------|-------------|--------------------------|
| N201 | QR20861 | Instruction Book English |
| N201 | QR20871 | Instruction Book French |
| E301 | HL00701 | Remote Control CLU-362U |
| E601 | BY00821 | DY-32V 110°SVC |
| V1 | DE01371 | CRT A80LJF30X (W) |
| SP451 | GK00261 | 5 Watts/4 Ohms |
| SP452 | GK00261 | 5 Watts/4 Ohms |
| RVIN | 0700037M | 560 Ohms/1/16 W Resistor |
| l001 | CP03142 | Micon LC8641464B-5B88 |

ECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

SOLID STATE COLOR TELEVISION

JUNE 1997

HHEA-MANUFACTURING DIVISION



SERVICE MANUAL

NTSC

A3LXU2

NO. 0064

32CX10B/CY55

RIC: CLU-411U

Model 32CX10B and 31CX5B are in the same Solid State Color Television family. The difference between the 32CX10B and the 31CX5B is the speaker and the CPT. Please refer to model 31CX5B schematics, assembly, wiring, test, and troubleshooting information when servicing model 32CX10B. Refer to Service Manual PA NO. 0052 issued in August 1995. Refer to Service Manual PA No. 0053 for the technical information regarding the "Description of Circuit" and "IC's and Transistors Functions" issued in November 1995.

REPLACEMENT PARTS LIST

This parts list only gives parts which are different from the service manual PA. NO. 0052. PRODUCT SAFETY NOTE: Components marked with a \triangle have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this service manual. Do not degrade the safety of the receiver through improper servicing.

| SYMBOL NO. | PART NO | DESCRIPTION |
|---------------|------------|--------------------------|
| N201 | QR06971 | Instruction Book English |
| N201 | QR06101 | Instruction Book French |
| SP451 | GK00181 | Speaker 4Ω/5W |
| SP452 | GK00181 | Speaker 4Ω/5W |
| V1 | DE00961 | CPT A80LJF30X |

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

SOLID STATE COLOR TELEVISION

March 1996

HHEA-MANUFACTURING DIVISION



SERVICE MANUAL

NTSC

A3LXU2 CHASSIS

PA

No. 0052

35TX20B/CZ52 32CX7B/CY57 31CX6B/CY56

31CX5B/CY55 3503TB/CZ52 3194TB/CY56

R/C: CLU-415UI

CLU-412U

CLU-411U

CAUTION:

Before servicing this chassis, it is important that the service technician read the "Safety Precautions" and "Product Safety Notices" in this Service Manual.

This television receiver will display television Closed Captioning (CC or) in accordance with paragraph 15.119 of the FCC rules.

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Model 3503TB is the same as the 35TX20B CTV Model. Model 3194TB is the same as the 31CX6B CTV Model. Please refer to Model 35TX20B and 31CX6B schematics, assembly, wiring, test and troubleshooting information when servicing Model 3503TB and 3194TB.

REPLACEMENT PARTS LIST

This parts list only gives parts which are different from the 35TX20B and 3194TB

| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|---------------|----------|----------------|---------------|----------|------------------|
| E301 | HL00226 | REMOTE CONTROL | N201 | H461772 | INSTRUCTION BOOK |

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

SOLID STATE COLOR TELEVISION

AUGUST 1995

HHEA - MANUFACTURING DIVISION

SAFETY PRECAUTIONS

NOTICE: Comply with all cautions and safety related notes located on or inside the cabinet and on the chassis or picture tube.

WARNING: Since the chassis of this receiver is connected to one side of the AC power supply during operation, whenever the receiver is plugged in, service should not be attempted by anyone unfamiliar with the precautions necessary when working on this type of receiver.

The following precautions should be observed:

- 1. Do not install, remove, or handle the picture tube in any manner unless shatterproof goggles are worn. People not so equipped should be kept away from the picture tube while handling.
- 2. When service is required, an isolation transformer should be inserted between power line and the receiver before any service is performed on a "HOT" chassis receiver.
- 3. When replacing a chassis in the receiver, all the protective devices must be put back in place, such as barriers, nonmetallic knobs, adjustment and compartment covershields, isolation resistors, capacitors, etc.
- 4. When service is required, observe the original lead dress in the high voltage circuitry area.
- 5. Always use the manufacturer's replacement components. Critical components as indicated on the circuit diagram should not be replaced by another manufacturer's. Furthermore, where a short circuit has occurred, replace those components that indicate evidence of overheating.
- 6. Before returning a serviced receiver to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the receiver by the manufacturer has become defective, or inadvertently defeated during servicing.

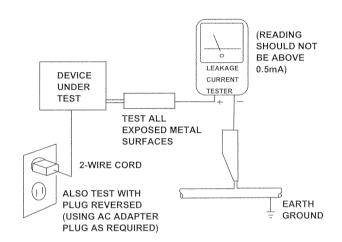
Therefore, the following checks should be performed for the continued protection of the customer and service technician.

Leakage Current Cold Check

With the AC plug removed from the 120V AC 60Hz source, place a jumper across the two plug prongs. Turn the AC power switch ON using an insulation tester (DC500V), connect one lead to the jumpered AC plug and touch the other lead to each exposed metal part (antennas, screwheads, metal overlays, control shafts, etc.), particularly any exposed metal part having a return path to the chassis should have a minimum resistor reading of $0.24 M\Omega$ and a maximum resistor reading of $5.2 M\Omega$. Any resistance value below or above this range indicates an abnormality which requires corrective action. Exposed metal part not having a return path to the chassis will indicate an open circuit.

Leakage Current Hot Check

Plug the AC line cord directly into an AC 120V 60Hz outlet (do not use an isolation transformer for this check). Turn the AC power ON. Using a "leakage Current Tester (Simpson's Model 229 or equivalent)", measure for current from all exposed metal parts of the cabinet (antennas, screwheads, overlays, control shafts, etc.) particularly any exposed metal part having a return path to the chassis or to a known earth ground (water pipe, conduit, etc.). Any current measured must not exceed 0.5mA.



AC LEAKAGE TEST

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE RECEIVER TO THE CUSTOMER.

High Voltage

This receiver is provided with a hold down circuit for clearly indicating that voltage has increased in excess of a predetermined value. Comply with all notes described in this Service Manual regarding this hold down circuit when servicing, so that this hold down circuit is operated correctly.

Serviceman Warning

With minimum BRIGHTNESS and CONTRAST, the operating high voltage in this receiver is lower than 37.0kV. In case any component having influence on the high voltage is replaced, confirm that high voltage with minimum BRIGHTNESS and CONTRAST is lower than 37.0kV. To measure high voltage use a high impedance High Voltage Meter. Connect (-) to chassis earth and (+) to the CPT Anode button (See the following connection diagram).

NOTE: Turn the power switch OFF without fail before the connection to the Anode button is made.

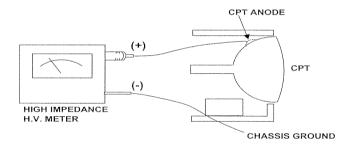
PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in HITACHI television receivers have special safety related characteristics. These are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacements parts which have these special safety characteristics are identified in this Model Service Manual.

Electrical components having such features are identified with an Λ mark in the schematics and parts list in this Model Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the HITACHI recommended replacement one, shown in the parts list in this Model Service Manual, may create shock, fire, X-Radiation, or other hazards.

Production Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current HITACHI Service Manual. A subscription to, or additional copies of HITACHI Service Manual may be obtained at a nominal charge from HITACHI SALES CORPORATION.



X-Radiation

TUBE: The primary source of X-Radiation in this receiver is the picture tube. The tube utilized in this chassis is specially constructed to limit X-Radiation emission. For continued X-Radiation protection, the replacement tube must be the same type as the original HITACHI approved type.

When troubleshooting and making test measurements in a receiver with an excessive high voltage problem, avoid coming unnecessarily close to the picture tube and the high voltage component.

Do not operate the chassis longer than is necessary to locate the cause of the excessive voltage.

This Service Manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the product and its safety. Consumers should not risk trying to do the necessary repairs and should instead refer to a qualified service technician.

WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm

(California Health and Safety Code, Section 25249.5).

When servicing or handling circuit boards and other components with lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

SAFETY NOTICE USE ISOLATION TRANSFORMER WHEN SERVICING

Components having special safety characteristics are identified by \triangle on the parts list in this Model Service Manual and its supplements and bulletins. Before servicing this, it is important that the service technician read and follow the "Safety Precautions" and the "Product Safety Notices" in this Service Manual.

For continued X-Radiation protection, replace picture tube with original type or Hitachi equivalent type.

POWER SOURCE

This television receiver is designed to operate on 120 Volts/60Hz, AC house current. Insert the power cord into a 120 Volts/60Hz outlet.

NEVER CONNECT THE TV TO OTHER THAN THE SPECIFIED VOLTAGE OR TO DIRECT CURRENT.

Use of this TV set in 50 Hz areas will not harm the TV set, However, it will cause the clock display to run slower. Consult service personnel if you move to an area where the power supply frequency is 50 Hz.

| CLOCK | 60Hz | 50Hz |
|-------|---------|--------|
| D022 | Install | Delete |

TECHNICAL SPECIFICATIONS

POWER RATINGS

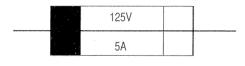
| 35TX20B/CZ52 | 180 watts |
|--------------|-----------|
| 32CX7B/CY57 | 180 watts |
| 31CX6B/CY56 | 180 watts |
| 31CX5B/CY55 | 180 watts |

COLOR PICTURE TUBE

| 35TX20B/CZ52 | A89AEJ15X01 |
|--------------|--------------|
| 32CX7B/CY57 | |
| 31CX6B/CY56 | A78LCU30X(M) |
| 31CX5B/CY55 | |

CAUTION

The following symbol near the fuse indicates fast operating fuse (to be replaced). Fuse ratings appear within the symbol. Example:



F901

The rating of fuse F901 is 5.0A-125V.

Replace with the same type fuse for continued protection against fire.

TECHNICAL CAUTIONS

High Voltage Limiter Circuit Operation Check and Overvoltage Protection Circuit Operation Check

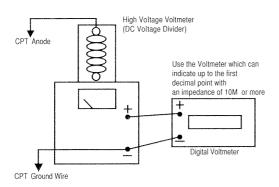
Adjustment Preparation

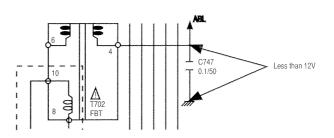
1. Connect a High Voltage Voltmeter between CPT Anode terminal (Anode capside) and Ground. (TP701)

2. Set the AC input voltage to 120 +/- 3V.

2. Set the AC input Voltage to 120 47.

Receive Circle Pattern or Broadcast Signal and set "BRIGHTNESS" and "CONTRAST" to maximum. Adjust the SCREEN VR and SUB-BRIGHTNESS VR (R340) so that Beam Current is le ± 0.1 mA. (The voltage at ABL terminal (C747) should be 12V or less.)





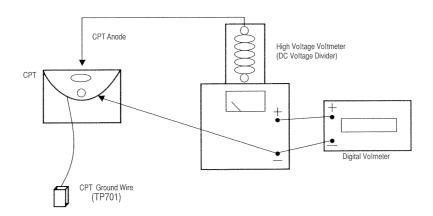
Adjustment Procedure

1. Check that the normal High Voltage is EHT ±1KV.

| CHASSIS | EHT | IB±0.1mA | E1 (KV) |
|------------------|--------|----------|---------|
| CZ52 | 30.2KV | 1.8mA | 35.5KV |
| CY57, CY56, CY55 | 29.2KV | 1.65mA | 34.0KV |

Adjustment Preparation

4. Set AC input voltage to $100 \pm 5V$. Short circuit both ends of R903.



Adjustment Procedure

Use the voltmeter impedance $10M\Omega$ or more with indication to the first decimal place.

2. Keep CONTRAST, BRIGHTNESS, and SCREEN VR as in item (3). Increase AC input voltage gradually and check that the picture disappears when high voltage is E1. Immediately after checking that it disappears, turn OFF the set switch. Remove adjustment Jig and High Voltage Voltmeter. When connecting or removing High Voltage Voltmeter to or from Anode cap, be sure to turn OFF the switch of the set. Also, be sure to perform it after the chassis discharge of residual high voltage, because the high voltage of CPT Anode may be left.

ADJUSTMENT SPECIFICATIONS

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Refer to CHASSIS SERVICE MANUAL PA NO. 0053 for additional technical information.

Note:

1. MAIN CHASSIS ADJUSTMENT is done with precision equipment. Readjustment is only recommended if the service technician replaced a defective component related to the circuit.

COMMON SERVICE ADJUSTMENT is recommended for the service technician after final troubleshooting and repair is done. Quick check and fine tuning is advisable to verify that the problem is eliminated.

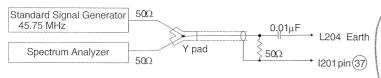
1. CHASSIS ADJUSTMENT

1-1. IF ADJUSTMENT

1-1-1. AGC Coarse Adjustment (R202) Set AGC adjustment VR (R202) to mechanical center.

1-1-2. VCO Adjustment (L204)(First Method) Adjustment Preparation

- (1) Apply $9.0 \pm 0.1 \text{V}$ to 1201 pin (14).
- (2) Connect I201 pin (2) to GND.
- Connect the following jig and pick up VCO oscillation leakage voltage.



Adjustment Procedure

(1) Adjust L204 so that VCO frequency detected by Spectrum Analyzer is 45.75MHz ⁺⁰₋₅₀ KHz. (Match the output level of Standard Signal Generator to the level of VCO oscillation leakage voltage and adjust L204 to take 0 beat.)

Note: Perform this adjustment after VCO frequency is stabilized.

1-1-2. VCO Adjustment (L204) (Second Method) Adjustment Preparation

- (1) Apply $9.0 \pm 0.1 \text{V}$ to I201 pin (14).
- (2) Connect I201 pin (2) to GND.
- Connect the following jig and pick up VCO oscillation leakage voltage.



Adjustment Procedure

(1) Adjust L204 so that the reading of Frequency Counter is $^{+0}_{-50}$ KHz.

Note: Perform this adjustment after VCO frequency is stabilized.

1-1-3. IF Overall Waveform Adjustment Adjustment Preparation

Connect signal as follows:



Marks 0.2 MHz (CH10)

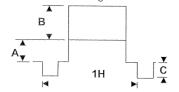
1 MHz

2 MHz

3.6 MHz

(Output level 91 \pm 3 dB μ (50 Ω load Modulation 60 - 70%)

(2) Connect Oscilloscope to Q203 (E) Emitter (TP-12). Check the signal at TP-12 as follows:



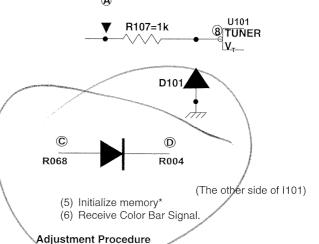
A: Set up level

B: Sweep signal level

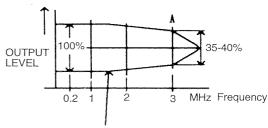
C: Sync. level

(3) Add the following voltage:(1) I201 pin (14): +B (9V)

- (2) 1001 pin (12): +B (5V)
- (3) TUNER VTi point (A): 42V
- (4) Connect a diode (1S2076, 1SS270TA) to: (c) ~ (D)



(1) Adjust TUNER IFT coil so that the output level of 0.2MHz is reference level (100%) and 3.6MHz level is 35% - 40%. (At this time, do not turn TUNER IFT coil more than 1 turn.)

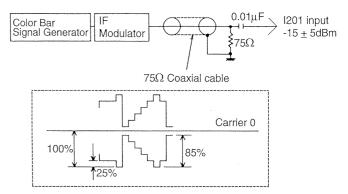


Check that 1MHz~2MHz level is 70%~100%.

*Note: Refer to item 1-1-6. Initial Turn ON Procedure.

1-1-4. AFS Discrimination Adjustment (L205) Adjustment Preparation

- (1) Input Signal: Between X103 SAW FILTER input and Earth. (R108 both ends)
- (2) Apply $9.0 \pm 0.1 \text{V}$ to I201 pin (14)
- (3) Connect a DC Voltmeter (internal impedance 1M ohm or more) to AFS output terminal. (I201 pin (47))



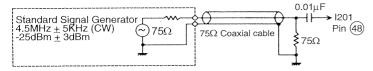
Adjustment Procedure

- Turn L205 and check that DC Voltmeter connected as above varies from under 0.5 V to over 8.5V.
- (2) Adjust L205 so that the DC Voltmeter is 6.5 ± 0.5V at the intermediate point of the core which is changing voltage rapidly in (1) above.

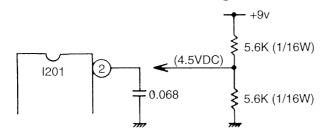
Note: After this adjustment is finished, perform item No. 1-1-2. VCO Adjustment Check. If it is deviated, adjust to regular adjusting point and check again the subsequent adjustments.

1-1-5. Sound Discrimination Adjustment (L202) Adjustment Preparation

(1) Input Signal: Apply the following signal to I201 pin (48)



- (2) Apply DC Voltage $9.0 \pm 0.1 \text{V}$ to I201 pin (14).
- (3) Connect a Voltmeter between Q201 Emitter and Earth.
- (4) Apply the following Voltage to I201 pin (2).



(5) Short-Circuit R201 both end (Tuner AGC Terminal to GND).

Adjustment Procedure

- (1) Adjust L202 so that the reading of DC Voltmeter is 3.5 ± 0.3 V.
- (2) After adjusting, release the jig above (4) and (5).

1-1-6. VCO For OSD Adjustment.

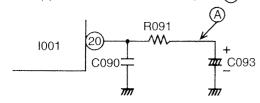
This chassis starts in initial turn ON and AUTO demonstration mode before memory initialize. So memory initialize should be done according to next procedure before adjustment start.

Initial Turn ON Procedure

- (1) Supply AC power. TV Set is turned ON.
- (2) Turn OFF the set using power switch (S00I). Remo-Con not used.
- (3) Turn ON the set again.
- (4) Memory initialize (see item **1-4. Memory Initialize**) should be done.

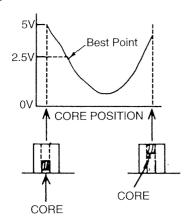
Adjustment Preparation

- (1) Receive Color Bar or Circle Pattern Signal.
- (2) Connect a DC Voltmeter to point (A).



Adjustment Procedure

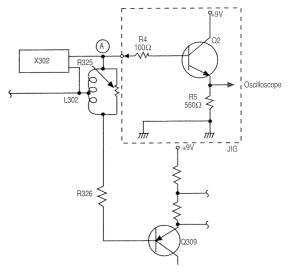
(1) Adjust L010 so that the Voltmeter is $2.5 \pm 0.2V$.



1-2. COMB FILTER ADJUSTMENT (1)

Adjustment Preparation

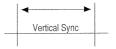
- (1) Adjust the VR(R323, R32E, R333) to center position.
- (2) Receive Color Bar Signal or Green Single Color Using below methods (I) and (II).
 - (I) From Video Input
 - (II) Ant. Input: the range of signal strength must be 65dBm to 80dBm(75 dBm is standard).
- 3) Connect the jig (shown below) to point (A).



Adjustment Procedure

- (1) Turn R323 so that the sub-carrier component becomes minimum.
- (2) Then turn L302 so that the sub-carrier component becomes minimum.

Note: Sub-carrier component waveform shows below point.



(3) When Residual Chroma Level does not become less than 20mVp-p repeat items (1) and (2).

Remarks:

- (1) Use the probe of 10:1.
- (2) Adjust the range of Oscilloscope to 20mV/div.
- (3) Residual Chroma Level should be less than 20mVp-p.
- (4) Connect the jig and P.W.B by lead wire of minimum length, to prevent a defective oscillation.
- (5) Adjustment should be done after a certain time (more than 10 sec) after power ON.

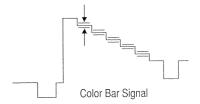
1-2. COMB FILTER ADJUSTMENT(2)

Adjustment Preparation

(1) Connect an Oscilloscope between Q30C Emitter and Earth.

Adjustment Procedure

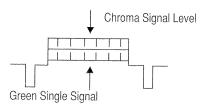
- Turn R32E so that the sub-carrier component becomes minimum.
- (2) Then turn R333 so that sub-carrier component becomes minimum.
- (3) When item (2) is finished, turn R32E again so that the sub-carrier component becomes minimum.
- (4) When Residual Chroma Level does not become less than 15mVp-p, repeat items (1) and (2).



Remarks:

- Adjust the range of Oscilloscope to 50mV/div.
- (2) Residual Chroma Signal Level should be less than 15 mVp-p.

Note: Chroma Signal Level shows below point.



1-3. DEFLECTION CIRCUIT PICTURE ADJUSTMENT OPERATION CHECK

1-3-1. Vertical Size Adjustment (R62A)

Adjustment Preparation

- (1) Receive Circle Pattern Signal.
- (2) Set "CONTRAST" to maximum and "BRIGHTNESS" to the center.

Adjustment Procedure

 Adjust Vertical Size Adjustment VR (R62A) so that the inner circle of Circle Pattern becomes in contact with the top and bottom of the screen.

1-3-2. Side Pin Distortion Coarse Adjustment (R752) Adjustment Preparation

- (1) Receive Circle Pattern Signal.
- (2) Set "CONTRAST" to maximum and "BRIGHTNESS" to the center.

Adjustment Procedure

(1) Vary R752 so that the right and left vertical lines are straight.

1-3-3. Horizontal Size Adjustment (R755)

Horizontal Center Adjustment (R704) and Horizontal Size Correction Adjustment (R775)

Adjustment Preparation

- (1) Receive Circle Pattern Signal.
- (2) Set "CONTRAST" to maximum and "BRIGHTNESS" to the center.

Adjustment Procedure

- (1) Set the R775 at the counterclockwise end.
- (2) Vary R755 so that the horizontal size markers at the right and left end are 1.0 1.0 on the average.
- (3) Vary R775 so that the horizontal size markers at right and left are 1.5 -1.5 on the average.
- (4) Vary R704 so that the difference of the horizontal size markers at the right and left end are within 1.5.

1-3-4. High Voltage Limiter Circuit Operation Check and Overvoltage Protection Circuit Operation Check

Adjustment Preparation

- Connect a High Voltage Voltmeter between CPT Anode terminal (Anode cap side) and the Ground (TP701).
- (2) Set AC input voltage to 120 \pm 3V.
- (3) Receive Circle Pattern and set "BRIGHTNESS" and "CONTRAST to maximum. Adjust SCREEN VR and SUB-BRIGHTNESS VR(R340) so that Beam Current is le ± 0.1mA. (The voltage of ABL terminal C747 both ends should be 12V or less)

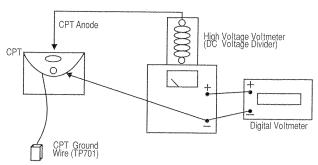
Adjustment Procedure

(1) Check that the normal High Voltage is EHT ± 1kv.

| CHASSIS | EHT | IB ± 0.1 mA | E1 (KV) |
|------------------|--------|-------------|---------|
| CZ52 | 30.2KV | 1.8mA | 35.5KV |
| CY57, CY56, CY55 | 29.2KV | 1.65mA | 34.0KV |

Adjustment Preparation

 Set AC input voltage to 100 ± 5V. Then short-circuit both ends of R903.



Use a Voltmeter with input impedance 10M ohm or more with indication to the 1st decimal place.

Adjustment Procedure

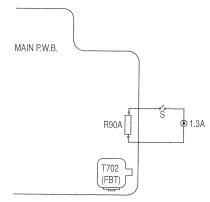
(2) Keep CONTRAST, BRIGHTNESS, and SCREEN VR as in item (3). Increase AC input voltage gradually, and check that the picture disappears when high voltage is E1. Immediatly after checking that it disappears, turn OFF the set switch. Remove adjustment jig and High Voltage Voltmeter.

When connecting or removing High Voltage Voltmeter to or from Anode cap, be sure to turn OFF the switch of the set. Also, be sure to perform it after the chassis discharge residual High Voltage, because the high voltage of CPT Anode may be left.

1-3-5. FBT Protection Circuit Operation Check

Adjustment Procedure

- (1) Set "CONTRAST" to maximum, "BRIGHTNESS" to center.
- (2) After turning ON the switch of the set, turn ON the switch (S) of the jig as shown below.
 - (Operating current limiter circuit.).
 - Check that the picture disappears.
- (3) Immediately after checking, turn OFF the switch of the set.



1-3-6. +15V Short Protection Circuit Check. Adjustment Preparation

(1) Adjust "CONTRAST" to maximum, "BRIGHTNESS" to center.

Adjustment Procedure

- (1) Connect $10 \mathrm{K}\Omega$ resistor between Q703 Base and GND and check that the picture disappears.
- (2) Disconnect resistor immediately.

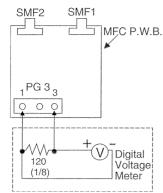
1-3-7 Load Reduction Circuit Operation Check.

Adjustment Procedure

- Receive Circle Pattern Signal.
- Set "VIDEO" Mode "CONTRAST" to maximum, "BRIGHT-NESS" to center.
- (3) Connect a DC Voltmeter to both sides of R912.
- (4) Check to make sure the potential difference is more than 10V.
- (5) Receive Crosshatch Signal.
- 6) Set "VIDEO" mode "CONTRAST" to minimum, "BRIGHTNESS" to center
- (7) Check the potential difference is less than 3V.

1-3-8. MFC Circuit Operation Check (35TX20B/CZ52 Only) **Adjustment Preparation**

- Receive Circle Pattern.
- Connect the Jig (shown below) to the PG3 Pin in MFC. P.W.B.



Adjustment Procedure

- Then turn SMF1 to "STRONG", turn SMF2 to "NORTH", check
- that the voltage is V= +2.9 \pm 0.5V. Then turn SMF1 to "WEAK", check that the voltage is V = +1.5 + 0.5V.
- Then turn SMF2 to "SOUTH", check that the voltage is V = -2.9 + 0.5V
- Then turn SMF1 to "WEAK", check that the voltage is $V = -1.5 \pm 0.5V$.
- Then turn SMF2 to "E/W", check that the voltage is V = 0V.

1-4. MEMORY INITIALIZE

1-4-1. Timer Sound Operation Check **Adjustment Procedure**

- Press the memory initialize key with the Remo-Con jig.
- After 5 sec. operation, check that the set has selected CH 03 and a "beeping" sound comes out from the left side (L-CH).

Note: Do not draw out the outlet within 5 second.

Do not perform any key operation, either.

After this operation, each setting should become to

delivery setting automatically.

1-5. AFC OPERATION CHECK

Adjustment Preparation

Connect the jig shown below to the ANT Terminal.

Adjustment Procedure

- Receive a Standard Carrier Signal (not offset) with the channel up/down or direct selection buttons. Check that it is pulled into the standard tuning point.
- Receive an Offset Signal of ± 1.5MHZ. Check that it is pulled into the standard tuning point.

(Perform the Channel Selection Operation again.)

Receive an Offset Signal of - 1.5MHZ. Check that it is pulled into the standard tuning point. (Perform the Channel Selection Operation again.)

Note 1: Modulation signal should be used at the Circle Pattern and the Color Bar Signal.

Checking jig (All channel converter can be used)

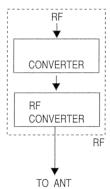


TABLE 1-6

Note: CATV Channels. actual Input Channel Numbers and Indicated Channel Numbers.

| | Α | В | С | D | E | F | G | Н | I | J | Κ | L | М | Z | 0 | Р | Q | R | S | Т | U | ٧ | W |
|---|----------|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|----|----|----|----|----|----|----|
| - | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 37 | 31 | 32 | 33 | 34 | 35 | 36 |
| | MID BAND | | | | | | | | | | | | CLI | PER | BAI | UD. | | | | | | | |

| W+1 | W+2 | W+3 | W+4 | W+5 | W+6 | W+7 | W+8 | W+9 | W+10 | W+11 | W+12 | W+13 | W+14 | W+15 | W+16 | W+17 | W+18 | W+19 | W+20 | W+21 | W+22 | W+23 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----------------------------------------|------|------|------|------|------|------|------|
| 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 |
| | | | | | | | | | - | | | | | | *************************************** | | | | | | | |

– HYPER BAND –

| W+24 | W+25 | W+26 | W+27 | W+28 | W+29 | W+30 | W+31 | W+32 | W+33 | W+34 | W+35 | W+36 | W+37 | W+38 | W+39 | W+40 | W+41 | W+42 | W+43 | W+44 | W+45 | W+46 |
|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 |
| | | | | | | | | | | 1 | 111 - | 7 A D | ANIT | ` | | | | | | | | |

- HYPER BAND → – ULTRA BAND –

| W+47 | W+48 | W+49 | W+50 | W+51 | W+52 | W+53 | W+54 | W+55 | W+56 | W+57 | W+58 | A- 5 | A-4 | A-3 | A-2 | A-1 | W+59 | W+60 | W+61 | W+62 | W+63 | W+64 |
|------|--------------|------|------|------|------|------|------|------|------|------|------|-------------|-----|-----|-----|------|------|------|------|------|------|------|
| 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 |
| | LII TRA BAND | | | | | | | | | NAIL |) BA | ND_ | | | н т | ⊋Δ R | ΔΝΓ |) | | | | |

| 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 | [| W+65 | W+66 | W+67 | W+68 | W+69 | W+70 | W+71 | W+72 | W+73 | W+74 | W+75 | W+76 | W+77 | W+78 | W+79 | W+80 | W+81 | W+82 | W+83 | W+84 |
|-----------------------------------------------------------------------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Γ | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 |

1-6. CHANNEL SELECTION CIRCUIT OPERATION CHECK

1-6-1. CHANNEL UP/DOWN Selection

Adjustment Preparation

- Set the TV set so that VHF (CH 11, CH 13), UHF(CH 14, CH 46, CH 63) and CATV(CH A, CH E, CH P, CH W) can be received.
- Set AIR/CABLE Mode to AIR. (Press the MENU key, and select the SETUP and AIR/CABLE Mode using the ENTER Key.)

Adjustment Procedure

(1) Check that VHF are received correctly by pressing CH UP (▲) or DOWN (▼) control button.

Adjustment Preparation

Set AIR/CABLE Mode to CATV 1.

Adjustment Procedure

Perform the same operation as in item (1), and check that VHF and CATV are received correctly.

Adjustment Preparation

(4) Set AIR/CABLE Mode to CATV2.

Adjustment Procedure

Perform the same operation as in item (1), and check that VHF and CATV are received correctly.

1-6-2. CHANNEL UP/DOWN

(Inclusive of AUTOPROGRAM Operation)

Adjustment Preparation

(1) Set the TV set so that VHF (CH 11, CH 13), UHF (CH 14, CH 46, CH 63) and CATV (CH A, CH E, CH P, CH W, CH A-2, CH GG, CH OO, CH WW) can be received.

Adjustment Procedure

- (1) Set AIR/CABLE Mode to AIR.
- Select AUTOPROGRAM Mode and press () key. After AUTOPROGRAM operation is completed, by pressing the Channel UP (▲) or DOWN (▼) control button, check that the channels having Broadcast Signal(s) can be received.
- Set AIR/CABLE Mode to CATV 1.
- Perform the same operation as in item (2) check that CATV can be received correctly.

Adjustment Preparation

(2) Set to PROGRAM LIST Mode.

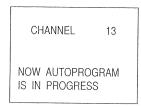
Adjustment Procedure

Check that the SCAN of channels which can be selected is ON.

Note 1: CATV Channels, actual Input Channel Numbers and Indicated Channel Numbers.

| A | . 14 |
|----------|------|
| E | . 18 |
| P | 29 |
| W | 36 |
| A-2 | 98 |
| GG(W+7) | 43 |
| OO(W+15) | 51 |
| WW(W+23) | 59 |

Note 2: Display while AUTOPROGRAM is operating.



(See Table 1-6 on Bottom of Page 11)

1-6-3. VOLUME UP/DOWN

Adjustment Procedure

(1) Check that the Sound Volume Level and Volume Indication is going up or down continuously by pressing Sound Volume UP (▲) or DOWN (▼) control button.



1-6-4. POWER ON/OFF

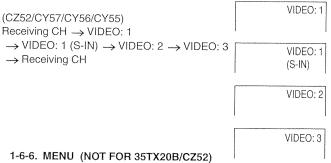
Adjustment Procedure

(1) Check that the Power alternates between ON and OFF by alternately pressing the POWER button.

1-6-5. AVX

Adjustment Procedure

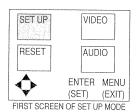
(1) Check that the O.S.D. by the every press of the AVX button, such as below.

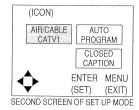


Adjustment Procedure

Check that the MENU O.S.D. displays by pressing MENU button on the Front Panel Control.

Note: MENU O.S.D. is displayed below:





After MENU O.S.D. is displayed. Check that the keys function change.



1-6-7. MENU Mode (Using Remo-Con Jig)

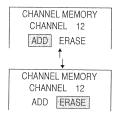
1-6-7-1. SET UP Mode.

Adjustment Preparation

(1) Set to CHANNEL MEMORY Mode.

Adjustment Procedure

Check that the ADD, ERASE is selected by pressing the (▶) or (◀) control button.



Adjustment Preparation

- (2) (a) Set the Mode to CLOSED CAPTION.
 - (b) Receive a Broadcast Signal having a CLOSED CAPTION signal.

Adjustment Procedure

- (1) Set DISPLAY setting to ON by pressing (▶) or (◀) control button. At this time, set the other settings as follows:
 - 1. DISPLAY: ON
 2. MODE: C.C.
 3. CHANNEL: 1
- (2) Check that the CAPTION corresponding to the above setting is displayed on the screen.
- (3) Set CHANNEL to 2
- (4) Check that the CAPTION of CHANNEL 2 is displayed on the screen.
- (5) Set CHANNEL to 1.
- (6) Check that the CAPTION of CHANNEL 1 (FIELD 2) is displayed on the screen.
- (7) Set the mode to TEXT.

Adjustment Procedure

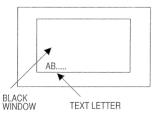
- (8) Check that a black window appears and TEXT letters are displayed at the center of the screen.
- (9) Repeat adjustment procedure from (3) to (6) and check that TEXT letters are displayed corresponding to each Mode.
- (10) Set the Mode to CAPTION.
- (11) The black window should disappear returning to the state of (2).
- (12) Set ON/OFF to OFF.
- (13) Check to be sure that the CAPTION letters disappear.

Remarks

Note: Reading error should not occur on every mode.

The contents of error:

- 1. Wrong letters are displayed.
- 2. Letter omitting.
- 3. Other abnormal display.



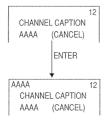
1-6-7-2. PROGRAM Mode.

Adjustment Preparation

(2) Set to CHANNEL CAPTION Mode.

Adjustment Procedure

- Select the "A" by pressing the (▲) or (▼) control button, and select the input position by pressing the (▶) or (◄) control button.
- (2) After pressing the ENTER button, check that the indication of "AAAA" is the same as CH No. indication.
- (3) Select the CHANNEL CAPTION Mode again, select the "CANCEL" by pressing the (▶) or (◄) control button and the ENTER button.
- (4) Check that the "AAAA" is deleted when the CH No. is indicated, after pressing the "MENU" button.



Adjustment Preparation

(3) Set to CHILD LOCK Mode.

Adjustment Procedure

- (1) Select CHILD LOCK SET by pressing the (▶) or (◀) control button.
- (2) Press " 0 " button 3 times. ("000" is input)
- (3) Check that the picture becomes pitch-dark, and sound does not come out.
- (4) Set to CHILD LOCK Mode again, and select "CHILD LOCK CANCEL" by pressing the (▶) or (◀) control button.
- (5) Press " 0 " button 3 times. ("000" is input.)
- (6) Check that the picture and sound return to the previous condition.

Adjustment Preparation

(4) Set VOLUME CORRECTION Mode.

Adjustment Procedure

- (1) Select the registration point using the () or () or control button and the received Channel No. is memorized by pressing the ENTER button.
- (2) Check that Volume Level changes and sets 100%~50%
 (5% step) using (▶) or (◄) control button.

1-6-7-3. CLOCK Mode (Clock Operation Check) Adjustment Preparation

(1) Connect a Diode (IS2076, ISS27OTA equivalent) between



Remarks:

The addition of the above diode intends to check the operation with clock counting operation as 60 time mode.

Set to CLOCK SET Mode.

Adjustment Procedure

(1) After clock setting is done and the indication disappears, perform CH indication. Check that clock indication is displayed in addition to the CH indication, and that the clock indication is going by 1 second per minute.



1-6-7-4. PICTURE Mode

Adjustment Preparation

- (1) Receive the Color Bar Signal.
- (2) Set to CONTRAST Mode.

Adjustment Procedure

(2) Check that CONTRAST is changed by pressing (◀) or (▶) control buttons.



Adjustment Preparation

(3) Set to COLOR Mode.

Adjustment Procedure

(3) Check that COLOR is changed by pressing (◀) or (▶) control buttons.



Adjustment Preparation

(4) Set to TINT Mode.

Adjustment Procedure

(4) Check that TINT is changed by pressing (◀) or (▶) control buttons.

➤ ; DEEPER

✓ ; LIGHTER

Adjustment Preparation

(5) Set to BRIGHTNESS Mode.

Adjustment Procedure

(5) Check that BRIGHTNESS is changed by pressing (◀) or (▶) control buttons.

➤ ; BRIGHTER

✓ ; DARKER

Adjustment Preparation

(6) Set to SHARPNESS Mode.

Adjustment Procedure

(6) Check that SHARPNESS is changed by pressing (◀) or (▶) control buttons.



Adjustment Preparation

(7) Set to WHITE CONTROL Mode.

Adjustment Procedure

(7) Check that WHITE CONTROL is changed by pressing (◀) or (▶) control button.



Adjustment Preparation

(8) Set to RESET Mode.

Adjustment Procedure

(8) Check that all picture setting modes return to delivery settings by pressing the ENTER button.

1-6-7-5. SOUND Mode

Adjustment Preparation

Set to BALANCE Mode.

Adjustment Procedure

 Check that BALANCE is changed by pressing control (◀) or (▶) control buttons.

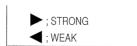


Adjustment Preparation

(2) Set to BASS Mode.

Adjustment Procedure

(2) Check that BASS is changed by pressing control (◀) or (▶) control buttons.



Adjustment Preparation

(3) Set to TREBLE Mode.

Adjustment Procedure

(3) Check that TREBLE is changed by pressing control (◀) or (▶) control buttons.



Adjustment Procedure

(4) Set to RESET Mode.

Adjustment Procedure

(4) Check that all sound setting modes return to delivery settings by pressing ENTER button.

Adjustment Preparation

- 5) (a) Set to "VOLUME" step at *10. Set to "BASS" and "TREBLE" at center when "LOUDNESS" is turned OFF. Set to "LOUDNESS" Mode.
 - (b) Set "LOUDNESS" to OFF, and "BASS/TREBLE" to center.
 - (c) Set it to LOUDNESS Mode.

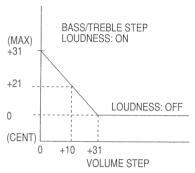
Adjustment Procedure

(5) Check that "BASS" and "TREBLE" are changed as below table when set to "LOUDNESS" is turned ON by pressing (◀) or (▶) control button "LOUDNESS" turn OFF after checked

| LOUDNESS | BASS TREBLE | | | | | | | | |
|----------|-------------|------|--|--|--|--|--|--|--|
| OFF | CE | NTER | | | | | | | |
| ON | +21 | STEP | | | | | | | |

(When VOLUME st 10)

*Note: According to Volume Setting Level, this function works as shown in below figure.



Adjustment Preparation

- (a) Input Stereo Sound Signal to VIDEO:1 terminals, and set "VIDEO:1" by AVX button.
 - (b) Set to SURROUND Mode.

Adjustment Procedure

(6) Check that sound is change more loudly when set to MUSIC or MOVIE Mode by pressing (◄),(▶),(▲) or (▼) control button.

Adjustment Preparation

- 7) (a) Input Monaural Sound Signal to VIDEO:1 " L " termi nal and set "VIDEO:1" by AVX button.
 - (b) Set to SURROUND Mode.

Adjustment Procedure

(7) Check that sound is change more loudly when set to SIMULATE mode by(◀),(▶),(▲) or (▼) control button.

1-6-7-6. RESET Mode.

Adjustment Preparation

- Set PICTURE Setting to minimum "CONTRAST" and SOUND setting to "BALANCE" to left. (See item 1-6-7-4 and 1-6-7-5.)
- Set to RESET Mode.

Adjustment Procedure

Check that Picture and Sound performance return to delivery setting by pressing the ENTER button.
 (CONTRAST to maximum, BALANCE to center)

1-6-7-7. FAVORITE CHANNELS Mode.

Adjustment Preparation

(1) Set to FAVORITE CHANNELS Mode by pressing one of (◀),(▶),(♠) or (▼) control buttons.

Adjustment Procedure

(1) Select registration position using (◀),(▶),(♠) or (▼) control buttons, and check that the Channel No. selected is registered by pressing the ENTER button.
Note: 16 stations could be registered.

(2) After Normal Mode is set using the MENU button, check that the Registered Channel can be selected by using (◀),(▶),(♠) or (▼) control buttons.

Note: The selected channel is received after 0.5 seconds.

1-7. REMO-CON OPERATION CHECK

The Remo-Con check jig should be used for Remo-Con operating range and Remo-Con operation check.

1-7-1. Direct Channel Selection

Adjustment Procedure

(1) Input 2 or 3 digits of Channel Number with the buttons of the Remo-Con check jig "0 - 9" and "100". Check that the input number and the On-Screen Display number are the same.

1-7-2. LST-CH (Last Channel Recall)

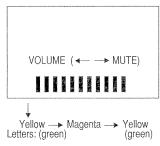
Adjustment Procedure

(1) Check that the set receives alternately between the channel which is being received and the channel which was received just before now by alternately pressing the "LST-CH" button of the Remo-Con check jig.

1-7-3. MUTE

Adjustment Procedure

(1) Check that the sound alternates between Mute and Mute Free by alternately pressing the "MUTE" button of the Remo-Con check jig. At this time, check that the indication color alternates between yellow (letters:green) and magenta.



1-7-4. RECALL

Adjustment Procedure

(1) Check that On-Screen Display Channel No. indication alternates between ON and OFF by alternately pressing the "RE-CALL" button of the Remo-Con check jig.

1-7-5. P in P (CZ52, CY57, CY56)

Adjustment Preparation

- (1) Connect the signal to ANT and receive it.
- (2) Connect the signal to VIDEO: 1.



Note: At this CASE, sub-picture should be V1.

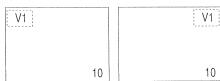
Adjustment Procedure

(1) Check that, by alternately pressing the "P in P" button of Remo-Con check jig, sub-picture alternates between ON and OFF. When sub-picture is ON, check that the Channel No. and "V1" are displayed.

1-7-6. SHIFT

Adjustment Preparation

(1) Press "P in P" button to set to P in P Mode.



Adjustment Procedure

(1) Check that, by alternately pressing the SHIFT button of Remo-Con check jig, sub-picture moves counterclockwise. At this time, check that "V1" of sub-picture also moves as well.

Note: When sub-picture is in the upper of the screen, the Channel No. of main picture comes to the lower right.

1-7-7. EXCHANGE

Adjustment Preparation

(1) Press "P in P" button to set to P in P Mode.

Adjustment Procedure

(1) Check that, by alternately pressing the "EXCHANGE" button, the contents of main picture and sub-picture are exchanged.

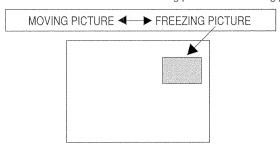
1-7-8. FREEZE

Adjustment Preparation

- Connect the signal to ANT and VIDEO: 1.
 (One or both of the pictures should be moving picture.)
- Press "P in P" button to set to P in P Mode.
- (3) Sub-picture should be moving picture by "EXCHANGE" button.

Adjustment Procedure

 Check that, by alternately pressing "FREEZE" button, sub-picture alternates between moving picture and freezing picture.



(2) Press "P in P" button to make sub-picture disappear.

1-7-9. FREEZE (P in P OFF)

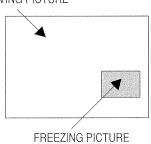
Adjustment Preparation

- (1) Connect signals to ANT and VIDEO: 1. Both signals should be moving picture.
- (2) Set P in P to OFF.

Adjustment Procedure

- Check that freezing picture of main screen appears by pressing the FREEZE button of the Remo-Con check jig.
- (2) Check it also in the TV and VIDEO: 1 modes.
- (3) Check that sub-picture disappears by pressing the FREEZE button at picture freezing.
- (4) Check that it turns to normal P in P sub-picture by pressing the P in P button at picture freezing.

MOVING PICTURE



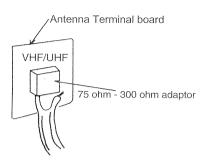
1-8. Weak Electric Field Check

Adjustment Preparation

- (1) Connect one side of the 300 ohm feeder to 75 ohm 300 ohm antenna adaptor. Connect the antenna adaptor to the VHF antenna terminal board as shown.
- (2) Turn to No Signal Condition.

Adjustment Procedure

Check that oscillation and abnormal beat etc. does not occur in any of the channel.

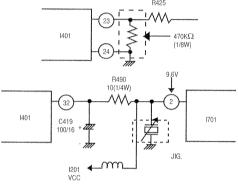


1-9. MTS Demodulating Circuit Adjustment

1-9-1. Stereo VCO Adjustment (R423)

Adjustment Preparation

- (1) Same as items 1-9-2 (1) and (2).
- Connect I401 pin (23) to pin (24) through 470KΩ resistance as shown in the figure.
- Connect a Frequency Counter to I401 pin (41). Use the probe (3)of 1:1. (Probe standard Ri ≥ 1 M ohm, Ci ≤ 15pF)
- (4) Input of I401 pin (39) is no signal.
- Apply +9.6V \pm 0.1V to the pin (2) of I701 as shown in the figure. (I401 +B)



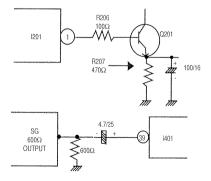
Adjustment Procedure

- Turn VR(R423) to set to 15.73 ± 0.01KHz.
- After the adjustment, remove the $470 \text{K}\Omega$ (Between pins (23) - (24) of I401)

1-9-2. Filter Adjustment VR(R418)

Adjustment Preparation

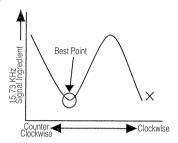
- Set VR(R4IK) fully counterclockwise. (1)
- Set Q201 Emitter to GND through capacitor 100uF/16V as shown in the figure.
- Apply the signal to I401 pin (39) with the jig shown as follows.



- (a) SG Output Signal Specification
 - (1) FREQUENCY
 - f = 15.73 KHz (Sine Wave)
 - (2) Signal Level
 - V = 100 mVrms
- (4) Connect an Oscilloscope to I401 pin (35) (L-R out).

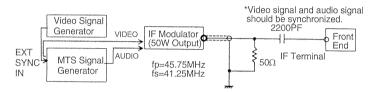
Adjustment Procedure

(1) Input signal (a) and adjust VR(R418) so that the waveform of pin (35) (15.73KHz included) is minimum.

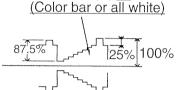


1-9-3. Input Level Adjustment VR(R41K) **Adjustment Preparation**

Apply the signal to TUNER (U101) IF output terminals of MAIN PWB using the jig shown below.



IF Modulator output signal waveforms (Color Bar or All White)



IF Modulator Output Level and P/S P = 106dBu (50 ohm termination) 100% S level; -3dB to P level At this time, S/N ratio of F/E Video Output is 45db or less.

Sound Modulation Condition

 Noise Reduction Encoder: ON

·Stereo Signal: (1)R = 0(L only), 300Hz, 30% modulation (Note 2)*

(2)R = 0(L only), 3KHz,30% modulation (Note 2)*

•Monaural Signal: (3) Monaural, 400Hz 100%; modulation (PRE-EN OFF)

·SAP Signal: (4)SAP, 300Hz 30% modulation (Note 2)*

(2) Connect AC Voltmeter Vo to I401 pin (39)

Same as Item 1-9-1 (5) (Apply +B to I401) Refer to next page.

Adjustment Procedure

Select Sound Input Signal (3) and adjust VR(R41K) to $Vo = 150m Vrms \pm 5m Vrms$.

1-9-4. Separation Adjustment VR(R429, R42A)

(The adjustment of items 1-9-1. thru 1-9-3. should have been fin-

Adjustment Preparation

- (1) Use the same jig as Input Level Adjustment. (Be sure to remove the AC Voltmeter connected to 1401).
- Connect an Oscilloscope to I401 pin (4)
- Same as in items 1-9-3 (3) and (4).
- Set "MTS MODE" to "STEREO".

Remarks:

Pay attention that the separation adjusting point may be deviated if the Input Level is not regularly adjusted.



Check that "ST" is indicated in red under CH indication by pressing RECALL key of Remo-Con check jig.

Note 1: Use the Sound Modulator the frequency characteristic of which should be within + 1% during 50Hz - 100KHz.

Note 2: Turn OFF the Noise Reduction Encoder (NR) and set the modulation degree to 30%, and then turn ON the NR. Set the modulation degree at the output of low frequency Signal Generator. Leave the Sound Modulator VR of the IF modulator as it is.



(SAP receiving check)
Check that SA is indicated in red under CH indication by pressing RECALL key of Remo-Con check jig.

Adjustment Procedure

- (1) Select Sound Input Signal (1) and adjust VR(R42A) so that 300 Hz level is minimum.
- (2) Select Sound Input Signal (2) and adjust VR(R429) so that 3KHz level is minimum.
- (3) Repeat (1) and (2).Adjustment precision: within + 1dB from minimum point.

1-9-5 SAP Receiving Check

Adjustment Preparation

- (1) Same as in items 1-9-4. (1) (4).
- (2) Set to "MTS MODE" to "SA".

Adjustment Procedure

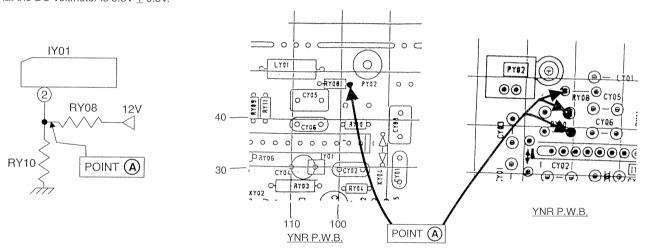
- Select Sound Input Signal 1 and designate the Output Level as Vst.
- (2) Then select Sound Input Signal (4) and check that the Output level is almost the same as Vst.

1-10. YNR Operation Check (35TX20B/CZ52) Adjustment Preparation

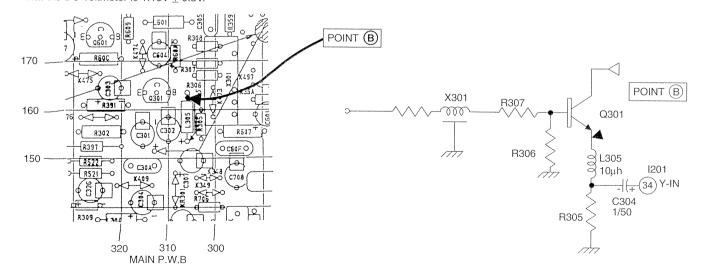
(1) Receive Circle Pattern

Adjustment Procedure

(1) Connect the DC Voltmeter to point (A) of YNR P.W.B. and check that the DC Voltmeter is 9.3V + 0.3V.



(2) Connect the DC Voltmeter to point B of MAIN P.W.B. and check that the DC Voltmeter is 1.15V + 0.3V.



2. FINAL ADJUSTMENT/COMMON SERVICE ADJUSTMENT

2-1. Purity Convergence Adjustment

Note: For A78LCU30X(M) (HITACHI 31V Dark Tint), A80LJF30X (HITACHI 32V Dark Tint) applies to item 2-1-1(8)
For ITC TYPE A89AEJ15X01 (35V Dark Tint) only applies to item 2-1-1 (8) (PURITY Check).

Preparation of Adjustment

- (1) Keep DY attached to CPT funnel.
- (2) Turn ON the set and receive Crosshatch Signal (or Circle Pattern Signal). Adjust the Static Convergence coarsely according to item 2-1-3.
- Receive Circle Pattern Signal and adjust the White Balance according to item 2-4.
- (4) Set BRIGHTNESS control and CONTRAST control to maximum, and heat-run the set with Circle Pattern Signal received for 40 minutes or more.

2-1-1. Purity Adjustment

THIS ADJUSTMENT METHOD APPLIES TO THE PURITY ADJUSTMENT BY USING MICROSCOPE

- Adjust coarsely White Balance, Static Convergence (center) and Focus.
- (2) Receive Circle Pattern and heat-run more than T minutes with CONTRAST and BRIGHTNESS maximum. Do not delete the raster nor vary the current before fixing the position of DY. Heatrun should be done with perfect raster.

(DY and Tilt should have been coarsely adjusted)

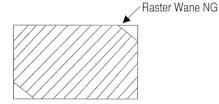


TABLE 1.*

| CPT | T |
|--------------|--------|
| A78LCU30X(M) | 45 Min |
| A80LJF30X | 45 Min |

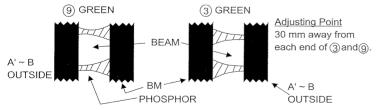
(3) The magneticic field in the artificial magnetic field should follow the table below and the set should face as table 2. Degauss it from the outside.

| DESTINATION | VERTICAL FIELD | HORIZONTAL FIELD |
|----------------|-------------------|---------------------|
| USA | 0.45 G | 0.3 G |
| CANADA | 0.54 G | 0.15 G |
| UNIVERSAL | 0.35 G | 0.3 G |
| PANAMA, HAWAII | 0.2 G | 0.3 G |
| TAIWAN | 0.22 G | 0.37 G |

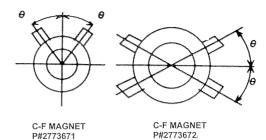
TABLE 2. Directions for adjustment

| A78LCU30X(M) | North |
|--------------|-------|
| A80LJF30X | North |

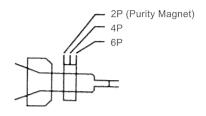
(4) Adjust the position of Purity Magnet and DY, keep the landing balance of 3 and 9, and adjust so that the landing of 3 and 9 is as follows while observing with a microscope. A78LCU30X(M)/A80LJF30X



(A) Open the Purity Magnet as follows in order to move the raster only in the right-left direction.

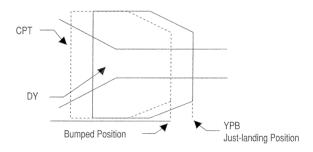


Keep the balance of (3) / (9) DY landing

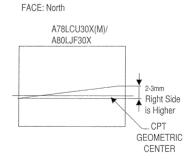


(B) YPB (Yoke Pull-Back) should be as follows. (Distance between the bumped position of DY toward the funnel and the just-landing position of 3 and 9.)

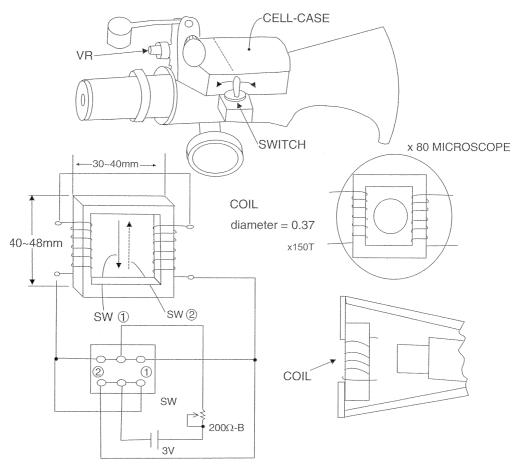
| CPT | YPB (DESIGN CENTER) |
|--------------|---------------------|
| A78LCU30X(M) | 2.2mm |
| A80LJF30X | 2.2mm |



(C) DY Tilt should be as follows:



- (5) Fix DY with fixing torque of 14kg.cm Control the torque by an electrical driver.
- (6) If any mislanding occurs, correct with magnets. At this time, if the white uneveness is all right, any magnet is not needed.
- (7) After peripheral convergence is adjusted, check the position of DY and tighten the DY again. (14kg.cm)



Fix coil to CRT side of microscope. Set it up side down and measure it.. Check that beam moves to the right and left equally in quantity.

(8) Purity Check

The magnetic field in the artificial magnetic field should follow the magnetic field according to the destination, and the set should face as follows. After degaussing in each direction, check these items visually and with a microscope.

- (A) No problem in white uneveness.
- (B) Each single color must not hit any other colors.
- If white or each single color is defective, apply a magnet (S) on CPT for correction.
 If any magnet is applied, check it after degaussing.

| CPT | CHECK FACE |
|--------------|------------------|
| A78LCU30X(M) | SOUTH, NORTH |
| A80LJF30X | 000111, 11011111 |
| A89AEJ15X01 | SOUTH, NORTH |

2-1-2. Purity Adjustment

(THIS ADJUSTMENT METHOD APPLIES TO THE HAND-OPERATED PURITY ADJUSTMENT.)

- (1) Use the Earth's magnetic field (Location of the set).
- (2) Adjust Focus coarsely according to item 2-2.
- (3) Adjust Convergence coarsely according to item 2-1-4.
- (4) Receive Circle Pattern Signal and check that CONTRAST and BRIGHTNESS are maximum.
- (5) Receive Magenta Signal. When the Magenta Signal is not available, short-circuit between the Base and Emitter of Q855 to set to Magenta.
- (6) Press DY fully against CPT funnel and turn the Purity Magnet so that the Vertical Magenta Band comes to the center of the picture. (Fig. 2-1-2-1) Check that color uneveness of both sides are approximately equal at this time.

The openings of the Purity magnet should be symmetric. (Fig. 2-1-2-2)

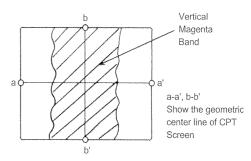
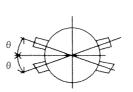


Fig. 2-1-2-1



C-F MAG P#2773672 P#2775082 (For VM Models)



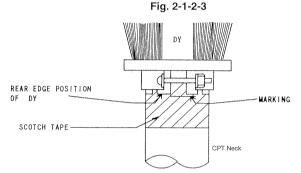
C-F MAGNET P#2773671

Fig. 2-1-2-2

The openings of purity magnet should be symmetric on the right and left sides (P#2773671) and on the upper and lower sides (P#2773672).

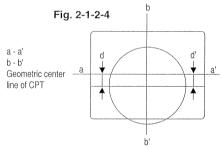
- (7) Receive the Single Red Signal.
 - When the Single Red Signal is not available, short-circuit between the Base and Emitter of Q854, and between the Base and Emitter of Q857 to set to Single Red Signal.
- (8) Pull back DY gradually and when the color uneveness of both sides of the picture disappear, mark the rear edge position of DY on the tape wound around CPT neck as shown in Fig. 2-1-2-3. Pull back DY further and just before the color uneveness starts to appear on both sides of the picture, mark the rear edge position of DY on the tape by the same way.

At this time, pull back DY so that the center axis of DY and CPT axis match.



(9) Move DY so that the rear edge position of DY comes to the center of the two marked lines and fasten DY as d = d'. (Fig 2-1-2-4).

Further insert the rubber wedge between DY and CPT funnel from the top and raise DY backwards.



- (10) Set CPT axis direction magnetic field according to the Earth's magnetic field setting.
 - (The direction of the magnetic field should be from the CPT screen side to the neck side.)
- (11) After degaussing it from outside, check the Purity in each color of R,G and B visually. Then, turn the screen to White and check the landing at the screen position shown in Fig. 2-1-2-5 with a microscope.

Criteria with microscope

There should be no mislanding at positions 2-4-8 and 10. (Refer to the mislanding criteria)

- Green beam should be at the center of the green phosphor at position C.
- (12) Turn over the direction of CPT axis direction magnetic field of the Earth's magnetic field and check it by the same C way as item (11). The positions of mislanding criteria with microscope should be 2, 4, 8 and 10. (Fig. 2.-1-2-5)

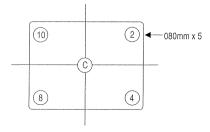


Fig. 2-1-2-5

Mis-Landing Criteria

The following conditions are defined as mislanding. Each color beam shines on the phosphor of the applied color and there are phosphor parts which are not luminous (shaded parts in the Fig. 2-1-2-6) between the luminous part and black matrix or each color beam shines on the phosphor of not applied color.

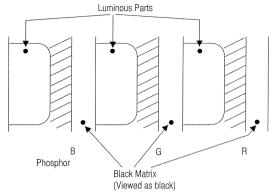


Fig. 2-1-2-6 Enlarged view of screen with microscope

(13) To improve the mislanding mentioned above, it's acceptable to stick the permanent magnet to CPT funnel. (Fig. 2-1-2-7 and Fig. 2-1-2-8)

Usage

Apply a silicone rubber KE-4O WRTV to the permanent magnet shown in the Figure 2-1-2-8., adhere it to CPT funnel and then fix it with permaseal tape.

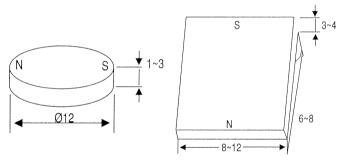
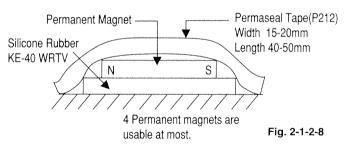
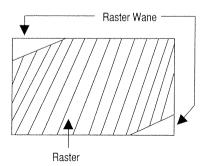


Fig. 2-1-2-7



Notes for pre-heat

Before pre-heating, stick DY to CPT funnel and fix it so that the raster is perfect.



If the raster is imperfect like the figure, CPT neck is in danger of cracking because the beam may hit it.

2-1-3. Static Convergence Adjustment (Screen Center Part) (Except ITC CPT)

 Receive the Crosshatch Signal and set BRIGHTNESS to center, CONTRAST to minimum.

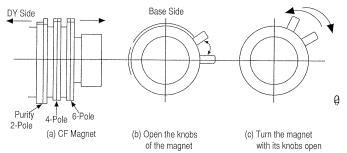
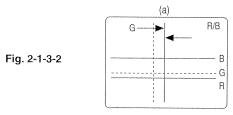
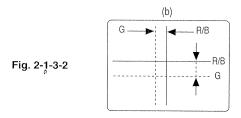


Fig. 2-1-3-1

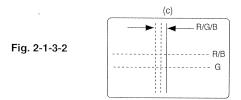
Open the knobs of 4-pole magnet (2 sheets)(Fig.2-1-3-1(b)) and match the blue/red vertical lines at the center of the screen as shown in fig. 2-1-3-2(a).



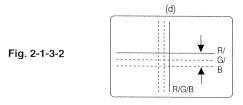
(3) Turn the 4-pole magnet with its knobs open (Fig. 2-1-3-1(c)) and match the blue/red horizontal lines as shown in Fig. 2-1-3-2(b).



(4) Open the knobs of 6-pole magnet (2 sheets) and match the green vertical line at the center of the screen to the blue/red vertical lines shown in Fig. 2-1-3-2(c).



(5) Turn the 6-pole magnet with its knobs open and match the green horizontal line at the center of the screen to the blue/red horizontal lines as shown in Fig. 2-1-3-2(d).



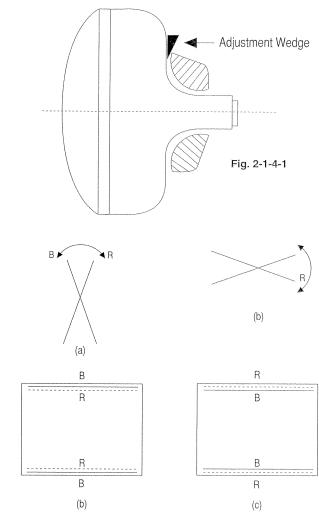
- (6) After the adjustment of items (1) (5), if red/blue/green (3 colors) do not match, repeat the adjustment of (1) (5).
- (7) After checking that Purity and Static Convergence are adjusted to the best condition, fix C-F Magnet with white paint.

2-1-4. Dynamic Convergence Adjustment (Except ITC CPT Type)

- (1) Insert an adjustment wedge (temporary) between the top of DY opening and CPT funnel as shown in Fig. 2-1-4-1. By inserting the wedge gradually, match the red and blue vertical lines at the top and bottom of the screen and also match the red and blue horizontal lines of both sides of the screen as shown in Fig. 2-1-4-2 (a).
- (2) Adjust the swinging in the right/left directions of DY while observing 6 and 12 horizontal lines of the screen and match the red and blue horizontal lines.
 - As shown in Fig. 2-1-4-2 (b), when the blue is outside from the red on CPT screen, insert the DY fixing wedge between the right-side DY viewed from the rear of CPT and CPT funnel.
- (3) AS shown in Fig. 2-1-4-2 (c), when the blue is inside from the red on CPT screen, insert the wedge between the left-side DY and CPT funnel.
- (4) Insert two DY fixing wedges with approx.120 to the DY fixing wedge inserted in the Items (2) or (3) and remove the adjustment wedge (temporary).
 Use the DY fixing wedge after peoling off the tape. After the

Use the DY fixing wedge after peeling off the tape. After the location, press and adhere it to the funnel.

HITACHI CPT A78LCU30X(M), A80LJF30X



2-2 Focus Adjustment

Fig. 2-1-4-2

| NO. | MODEL | CPT | CONDITION | FOCUS VR SETTING POSITION |
|-----|-----------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4 | 35TX20B CZ52 | A89AEJ15X01 | Receive the Crosshatch Signal Picture Control: Maximum Sharpness Control: Center Brightness Control: Where the back ground is set. | Turn the Focus VR gradually clockwise from the full counterclockwise. Then set it to the point where the focus of the 5th vertical line from the screen center becomes best. |
| 2 | 32CX7B CY57 | A80LJF30X | Same as above | Turn the Focus VR gradually clockwise from the full counterclockwise. Then set it to the point where the focus of center vertical line from the screen center becomes best. |
| 3 | 31CX6B CY56 | A78LCU30X(M) (HED-US) | Same as above | Turn the Focus VR gradually clockwise from the full counterclockwise. Then set it to the point where the focus of center vertical line from the screen center becomes best. |
| 4 | 31CX5B CY55 | A78LCU30X(M) (HED-US) | Same as above | Turn the Focus VR gradually clockwise from the full counterclockwise. Then set it to the point where the focus of the 6th vertical line from the screen center becomes best. |

2-3. Deflection Circuit Picture Adjustment

2-3-1. Horizontal Center Adjustment VR(R704)

Adjustment Preparation

 Receive Circle Pattern Signal. Set CONTRAST to maximum and BRIGHTNESS to center.

Adjustment Procedure

 Adjust H. size marker, turn VR(R704) to adjust difference of right and left horizontal size marker is within 0.5.

2-3-2. Vertical Size Adjustment VR(R62A)

Adjustment Preparation

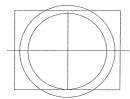
- (1) The set should face the North or South.
- Receive Circle Pattern Signal, and set CONTRAST to maximum and BRIGHTNESS to center.

Adjustment Procedure

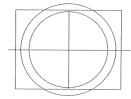
 Adjust V. size VR(R62A) so that the outer circle of the Circle Pattern is like the figure.

Note: Wait 5 minutes or more after turning the power ON to perform this adjustment.

(i) When the picture center is below CPT center Adjust so that 1/2 of the width of the outer circle comes to the top of the screen.

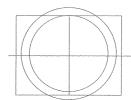


(ii) Standard Condition
Adjust so that the inner circle comes in contact with the top and bottom of the screen.



iii) When the picture center is above CPT center.

(1) When the picture center is 0-2 mm above CPT center, adjust so that the bottom of the inner circle comes in contact with the bottom of the screen.



(2) Except for the above, adjust so that 1/2 of the width of the outer circle comes to the bottom of the screen.

2-3-3. Side Pin Distortion Adjustment VR(R752) Adjustment Preparation

 Receive Crosshatch Signal and set CONTRAST to maximum and BRIGHTNESS to the point where the background is set.

Adjustment Procedure

(1) Adjust VR(R752) so that the line of the right and left is straight.

2-3-4. Horizontal Size Adjustment VR(R755, R775) Adjustment Preparation

- (1) Receive Circle Pattern Signal.
- (2) Set CONTRAST to maximum and BRIGHTNESS to center.

Adjustment Procedure

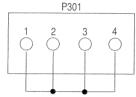
- (1) Set the VR(R775) at the counterclockwise end.
- (2) Vary VR(R755) so that the horizontal size markers at the right and left end are A A on the average.*
- (3) Vary VR(R775) so that the horizontal size markers at right and left are B B on the average.*
- Vary VR(R704)so that the difference of the horizontal size markers at the right and left end are within 1.5.

| CPT SIZE | Α | В |
|----------|-----|-----|
| 35V | 0.5 | 1.0 |
| 32V | 1.0 | 1.5 |
| 31V | 1.0 | 1.5 |

2.4. White Balance Adjustment

Adjustment Preparation

- (1) Apply heat-run 10 minutes or more after the power is turned ON.
- (2) Check that the Purity Adjustment has been completed.
- (3) Set the vertical incident illumination on the CPT surface to 20 lux or less.
- (4) Receive White Raster Signal.
- (5) Set Drive Adjusting VRs (R806, R816) to the mechanical center.
- (6) Turn Low Brightness White Balance adjusting VRs(R807, R814, R818) fully counterclockwise.
- (7) Set the Color Temperature Control (White Control) to OFF (STD).
- (8) Turn the SCREEN Adjusting VR fully counterclockwise.
- (9) Short circuit TP connector pin 1~4.



Adjustment Procedure

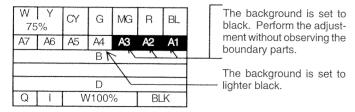
- (1) Turn the SCREEN Adjusting VR clockwise and set it to the position where the bright colored line starts appearing on CPT screen. Do not turn thereafter the Low Brightness White Balance VR (This is called VR-A) corresponding to the color first appearing. When a bright colored line does not appear, set the SCREEN VR fully clockwise.
- (2) Turn clockwise the Low Brightness White Balance VRs except VR-A and adjust so that the red, green and blue bright colored lines appear on the screen equally.
- (3) Remove the jig which has shorted TP connector.
- (4) Set CONTRAST and BRIGHTNESS control to minimum and turn SUB-BLACK LEVEL VR (R340) to set at the position where the white raster is just slightly seen.
- (5) Set the White Balance Meter at the center of the screen.
- (6) Adjust CONTRAST control so that the indication of the Brightness Meter is 80% of the full scale. Then, turn the Drive adjusting VRs (R806, R816) and adjust the High-Brightness White Balance.
- (7) Adjust CONTRAST control to minimum and check that the Low-Brightness White Balance is obtained by directly observing the CPT surface, without using a mirror.
- (8) When the Low Brightness White Balance is not obtained, adjust other Low-Brightness White Balance VRs except VR-A and return to item (6). White Balance Color Temperature Setting 7,200K.
- (9) Set White Control (Color Temperature Control) to ON (COOL), and check that Color Temperature is approximately 9,300 K.

2-5. Sub-Black Level Adjustment VR(R340) Adjustment Preparation

- Apply heat-run for 10 minutes or more after the power is turned ON.
- (2) Receive Color Bar Signal.
- (3) Set CONTRAST and COLOR Controls to minimum.
- (4) Set the vertical incident illumination on the CPT surface to 20 lux or less.
- (5) Set BRIGHTNESS Control to the center position.
- (6) Set White Control to OFF (STD).

Adjustment Procedure

(1) Turn SUB-BLACK LEVEL adjustment VR (R340) as follows. SUB-BLACK LEVEL adjustment the background of A1,A2, A3 are set to black and A4 is set lighter black.



(2) Check by directly observing the CPT surface, without using a mirror.

2-6. AGC Adjustment VR(R202)

Adjustment Preparation

- After all the adjustments are finished, heat-run 5 minutes or more in signal receiving condition.
- (2) Receive Color Bar Signal or High-VHF Channel (CH10).
- (3) Set CONTRAST to maximum, and BRIGHTNESS to On-Screen Display center.
- (4) Antenna input power: 53dBm $^{+1}_{-0}$ (-53dBm \sim -52dBm)
- (5) Connect DC Voltmeter of internal resistance $1M\Omega$ or more to TPI5.

Adjustment Procedure

- Adjust AGC Adjustment VR (R202) until the indication of DC Voltmeter does not change any more at the maximum point. The reading of DC Voltmeter is named V1.
- (2) Adjust AGC Adjustment VR (R2O2) so that the indication of DC Voltmeter is {V1-(0.5 \pm 0. 2)}V. Verify that there is no video noise visibly seen.

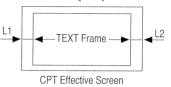
2-7. Channel Selector Operation Check

2-7-1. CCD Display Position Adjustment. Adjustment Preparation

- (1) Receive an Encoded Signal of Closed Caption Signal.
- (2) Press and hold down the AVX key and press POWER key of MAIN P.W.B. front keys, turn ON the set.

Adjustment Procedure

(1) When the TEXT from the CAPTION appears On Screen. Adjust the size of TEXT and from area satisfies the following specification by using (◀), (▶) control buttons.



/ L1- L2 /≦2mm or less at CPT Center

When the adjustment item(1) is finished, turn OFF the set by the POWER kev.

2-8. Matching Check With Other Instruments

2-8-1. VIDEO 1 Input Terminal Matching Check Adjustment Preparation

- Input a Video Signal to the VIDEO 1 terminal. The Video Signal Level should be within 1 ± 0.2 Vp-p (75 ohm termination) with 100% White Signal.
- (2) Input an Audio Signal to the AUDIO 1 terminal. The Audio Signal Level should be 400m Vrms ± 2m Vrms at this time. (Connect VCR or TV TUNER)
- (3) Connect an Audio AMP to the AUDIO OUT terminals. (Or connect VIDEO and AUDIO terminals of a standard monitor.

Adjustment Procedure

- (1) Check that the set receives signal when the AVX1 Mode is selected, by pressing the AVX (FUNCTION) button on the front side of the set.
- (2) When an External Input is performed, the Video and Audio should not be abnormal.

The 100% White Signal that RF input receives should be as bright as the Video Signal 1Vp-p (75 ohm termination). As for the sound, when the 100% modulation that RF input receives is 25KHZ, DIV., the Sound Level should be as much as the External Audio Signal (400 Vrms) level.

2-8-2. VIDEO 2 Input Terminal Matching Check. Adjustment Preparation

(1) Same as 2-8-1.

Adjustment Procedure

(1) Check that the set receives signal at AVX2 Mode.

2-8-3. VIDEO 3 Input Terminal Matching Check Same as 2-8-2.

2-8-4. S -IN Input terminal Matching check.

Adjustment Preparation

- (1) Connect the Video/Chroma Signal to S-IN terminal.
- Connect the Sound Signal to AUDIO 1 input terminals.

Adjustment Procedure

(1) Check that the set receives signal at S-IN Mode.

2-8-5. AUDIO Output Level Check

Adjustment Preparation

- (1) Input the same Audio Signal as Item 2-8-1 (2) to AUDIO IN terminal(L). At this time, connect nothing to R terminal.
- (2) Input the same Audio Signal as Item 2-8-1 (2) to AUDIO IN terminal (R). At this time, connect nothing to L terminal.
- (3) Check that the Normal Sound is output from both sides of the speakers when signal in item (1) is input.
- (4) Check that the Normal Sound is output from only the right ((R) speaker when signal in Item (2) is input.

Adjustment Procedure

- (1) Check that the Audio Output of AUDIO AMP connected to AUDIO Hi-Fi OUT terminals or monitor changes according to the "VOLUME" of the set.
- (2) Confirm that the Output Level of item(1) should be 1Vrms (2.8 Vp-p) ± 20%. (Above level is equivalent to maximum VOL-UME,100% Modulated Signal Input.)

2-9. Safety Check

2-9-1. Polarity Check

There should be electricity between AC Power Cord and Chassis Earth.

2-10. MTS Operation Check

2-10-1. STEREO/SAP Broadcast Receiving Check

Adjustment Preparation

- Set the set so that a MTS Broadcast (STEREO/SAP) can be received..
- (2) Set MTS Mode to STEREO or SAP Mode. Note: To select between "STEREO/SAP", display sound setting of MTS Mode and select SOUND MENU.
- (3) Set BALANCE to the center.

Adjustment Procedure

(1) When one of the MTS Broadcast Stereo or SAP is received, check that "ST" or "SA" is displayed on the screen.

| | STEREO | · | 11 | |
|----|--------|----|----|--|
| or | SAP | | ST | |
| | | or | SA | |

(2) STEREO Broadcast Receiving Check

- Select MTS Mode and press ENTER button to display "STEREO" on the screen.
- (II) When only Lch signal is received, Lch sound comes out from the left speaker.
- (III) When only Rch signal is received, Rch sound comes out from the right speaker.
- (IV) When Monaural Signal is received, Monaural Sound comes out from both of the right and left speakers.
- (3) SAP Broadcast Receiving Check
 - (I) Select MTS Mode and press ENTER button to display "SAP" on the screen.
 - (II) SAP signal comes out from both of the right and left speakers
 - (III) When no SAP signal,the sound on "MAIN" side comes out.

Note: When the Channel selection is performed or RECALL button is operated "ST" or "SA" is shown below the Channel No. (For approximately 8 seconds)

2-10-2. MTS Mode Check

Adjustment Preparation

 Set the set so that a MTS Broadcast (STEREO/SAP) can be received. (2) Set BALANCE to the center.

Adjustment Procedure

- (1) When "MTS MODE" Mode is set to "MONO" side, check that STEREO and MONO indication lamps which have been ON are turned OFF and that Monaural Sound comes out from the right and left speakers.
- (2) When "MTS MODE" Mode is set to "STEREO" side, check that STEREO and MONO indication lamps which have been OFF are turned ON and that STEREO and SAP sound can be received.

2-10-3. STEREO Separation Check

Adjustment Preparation

- Set the set so that a MTS Broadcast (STEREO/SAP) can be received.
- (2) Make Surround "OFF".
- (3) Set MTS MODE to "STEREO".
- (4) Connect AUDIO OUT terminals L and R to an Oscilloscope.

Adjustment Procedure

(1) When STEREO L only signal (or R only signal) is received, check that the Output Level Ratio of L CH and R CH is 15 dB or more. (Example)

| СН | Output Level | | | |
|----|------------------|--|--|--|
| L | 1.2 Vpp | | | |
| R | 0.21 Vpp or less | | | |

When L only is received (100% modulation)

2-11. Setting For Delivery

Setting is possible by Remo-Con jig.

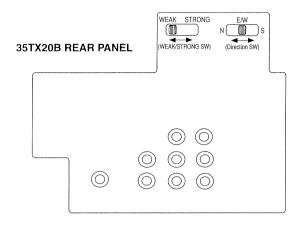
SPECIFICATION BY MODELS

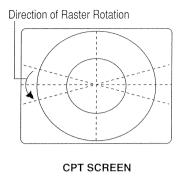
| | T | | | | |
|------------------------|--------------------------|------------------------|--|--|--|
| NAME | SPECIFICATIONS BY MODELS | | | | |
| | P in P | No P in P | | | |
| AIR/CABLE | AIR | AIR | | | |
| RECEPTION CHANNEL | CH 03 | CH 03 | | | |
| SOUND (VOLUME) | "10" On-Screen Display | "10" On-Screen Display | | | |
| INPUT SELECT (AVX) | TV Mode | TV Mode | | | |
| CONTRAST | Maximum | Maximum | | | |
| COLOR | Center | Center | | | |
| TINT | Center | Center | | | |
| BRIGHTNESS | Center | Center | | | |
| SHARPNESS | Center | Center | | | |
| WHITE CONTROL | ON: (COOL) | ON: (COOL) | | | |
| BALANCE | Center | Center | | | |
| BASS | Center | Center | | | |
| TREBLE | Center | Center | | | |
| MTS MODE | STEREO | STEREO | | | |
| SURROUND | OFF | OFF | | | |
| LOUDNESS | OFF | OFF | | | |
| INTERNAL SPEAKERS | ON | ON | | | |
| PINP | OFF | | | | |
| CLOSED CAPTION | OFF | OFF | | | |
| CLOSED CAPTION MODE | C.C. | C.C. | | | |
| CLOSED CAPTION CHANNEL | 1 | 1 | | | |

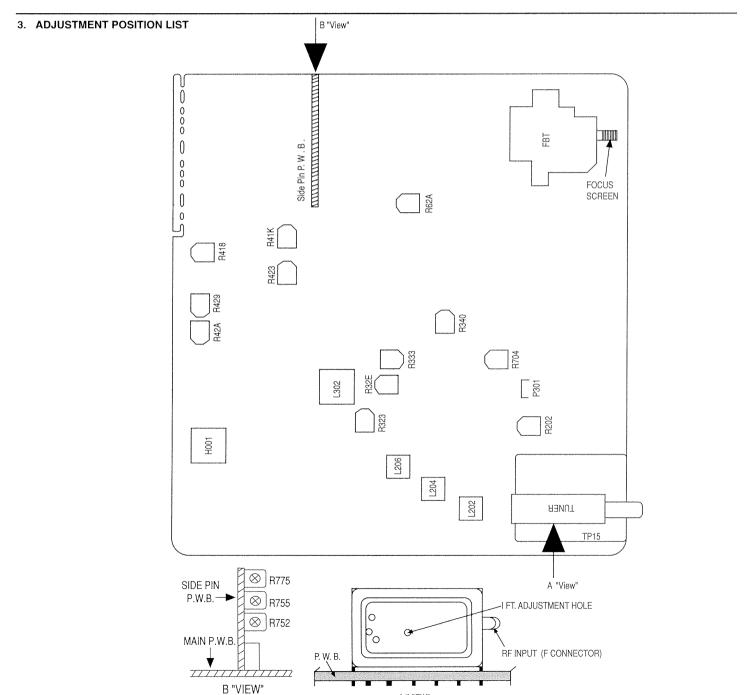
2-12. Magnetic Field Correction Circuit Operation Check. (35TX20B/CZ52 Only)

Adjustment Preperation

- (1) Receive Circle Pattern Signal.
- (2) Set "Weak/Strong SW" to "Strong".
- (3) Set "Direction SW" to "N"
- (4) Check that the raster rotates to counterclockwise when "Direction SW" set from "N" to "S".
- (5) Set "Weak/Strong SW" set to "Weak.
- (6) Set "Direction SW to "N".
- (7) Check that the raster rotates to counterclockwise when "Direction SW" set from "N" to "S". (Check the rotation angle is less than "Strong" position.
- (8) Set "Weak/Strong SW" to "Strong" and "Direction SW" to "E/W".







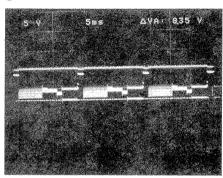
A "VIEW"

WAVEFORMS AT EACH SECTION

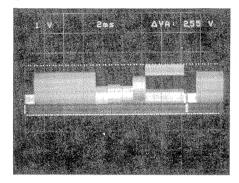
Numbers inside circle correspond to locations shown in the circuit diagram.

1 U101 Pin 7 (IF Out)

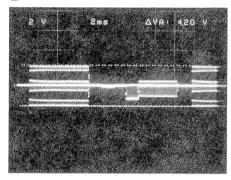
5 I201 Pin 21 (-Y)



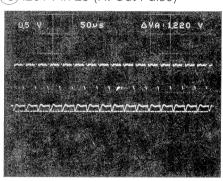
(9) I201 Pin 44 (Video Det. Out)



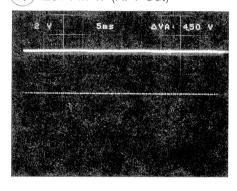
(2) I201 Pin 18 (R-Y)



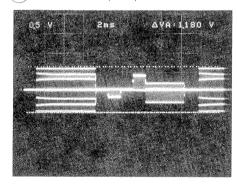
(6) I201 Pin 23 (H. Out Pulse)



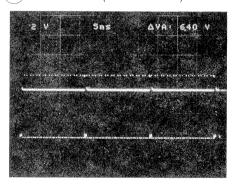
(10) I201 Pin 47 (AFT Out)



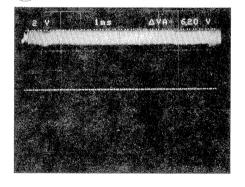
(3) I201 Pin 19 (G-Y)



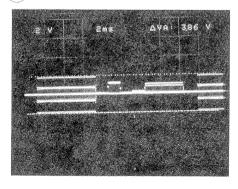
(7) I201 Pin 28 (V. Out Pulse)



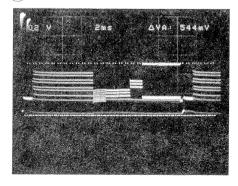
(11) I201 Pin 49 (RF-AGC Out)



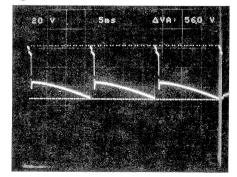
(4) I201 Pin 20 (B-Y)



(8) I201 Pin 34 (Video In)



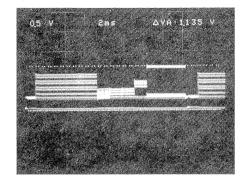
(12) I620 Pin 12 (V.Out)



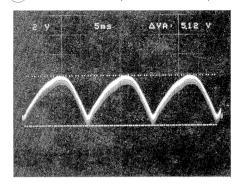
WAVEFORMS AT EACH SECTION

Numbers inside circle correspond to locations shown in the circuit diagram.

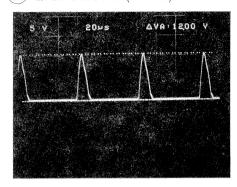
(13) Q30C Emitter (Y)



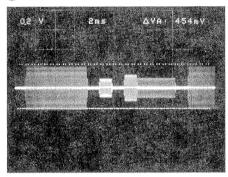
(17) Q650 Emitter (Side Pin Drive)



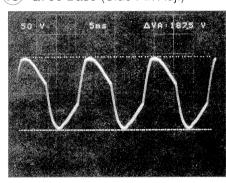
(21) Q702 Collector (H. Out)



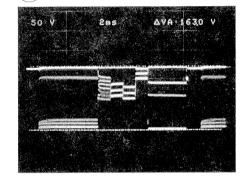
(14) Q309 Emitter (C)



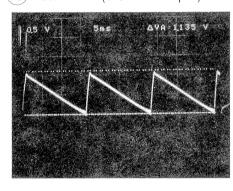
(18) Q750 Base (Side Pin Adj.)



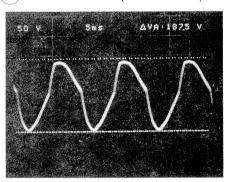
(22)Q854 Collector (Video Amp. Red)



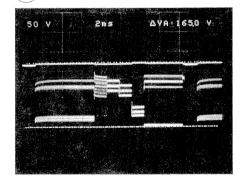
(15) P65B Pin 1 (Side Pin Amp +)



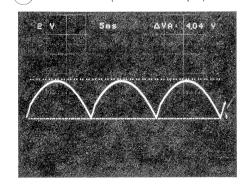
(19) Q752 Collector (Side Pin Out)



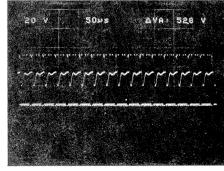
(23) Q855 Collector (Video Amp. Green)



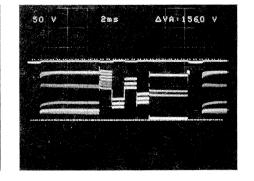
(16) P65B Pin 2 (Side Pin Amp -)



(20) Q701 Collector (Hor. Drive)



(24) Q856 Collector (Video Amp. Blue)



TROUBLESHOOTING

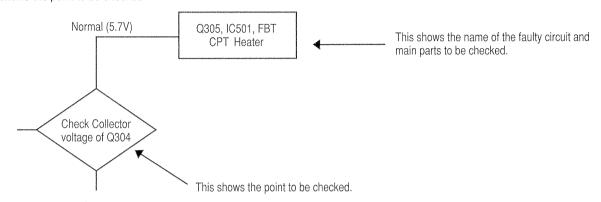
PRODUCT SAFETY NOTE

The shaded and \triangle marked components have special characteristics important to safety. Read carefully the Product Safety Notice of each service manual. Don't degrade the safety of the receiver through improper servicing when replacing any of this components.

HOW TO USE THE FLOW CHART

(1) The flow chart shows the following:

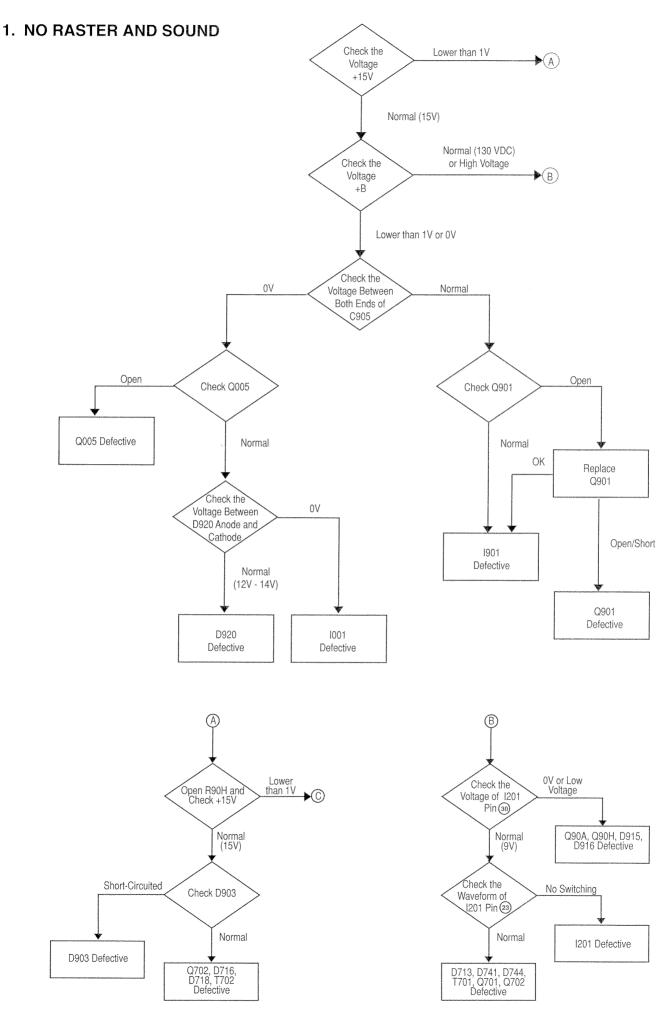
This shows the name of the faulty circuit and main parts to be checked. This shows the point to be checked.

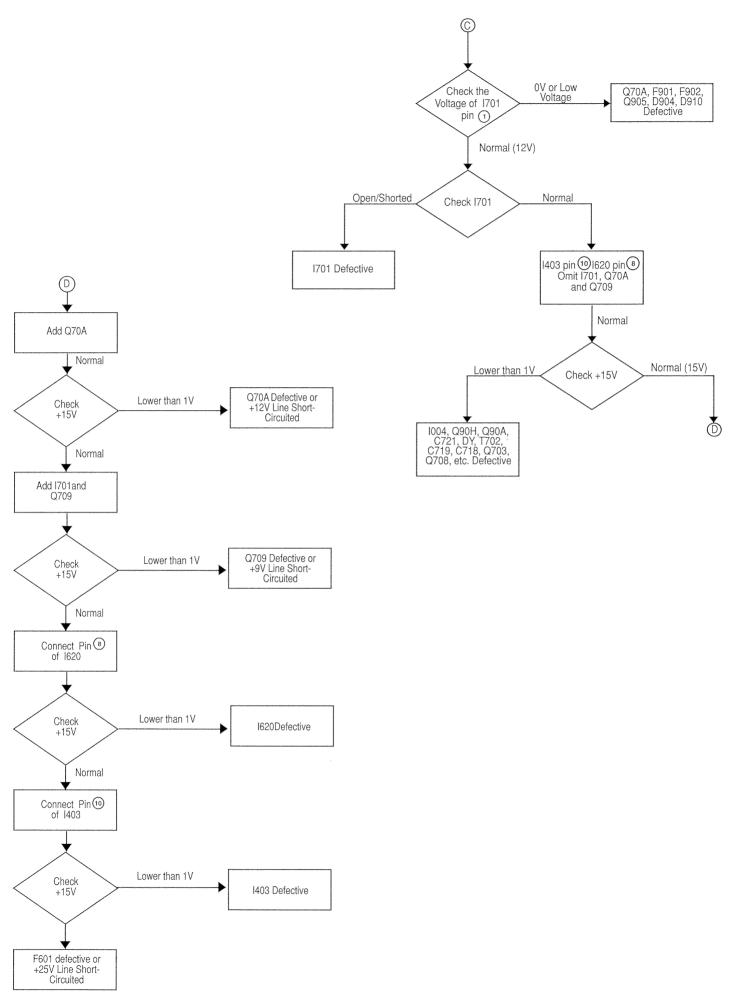


(2) The voltage shown in the chart may differ to some extent depending on the condition of the set and tester.

PRECAUTION ON MAKING MEASUREMENTS AND ON HANDLING

- 1. When any parts become abnormally hot or there is a smell of burning, cut OFF the power immediately.
- 2. Do not make shorts between circuits or across terminals except for those specified.
- 3. When applying a signal for checking purposes, make connection in the alternate current system for any not specified.
- 4. When measuring the voltages of ICs and TRs, be careful to see that the lead bar of the tester does not touch any other terminal.
- Measure the voltage correctly.
- 6. Measure the resistance over a small range.
- 7. Be sure to switch OFF the power when replacing parts.
- 8. Do not apply a soldering iron for a long time when replacing parts. (Use a solder-wick.)
- 9. Use an isolation transformer when troubleshooting.





REPLACEMENT PARTS LIST

PRODUCT SAFETY NOTE: Components marked with a \triangle have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

ABBREVIATIONS

Capacitors: CD: Ceramic DiscResistors: CF: Carbon FilmSemiconductors: TR: TransistorPF: Polyester FilmCC: Carbon CompositionDI: Diode

PF: Polyester Film
CC: Carbon Composition
DI: Diode
EL: Electrolytic
MF: Metal Oxide Film
VR: Variable Resistor
VR: Tantalum
FR: Fuse Resistor
VR: Integrated Circuit
VR: Trimmer
VR: Metal Glaze

SYMBOL PART PART SYMBOL PART PART NO. NO. DESCRIPTION NO. NO. DESCRIPTION CAPACITORS C20E 0246463R CAP.-CERAMIC 91PF-J CH 50V C20F 0880044R CAP-POLYESTER 0.01LIE-KER 50V C001 0890087B CAP.-CERAMIC 1000PF-K 50V C20H 0800001R CAP.-ELECTRO. 0.47UF-M 50V C002 0800047R CAP.-ELECTRO. 100UF-M 6.3V C20K CAP.-CERAMIC 15PF-J 50V 0890063R C003 0800072R CAP-ELECTRO, 470UF-M 6.3V C210 0890121R CAP.-CERAMIC 33PF-J CH 50V C004 0244141R CAP.-CERAMIC 0.01UF-KB B 50V C211 0890121R CAP.-CERAMIC 33PF-J CH 50V C005 0890121R CAP.-CERAMIC 33PF-J CH 50V C212 CAP.-CERAMIC 2200PF-K 50V TAPE 0244105B C006 0890121R CAP.-CERAMIC 33PF-J CH 50V C213 0890089R CAP.-CERAMIC 1500PF-K 50V C007 0800003R CAP.-ELECTRO. 1.0UF-M 50V C214 0880053R CAP.-POLYESTER 0.047UF-KEB 50V C008 0276717R CAP.-POLY. 0.1UF-J 50V (TF TYP E) C215 0800041R CAP.-ELECTRO. 47UF-M 16V COOF 0800009R CAP.-ELECTRO. 4.7UF-M 25V C217 0890118R CAP.-CERAMIC 22PF-J CH 50V C010 0800009R CAP.-ELECTRO. 4.7UF-M 25V C301 0800003R CAP.-ELECTRO. 1.0UF-M 50V C011 CAP.-ELECTRO. 100UF-M 16V 0800049R C302 0800005R CAP.-ELECTRO, 2.2UF-M 50V C012 0800009R CAP.-ELECTRO. 4.7UF-M 25V C303 0800015R CAP.-ELECTRO. 10UF-M 16V C013 0800015R CAP.-ELECTRO. 10UF-M 16V C304 0800003R CAP.-ELECTRO. 1.0UF-M 50V C014 0800015R CAP.-ELECTRO. 10UF-M 16V C305 0244141R CAP.-CERAMIC 0.01UF-KB B 50V C015 0800009R CAP.-ELECTRO. 4,7UF-M 25V C307 0800005R CAP.-ELECTRO. 2.2UF-M 50V C016 0800009R CAP.-ELECTRO. 4.7UF-M 25V C309 0800009R CAP.-ELECTRO, 4.7UF-M 25V C017 0800009R CAP.-ELECTRO, 4,7UF-M 25V C30A 0890073R CAP.-CERAMIC 82PF-J 50V C018 0880051R CAP.-POLYESTER 0.033UF-KEB 50V C30C 0890061R CAP.-CERAMIC 10PF- 50V C019 0890086R CAP.-CERAMIC 820PF-K 50V CAP.-CERAMIC 0.01UF-KB B 50V C30E 0244141R C01A 0880048R CAP.-POLYESTER 0.022UF-KEB 50V C30K 0800015R CAP.-ELECTRO. 10UF-M 16V C01E 0800074N CAP.-ELECTRO. 470UF-M 16V(CZ52/CY57/CY56) C310 0880044R CAP.-POLYESTER 0.01UF-KEB 50V C01H 0800015R CAP.-ELECTRO. 10UF-M 16V C311 0890073R CAP.-CERAMIC 82PF-J 50V C022 0880048R CAP.-POLYESTER 0.022UF-KEB 50V C313 0880044R CAP.-POLYESTER 0.01UF-KEB 50V C023 0880044R CAP.-POLYESTER 0.01UF-KEB 50V C314 0880044R CAP.-POLYESTER 0.01UF-KEB 50V C024 0890087R CAP.-CERAMIC 1000PF-K 50V C315 0800049R CAP.-ELECTRO. 100UF-M 16V C025 0800009R CAP.-ELECTRO. 4.7UF-M 25V C316 0800009R CAP.-ELECTRO, 4.7UF-M 25V C030 0244105R CAP.-CERAMIC 2200PF-K 50V TAPE C317 0800049R CAP-ELECTRO, 100UF-M 16V C031 0276717R CAP.-POLY. 0.1UF-J 50V (TF TYP E) C318 0800015R CAP.-ELECTRO. 10UF-M 16V C032 0890078R CAP.-CERAMIC 220PF-K 50V C319 0880044R CAP.-POLYESTER 0.01UF-KEB 50V C090 0890087R CAP.-CERAMIC 1000PF-K 50V C31A 0800015R CAP.-ELECTRO. 10UF-M 16V CAP.-ELECTRO. 10UF-M 16V C091 0800015R C31C 0880044R CAP.-POLYESTER 0.01UF-KEB 50V C092 0880048R CAP.-POLYESTER 0.022UF-KEB 50V C31E 0244141R CAP.-CERAMIC 0.01UF-KB B 50V C093 0800005R CAP.-ELECTRO. 2.2UF-M 50V C31H 0800015R CAP.-ELECTRO. 10UF-M 16V C094 0800047B CAP.-ELECTRO. 100UF-M 6.3V C31K 0880044R CAP.-POLYESTER 0.01UF-KEB 50V C095 0890121R CAP.-CERAMIC 33PF-J CH 50V C320 0800015R CAP.-ELECTRO. 10UF-M 16V C096 0890121R CAP-CERAMIC 33PF-J CH 50V C321 0244141R CAP.-CERAMIC 0.01UF-KB B 50V C101 0800047R CAP.-ELECTRO. 100UF-M 6.3V C322 0800049R CAP.-ELECTRO, 100UF-M 16V C102 0244105R CAP.-CERAMIC 2200PF-K 50V TAPE C323 0800023B CAP.-ELECTRO. 22UF-M 16V(CY55/CY57BP) C103 0244141B CAP.-CERAMIC 0.01UF-KB B 50V C325 0800015R CAP.-ELECTRO. 10UF-M 16V C104 0800082F CAP.-ELECTRO. 1000UF-M 16V C326 0800009R CAP.-ELECTRO. 4.7UF-M 25V C105 0244141R CAP.-CERAMIC 0.01UF-KB B 50V C327 0800049R CAP.-ELECTRO. 100UF-M 16V C106 0244105B CAP.-CERAMIC 2200PF-K 50V TAPE C330 0800042R CAP.-ELECTRO. 47UF-M 25V C107 0890063R CAP.-CERAMIC 15PF-J 50V C332 0244141R CAP.-CERAMIC 0.01UF-KB B 50V C108 0244105R CAP.-CERAMIC 2200PF-K 50V TAPE C3801 0800015R CAP.-ELECTRO. 10UF-M 16V(CZ52) C109 0244105R CAP.-CERAMIC 2200PF-K 50V TAPE C3802 CAP.-ELECTRO. 10UF-M 16V(CZ52) 0800015R C110 0890072R CAP.-CERAMIC 68PF-J 50V C3803 0800041R CAP.-ELECTRO. 47UF-M 16V(CZ52) C111 0890072R CAP.-CERAMIC 68PF-J 50V C3804 0800015R CAP.-ELECTRO. 10UF-M 16V(CZ52) C112 0890072R CAP.-CERAMIC 68PF-J 50V C3805 0244171B CAP.-CERAMIC 0.01UF-Z F 50V TAPE(CZ52) C201 0800015B CAP.-ELECTRO. 10UF-M 16V C390 0890063R CAP.-CERAMIC 15PF-J 50V C202 0800082F CAP.-ELECTRO. 1000UF-M 16V C391 0880044R CAP.-POLYESTER 0.01UF-KEB 50V C203 0244105R CAP.-CERAMIC 2200PF-K 50V TAPE C392 0890078R CAP.-CERAMIC 220PF-K 50V C204 0880044R CAP.-POLYESTER 0.01UF-KEB 50V C393 0800023R CAP.-ELECTRO. 22UF-M 16V(CY55/CY57BP) C205 0880053R CAP.-POLYESTER 0.047UF-KEB 50V C394 0880044R CAP.-POLYESTER 0.01UF-KEB 50V(CY55/CY57BP) C206 0890087R CAP.-CERAMIC 1000PF-K 50V C399 0244141R CAP.-CERAMIC 0.01UF-KB B 50V C208 0880055R CAP.-POLYESTER 0.068UF-KEB 50V C401 0800049R CAP-FLECTRO 100UE-M 16V C20A 0246464R CAP-CERAMIC 100PE-J CH 50V TAPE C402 0800015R CAP.-ELECTRO. 10UF-M 16V C20C 0890118R CAP.-CERAMIC 22PF-J CH 50V C403 0800015R CAP.-ELECTRO. 10UF-M 16V

| SYMBOL | PART | PART | SYMBOL | PART | PART |
|--------------|----------------------|--------------------------------------------------------------------|--------------------------------|----------------------|---------------------------------------------------------------------------|
| NO. | NO. | DESCRIPTION | NO. | NO. | DESCRIPTION |
| C404 | 0800049R | CAPELECTRO. 100UF-M 16V | C503 | 0800001R | CAP,-ELECTRO. 0.47UF-M 50V |
| C405 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V | C504 | 0800082F | CAPELECTRO. 1000UF-M 16V |
| C406 | 0800009R | CAPELECTRO. 4.7UF-M 25V CAPELECTRO. 4.7UF-M 25V | C507 C510 | 0800074N 0880044R | CAPELECTRO. 470UF-M 16V CAPPOLYESTER 0.01UF-KEB 50V |
| C407 C408 | 0800009R 0800039R | CAPELECTRO. 4.70F-W 25V | C601 | 0800003R | CAP-ELECTRO, 1.0UF-M 50V |
| C409 | 0276717R | CAPPOLY. 0.1UF-J 50V (TF TYP E) | C602 | 0890089R | CAPCERAMIC 1500PF-K 50V |
| C40A | 0292712F | CAPTANTALUM 3.3UF-K 16V | C603 | 0880046R | CAPPOLYESTER 0.015UF-K 50V |
| C40C | 0292714F | CAPTANTALUM 10UF-K 16V | C604 | 0800048R | CAPELECTRO. 100UF-M 10V |
| C40E C40H | 0800001R 0800015R | CAPELECTRO. 0.47UF-M 50V CAPELECTRO. 10UF-M 16V | C605 C606 | 0800003R 0890087R | CAPELECTRO. 1.0UF-M 50V CAPCERAMIC 1000PF-K 50V |
| C40K | 08000013R | CAPELECTRO, 0.47UF-M 50V | C607 | 0244107R | CAPCERAMIC 3300PF-K 50V TAPE |
| C410 | 0800009R | CAPELECTRO. 4.7UF-M 25V | C608 | 0800003R | CAPELECTRO. 1.0UF-M 50V |
| C411 | 0800001R | CAP-ELECTRO. 0.47UF-M 50V | C609 | 0800015R | CAPELECTRO. 10UF-M 16V |
| C412 | 0244141R | CAP CLECTRO 4.7 LE M 25V | C60F C620 | 0890082R 0800057R | CAPCERAMIC 390PF-K 50V CAPELECTRO. 220UF-M 10V |
| C413 C414 | 0800009R 0800001R | CAPELECTRO. 4.7UF-M 25V CAPELECTRO. 0.47UF-M 50V | C621 | 0880042R | CAPPOLYESTER 0.0068UF-KEB50V |
| C415 | 0800001R | CAPELECTRO. 0.47UF-M 50V | C622 | 0292716R | CAPTANTALUM 1.0UF-K 20V |
| C416 | 0800001R | CAPELECTRO. 0.47UF-M 50V | C623 | 0248696R | CAPCERAMIC 330PF-J SL 50V TAPE |
| C417 | 0800001R | CAP-ELECTRO. 0.47UF-M 50V | C624 | 0800061N | CAPELECTRO. 220UF-M 35V |
| C418 C419 | 0800007R 0800049R | CAPELECTRO. 3.3UF-M 50V CAPELECTRO. 100UF-M 16V | C625 C626 | 0800007R 0276717R | CAPELECTRO. 3.3UF-M 50V CAPPOLY. 0.1UF-J 50V (TF TYP E) |
| C419 C41C | 0800049R 0244105R | CAPELECTRO. 1000F-W 16V CAPCERAMIC 2200PF-K 50V TAPE | C627 | 0800007R | CAPELECTRO. 3,3UF-M 50V |
| G41E | 0880048R | CAPPOLYESTER 0.022UF-KEB 50V | C628 | 0800003R | CAPELECTRO. 1.0UF-M 50V |
| C41H | 0276717R | CAPPOLY. 0.1UF-J 50V (TF TYP E) | C629 | 0800083F | CAPELECTRO. 1000UF-M 25V(31V/32V) |
| G41K | 0880048R | CAPPOLYESTER 0.022UF-KEB 50V | C629 | 0800084F | CAPELECTRO. 1000UF-M 35V(CZ52) |
| C420 C421 | 0800003R 0244111R | CAPELECTRO. 1.0UF-M 50V CAPCERAMIC 6800PF-K 50V TAPE | C62A C62H | 0800056R 0276717R | CAPELECTRO. 220UF-M 6.3V CAPPOLY. 0.1UF-J 50V (TF TYP E) |
| C422 | 0276719R | CAPPOLYESTER 0.15UF-J 50V | C630 | 0890087R | CAPCERAMIC 1000PF-K 50V |
| C423 | 0800015R | CAPELECTRO. 10UF-M 16V | C630 | 0880053R | CAPPOLYESTER 0.047UF-KEB 50V |
| C424 | 0800015R | CAPELECTRO. 10UF-M 16V | C631 | 0800041R | CAPELECTRO. 47UF-M 16V |
| C425 | 0890087R | CAP, COLVECTED O 2001 F KER 50V | C632 C632 | 0880039R 0880042R | CAPPOLYESTER 0.0047UF-KEB50V(31V/32V) CAPPOLYESTER 0.0068UF-KEB50V(CZ52) |
| C426 C427 | 0880056R 0248700R | CAPPOLYESTER 0.082UF-KEB 50V CAPCERAMIC 680PF-J SL 50V | C633 | 08000042H | CAPPOLTESTER 0.000000F-REBS0V(C232) |
| C428 | 0800023R | CAPELECTRO. 22UF-M 16V | C634 | 0800003R | CAPELECTRO. 1.0UF-M 50V |
| C429 | 0244111R | CAPCERAMIC 0.082UF-KEB 50V | C636 | 0800005R | CAPELECTRO. 2.2UF-M 50V |
| C42A | 0276719R | CAPPOLYESTER 0.15UF-J 50V | C637 | 0800018R | CAP-ELECTRO. 10UF-M 50V |
| C42C C42E | 0276717R 0276717R | CAPPOLY. 0.1UF-J 50V (TF TYP E) CAPPOLY. 0.1UF-J 50V (TF TYP E) | C701 ↑ C702 | 0890087R 0800003R | CAPCERAMIC 1000PF-K 50V CAPELECTRO. 1.0UF-M 50V |
| C42H | 0276717R | CAPPOLY. 0.1UF-J 50V (TF TYP E) | C703 | 0800003R | CAR-ELECTRO. 1.0UF-M 50V |
| C42K | 0276717R | CAPPOLY. 0.1UF-J 50V (TF TYP E) | C704 | 0880051R | CAPPOLYESTER 0.033UF-KEB 50V |
| C430 | 0800001R | CAPELECTRO. 0.47UF-M 50V | C705 | 0890087R | CAPCERAMIC 1000PF-K 50V |
| C431 | 0800001R | CAPELECTRO. 0.47UF-M 50V | C706 C707 | 0244141R 0800049R | CAPCERAMIC 0.01UF-KB B 50V CAPELECTRO. 100UF-M 16V |
| C432 C433 | 0800016R 0800047R | CAPELECTRO. 10UF-M 25V CAPELECTRO. 100UF-M 6.3V | C707 | 0800049R 0800001R | CAR-ELECTRO. 0.47UF-M 50V |
| C434 | 0244105R | CAR-CERAMIC 2200PF-K 50V TAPE | C714 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V |
| C435 | 0800059R | CAPELECTRO. 220UF-M 25V | C715 | 0247842R | CAPCERAMIC 33PF-SL 500V |
| C436 | 0244105R | CAPCERAMIC 2200PF-K 50V TAPE | C716 | 0880019R | CAPPOLYESTER 0.33UF-KB 50V |
| C437 C438 | 0800059R 0800047R | CAPELECTRO. 220UF-M 25V CAPELECTRO. 100UF-M 6.3V | <u>∧</u> C718 ∧ C719 | 244729 244728 | CAPCERAMIC 2200PF 2KV CAPCERAMIC 1800PF 2KV |
| C439 | 0276717R | CAPPOLY. 0.1UF-J 50V (TF TYP E) | <u>∧</u> C718 | 244211 | CAPCERAMIC 1000PF-K 2KV(31V/32V) |
| C43A | 0800075F | CAPELECTRO. 470UF-M 25V | <u> </u> | 244212 | CAPCERAMIC 1200PF-K 2KV(CZ52) |
| C43C | 0800082F | CAPELECTRO. 1000UF-M 16V | C71C | 0244105R | CAPCERAMIC 2200PF-K 50V TAPE |
| C43E C43H | 0800041R 0276717R | CAPELECTRO. 47UF-M 16V CAPPOLY. 0.1UF-J 50V (TF TYP E) | C71F <u>∧</u> C71H | 0243506R 244725 | CAPCERAMIC 270PF-K 500V CAPCERAMIC 1000PF-K 2.0KV B(CZ52) |
| C43H C43K | 0800082F | CAPPOLY. 0.10F-J 50V (TF TYP E) CAPELECTRO. 1000UF-M 16V | C720 | 0244501R | CAPCERAMIC 1000PF-K 2:0KV B(0232) |
| C440 | 0800059R | CAPELECTRO. 220UF-M 25V | <u> </u> | 0262429F | CAPPOLYPRO. 12000PF-J 1800V |
| C441 | 0800015R | CAPELECTRO. 10UF-M 16V | <u> </u> | 0299707F | CAPPOLYESTOR 0.015UF-K 630V |
| C442 | 0800023R | CAPELECTRO. 22UF-M 16V | <u>∧</u> C723 | 263001 | CAP. POLYPRO A 07UE K 000V |
| C443 C444 | 0800023R 0800042R | CAPELECTRO. 22UF-M 16V CAPELECTRO. 47UF-M 25V | <u>∧</u> C724 <u>∧</u> C725 | 0299931F 0800003R | CAPPOLYPRO. 0.27UF-K 200V CAPELECTRO. 1.0UF-M 50V |
| C444 C445 | 0800042R 0800042R | CAPELECTRO. 470F-M 25V | <u>∧</u> C726 | 0299931F | CAPPOLYPRO, 0.27UF-K 200V(31V/32V) |
| C450 | 0800009R | CAPELECTRO. 4.7UF-M 25V | <u>∧</u> C726 | 0299932F | CAPPOLYPRO. 0.33UF-K 200V(CZ52) |
| C451 | 0800009R | CAPELECTRO. 4.7UF-M 25V | C72A | 0244501R | CAPCERAMIC 1000PF-K 500V |
| C453 C454 | 0800009R 0800009R | CAP-ELECTRO. 4.7UF-M 25V CAP-ELECTRO. 4.7UF-M 25V | C72C C72H | 0800073R 0800048R | CAPELECTRO. 470UF-M 10V CAPELECTRO. 100UF-M 10V |
| C454 C455 | 0800009R 0800009R | CAPELECTRO. 4.70F-M 25V CAPELECTRO. 4.7UF-M 25V | C72H C730 | 0800048H 0800084F | CAPELECTRO. 1000F-M 10V |
| C456 | 0800009R | CAPELECTRO. 4.7UF-M 25V | C732 | 0800083F | CAPELECTRO. 1000UF-M 25V |
| C457 | 0800009R | CAPELECTRO. 4.7UF-M 25V | C733 | 0800056R | CAPELECTRO. 220UF-M 6.3V |
| C458 | 0800009R | CAPELECTRO. 4.7UF-M 25V | C735 | 0800005R | CAP-ELECTRO. 2.2UF-M 50V(31V/32V) |
| C470 C471 | 0800015R 0800049R | CAPELECTRO. 10UF-M 16V CAPELECTRO. 100UF-M 16V | C735 C736 | 0800007R 0244501R | CAPELECTRO. 3.3UF-M 50V(CZ52) CAPCERAMIC 1000PF-K 500V |
| C501 | 0246445R | CAPCERAMIC 16PF-J CH 50V | C737 | 0800019R | CAPELECTRO. 10UF-M 63V |
| C502 | 0244141R | CAPCERAMIC 0.01UF-KB B 50V | C738 | 0253974F | CAPELECTRO 33UF 250V CE04W2E33(CZ52) |

| SYMBOL NO. | PART | PART | SYMBOL | PART | PART |
|---------------|----------------------|------------------------------------------------------------------------------------|--------------|----------------------|----------------------------------------------------------------------------------|
| | NO. | DESCRIPTION | NO. | NO. | DESCRIPTION |
| C738 | 0255524F | CAPELECTRO. 4.7MF-M 250V(KME)(31V/32V) | CA08 | 0800049R | CAPELECTRO, 100UF-M 16V(CZ52/CY56/57) |
| C73A | 0800041R | CAPELECTRO. 47UF-M 16V | CA09 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C73C | 0890086R | CAP. CERAMIC 1999F-K 50V | CA10 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C73H C742 | 0890087R 0254823G | CAPCERAMIC 1000PF-K 50V CAPELECTRO.100UF-M 160V | CA11 | 0800041R | CAPELECTRO. 47UF-M 16V(CZ52/CY56/57) |
| C747 | 0276717R | CAPPOLY. 0.1UF-J 50V (TF TYP E) | CA12 CA13 | 0800049R 0880044R | CAPELECTRO. 100UF-M 16V(CZ52/CY56/57) CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C74A | 0258130F | CAPELECTRO. 330MF-M 100V(KME)(CZ52) | CA14 | 0890078R | CAP-CERAMIC 220PF-K 50V(CZ52/CY56/57) |
| C74H | 0243508R | CAPACITOR-CERAMIC 390PF-K 500V(CZ52) | CA15 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C750 | 0800005R | CAPELECTRO. 2.2UF-M 50V | CA16 | 0800015R | CAPELECTRO. 10UF-M 16V(CZ52/CY56/57) |
| C751 | 0800044R | CAPELECTRO. 47UF-M 50V | CA17 | 0800001R | CAPELECTRO. 0.47UF-M 50V(CZ52/CY56/57) |
| C752 | 0284623R | CAPELECTRO. 1UF-SME(BP) 50V | CA18 | 0246445R | CAPCERAMIC 16PF-J CH 50V(CZ52/CY56/57) |
| C755 C756 | 0880035R 0800015R | CAPPOLY 2200PF-50V CAPELECTRO. 10UF-M 16V | CA19 | 0890085R | CAPCERAMIC 680PF-K 50V(CZ52/CY56/57) |
| C750 | 0800015R | CAPELECTRO. 100F-M 16V | CA20 CA21 | 0800001R 0880044R | CAPELECTRO. 0.47UF-M 50V(CZ52/CY56/57) CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C851 | 0800049R | CAR-ELECTRO. 100UF-M 16V | CA22 | 0890078R | CAPCERAMIC 220PF-K 50V(CZ52/CY56/57) |
| C852 | 0890087R | CAPCERAMIC 1000PF-K 50V | CA25 | 0800003R | CAPELECTRO. 1.0UF-M 50V(CZ52/CY56/57) |
| C853 | 0255524F | CAPELECTRO. 4.7MF-M 250V(KME) | CA26 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C856 | 0244729F | CAPCERAMIC 2200PF 2KV | CA27 | 0800005R | CAPELECTRO. 2.2UF-M 50V(CZ52/CY56/57) |
| C860 | 0890087R | CAPCERAMIC 1000PF-K 50V | CA28 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C861 C862 | 0890087R 0890087R | CAP, CERAMIC 1000PF-K 50V | CA29 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C864 | 089007A 0890076R | CAPCERAMIC 1000PF-K 50V CAP.CERAMIC 150PF-K 50V(31V/32V) | CA32 CA35 | 0800015R 0800058R | CAPELECTRO. 10UF-M 16V(CZ52/CY56/57) CAPELECTRO. 220UF-M 16V(CZ52/CY56/57) |
| C864 | 0890077R | CAPCERAMIC 180PF-K 50V(CZ52) | CA37 | 0880057R | CAPPOLYESTER 0.1UF-KEB 50V(CZ52/CY56/57) |
| C865 | 0890079R | CAPCERAMIC 270PF-K 50V(31V/32V) | CA38 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C865 | 0890082R | CAPCERAMIC 390PF-K 50V(CZ52) | CA40 | 0800049R | CAPELECTRO. 100UF-M 16V(CZ52/CY56/57) |
| C866 | 0890077R | CAPCERAMIC 180PF-K 50V(CZ52) | CA41 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C866 | 0890079R | CAPCERAMIC 270PF-K 50V(31V/32V) | CA42 | 0800049R | CAPELECTRO. 100UF-M 16V(CZ52/CY56/57) |
| C870 | 0890077R | CAP. CERAMIC 070PF (50V(31V/32V) | CA43 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C870 C872 | 0890079R 0890074R | CAPCERAMIC 270PF-K 50V(CZ52) CAPCERAMIC 100PF-J 50V | CA44 CA48 | 0800041R 0880044R | CAPELECTRO. 47UF-M 16V(CZ52/CY56/57) CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57 |
| C873 | 0890074R | CAR-CERAMIC 100PF-J 50V | CA49 | 0880044R | CAPPOLYESTER 0.010F-REB 50V(CZ52/CY56/57) |
| C874 | 0890074R | CAPCERAMIC 100PF-J 50V | CA54 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C875 | 0890074R | CAPCERAMIC 100PF-J 50V(CZ52) | CA55 | 0800049R | CAPELECTRO. 100UF-M 16V(CZ52/CY56/57) |
| C875 | 0890079R | CAPCERAMIC 270PF-K 50V(31V/32V) | CA60 | 0800015R | CAPELECTRO. 10UF-M 16V(CZ52/CY56/57) |
| C887 | 0890078R | CAPCERAMIC 220PF-K 50V(31V/32V) | CA61 | 0800007R | CAPELECTRO. 3.3UF-M 50V(CZ52/CY56/57) |
| C887 C888 | 0890084R 0890087R | CAPCERAMIC 560PF-K 50V(CZ52) CAPCERAMIC 1000PF-K 50V | CA62 CA63 | 0890085R | CAPCERAMIC 680PF-K 50V(CZ52/CY56/57) |
| C889 | 0090007H 0244171R | CAPCERAMIC 1000PF-K 50V CAPCERAMIC 0.01UF-Z F 50V TAPE | CA63 CA66 | 0890089R 0890066R | CAPCERAMIC 1500PF-K 50V(CZ52/CY56/57) CAP.CERAMIC 27PF-J 50V(CZ52/CY56/57) |
| ⚠ C901 | 279697 | CAPACITOR-POLYESTER FILM 0.1MF-M 250V | CA67 | 0800015R | CAPELECTRO. 10UF-M 16V(CZ52/CY56/57) |
| <u>∧</u> C902 | 0248593F | CAPCERAMIC 4700PF-Z 250V | CA68 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| <u>∧</u> С903 | 0248593F | CAPCERAMIC 4700PF-Z 250V | CA69 | 0800003R | CAPELECTRO. 1.0UF-M 50V(CZ52/CY56/57) |
| <u>∧</u> C904 | 0244505F | CAPACITOR-CERAMIC 0.0022MF-K 500V | CA70 | 0880057R | CAPPOLYESTER 0.1UF-KEB 50V(CZ52/CY56/57) |
| <u>∧</u> C905 | 253891 | CAPELECTRO. 470UF 200V HR | CA71 | 0880057R | CAPPOLYESTER 0.1UF-KEB 50V(CZ52/CY56/57) |
| C906 C907 | 0253957F 0800064R | CAPELECTRO. 22UF-M 160V CAPELECTRO. 330UF-M 6.3V | CA72 CAZ1 | 0890087R 0890084R | CAPCERAMIC 1000PF-K 50V(CZ52/CY56/57) CAPCERAMIC 560PF-K 50V(CZ52/CY57/CY56) |
| C908 | 0800004H 0800003R | CAPELECTRO. 33001-W 0.3V | CAZ1 | 0800015R | CAPELECTRO. 10UF-M 16V(CZ52/CY57/CY56) |
| C909 | 0800001R | CAPELECTRO, 0.47UF-M 50V | CE20 | 0800015R | CAPELECTRO. 10UF-M 16V(CZ52/CY56/57) |
| ∆ C90A | 0248593F | CAPCERAMIC 4700PF-Z 250V | CE21 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) |
| C90C | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V | CE22 | 0800015R | CAPELECTRO. 10UF-M 16V(CZ52/CY56/57) |
| C90E | 0880031R | CAPPOLY.1000PF-K 50V | CE25 | 0244105R | CAPCERAMIC 2200PF-K 50V TAPE(CZ52/CY56/57) |
| C90F | 0880044R | CAP. FLECTRO 45015 2001 | CMF1 | 0800015R | CAP-ELECTRO. 10UF-M 16V(CZ52) |
| C90H C90K | 0284891F 0880066F | CAPELECTRO 150UF 200V CAPPOLYESTER 0.47 50V | CMF2 CMF3 | 0800049R 0284623R | CAP-ELECTRO 111E SME(RR) 50V(C752) |
| C910 | 0880044R | CAPPOLYESTER 0.47 50V CAPPOLYESTER 0.01UF-KEB 50V | CY01 | 0284623R 0890083R | CAPELECTRO. 1UF-SME(BP) 50V(CZ52) CAPCERAMIC 470PF-K 50V(CZ52) |
| C911 | 0890081R | CAR-CERAMIC 330PF 50V | CY02 | 0890083R | CAPCERAMIC 470PF-K 50V(CZ52) |
| C912 | 0258192F | CAPELECTRO 2200UF 25V | CY03 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52) |
| C913 | 0890087R | CAPCERAMIC 1000PF-K 50V | CY04 | 0800015R | CAPELECTRO. 10UF-M 16V(CZ52) |
| C914 | 0800024R | CAPELECTRO. 22UF-M 25V | CY05 | 0276717R | CAPPOLY. 0.1UF-J 50V (TF TYP E)(CZ52) |
| C915 | 0800015R | CAPELECTRO. 10UF-M 16V | CY06 | 0890076R | CAP.CERAMIC 150PF-K 50V(CZ52) |
| C917 | 0245612F | CAPCERAMIC 4700PF-KF B 1KV | CY07 CY08 | 0800049R | CAP. POLYESTER 0 01 LE KER FOLY(CZ52) |
| C919 C91C | 0245608F 0890082R | CAPCERAMIC 1000PF-K B 1000V CAPCERAMIC 390PF-K 50V | 0100 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52) |
| C91H | 0800061N | CAPELECTRO. 220UF-M 35V | | | DIODES |
| C91K | 0276717R | CAPPOLY. 0.1UF-J 50V (TF TYP E) | | | |
| <u>∧</u> C920 | 279697 | CAPACITOR-POLYESTER FILM 0.1MF-M 250V | D001 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC |
| <u> </u> | 248593 | CAPCERAMIC 4700PF-Z 250V | D002 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC(CY55) |
| CA01 | 0800047R | CAPELECTRO. 100UF-M 6.3V(CZ52) | D003 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC |
| CA01 | 0890086R | CAPCERAMIC 820PF-K 50V(CZ52/CY56/57) | D004 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC |
| CA02 | 0880044R | CAP. POLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) | D005 D006 | 2339833M 2398611M | ZENER HZS5A3 TA SI 200MA DIODE 1SS254 TAPE SI 4NSEC |
| CA03 CA04 | 0880044R 0800049R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) CAPELECTRO. 100UF-M 16V(CZ52/CY56/57) | D006 D007 | 2398611M 2398611M | DIODE 155254 TAPE SI 4NSEC |
| CA04 CA05 | 0880049R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) | D009 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC |
| CA07 | 0880044R | CAPPOLYESTER 0.01UF-KEB 50V(CZ52/CY56/57) | D00A | 2398611M | DIODE 1SS254 TAPE SI 4NSEC |

| SYMBOL | PART | PART | SYMBOL | PART | PART |
|---------------|----------------------|------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| NO. | NO. | DESCRIPTION | NO. | NO. | DESCRIPTION |
| | | | D742 | 2339851M | ZENER HZS7A1 TAPE (SI.200MA) |
| D00C | 2398611M | DIODE 1SS254 TAPE SI 4NSEC DIODE 1SS254 TAPE SI 4NSEC | D743 | 2339834M | ZENER HZS5(B1) TAPE |
| D00E | 2398611M | DIODE 188254 TAPE SI 4NSEC | D744 | 2339882M | ZENER DIODE HZS-12(A2) TAPE |
| D00H | 2398611M 2398611M | DIODE 188254 TAPE SI 4NSEC | D745 | 2339491M | DIODE AM01Z (200 TAPE) 1A(CZ52) |
| D00K D010 | 2398611M | DIODE 183254 TAPE SI 4NSEC | D750 | 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC |
| D010 D011 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D781 | 2339822M | ZENER HZS4A2 TA |
| D011 | 2339889M | ZENER HZS12 (C3) 0.005A(CZ52/CY57/CY56) | D801 | 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC |
| D012 | 2339889M | ZENER HZS12 (C3) 0.005A(CZ52/CY57/CY56) | D802 | 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC |
| D013 | 2339889M | ZENER HZS12 (C3) 0.005A(CZ52/CY57/CY56) | D803 | 2331781M | ZENER HZ-4 TAPE (A1) SI 500MW |
| D016 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D810 | 2339601M | ZENER HZS-2 TAPE (ALL) SI 400MW |
| D017 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC(31V/32V) | D811 | 2339601M | ZENER HZS-2 TAPE (ALL) SI 400MW |
| D020 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D812 | 2339601M | ZENER HZS-2 TAPE (ALL) SI 400MW |
| D022 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D821 | 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC |
| D023 | 2339862M | ZENER HZS-9A2 TA | D822 | 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC |
| D024 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D823 | 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC |
| D101 | 2339971M | ZENER HZS33-1 TA | <u> </u> | 2342062 | DIODE D3SBA60-4103 |
| D301 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D902 | 2339491M | DIODE AM01Z (200 TAPE) 1A |
| D302 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D903 | 2339491M | DIODE AM01Z (200 TAPE) 1A |
| D303 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D904 | 2331991M | DIODE R02A (V) SI 1.2A 6 DIODE AS017 (200 TAPE) SI 0.6A |
| D304 | 2339889M | ZENER HZS12 (C3) 0.005A | D905 | 2339481M | Brobe ricore (coo ii ii z) |
| D305 | 2339862M | ZENER HZS-9A2 TA | D906 | 2339876M | ZENER HZS11B3 TA DIODE AS01Z (200 TAPE) SI 0.6A |
| D306 | 2339862M | ZENER HZS-9A2 TA | D907 | 2339481M | (|
| D307 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D908 | 2339481M | D.O |
| D308 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D909 | 2339812M | ZENER HZS3A2 TA (SI.200MA) DIODE 1SS254 TAPE (35V) SI 4NSEC |
| D390 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | <u>∧</u> D90A | 2398611M | |
| D391 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D90C | 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC ZENER HZS5B2 TAPE |
| D401 | 2339812M | ZENER HZS3A2 TA (SI.200MA) | D90E | 2339835M 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC |
| D402 | 2339812M | ZENER HZS3A2 TA (SI.200MA) | D90F D90H | 2339835M | ZENER HZS5B2 TAPE |
| D403 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D90H D90K | 2339833M | ZENER HZS5A3 TA SI 200MA |
| D404 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D90K D910 | 2338944 | DIODE FML-G12S (F) (200V) SI 0.04US |
| D405 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC DIODE 1SS254 TAPE SI 4NSEC | D910 D912 | 2339481M | DIODE AS01Z (200 TAPE) SI 0.6A |
| D406 | 2398611M | | D912 D913 | 2339835M | ZENER HZS5B2 TAPE |
| D407 | 2398611M | | D913 | 2339491M | DIODE AM01Z (200 TAPE) 1A |
| D410 | 2339889M | ZENER HZS12 (C3) 0.005A(CZ52) ZENER HZS12 (C3) 0.005A | D915 | 2339848M | ZENER HZS-6-C2 TAPE |
| D501 | 2339889M | ZENER HZS12 (C3) | D916 | 2339848M | ZENER HZS-6-C2 TAPE |
| D502 | 2339889M | ZENER HZS12 (C3) 0.005A | D917 | 2339491M | DIODE AM01Z (200 TAPE) 1A |
| D503 | 2339889M | DIODE 1SS254 TAPE SI 4NSEC | D920 | 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC |
| D601 | 2398611M 2398611M | DIODE 1SS254 TAPE SI 4NSEC | D921 | 2339191M | ZENER HZS20-1L TAPE |
| D602 D605 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | DA01 | 2398611M | DIODE 1SS254 TAPE(35V)SI 4NSEC(CZ52/CY56/57) |
| D603 D620 | 2339862M | ZENER HZS-9A2 TA | DA02 | 2339867M | ZENER HZS-9-C1 TAPE (SI.200MA)(CZ52/CY56/57) |
| D620 D621 | 2339491M | DIODE AM01Z (200 TAPE) 1A | DA03 | 2339867M | ZENER HZS-9-C1 TAPE (SI.200MA)(CZ52/CY56/57) |
| D622 | 2339491M | DIODE AM01Z (200 TAPE) 1A | DA04 | 2339867M | ZENER HZS-9-C1 TAPE (SI.200MA)(CZ52/CY56/57) |
| D623 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | DA05 | 2398611M | DIODE 1SS254 TAPE(35V)SI 4NSEC(CZ52/CY56/57) |
| D626 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | DA06 | 2339867M | ZENER HZS-9-C1 TAPE (SI.200MA)(CZ52/CY56/57) |
| D627 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | DA07 | 2398611M | DIODE 1SS254 TAPE(35V)SI 4NSEC(CZ52/CY56/57) |
| D628 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | DA08 | 2398611M | DIODE 1SS254 TAPE(35V)SI 4NSEC(CZ52/CY56/57) |
| D701 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | DA09 | 2398611M | DIODE 1SS254 TAPE(35V)SI 4NSEC(CZ52/CY56/57) |
| D703 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | DA10 | 2398611M | DIODE 1SS254 TAPE(35V)SI 4NSEC(CZ52/CY56/57) |
| D704 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | DA11 | 2398611M | DIODE 1SS254 TAPE(35V)SI 4NSEC(CZ52/CY56/57) |
| D705 | CH00031M | DIODE AU02V1(280V) | DE20 | 2398611M | DIODE 1SS254 TAPE(35V)SI 4NSEC(CZ52/CY56/57) |
| <u> </u> | 2339242M | ZENER HZS33L2 TAPE | ZD0501 | 2339885M | ZENER HZS12B2 TA(CZ52) |
| D708 | 2339223M | ZENER HZS27 (3L) | ZD0502 | 2339885M | ZENER HZS12B2 TA(CZ52) |
| D712 | 2339251M | ZENER HZS36-1L TAPE | ZD3801 | 2331154M | ZENER HZ-12 (A1-3 B1-3.TA) SI 200MA(CZ52) ZENER HZ-12 (A1-3 B1-3.TA) SI 200MA(CZ52) |
| D713 | 2339491M | DIODE AM01Z (200 TAPE) 1A | ZD3802 | 2331154M | ZENER HZ-12 (A1-3 B1-3.TA) SI 200MA(CZ52) |
| D714 | 2398611M | DIODE 1SS254 TAPE SI 4NSEC | 1 | | DEMOTE CONTROL C |
| D715 | 2338944 | DIODE FML-G12S (F) (200V) SI 0.04US(CZ52) | | | REMOTE CONTROLS |
| <u> </u> | 2348511 | DIODE RS3FS | E004 | 111.00004 | REMOTE CONTROL UNIT CLU-411U 31CX5B |
| <u> </u> | 2348511 | DIODE RS3FS(35V) | E301 | HL00231 | REMOTE CONTROL UNIT CLU-412UI 31CX6B |
| <u>∧</u> D718 | 2336612M | DIODE RUSAM TA | E301 | HL00221 | REMOTE CONTROL UNIT CLU-415UI 32CX7B |
| D719 | 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC | E301 | HL00224 | REMOTE CONTROL UNIT CLU-415UI 35TX20B |
| D71A | 2339481M | DIODE AS01Z (200 TAPE) SI 0.6A | E301 | HL00224 | REMOTE CONTROL ONLY OLD THOU SO THE |
| D720 | 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC | | A | DEFLECTION YOKE |
| D721 | 2335991M | ZENER HZ-T33 (02 TP) DIODE 1SS254 TAPE (35V) SI 4NSEC | | U-COURSE OF THE COURSE OF THE | are noted building a state of a large Children |
| D722 | 2398611M | , | E601 | BY00511 | DEFLECTION YOKE 31V MURATA (31V/32V) |
| D72A | 2331809M | | 777 F00 I | 1 2,00011 | |
| D72H | 2331812M | ZENER DIODE HZ-7 TAPE (A2) SI 500MW ZENER HZS7A1 TAPE (SI.200MA) | | | FUSES |
| D73A | 2339851M | DIODE AS01Z (200 TAPE) SI 0.6A | | | |
| <u>∧</u> D73C | 2339481M 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC | F601 | 2722382 | FUS-DC0.75A-J/UL(L) |
| D73F | CH00031M | DIODE 155254 TAPE (55V) 51 41/5E0 | <u>∧</u> F901 | 2722358 | FUSE AC05A |
| ■ D73H | MICOUNTAIN | 1 DIODE 7002 VI(200 V) | | 1 | |
| D73H D740 | 2398611M | DIODE 1SS254 TAPE (35V) SI 4NSEC | F902 | 2722353 | FUSE AC1.6A |

| SYMBOL | PART | PART | SYMBOL | PART | PART PART | | | | |
|-----------------------|----------------------|----------------------------------------------------------------------|----------------|----------------------|---------------------------------------------------------------------|--|--|--|--|
| NO. | NO. | DESCRIPTION | NO. | NO. | DESCRIPTION | | | | |
| | | SPARK GAPS | L305 | 2122947M | COIL-AXIAL 22UHKM BELTING(31V/32V) | | | | |
| l | | | L308 | 2122951M | COIL-AXIAL 39UHKM BELTING | | | | |
| G851 | 2340037 | SPARK GAP | L309 | 2122956M | COIL-AXIAL 100UHKM BELTING | | | | |
| G854 | 2340039 | SPARK GAP(CZ52) | L311 | 2122253M | COIL-AXIAL 100UH-K | | | | |
| G855 | 2340039 | SPARK GAP(CZ52) | L601 | 2122956M | COIL-AXIAL 100UHKM BELTING | | | | |
| G856 | 2340039 | SPARK GAP(CZ52) | L602 | 2122099 | FIXED INDUCTOR-FL-11Z 180K(CZ52) | | | | |
| <u>∧</u> G901 | 2340741 | SURGE PROTECTOR DSP-301N-S00B | L700 | 2122938M | COIL-AXIAL 4.7UHKM BELTING | | | | |
| | | FILTERS | L701 L702 | 2122652M | FERRITE CORE | | | | |
| l | | TETETIO | L702 L703 | 2124513 2771893 | COIL-H.LINEARITY A3LXU2 FERITE BEADS CORE (005) | | | | |
| H301 | 2151041 | DELAY LINE AND BAND PASS FILTER | £703 ∴ £704 | 2275381 | COIL-CHOKING 1000UH | | | | |
| <u> </u> | 2793313 | CP-EXN-G131P365L | L705 | 2122248M | COIL-AXIAL 47UH-K | | | | |
| HA02 | 2791754 | FX-DSS306B101M(CZ52/CY56/57) | L705 | 2122253M | COIL-AXIAL 100UH-K (CZ52) | | | | |
| HA03 | 2791754 | FX-DSS306B101M(CZ52/CY56/57) | L709 | 2122094 | FIXED INDUCTOR 22UF-K(31V/32V) | | | | |
| HA07 | 2791759 | FX-DSS306B102M(CZ52/CY56/57) | L709 | 2122095 | FIXED INDUCTOR FL-11Z 27UH-K(CZ52) | | | | |
| HA08 | 2791759 | FX-DSS306B102M(CZ52/CY56/57) | <u> </u> | 2122244M | COIL-AXIAL 22UH-K | | | | |
| HA09 | 2791762 | FX-DSS306FZ103M(CZ52/CY56/57) | L711 | 2122652M | FERRITE CORE | | | | |
| HA10 | 2791762 | FX-DSS306FZ103M(CZ52/CY56/57) | L71A | 2122652M | FERRITE CORE | | | | |
| | | INTEGRATED CIRCUITS | L850 | 2120482 | FILTER COIL 100 UHK | | | | |
| | | INTEGRATED CIRCUITS | L851 L852 | 2122945M | COIL-AXIAL 15UHKM BELTING | | | | |
| 1001 | CP00202 | DIGITAL MONOLITHIC IC (LC864156A-5830) | L852 L853 | 2122945M 2122945M | COIL-AXIAL 15UHKM BELTING COIL-AXIAL 15UHKM BELTING | | | | |
| 1002 | 2381111 | IC M6M80021L | L854 | 2122945M | COIL-AXIAL 150HKM BELTING | | | | |
| 1003 | 2917391 | IC MSC11371RS | L855 | 2122956M | COIL-AXIAL 1000HKM BELTING | | | | |
| 1004 | 2020461 | IC AN78L05 | L856 | 2122956M | COIL-AXIAL 100UHKM BELTING | | | | |
| 105 | CP01771 | ANALOG MONOLITHIC IC (M52684AP)(CZ52/CY56/57) | L861 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | | | | |
| <u>∧</u> 1201 | 2004133 | IC LA7674 | L862 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | | | | |
| 1301 | 2003981 | IC BA7604N | L863 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | | | | |
| 1302 | CZ00081 | ANALOG MONOLITHIC IC (LA7952) | L864 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | | | | |
| 1401 1402 | 2004592 | IC AN5817K | L865 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | | | | |
| 1402 <u>∧</u> 1403 | CK00121 2004341 | SURROUND IC UPC1892 IC AN7178 | L866 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | | | | |
| 1404 | 2366301 | IC UPD4052BC | L867 L868 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH | | | | |
| <u> </u> | 2003541 | IC LA7838 | L869 | 2123468M 2123468M | FERRITE BEADS CORE LEAD 0.8MH | | | | |
| 1621 | 2362601 | IC HA17458PS | L871 | 2123468M | FERRITE BEADS CORE LEAD 0.8MH FERRITE BEADS CORE LEAD 0.8MH | | | | |
| 1701 | 2003423 | IC UPC7893AHF ICL | <u> </u> | 2272293 | LINE FILTER-LL | | | | |
| <u>∧</u> 1720 | 2000521 | IC PC713F6 | <u>∧</u> L902 | 2121676 | LINE FILTER | | | | |
| <u> </u> | 2912177 | IC STR30130 | L905 | 2122652M | FERRITE CORE | | | | |
| <u>∧</u> 1902 | 2000521 | IC PC713F6 | <u>∧</u> L905 | 2229022 | DEGAUSSING COIL (31V/32V) | | | | |
| <u>↑</u> 1903 | 2000465 | IC PS2501-1 (KC/LC) | L906 | 2122652M | FERRITE CORE | | | | |
| <u>∧</u> 1904 IA01 | 2000465 2020341 | IC PS2501-1 (KC/LC) | L907 | 2122652M | FERRITE CORE | | | | |
| IA01 | CP00841 | IC MM1111XS(CZ52/CY56/57) ANALOG MONOLITHIC IC M52694P(CZ52/CY56/57) | L908 | 2122652M | FERRITE CORE | | | | |
| IA03 | CP00831 | DIGITAL MONOLITHIC IC M65607SP(CZ52/CY56/57) | L909 L90A | 2122099 2122263M | FIXED INDUCTOR-FL-11Z 180K | | | | |
| IA04 | CP00851 | DIG MONOLITHIC IC (HM53461-10)(CZ52/CY56/57) | L920 | 2122653M | LA AXIAL COIL 561 FERRITE CORE 1.65UH TAPE | | | | |
| IA05 | 2366361 | IC.AN7805(CZ52/CY56/57) | L922 | 2125724 | COIL-CHOKE 47UH-K | | | | |
| IY01 | 2381211 | IC M51494L(CZ52) | <u> </u> | 2229023 | DEGAUSSING COIL (35V) 35TX20B | | | | |
| | | | LA01 | 2122253M | COIL-AXIAL 100UH-K(CZ52) | | | | |
| | 1 | INDUCTORS/COILS | LA01 | 2123781R | FILTER COIL 101K(CZ52/CY56/57) | | | | |
| 1.004 | | | LA02 | 2123781R | FILTER COIL 101K(CZ52/CY56/57) | | | | |
| L001 | 2122253M | COIL-AXIAL 100UH-K | LA03 | 2122253M | COIL-AXIAL 100UH-K(CZ52/CY56/57) | | | | |
| L003 L004 | 2122942M 2122942M | COIL-AXIAL 8.2UHKM BELTING | LA04 | 2123781R | FILTER COIL 101K(CZ52/CY56/57) | | | | |
| L004 | 2122942M | COIL-AXIAL 8.2UHKM BELTING COIL-AXIAL 8.2UHKM BELTING | LA07 | 2122934M | COIL-AXIAL 2.2UH-M(CZ52/CY56/57) | | | | |
| L006 | 2122942M | COIL-AXIAL 8.2UHKM BELTING | LA09 LMFC | 2122934M | COIL-AXIAL 2.2UH-M(CZ52/CY56/57) | | | | |
| L008 | 2120482 | FILTER COIL 100 UHK(CZ52/CY57/CY56) | LY01 | BZ00411 2122253M | COIL M.F.COIL 35TX20B COIL-AXIAL 100UH-K(CZ52) | | | | |
| L010 | BH00101 | OSC COIL | LIOI | 2122233101 | COIL-AXIAL TOUUH-K(CZ52) | | | | |
| L101 | 2122253M | COIL-AXIAL 100UH-K | | | INSTRUCTION MANUAL | | | | |
| L102 | 2122253M | COIL-AXIAL 100UH-K | | | | | | | |
| L103 | 2122927M | COIL-AXIAL 0.68UH-M | N201 | QR02651 | INSTRUCTION MANUAL A3LXU(II) | | | | |
| L201 | 2122253M | COIL-AXIAL 100UH-K | | | ` ' | | | | |
| L202 | 2145982 | COIL-DISCRI 4.7MHZ | | | TRANSISTORS | | | | |
| L203 | 2143672 | IF COIL WITH 7 CASE 1:3 INCORE | |] | | | | | |
| L204 L205 | 2143678 2142445 | IF COIL WITH 7 CASE 10T | Q001 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ(CY55) | | | | |
| L205 L206 | 2142445 2122949M | COIL-AFC COIL-AXIAL 33UHKM BELTING | Q002 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | | | | |
| L200 | 2122949W 2122944M | COIL-AXIAL 33UHKM BELTING COIL-AXIAL 12UHKM BELTING | Q003 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | | | | |
| L208 | 2122952M | COIL-AXIAL 120HKM BELTING | Q004 Q005 | 2320637M 2320663M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | | | | |
| L301 | 2122253M | COIL-AXIAL 100UH-K | Q005 Q006 | 2320596M | TRS. 2SC1213A (C) TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | | | | |
| L302 | 2145891 | 1H DELAY LINE | Q008 Q008 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | | | | |
| L303 | 2122939M | COIL-AXIAL 5.6UHKM BELTING | Q009 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | | | | |
| L304 | 2122943M | COIL-AXIAL 10UHKM BELTING | Q101 | 2320144M | TRS. 2SC1906 (TAPE) SI 750MHZ | | | | |
| L305 | 2122943M | COIL-AXIAL 10UHKM BELTING(CZ52) | Q201 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | | | | |

| SYMBOL | PART | PART | SYMBOL | PART | PART | | | | |
|---------------|----------------------|---------------------------------------------------------------------------|--------------|----------------------|-----------------------------------------------------------------------------------------------|--|--|--|--|
| NO. | NO. | DESCRIPTION | NO. | NO. | DESCRIPTION | | | | |
| Q202 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | Q908 | 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ | | | | |
| Q203 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | Q909 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | | | | |
| Q301 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | Q90A | 2320681M | TRS. 2SA673A TAPE (B/C) SI 80MHZ | | | | |
| Q302 Q305 | 2320596M 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | Q90C Q90H | 2326631 | THYRISTOR CR5AS-8(B-A1) TRS. 2SC1213A (C) | | | | |
| Q305 Q306 | 2320596W | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | Q90H QA01 | 2320663M 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ(CZ52/CY56/57) | | | | |
| Q308 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | QA02 | 2320596M | TRS. 2SC458 (C TZ/D TZ) 31 230MHZ(CZ52/CY56/57) | | | | |
| Q309 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | QA03 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ)SI 80MHZ(CZ52/CY56/57) | | | | |
| Q30A | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | QA04 | 2320596M | TRS. 2SC458 (C TZ/D TZ)SI 230MHZ(CZ52/CY56/57) | | | | |
| Q30C | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | QA05 | 2320596M | TRS. 2SC458 (C TZ/D TZ)SI 230MHZ(CZ52/CY56/57) | | | | |
| Q30E | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | QA08 | 2320596M | TRS. 2SC458 (C TZ/D TZ)SI 230MHZ(CZ52/CY56/57) | | | | |
| Q30H Q30K | 2320596M 2320637M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | QA09 QA10 | 2320596M 2320596M | TRS. 2SC458 (C TZ/D TZ)SI 230MHZ(CZ52/CY56/57) TRS. 2SC458 (C TZ/D TZ)SI 230MHZ(CZ52/CY56/57) | | | | |
| Q310 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | QA11 | 2320596M | TRS. 2SC438 (C TZ/D TZ)SI 230MHZ(CZ52/CY56/57) | | | | |
| Q312 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | QA16 | 2320596M | TRS. 2SC458 (C TZ/D TZ)SI 230MHZ(CZ52/CY56/57) | | | | |
| Q314 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | QA17 | 2320596M | TRS. 2SC458 (C TZ/D TZ)SI 230MHZ(CZ52/CY56/57) | | | | |
| Q315 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | QA18 | 2320637M | TRS.2SA673(C26TZ/D26TZ)SI 80MHZ(CZ52/CY56/57) | | | | |
| Q3801 | 2320598M | TRS. 2SC458 (B TZ/C TZ/D TZ)(CZ52) | QA19 | 2320596M | TRS. 2SC458 (C TZ/D TZ)SI 230MHZ(CZ52/CY56/57) | | | | |
| Q3802 | 2320598M | TRS. 2SC458 (B TZ/C TZ/D TZ)(CZ52) | QA20 | 2320596M | TRS. 2SC458 (C TZ/D TZ)SI 230MHZ(CZ52/CY56/57) | | | | |
| Q401 Q402 | 2320637M 2320596M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | QMF1 QY01 | 2320647M 2320596M | TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ4(CZ52) | | | | |
| Q402 Q403 | 2320596M 2320637M | TRS. 2SA673 (C 12/D 12) SI 230WHZ | QY02 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ(CZ52) TRS. 2SC458 (C TZ/D TZ) SI 230MHZ(CZ52) | | | | |
| Q404 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | 3(102 | 2020J30IVI | 1110. 200400 (0 1210 12) 01 2001VII 12(0202) | | | | |
| Q405 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | | | RESISTORS | | | | |
| Q406 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | | | | | | | |
| Q407 | 2320647M | TRS. 2SC1213 (C 21TZ/D 21TZ)SI 80MHZ4 | R001 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q50C | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R002 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q601 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R003 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q602 Q603 | 2320596M 2320637M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R004 R005 | 0700041M 0700041M | RESCARBON FLM 1/16W 1.0K-JB RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q650 | 2320598M | TRS. 2SC458 (B TZ/C TZ/D TZ) | R006 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q701 | 2323523M | TRS. 2SD789 D TAPE | R007 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| <u>∧</u> Q702 | 2315272 | TRS. 2SC4589-03 | R008 | 0700049M | RESCARBON FLM 1/16W 4.7K-JB | | | | |
| <u> </u> | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R009 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| <u> </u> | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R00A | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q709 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R00C | 0700067M | RESCARBON FLM 1/16W 100K-JB | | | | |
| Q70A Q70H | 2323431 2315411 | TRS. 2SC1983 TRS. 2SD2012 | R00E R00H | 0700051M 0700067M | RESCARBON FLM 1/16W 5.6K-JB RESCARBON FLM 1/16W 100K-JB | | | | |
| Q710 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R00K | 0700067M | RESCARBON FLM 1/16W 160K-3B | | | | |
| Q750 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R010 | 0700045M | RESCARBON FLM 1/16W 2.2K-JB | | | | |
| Q751 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R011 | 0700049M | RESCARBON FLM 1/16W 4.7K-JB | | | | |
| Q752 | 2323434 | TRS. 2SC1983 (O/Y) | R012 | 0700042M | RESCARBON FLM 1/16W 1.2K-JB(31V/32V) | | | | |
| Q752 | 2320663M | TRS. 2SC1213A (C) | R013 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB(31V/32V) | | | | |
| Q753 Q761 | 2321321M 2320596M | TRS. 2SA844 (D TZ/E TZ) SI 200MHZ TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R014 | 0700043M | RESCARBON FLM 1/16W 1.5K-JB(31V/32V) | | | | |
| Q801 | 2320596W 2320637M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R015 R016 | 0700046M 0700049M | RESCARBON FLM 1/16W 2.7K-JB(31V/32V) RESCARBON FLM 1/16W 4.7K-JB(31V/32V) | | | | |
| Q802 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R017 | 0700043M | RESCARBON FLM 1/16W 220-JB | | | | |
| Q803 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R019 | 0700047M | RESCARBON FLM 1/16W 3.3K-JB | | | | |
| Q804 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R01A | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q805 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R01C | 0700054M | RESCARBON FLM 1/16W 10K-JB | | | | |
| Q806 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R01E | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q807 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R01H | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q808 Q809 | 2320596M 2320637M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R01K R020 | 0700041M 0700041M | RESCARBON FLM 1/16W 1.0K-JB RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q810 | 2320637M 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R020 | 0700041M 0700036M | RESCARBON FLM 1/16W 1.0K-JB RESCARBON FLM 1/16W 470-JB(31V/32V) | | | | |
| Q811 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R021 | 0700036M | RESCARBON FLM 1/16W 680-JB(CZ52) | | | | |
| Q812 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R022 | 0700058M | RESCARBON FLM 1/16W 22K-JB | | | | |
| Q813 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R023 | 0700048M | RESCARBON FLM 1/16W 3.9K-JB | | | | |
| Q814 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R024 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q815 | 2320637M | TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ | R025 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| Q851 Q852 | 2320591M 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ TRS. 2SC458 (B TZ/C TZ) SI 230MHZ | R026 R027 | 0700052M 0700046M | RESCARBON FLM 1/16W 6.8K-JB | | | | |
| Q853 | 2320591M 2320591M | TRS. 2SC458 (B TZ/C TZ) SI 230MHZ | R027 | 0700046M 0700047M | RESCARBON FLM 1/16W 2.7K-JB(CZ52) RESCARBON FLM 1/16W 3.3K-JB(31V/32V) | | | | |
| Q854 | 2312371 | TRANSISTOR 2SC3942(RL) | R028 | 0700047M 0700043M | RESCARBON FLM 1/16W 3.3K-3B(31V/32V) | | | | |
| Q855 | 2312371 | TRANSISTOR 2SC3942(RL) | R029 | 0700052M | RESCARBON FLM 1/16W 6.8K-JB | | | | |
| Q856 | 2312371 | TRANSISTOR 2SC3942(RL) | R02A | 0700056M | RESCARBON FLM 1/16W 15K-JB | | | | |
| Q857 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R02C | 0700059M | RESCARBON FLM 1/16W 27K-JB | | | | |
| Q864 | 2320596M | TRS. 2SC458 (C TZ/D TZ) SI 230MHZ | R02E | 0700056M | RESCARBON FLM 1/16W 15K-JB | | | | |
| Q901 Q904 | 2327883M 2326216 | TRS. 2SA1207 (S/T) SI 150MHZ TRS. 2SC3116 (S/T) | R02H | 0700058M | RESCARBON FLM 1/16W 22K-JB | | | | |
| ∆ Q905 | 2328451 | TRS. FN651 | R02K R030 | 0700059M 0700056M | RESCARBON FLM 1/16W 27K-JB RESCARBON FLM 1/16W 15K-JB | | | | |
| Q906 | 2320631M | TRS. 2SA673 (B 26TZ/C 26TZ)SI 80MHZ | R031 | 0700056M | RESCARBON FLM 1/16W 15K-JB | | | | |
| Q907 | 2323526M | TRS. 2SD789 D/E TAPE | R032 | 0700046M | RESCARBON FLM 1/16W 2.7K-JB(CZ52) | | | | |

| SYMBOL PART PART SYMBOL PART PAR | OVUIDOL | | | | | | | | | | |
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| Page | | | | | | | | | | | |
| PROC. | | i . | | | 1 | | | | | | |
| Fig. | | i i | | | 1 | | | | | | |
| POSS | R034 | 0700054M | | | 1 | | | | | | |
| 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 | | | RESCARBON FLM 1/16W 6.8K-JB(CZ52) | R085 | 1 | | | | | | |
| PRINCE COMMAN RESCARBOON FLM MINEW LOCK-ID CYSSECVYSSTY PRINCE COMMON FLM PRINCE PRINC | B C | • | | 1 | 0700031M | | | | | | |
| PASS DISSISSION RES_CARRON FLM MANY INC. BIS CASCON FLM MANY INC. BIS CARRON FLM MANY INC. | 1 | | | • | 1 | | | | | | |
| PRISS 07004HM RESCARBON PLA 11/80 10.04.0 1000 | | 1 | | | 1 | | | | | | |
| PASSA POSOSHIM RES-CARBON RIM 1/18W 1 (N.K.) ROSS OTDOCATION | 1 | | RESCARBON FLM 1/16W 1 0K-JB(CY55/CY57RP) | 1 | 1 | | | | | | |
| PROS. | | 1 | | 1 | | | | | | | |
| PROSE O700041M RESCARBON PILM 1109V 10K-MB ROS-CARBON PILM 1109V 10K-MB ROS-CAR | R03A | 0700041M | | | 1 | | | | | | |
| FOOD-1411 FEST CARBON FEM MYNN 10K-UB FOOD-1411 FEST CARBON FEM MYNN 10K-UB FEST CARBO | 8 | | RESCARBON FLM 1/16W 1.0K-JB | R095 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | | |
| PORCO 0700041M RES. CARBOON FLM 176W 16.4/B (259/CY95/57) ROS 0700041M RES. CARBOON FLM 176W 16.4/B (259/CY95/57) ROS 0700041M RES. CARBOON FLM 176W 16.4/B ROS 0700041M RES. CARBOON FLM 176W 26.4/B ROS 0700041M ROS 0700041M RES. CARBOON FLM 176W 26.4/B ROS 0700041M RO | | l . | | | 1 | RESCARBON FLM 1/16W 10K-JB | | | | | |
| PASS O700041M PES_CARBON FLM YINW 10K-UB PASS PA | | 3 | | | 1 | | | | | | |
| BASE 1970041M RES_CARBON FLM T/REV 10K-UB ROS 7070041M RES_CARBON FLM T/REV 10K-UB | | 1 | l ' | | 1 | | | | | | |
| PB462 0700041M RESCARBON FLM 1/16W 10K-UB RB0C 0700041M RESCARBON FLM 1/16W 12K-UB RB0K 0700041M RESCARBON FLM 1/16W 12K-UB RB102 0700041M | | 1 | 1 ' ' | 5 | 1 | | | | | | |
| P0944 0700055M RES_CARBON FLM 1/16W 12K-UB P004 0700055M RES_CARBON FLM 1/16W 12K-UB P004 0700055M RES_CARBON FLM 1/16W 12K-UB P004 0700055M RES_CARBON FLM 1/16W 12K-UB P104 0700055M RES_CARBON FLM 1/16W 12K-UB P104 0700054M RES_CARBON FLM 1/16W 12K-UB P105 0700054M RES_CARBO | | i | l ' | 1 | ł. | | | | | | |
| Fig. | R043 | III. | | 1 | 1 | | | | | | |
| P0-65 0700067M RESCARBON FLM 1/16W 262-UB P102 | R044 | 0700055M | | B . | 1 | | | | | | |
| Product | | 1 | | R0L1 | 0700054M | | | | | | |
| PAGE | | i . | | R . | 0700031M | | | | | | |
| P094 0700054M P65CARBON FLM 1/6W 264.glg (17/22V) P105 0700024M P65CARBON FLM 1/6W 1/6K-IB P107 0700024M P65CARBON FLM 1/6W 1/6K-IB P109 | | 1 | | 1 | \$ | | | | | | |
| PAGA 070004M RESCARBON FLM 1/16W 22K-UB(01/10%) PAGE | | | | 1 | 1 | | | | | | |
| RBA-CARBON FLM 1/15W 27K-JB CZ52 RBA-CARBON FLM 1/15W 10K-JB | | 1 | | I . | | | | | | | |
| FROM 0700041M RESCARBON FLM 1/16W 1.0K-JB R109 0700045M RESCARBON FLM 1/16W 1.0K-JB R109 0700045M RESCARBON FLM 1/16W 2.8K-JB(3/17/22V) R109 0700045M RESCARBON FLM 1/16W 2.8K-JB(3/17/22V) R109 0700045M RESCARBON FLM 1/16W 2.8K-JB(3/17/22V) R109 0700045M RESCARBON FLM 1/16W 1.0K-JB R100 0700045M RESCARBON FLM 1/16W 2.8K-JB(3/17/22V) R109 0700045M RESCARBON FLM 1/16W 1.0K-JB R10 0700045M RESCARBON FLM 1/16W 1.0K-JB R10 0700045M RESCARBON FLM 1/16W 1.0K-JB R10 0700045M RESCARBON FLM 1/16W 1.0K-JB R201 | 1 | 1 | | 1 | 1 | · · · · · · · · · · · · · · · · · · · | | | | | |
| R04H 0700041M RESCARBON FLM 1/16W 2.0K-J.B(37022V) R109 0700045M RESCARBON FLM 1/16W 3.0K-J.B(37022V) R109 0700045M RESCARBON FLM 1/16W 1.0K-J.B R101 0700045M RESCARBON FLM 1/16W 1.0K-J.B R201 0700045M RESCARBON FLM 1/16W 1.0K-J.B R201 0700045M RESCARBON FLM 1/16W 3.0K-J.B(37032V) R202 0700045M RESCARBON FLM 1/16W 1.0K-J.B R203 0700055M RESCARBON FLM 1/16W 1.0K-J.B R203 0700045M RESCARBON FLM 1/16W 1.0K-J.B R205 0700045M RESCARBON FLM 1/16W 1.0K-J.B R205 0700045M RESCARBON FLM 1/16W 1.0K-J.B R205 0700045M RESCARBON FLM 1/16W 1.0K-J.B R206 | | 1 | | | ł | | | | | | |
| R04H 0700045M RES-CARBON FLM 1/16W 2.2K-JB(C752) R04H 0700045M RES-CARBON FLM 1/16W 3.9K-JB(C752) R109 0700045M RES-CARBON FLM 1/16W 1.0K-JB R110 0700045M RES-CARBON FLM 1/16W 1.0K-JB R110 0700045M RES-CARBON FLM 1/16W 1.0K-JB R110 0700045M RES-CARBON FLM 1/16W 1.0K-JB R201 0700045M RES-CARBON FLM 1/16W 1.0K-JB R201 0700045M RES-CARBON FLM 1/16W 1.0K-JB R201 0700045M RES-CARBON FLM 1/16W 1.0K-JB R202 0700055M RES-CARBON FLM 1/16W 1.0K-JB R203 0700055M RES-CARBON FLM 1/16W 1.0K-JB R205 0700045M RES-CARBON FLM 1/16W 1.0K-JB R207 0700045M RES-CARBON FLM 1/16W 1.0K-JB R208 0700045M RES-C | R04E | 1 | | | | | | | | | |
| R04H 0700048M RESCARBON FLM 1/16W 10K-JB R110 0700048M RESCARBON FLM 1/16W 10K-JB R110 0700048M RESCARBON FLM 1/16W 10K-JB R110 0700048M RESCARBON FLM 1/16W 10K-JB R201 0700048M RESCARBON FLM 1/16W 10K-JB R202 150287 RESCARBON FLM 1/16W 10K-JB R204 0700044M RESCARBON FLM 1/16W 10K-JB R208 0700054M RESCARBON FLM 1/16W 10K-JB R209 0700054M RESCARBON | R04H | 0700045M | | 1 | 1 | | | | | | |
| R850 0700041M 0700041M R9516 RES_CARBON FLM 116W 10K-JB RES_CARBON FLM | | 1 | | R109 | 0700048M | | | | | | |
| R651 0700041M RES_CARBON FLM 1/16W 1,0K.JB R201 0700059M RES_CARBON FLM 1/16W 1,0K.JB RES_CARBON FLM 1/16W 1,0 | | 1 | | | 0700045M | RESCARBON FLM 1/16W 2.2K-JB(CZ52) | | | | | |
| R6516 0700041M RES_CARBON FLM 1/16W 1.0K.JB(CZ52) R202 150287 RES_CARBON FLM 1/16W 1.6K.JB(CZ52) R203 0700054M RES_CARBON FLM 1/16W 16K.JB(CY56/CY57BP) R204 0700064M RES_CARBON FLM 1/16W 10K.JB (CY56/CY57BP) R205 0700064M RES_CARBON FLM 1/16W 10K.JB (CY56/CY57BP) R205 0700064M RES_CARBON FLM 1/16W 10K.JB (CY56/CY57BP) R206 0700064M RES_CARBON FLM 1/16W 10K.JB (CY56/CY56/CY56/DP) R207 0700064M RES_CARBON FLM 1/16W 10K.JB (CY56/CY56/CY56/DP) R208 0700051M RES_CARBON FLM 1/16W 10K.JB (CY56/CY56/CY56/CY56/CY56/CY56/CY56/CY56/ | 1 | 1 | | | | | | | | | |
| R6517 0700043M RESCARBON FLM 1/16W 1.5K.JB C(5252) R203 0700057M RESCARBON FLM 1/16W 8.2K.JB C(756/CY57BP) R205 0700054M RESCARBON FLM 1/16W 10K.JB C(756/CY57BP) RESCARBON FLM 1/16W 10K.JB RESCARBON FLM | • | 1 | | | | | | | | | |
| R053 0700063M RESCARBON FLM 1/16W 8_RK_JBICYSS/CYS7BP) R054 0700043M RESCARBON FLM 1/16W 10K_JBICYSS/CYS7BP) R055 0700054M RESCARBON FLM 1/16W 10K_JBICYSS/CYS7BP) R206 0700027M RESCARBON FLM 1/16W 10K_JB R207 0700041M RESCARBON FLM 1/16W 10K_JB R208 0700033M RESCARBON FLM 1/16W 10K_JB R208 0700033M RESCARBON FLM 1/16W 10K_JB R209 0700033M RESCARBON FLM 1/16W 10K_JB R209 0700033M RESCARBON FLM 1/16W 10K_JB R209 0700033M RESCARBON FLM 1/16W 10K_JB R200 0700033M RESCARBON FLM 1/16W 10K_JB R200 0700054M RESCARBON FLM 1/16W 10K_JB R200 0700041M RESCARBON FLM 1/16W 10K_JB R210 0700041M RESCARBON FLM 1/16W 10K_ | • | | | t | 1 | | | | | | |
| R654 0700054M RES_CARBON FLM 1/16W 10K-JB (CYS/CYS78P) R205 0700027M RES_CARBON FLM 1/16W 10K-JB R207 0700041M RES_CARBON FLM 1/16W 10K-JB RES_CARBON FLM 1/16 | | 1 | | | 1 | | | | | | |
| R655 0700054M RES_CARBON FLM 1/16W 10K-JB R206 0700027M RES_CARBON FLM 1/16W 10K-JB R207 0700041M RES_CARBON FLM 1/16W 10K-JB R208 070003M RES_CARBON FLM 1/16W 10K-JB | R054 | 0700054M | | | 1 : | | | | | | |
| R056 0700054M RESCARBON FLM 1/16W 10K.JB R207 0700041M RESCARBON FLM 1/16W 1.0K.JB R208 0700031M RESCARBON FLM 1/16W 1.0K.JB R209 0700031M RESCARBON FLM 1/16W 1.0K.JB R209 0700051M RESCARBON FLM 1/16W 1.0K.JB R209 0700051M RESCARBON FLM 1/16W 1.0K.JB R200 0700053M RESCARBON FLM 1/16W 1.0K.JB R200 0700053M RESCARBON FLM 1/16W 1.0K.JB R211 0700053M RESCARBON FLM 1/16W 1.0K.JB R211 0700053M RESCARBON FLM 1/16W 22K.JB R212 0700027M RESCARBON FLM 1/16W 1.0K.JB R200 0700053M RESCARBON FLM 1/16W 22K.JB R214 0700033M RESCARBON FLM 1/16W 22K.JB R214 0700033M RESCARBON FLM 1/16W 1.0K.JB R214 0700033M RESCARBON FLM 1/16W 22K.JB R215 0700027M RESCARBON FLM 1/16W 1.0K.JB R200 0700056M RESCARBON FLM 1/16W 22K.JB R216 0700027M RESCARBON FLM 1/16W 1.0K.JB R200 0700056M RESCARBON FLM 1/16W 22K.JB R200 0700056M RESCARBON FLM 1/16W 22K.JB R200 0700056M RESCARBON FLM 1/16W 1.0K.JB R200 0700056M RESCARBON FLM 1/16W 1.0K.JB R300 0700056M RESCARBON FLM 1/16W 1.0K.JB R | R055 | 0700054M | | | | | | | | | |
| R058 0700041M RESCARBON FLM 1/16W 1.0K-JB R200 0700051M RESCARBON FLM 1/16W 5.6K-JB R200 0700052M RESCARBON FLM 1/16W 1.0K-JB R200 0700041M RESCARBON FLM 1/16W 1.0K-JB R200 0700054M RESCARBON FLM 1/16W 1.0K-JB R200 0700054M RESCARBON FLM 1/16W 1.0K-JB R200 0700054M RESCARBON FLM 1/16W 1.0K-JB R211 0700055M RESCARBON FLM 1/16W 22K-JB R212 0700027M RESCARBON FLM 1/16W 1.0K-JB R214 0700033M RESCARBON FLM 1/16W 22K-JB R215 0700027M RESCARBON FLM 1/16W 1.0K-JB R216 0700055M RESCARBON FLM 1/16W 22K-JB R216 0700027M RESCARBON FLM 1/16W 1.0K-JB R216 0700025M RESCARBON FLM 1/16W 1.0K-JB R217 0700025M RESCARBON FLM 1/16W 22K-JB R217 0700025M RESCARBON FLM 1/16W 470-JB R222 0700027M RESCARBON FLM 1/16W 470-JB R222 0700025M RESCARBON FLM 1/16W 470-JB R222 0700025M RESCARBON FLM 1/16W 1.0K-JB R302 0700045M RESCARBON FLM 1/16W 1.0K-JB R302 0700045M RESCARBON FLM 1/16W 1.0K-JB R303 0700045M RESCARBON FLM 1/16W 1.0K-JB R305 0700035M RESCARBON FLM 1/16W 1.0K-JB R305 0700035M RESCARBON FLM 1/16W 1.0K-JB R305 0700035M RESCARBON FLM 1/16W 1.0K-JB R306 0700035M RESCARBON FLM 1/16W 1.0K-JB R307 0700035M RESCARBON FLM 1/16W 1.0K-JB R307 0700035M RESCARBON FLM 1/16W 270-JB R307 0700035M RESCARBON FLM 1/16W 30-JB R25/CARBON FLM 1/16W 30-JB R25/CARBON FLM 1/16W 1.0K-JB R307 0700035M RESCARBON FLM 1/16W 30-JB R25/CARBON FLM 1/16W 1.0K-JB R307 0700035M RESCARBON FLM 1/16W 30-JB R25/CARBON FLM 1/16W 1.0K-JB R307 0700035M RESCARBON FLM 1/16W 30-JB R25/CARBON | | 1 | | R207 | | | | | | | |
| RESCARBON FLM 1/16W 1.0K-JB R20C 0100127M RESCARBON FLM 1/8W 20K-JB R20C 0700054M RESCARBON FLM 1/16W 6.8K-JB R20E 0700054M RESCARBON FLM 1/16W 1.0K-JB R20H 0100117M RESCARBON FLM 1/16W 1.0K-JB R20F 0700054M RESCARBON FLM 1/16W 1.0K-JB R20H 0100117M RESCARBON FLM 1/16W 1.0K-JB R20F 0700054M RESCARBON FLM 1/16W 1.0K-JB R20H 0100117M RESCARBON FLM 1/16W 1.0K-JB R20F 0700054M RESCARBON FLM 1/16W 1.0K-JB R210 0700054M RESCARBON FLM 1/16W 1.0K-JB R210 0700054M RESCARBON FLM 1/16W 1.0K-JB R211 0100055M RESCARBON FLM 1/16W 22K-JB R212 0700027M RESCARBON FLM 1/16W 22K-JB R212 0700027M RESCARBON FLM 1/16W 22K-JB R212 0700027M RESCARBON FLM 1/16W 1.0K-JB R214 0700033M RESCARBON FLM 1/16W 1.0K-JB R215 0700027M RESCARBON FLM 1/16W 22K-JB R215 0700027M RESCARBON FLM 1/16W 1.0K-JB R215 0700037M RESCARBON FLM 1/16W 1.0K-J | • | | RESCARBON FLM 1/16W 1.0K-JB | | l i | | | | | | |
| R059 0700052M RESCARBON FLM 1/16W 6.8K-JB R20E 0700041M RESCARBON FLM 1/16W 10K-JB R20E 0700041M RESCARBON FLM 1/16W 10K-JB R20E 0700041M RESCARBON FLM 1/16W 10K-JB R20K 0700041M RESCARBON FLM 1/16W 10K-JB R21 0700027M RESCARBON FLM 1/16W 10K-JB RESCARBON FLM 1/16W | HU58 | 0700041M | DEC CARRON FLM 4/40M 4 OK IR | | 1 | | | | | | |
| R659 0700052M RESCARBON FLM 1/16W 10K-JB R20E 0700041M RESCARBON FLM 1/16W 10K-JB R20H 0700041M RESCARBON FLM 1/16W 10K-JB R210 0700036M RESCARBON FLM 1/16W 10K-JB R210 0700036M RESCARBON FLM 1/16W 20K-JB R211 0100055M RESCARBON FLM 1/16W 20K-JB R212 0700027M RESCARBON FLM 1/16W 309-JB R212 0700027M RESCARBON FLM 1/16W 20K-JB R213 0700041M RESCARBON FLM 1/16W 309-JB RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16 | 1 | | RESCARBON FLW 1/16W 1.UK-JB | | i I | · · · · · · · · · · · · · · · · · · · | | | | | |
| R05A 0700054M RESCARBON FLM 1/16W 10K-JB R20H 0100117M RESCARBON FLM 1/8W 150K-JB R20K 0700041M RESCARBON FLM 1/16W 1.0K-JB R20K 0700041M RESCARBON FLM 1/16W 1.0K-JB R20K 0700041M RESCARBON FLM 1/16W 1.0K-JB R210 0700036M RESCARBON FLM 1/16W 1.0K-JB R210 0700036M RESCARBON FLM 1/16W 10K-JB R210 0700058M RESCARBON FLM 1/16W 10K-JB R211 0100055M RESCARBON FLM 1/16W 10K-JB R212 0700027M RESCARBON FLM 1/16W 10K-JB RESCARBON FLM 1/16 | B059 | 0700052M | BES -CARRON FLM 1/16W 6 8K- IR | | 1 1 | | | | | | |
| R05C 0700041M RESCARBON FLM 1/16W 1.0K-JB R20K 0700041M RESCARBON FLM 1/16W 10K-JB R21D 0700054M RESCARBON FLM 1/16W 10K-JB R211 07000055M RESCARBON FLM 1/16W 10K-JB R211 07000055M RESCARBON FLM 1/16W 22K-JB R211 0700005M RESCARBON FLM 1/16W 22K-JB R212 07000027M RESCARBON FLM 1/16W 100-JB R213 07000041M RESCARBON FLM 1/16W 100-JB R214 0700003M RESCARBON FLM 1/16W 100-JB R213 07000041M RESCARBON FLM 1/16W 100-JB R214 0700003M RESCARBON FLM 1/16W 100-JB R214 07000027M RESCARBON FLM 1/16W 100-JB R216 0700027M RESCARBON FLM 1/16W 100-JB R217 0700003M RESCARBON FLM 1/16W 100-JB R217 0700003M RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 100-JB R217 0700003M RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 100-JB R217 0700003M RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 100-JB R217 0700003M RESCARBON FLM 1/16W 10W-JB R217 0700003M RESCARBON FLM 1/16W 10W-JB R217 0700003M RESCARBON FLM 1/16W 10W-JB <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | | | | | |
| R05E R05H 0700054M 0700054M RESCARBON FLM 1/16W 10K-JB R210 R05K 0700056M 0700058M RESCARBON FLM 1/16W 10K-JB R211 R05K 0700055M 0700057M RESCARBON FLM 1/16W 22K-JB R212 R05C 0700027M RESCARBON FLM 1/16W 39W-JB RESCARBON FLM 1/16W 22K-JB R212 R0700027M 0700027M RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 27O-JB RESCARBON FLM 1/16W 33K-JB R213 R0700027M 0700033M RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 400-JB RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 400-JB RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 300-JB(CZ52) R066 0700041M RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 300-JB(CZ52) R000 RESCARBON FLM 1/16W 300-JB(CZ52) R067 0700041M RESCARBON FLM 1/16W 100-JB RESCARB | R05C | 0700041M | | | 1 | | | | | | |
| R05H 0700054M RESCARBON FLM 1/16W 10K-JB R211 0100055M RESCARBON FLM 1/16W 29K-JB R212 0700027M RESCARBON FLM 1/16W 100-JB R060 0700058M RESCARBON FLM 1/16W 22K-JB R213 0700041M RESCARBON FLM 1/16W 100-JB R213 0700041M RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 16W 22K-JB R214 0700033M RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 16W 14W 1K-JB(CZ52/CY56/57) R216 0700027M RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 270-JB RESCARBON FLM 1/16W 270-JB RESCARBON FLM 1/16W 26X-JB RESCARBON FLM 1/16W 26X-JB RESCARBON FLM 1/16W 25X-JB RESCARBON FLM 1/16W 10X-JB RESCARBON FLM 1/16W 10X-JB </td <td>R05E</td> <td>0700054M</td> <td>RESCARBON FLM 1/16W 10K-JB</td> <td>R210</td> <td>, ,</td> <td></td> | R05E | 0700054M | RESCARBON FLM 1/16W 10K-JB | R210 | , , | | | | | | |
| R060 0700058M RESCARBON FLM 1/16W 22K-JB R213 0700041M RESCARBON FLM 1/16W 270-JB R214 0700033M RESCARBON FLM 1/16W 270-JB R216 0700027M RESCARBON FLM 1/16W 270-JB R216 0700027M RESCARBON FLM 1/16W 270-JB R216 0700027M RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 470-JB RESCARBON FLM 1/16W 470-JB RESCARBON FLM 1/16W 470-JB RESCARBON FLM 1/16W 470-JB RESCARBON FLM 1/16W 1.0K-JB R300 0700034M RESCARBON FLM 1/16W 470-JB RESCARBON FLM 1/16W 30-JB (CZ52) R300 0700034M RESCARBON FLM 1/16W 30-JB (CZ | | | | | 0100055M | RESCARBON FLM 1/8W 390-JB | | | | | |
| R061 0700061M RESCARBON FLM 1/16W 33K-JB R214 0700033M RESCARBON FLM 1/16W 270-JB R062 0100065M RESCARBON FLM 1/8W 1K-JB(CZ52/CY56/57) R216 0700027M RESCARBON FLM 1/16W 100-JB R063 0100065M RESCARBON FLM 1/8W 1K-JB(CZ52/CY56/57) R217 0700027M RESCARBON FLM 1/16W 100-JB R064 0100065M RESCARBON FLM 1/8W 1K-JB(CZ52/CY56/57) R221 0700033M RESCARBON FLM 1/16W 100-JB R065 0700045M RESCARBON FLM 1/16W 1.0K-JB (CZ52/CY56/57) R221 0700037M RESCARBON FLM 1/16W 50-JB(CZ52/CY56/57) R067 0700036M RESCARBON FLM 1/16W 2.2K-JB (CY55/CY57BP) R302 0100127M RESCARBON FLM 1/16W 390K-JB(CZ52/CY56/57) R068 0700041M RESCARBON FLM 1/16W 1.0K-JB R302 0100133M RESCARBON FLM 1/16W 390K-JB(CZ52/CY56/57) R06C 0700041M RESCARBON FLM 1/16W 1.0K-JB R305 0700036M RESCARBON FLM 1/16W 470-JB R06E 0700049M RESCARBON FLM 1/16W 4.7K-JB R306 0700034M RESCARBON FLM 1/16W 2.2K-JB R06H 0700049M < | 1 | | | | i . | | | | | | |
| R062 0100065M RESCARBON FLM 1/8W 1K-JB(CZ52/CY56/57) R216 0700027M RESCARBON FLM 1/16W 100-JB R063 0100065M RESCARBON FLM 1/8W 1K-JB(CZ52/CY56/57) R217 0700027M RESCARBON FLM 1/16W 100-JB R064 0100065M RESCARBON FLM 1/16W 16W-JS RESCARBON FLM 1/16W 10V-JB R221 0700037M RESCARBON FLM 1/16W 470-JB(CZ52/CY56/57) R065 0700045M RESCARBON FLM 1/16W 2.2K-JB(CY55/CY56/57) R222 0700037M RESCARBON FLM 1/16W 470-JB(CZ52/CY56/57) R067 0700036M RESCARBON FLM 1/16W 1.0K-JB R302 0100127M RESCARBON FLM 1/16W 390-JB(CZ52) R068 0700041M RESCARBON FLM 1/16W 1.0K-JB R303 0700056M RESCARBON FLM 1/16W 1.0K-JB R305 0700034M RESCARBON FLM 1/16W 2.2K-JB R306 0700034M RESCARBON FLM 1/16W 2.2K-JB R306 0700034M RESCARBON FLM 1/16W 2.2K-JB R306 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R06K 0700049M RESCARBON FLM 1/16W 4.7K-JB R307 0700034M RESCARBON FLM 1/16W 30-JB(S11/32V) RESCARBON FLM 1/16W 30-JB(S11/32V) R07 | 2 | | | | | | | | | | |
| R063 0100065M R064 RESCARBON FLM 1/8W 1K-JB(CZ52/CY56/57) R217 0700027M RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 470-JB(CZ52/CY56/57) R221 0700036M RESCARBON FLM 1/16W 470-JB(CZ52/CY56/57) R221 0700037M RESCARBON FLM 1/16W 470-JB(CZ52/CY56/57) R221 0700037M RESCARBON FLM 1/16W 470-JB RSD-CARBON FLM 1/16W 560-JB(CZ52/CY56/57) R222 0700037M RESCARBON FLM 1/16W 560-JB(CZ52/CY56/57) RESCARBON FLM 1/16W 560-JB RSD-CARBON FLM 1/16W 560-JB R85CARBON FLM 1/16W 15K-JB R85CARBON FLM 1/16W 470-JB R85CARBON FLM 1/16W 470-JB R85CARBON FLM 1/16W 270-JB(31V/32V) R85CARBON FLM 1/16W 330-JB(CZ52) R8306 0700034M R85CARBON FLM 1/16W 330-JB(CZ52) R85CARBON FLM 1/16W 330-JB(CZ52) | | 1 1 | | | | · · | | | | | |
| R064 0100065M RESCARBON FLM 1/8W 1K-JB(CZ52/CY56/57) R221 0700036M RESCARBON FLM 1/16W 470-JB (CZ52/CY56/57) R065 0700045M RESCARBON FLM 1/16W 2.2K-JB(CY55/CY57BP) R222 0700037M RESCARBON FLM 1/16W 470-JB (CZ52/CY56/57) R067 0700036M RESCARBON FLM 1/16W 470-JB R302 0100133M RESCARBON FLM 1/8W 390K-JB(31V/32V) R068 0700041M RESCARBON FLM 1/16W 470-JB R303 0700056M RESCARBON FLM 1/16W 390K-JB(CZ52) R069 0700041M RESCARBON FLM 1/16W 1.0K-JB R305 0700038M RESCARBON FLM 1/16W 470-JB R06C 0700045M RESCARBON FLM 1/16W 5.6K-JB R306 0700033M RESCARBON FLM 1/16W 470-JB R06F 0700045M RESCARBON FLM 1/16W 4.7K-JB R306 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R06H 0700047M RESCARBON FLM 1/16W 1.0K-JB R307 0700035M RESCARBON FLM 1/16W 390-JB(31V/32V) R071 0700049M RESCARBON FLM 1/16W 1.0K-JB R308 0700035M RESCARBON FLM 1/16W 390-JB(31V/32V) R072 0700047M RESCARBO | | 1 1 | | | | | | | | | |
| R065 0700045M RESCARBON FLM 1/16W 2.2KJB(CY55/CY57BP) R2Z2 0700037M RESCARBON FLM 1/16W 560-JB(CZ52/CY56/57) ♠ R066 0119514S RESISTOR-METAL OXIDE FILM RN 1/4P 10-J R302 0100127M RESCARBON FLM 1/16W 390K-JB(31V/32V) R067 0700049M RESCARBON FLM 1/16W 470-JB R302 0100133M RESCARBON FLM 1/8W 890K-JB(CZ52) R069 0700041M RESCARBON FLM 1/16W 1.0K-JB R303 0700056M RESCARBON FLM 1/16W 15K-JB R060 0700051M RESCARBON FLM 1/16W 5.6K-JB R306 0700034M RESCARBON FLM 1/16W 470-JB R06E 0700049M RESCARBON FLM 1/16W 2.2K-JB R306 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R06F 0700049M RESCARBON FLM 1/16W 4.7K-JB R307 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R070 0700049M RESCARBON FLM 1/16W 1.0K-JB R307 0700038M RESCARBON FLM 1/16W 30-JB(CZ52) R071 0700049M RESCARBON FLM 1/16W 4.7K-JB R308 0700037M RESCARBON FLM 1/16W 560-JB R072 0700047M RESCARBON FLM 1/16W 3.3K-JB <td>1</td> <td>1 1</td> <td></td> <td></td> <td></td> <td></td> | 1 | 1 1 | | | | | | | | | |
| ▲ R066 0119514S RESISTOR-METAL OXIDE FILM RN 1/4P 10-J R302 0100127M RESCARBON FLM 1/16W 390K-JB(31V/32V) R067 0700036M RESCARBON FLM 1/16W 470-JB R302 0100133M RESCARBON FLM 1/16W 680K-JB(CZ52) R068 0700041M RESCARBON FLM 1/16W 1.0K-JB R303 0700056M RESCARBON FLM 1/16W 15K-JB R069 0700051M RESCARBON FLM 1/16W 5.6K-JB R306 0700033M RESCARBON FLM 1/16W 270-JB(31V/32V) R06E 0700041M RESCARBON FLM 1/16W 5.6K-JB R306 0700034M RESCARBON FLM 1/16W 270-JB(31V/32V) R06F 0700049M RESCARBON FLM 1/16W 4.7K-JB R306 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R06H 0700041M RESCARBON FLM 1/16W 1.0K-JB R307 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R070 0700049M RESCARBON FLM 1/16W 1.0K-JB R308 0700034M RESCARBON FLM 1/16W 3.0K-JB R071 0700054M RESCARBON FLM 1/16W 4.7K-JB R309 0700037M RESCARBON FLM 1/16W 10K-JB R072 0700047M RESCARBON FLM 1/16W 3.3K-JB < | R065 | 0700045M | | | : : | | | | | | |
| R068 0700041M RESCARBON FLM 1/16W 1.0K-JB R303 0700056M RESCARBON FLM 1/16W 15K-JB R069 0700041M RESCARBON FLM 1/16W 1.0K-JB R305 0700036M RESCARBON FLM 1/16W 470-JB R06C 0700051M RESCARBON FLM 1/16W 5.6K-JB R306 0700033M RESCARBON FLM 1/16W 270-JB(31V/32V) R06E 0700045M RESCARBON FLM 1/16W 2.2K-JB R306 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R06F 0700049M RESCARBON FLM 1/16W 1.0K-JB R307 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R06K 0700067M RESCARBON FLM 1/16W 1.0K-JB R307 0700035M RESCARBON FLM 1/16W 390-JB(31V/32V) R070 0700049M RESCARBON FLM 1/16W 1.0K-JB R308 0700038M RESCARBON FLM 1/16W 560-JB R072 0700049M RESCARBON FLM 1/16W 3.3K-JB R30E 0700034M RESCARBON FLM 1/16W 10K-JB R072 0700049M RESCARBON FLM 1/16W 3.3K-JB R30H 0700038M RESCARBON FLM 1/16W 10K-JB R073 0700049M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R310 | | 1 | | R302 | 0100127M | | | | | | |
| R069 0700041M RESCARBON FLM 1/16W 1.0K-JB R305 0700036M RESCARBON FLM 1/16W 470-JB R06C 0700051M RESCARBON FLM 1/16W 5.6K-JB R306 0700033M RESCARBON FLM 1/16W 270-JB(31V/32V) R06E 0700045M RESCARBON FLM 1/16W 2.2K-JB R306 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R06F 0700041M RESCARBON FLM 1/16W 1.0K-JB R307 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R06K 0700067M RESCARBON FLM 1/16W 1.0K-JB R308 0700038M RESCARBON FLM 1/16W 680-JB R070 0700049M RESCARBON FLM 1/16W 4.7K-JB R309 0700037M RESCARBON FLM 1/16W 560-JB R072 0700049M RESCARBON FLM 1/16W 3.3K-JB R30E 0700054M RESCARBON FLM 1/16W 10K-JB R072 0700049M RESCARBON FLM 1/16W 3.3K-JB R30H 0700038M RESCARBON FLM 1/16W 4.7K-JB R073 0700049M RESCARBON FLM 1/16W 3.3K-JB(CZ52) R30K 0700054M RESCARBON FLM 1/16W 4.7K-JB R073 0700049M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R310 | | | | | | RESCARBON FLM 1/8W 680K-JB(CZ52) | | | | | |
| R06C 0700051M RESCARBON FLM 1/16W 5.6K-JB R306 0700033M RESCARBON FLM 1/16W 270-JB(31V/32V) R06E 0700045M RESCARBON FLM 1/16W 2.2K-JB R306 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R06F 0700049M RESCARBON FLM 1/16W 4.7K-JB R307 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R06H 0700049M RESCARBON FLM 1/16W 1.0K-JB R307 0700035M RESCARBON FLM 1/16W 390-JB(31V/32V) R070 0700049M RESCARBON FLM 1/16W 10K-JB R308 0700038M RESCARBON FLM 1/16W 680-JB R071 0700054M RESCARBON FLM 1/16W 10K-JB R30E 0700037M RESCARBON FLM 1/16W 10K-JB R072 0700049M RESCARBON FLM 1/16W 3.3K-JB R30H 0700034M RESCARBON FLM 1/16W 10K-JB R072 0700049M RESCARBON FLM 1/16W 3.3K-JB(CZ52) R30K 0700063M RESCARBON FLM 1/16W 680-JB R073 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R310 0700054M RESCARBON FLM 1/16W 10K-JB R073 0700049M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R312 | 1 | 1 | | | 1 | | | | | | |
| R06E | R : | | | | | | | | | | |
| R06F 0700049M RESCARBON FLM 1/16W 4.7K-JB R307 0700034M RESCARBON FLM 1/16W 330-JB(CZ52) R06H 0700041M RESCARBON FLM 1/16W 1.0K-JB R307 0700035M RESCARBON FLM 1/16W 390-JB(GZ52) R06K 0700067M RESCARBON FLM 1/16W 10K-JB R308 0700038M RESCARBON FLM 1/16W 680-JB R070 0700049M RESCARBON FLM 1/16W 4.7K-JB R309 0700037M RESCARBON FLM 1/16W 560-JB R071 0700054M RESCARBON FLM 1/16W 10K-JB R30E 0700054M RESCARBON FLM 1/16W 10K-JB R072 0700047M RESCARBON FLM 1/16W 3.3K-JB R30H 0700038M RESCARBON FLM 1/16W 680-JB R072 0700047M RESCARBON FLM 1/16W 4.7K-JB(CZ52) R30K 0700063M RESCARBON FLM 1/16W 47K-JB R073 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R310 0700033M RESCARBON FLM 1/16W 10K-JB R074 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R312 0100033M RESCARBON FLM 1/16W 560-JB | 1 | | | | | | | | | | |
| R06H | | 1 1 | | | | | | | | | |
| R06K 0700067M RESCARBON FLM 1/16W 100K-JB R308 0700038M RESCARBON FLM 1/16W 680-JB R070 0700049M RESCARBON FLM 1/16W 4.7K-JB R309 0700037M RESCARBON FLM 1/16W 560-JB R071 0700054M RESCARBON FLM 1/16W 10K-JB R30E 0700054M RESCARBON FLM 1/16W 10K-JB R072 0700047M RESCARBON FLM 1/16W 3.3K-JB R30H 0700038M RESCARBON FLM 1/16W 680-JB R072 0700049M RESCARBON FLM 1/16W 4.7K-JB(CZ52) R30K 0700063M RESCARBON FLM 1/16W 47K-JB R073 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R310 0700054M RESCARBON FLM 1/16W 10K-JB R074 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R312 0100033M RESCARBON FLM 1/16W 560-JB R074 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R316 0700037M RESCARBON FLM 1/16W 560-JB | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | |
| R070 0700049M RESCARBON FLM 1/16W 4.7K-JB R309 0700037M RESCARBON FLM 1/16W 560-JB R071 0700054M RESCARBON FLM 1/16W 10K-JB R30E 0700054M RESCARBON FLM 1/16W 10K-JB R072 0700047M RESCARBON FLM 1/16W 3.3K-JB R30H 0700038M RESCARBON FLM 1/16W 680-JB R072 0700049M RESCARBON FLM 1/16W 4.7K-JB(CZ52) R30K 0700063M RESCARBON FLM 1/16W 47K-JB R073 0700049M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R310 0700054M RESCARBON FLM 1/16W 10K-JB R074 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R316 0700037M RESCARBON FLM 1/16W 560-JB | | | | | | | | | | | |
| R071 0700054M RESCARBON FLM 1/16W 10K-JB R30E 0700054M RESCARBON FLM 1/16W 10K-JB R072 0700047M RESCARBON FLM 1/16W 3.3K-JB R30H 0700038M RESCARBON FLM 1/16W 680-JB R072 0700049M RESCARBON FLM 1/16W 4.7K-JB(CZ52) R30K 0700063M RESCARBON FLM 1/16W 47K-JB R073 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R310 0700054M RESCARBON FLM 1/16W 10K-JB R074 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R316 0700037M RESCARBON FLM 1/16W 560-JB | 8 | l l | | | | | | | | | |
| R072 0700049M RESCARBON FLM 1/16W 4.7K-JB(CZ52) R30K 0700063M RESCARBON FLM 1/16W 47K-JB R073 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R310 0700054M RESCARBON FLM 1/16W 10K-JB R073 0700049M RESCARBON FLM 1/16W 4.7K-JB(CZ52) R312 0100033M RESCARBON FLM 1/8W 47-JB R074 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R316 0700037M RESCARBON FLM 1/16W 560-JB | | I . | | | | RESCARBON FLM 1/16W 10K-JB | | | | | |
| R073 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R310 0700054M RESCARBON FLM 1/16W 10K-JB R073 0700049M RESCARBON FLM 1/16W 4.7K-JB(CZ52) R312 0100033M RESCARBON FLM 1/8W 47-JB R074 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R316 0700037M RESCARBON FLM 1/16W 560-JB | | 1 | | | 3 | | | | | | |
| R073 0700049M RESCARBON FLM 1/16W 4.7K-JB(CZ52) R312 0100033M RESCARBON FLM 1/8W 47-JB R074 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R316 0700037M RESCARBON FLM 1/16W 560-JB | | 1 | | | 1 | | | | | | |
| R074 0700047M RESCARBON FLM 1/16W 3.3K-JB(31V/32V) R316 0700037M RESCARBON FLM 1/16W 560-JB | 3 | | | | | | | | | | |
| The state of the s | | | | | I | | | | | | |
| | | 1 | | R317 | 0700037M 0700029M | RESCARBON FLM 1/16W 360-3B | | | | | |

| SYMBOL | PART | PART | SYMBOL | PART | PART | | | | |
|----------------|----------------------|------------------------------------------------------------------------|--------------|----------------------|------------------------------------------------------------|--|--|--|--|
| NO. | NO. | DESCRIPTION | NO. | NO. | DESCRIPTION | | | | |
| R318 | 0187060M | RESCARBON FLM 1/16W 620-JB | R3811 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB(CZ52) | | | | |
| R31C | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | R3812 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB(CZ52) | | | | |
| R31E | 0700063M | RESCARBON FLM 1/16W 47K-JB | R3813 | 0100041M | RESCARBON FLM 1/8W 100-JB(CZ52) | | | | |
| R31H | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | R390 | 0700035M | RESCARBON FLM 1/16W 390-JB | | | | |
| R31K | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | R391 | 0100133M | RESCARBON FLM 1/8W 680K-JB | | | | |
| R320 | 0700063M | RESCARBON FLM 1/16W 47K-JB | R392 | 0700032M | RESCARBON FLM 1/16W 220-JB | | | | |
| R321 | 0700037M | RESCARBON FLM 1/16W 560-JB | R393 | 0100049M | RESCARBON FLM 1/8W 220-JB | | | | |
| R322 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | R395 | 0700027M | RESCARBON FLM 1/16W 100-JB | | | | |
| R323 | 150282 | RESVARIABLE RV06 500-B | R396 | 0700042M | RESCARBON FLM 1/16W 1.2K-JB | | | | |
| R324 | 0700038M | RESCARBON FLM 1/16W 680-JB | R397 | 0700051M | RESCARBON FLM 1/16W 5.6K-JB | | | | |
| R325 | 0700045M | RESCARBON FLM 1/16W 2.2K-JB | R39A | 0700054M | RESCARBON FLM 1/16W 10K-JB | | | | |
| R326 R327 | 0700032M 0700033M | RESCARBON FLM 1/16W 220-JB RESCARBON FLM 1/16W 270-JB | R401 | 0700041M 0700034M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R328 | 0700033M | RESCARBON FLM 1/16W 270-JB | R402 R403 | 0700034M 0700041M | RESCARBON FLM 1/16W 330-JB | | | | |
| R329 | 0700033W | RESCARBON FLM 1/16W 270-3B | R403 | 0700041W | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R32C | 0700033M | RESCARBON FLM 1/16W 560-JB | R405 | 0700002W | RESCARBON FLM 1/16W 39K-JB RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R32E | 150283 | RESVARIABLE RV6 1K-B CARBON FL | R406 | 0700041W | RESCARBON FLM 1/16W 10K-JB | | | | |
| R32H | 0700039M | RESCARBON FLM 1/16W 820-JB | R407 | 0700034M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R32K | 0700037M | RESCARBON FLM 1/16W 560-JB | R408 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R330 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | R409 | 0700034M | RESCARBON FLM 1/16W 330-JB | | | | |
| R331 | 0700027M | RESCARBON FLM 1/16W 100-JB | R40A | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R332 | 0700038M | RESCARBON FLM 1/16W 680-JB | R40C | 0700054M | RESCARBON FLM 1/16W 10K-JB | | | | |
| R333 | 150282 | RESVARIABLE RV06 500-B | R40E | 0700063M | RESCARBON FLM 1/16W 47K-JB | | | | |
| R334 | 0100055M | RESCARBON FLM 1/8W 390-JB | R40H | 0700062M | RESCARBON FLM 1/16W 39K-JB | | | | |
| R335 | 0700032M | RESCARBON FLM 1/16W 220-JB | R40K | 0700063M | RESCARBON FLM 1/16W 47K-JB | | | | |
| R336 | 0700054M | RES,-CARBON FLM 1/16W 10K-JB | R410 ' | 0700063M | RESCARBON FLM 1/16W 47K-JB | | | | |
| R337 | 0700058M | RESCARBON FLM 1/16W 22K-JB | R411 | 0700063M | RESCARBON FLM 1/16W 47K-JB | | | | |
| R338 | 0700036M | RESCARBON FLM 1/16W 470-JB | R412 | 0700063M | RESCARBON FLM 1/16W 47K-JB | | | | |
| R339 | 0187060M | RESCARBON FLM 1/16W 620-JB | R413 | 0700063M | RESCARBON FLM 1/16W 47K-JB | | | | |
| R33A | 0700035M | RESCARBON FLM 1/16W 390-JB | R415 | 0187082M | RESCARBON FLM 1/16W 5.1K-JB | | | | |
| R33C R33E | 0700037M 0700057M | RESCARBON FLM 1/16W 560-JB | R416 | 0100116M | RESCARBON FLM 1/8W 130K-JB | | | | |
| R33H | 0700037M | RESCARBON FLM 1/16W 18K-JB RESCARBON FLM 1/16W 220-JB | R417 | 0100117M | RESCARBON FLM 1/8W 150K-JB | | | | |
| R340 | 150287 | RESVARIABLE RV06 10K-B | R418 R419 | 150160 0700036M | RESVARIABLE RV06 100K-B 0.1W | | | | |
| R341 | 0700052M | RESCARBON FLM 1/16W 6.8K-JB | R41A | 0700036M | RESCARBON FLM 1/16W 470-JB RESCARBON FLM 1/16W 470-JB | | | | |
| R342 | 0700049M | RESCARBON FLM 1/16W 4.7K-JB | R41C | 0700030M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R343 | 0700049M | RESCARBON FLM 1/16W 4.7K-JB | R41E | 0700041M | RESCARBON FLM 1/16W 2.7K-JB | | | | |
| R344 | 0700051M | RESCARBON FLM 1/16W 5.6K-JB | R41K | 150287 | RESVARIABLE RV06 10K-B | | | | |
| R345 | 0700031M | RESCARBON FLM 1/16W 180-JB | R420 | 0100125M | RESCARBON FLM 1/8W 330K-JB | | | | |
| R346 | 0700061M | RESCARBON FLM 1/16W 33K-JB | R421 | 0700054M | RESCARBON FLM 1/16W 10K-JB | | | | |
| R348 | 0100041M | RESCARBON FLM 1/8W 100-JB | R422 | 0700045M | RESCARBON FLM 1/16W 2.2K-JB | | | | |
| R349 | 0100041M | RESCARBON FLM 1/8W 100-JB | R423 | 150157 | RESVARIABLE RV06 20K-B 0.1W | | | | |
| R34A | 0100038M | RESCARBON FLM 1/8W 75-JB | R424 | 0700061M | RESCARBON FLM 1/16W 33K-JB | | | | |
| R34C | 0100041M | RESCARBON FLM 1/8W 100-JB | R425 | 0100133M | RESCARBON FLM 1/8W 680K-JB | | | | |
| R34H | 0100038M | RESCARBON FLM 1/8W 75-JB | R427 | 0700067M | RESCARBON FLM 1/16W 100K-JB | | | | |
| R34K | 0100038M | RESCARBON FLM 1/8W 75-JB(31V/32V) | R428 | 0100116M | RESCARBON FLM 1/8W 130K-JB | | | | |
| R350 | 0100041M | RESCARBON FLM 1/8W 100-JB | R429 | 150290 | RESVARIABLE RV06 50K-B | | | | |
| R351 | 0100041M | RESCARBON FLM 1/8W 100-JB | R42A | 150290 | RESVARIABLE RV06 50K-B | | | | |
| R352 R354 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | R42E | 0700047M | RESCARBON FLM 1/16W 3.3K-JB | | | | |
| R355 | 0700027M 0700049M | RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 4.7K-JB | R42F | 0700036M | RESCARBON FLM 1/16W 470-JB | | | | |
| R356 | 0700049W | RESCARBON FLM 1/16W 4./K-JB RESCARBON FLM 1/16W 10K-JB | R42G | 0100133M | RESCARBON FLM 1/8W 680K-JB | | | | |
| R358 | 0700054M 0700056M | RESCARBON FLM 1/16W 10K-JB | R42K R430 | 0100117M 0700041M | RESCARBON FLM 1/8W 150K-JB | | | | |
| R359 | 0700056M 0700054M | RESCARBON FLM 1/16W 10K-JB | R430 | 0700041M 0700041M | RESCARBON FLM 1/16W 1.0K-JB RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R35A | 0700054M | RESCARBON FLM 1/16W 18K-JB | R432 | 0700041M 0700046M | RESCARBON FLM 1/16W 1.0K-JB RESCARBON FLM 1/16W 2.7K-JB | | | | |
| R35E | 0700037M | RESCARBON FLM 1/16W 1.0K-JB | R433 | 0700046W | RESCARBON FLM 1/16W 2.7K-JB | | | | |
| R360 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | R434 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R361 | 0100038M | RESCARBON FLM 1/8W 75-JB | R435 | 0700037M | RESCARBON FLM 1/16W 560-JB | | | | |
| R362 | 0100038M | RESCARBON FLM 1/8W 75-JB | R436 | 0700037M | RESCARBON FLM 1/16W 560-JB | | | | |
| R364 | 0700054M | RESCARBON FLM 1/16W 10K-JB | R437 | 0700037M | RESCARBON FLM 1/16W 560-JB | | | | |
| R365 | 0700034M | RESCARBON FLM 1/16W 330-JB | R438 | 0700037M | RESCARBON FLM 1/16W 560-JB | | | | |
| R366 | 0700054M | RESCARBON FLM 1/16W 10K-JB | R439 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R367 | 0700054M | RESCARBON FLM 1/16W 10K-JB | R43A | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R3801 | 0187038M | RESCARBON FLM 1/16W 75-J(CZ52) | R43C | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R3802 | 0100041M | RESCARBON FLM 1/8W 100-JB(CZ52) | R43E | 0700049M | RESCARBON FLM 1/16W 4.7K-JB | | | | |
| R3803 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB(CZ52) | R43H | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R3804 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB(CZ52) | R43K | 0700054M | RESCARBON FLM 1/16W 10K-JB | | | | |
| R3805 | 0100123M | RESCARBON FLM 1/8W 270K-JB(CZ52) | R440 | 0700045M | RESCARBON FLM 1/16W 2.2K-JB | | | | |
| R3806 R3807 | 0700064M 0700047M | RESCARBON FLM 1/16W 56K-JB(CZ52) | R441 | 0700045M | RESCARBON FLM 1/16W 2.2K-JB | | | | |
| R3808 | 0700047M 0700045M | RESCARBON FLM 1/16W 3.3K-JB(CZ52) RESCARBON FLM 1/16W 2.2K-JB(CZ52) | R442 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R3809 | 0700045W | RESCARBON FLM 1/16W 2.2K-JB(CZ52) | R443 R444 | 0700041M 0700048M | RESCARBON FLM 1/16W 1.0K-JB | | | | |
| R3810 | 0100123M | RESCARBON FLM 1/16W 270K-JB(CZ52) | R444 R445 | 0700048M 0700048M | RESCARBON FLM 1/16W 3.9K-JB | | | | |
| | CIOCICOM | TIES, SATISON I EN TOW Z/UN-SB(CZSZ) | 11440 | U/UUU48IVI | RESCARBON FLM 1/16W 3.9K-JB | | | | |

| SYMBOL | PART | PART | | - | | | | |
|----------------|----------------------|-------------------------------------------------------------------|-----------------------|----------------------|---------------------------------------------------------------------|--|--|--|
| NO. | NO. | DESCRIPTION | SYMBOL NO. | PART | PART | | | |
| R446 | 0700034M | RESCARBON FLM 1/16W 330-JB | R629 | NO. | DESCRIPTION | | | |
| R447 | 0100113M | RESCARBON FLM 1/8W 100K-JB | R629 | 0187104M 0700064M | | | | |
| R448 | 0700034M | RESCARBON FLM 1/16W 330-JB | R62A | 150160 | RESCARBON FLM 1/16W 56K-JB(31V/32V) RESVARIABLE RV06 100K-B 0.1W | | | |
| <u> </u> | 0119505G | RESMTL OXIDE FLM 2.2-J | R62C | 0119731M | RESMTL 0X1DE 1W R68-K TAPE(CZ52) | | | |
| R44A | 0700063M | RESCARBON FLM 1/16W 47K-JB | R62C | 0119841M | RESMTL OXIDE FLM 1W 0.82-JB(31V/32V) | | | |
| R44C | 0700063M | RESCARBON FLM 1/16W 47K-JB | R62H | 0700043M | RESCARBON FLM 1/16W 1.5K-JB(CZ52) | | | |
| R44E ▲ R44H | 0100077M 0119505G | RESCARBON FLM 1/8W 3.3K-JB | R62H | 0700044M | RESCARBON FLM 1/16W 1.8K-JB(31V/32V) | | | |
| <u> </u> | 01196878 | RESMTL OXIDE FLM 2.2-J RESMETAL OXIED FLM 4.7-J 1/4W | R62K | 0700037M | RESCARBON FLM 1/16W 560-JB | | | |
| R450 | 0100077M | RESCARBON FLM 1/8W 3.3K-JB | R630 | 0700032M | RESCARBON FLM 1/16W 220-JB | | | |
| R451 | 0100133M | RESCARBON FLM 1/8W 680K-JB(CZ52) | R631 R631 | 0700065M 0700067M | RESCARBON FLM 1/16W 68K-JB(31V/32V) | | | |
| R452 | 0700063M | RESCARBON FLM 1/16W 47K-JB | R632 | 0114161M | RESCARBON FLM 1/16W 100K-JB(CZ52) RESCARBON FLM 1/4W 1K-JB(CZ52) | | | |
| R453 | 0700045M | RESCARBON FLM 1/16W 2.2K-JB | R632 | 0114163M | RESCARBON FLM 1/4W 1.2K-JB(31V/32V) | | | |
| R454 | 0700063M | RESCARBON FLM 1/16W 47K-JB | R634 | 0114161M | RESCARBON FLM 1/4W 1K-JB(CZ52) | | | |
| R458 | 0700063M | RESCARBON FLM 1/16W 47K-JB | R636 | 0113746M | RESCARBON FLM 1/2W 680-JB | | | |
| R45A R45H | 0700049M | RESCARBON FLM 1/16W 4.7K-JB | R637 | 01101158 | RESMTL OXIDE FLM 56-JS | | | |
| R470 | 0700049M 0100065M | RESCARBON FLM 1/16W 4.7K-JB | R647 | 0700044M | RESCARBON FLM 1/16W 1.8K-JB | | | |
| R471 | 0100003M | RESCARBON FLM 1/8W 1K-JB RESCARBON FLM 1/8W 100K-JB | R648 | 0114143M | RESCARBON FLM 1/4W 330-JB | | | |
| R472 | 0700063M | RESCARBON FLM 1/16W 47K-JB | R649 R64C | 0100056M | RESCARBON FLM 1/8W 430-JB | | | |
| R473 | 0100113M | RESCARBON FLM 1/8W 100K-JB | R650 | 0700049M 0700067M | RESCARBON FLM 1/16W 4.7K-JB | | | |
| R474 | 0100065M | RESCARBON FLM 1/8W 1K-JB | R651 | 0100125M | RESCARBON FLM 1/16W 100K-JB RESCARBON FLM 1/8W 330K-JB | | | |
| R475 | 0700063M | RESCARBON FLM 1/16W 47K-JB | R651 | 0700066M | RESCARBON FLM 1/16W 82K-JB(31V/32V) | | | |
| R476 | 0100113M | RESCARBON FLM 1/8W 100K-JB | R651 | 0700067M | RESCARBON FLM 1/16W 100K-JB(CZ52) | | | |
| R477 | 0100065M | RESCARBON FLM 1/8W 1K-JB | R652 | 0700057M | RESCARBON FLM 1/16W 18K-JB | | | |
| R478 | 0700063M | RESCARBON FLM 1/16W 47K-JB | R652 | 0700064M | RESCARBON FLM 1/16W 56K-JB(CZ52) | | | |
| R479 R47A | 0100113M 0100065M | RESCARBON FLM 1/8W 100K-JB | R652 | 0700066M | RESCARBON FLM 1/16W 82K-JB(31V/32V) | | | |
| R47C | 0100065M | RESCARBON FLM 1/8W 1K-JB RESCARBON FLM 1/8W 1K-JB | R653 | 0700064M | RESCARBON FLM 1/16W 56K-JB | | | |
| R47E | 0100003M | RESCARBON FLM 1/8W 100K-JB | R654 | 0700057M | RESCARBON FLM 1/16W 18K-JB | | | |
| R47F | 0100065M | RESCARBON FLM 1/8W 1K-JB | R655 R655 | 0700059M 0700063M | RESCARBON FLM 1/16W 27K-JB(CZ52) | | | |
| R47H | 0700063M | RESCARBON FLM 1/16W 47K-JB | R656 | 0700063W | RESCARBON FLM 1/16W 47K-JB(31V/32V) | | | |
| R47K | 0100113M | RESCARBON FLM 1/8W 100K-JB | R657 | 0100117M | RESCARBON FLM 1/16W 4.7K-JB RESCARBON FLM 1/8W 150K-JB(CZ52) | | | |
| R480 | 0100065M | RESCARBON FLM 1/8W 1K-JB | R657 | 0100119M | RESCARBON FLM 1/8W 180K-JB(31V/32V) | | | |
| R481 | 0100113M | RESCARBON FLM 1/8W 100K-JB(31V/32V) | R658 | 0700055M | RESCARBON FLM 1/16W 12K-JB(CZ52) | | | |
| R482 R483 | 0700063M | RESCARBON FLM 1/16W 47K-JB | R658 | 0700058M | RESCARBON FLM 1/16W 22K-JB(31V/32V) | | | |
| R484 | 0100065M 0100113M | RESCARBON FLM 1/8W 1K-JB | R659 | 0100117M | RESCARBON FLM 1/8W 150K-JB | | | |
| R485 | 0700063M | RESCARBON FLM 1/8W 100K-JB(31V/32V) RESCARBON FLM 1/16W 47K-JB | R663 | 0700059M | RESCARBON FLM 1/16W 27K-JB | | | |
| <u> </u> | 119514 | RESMETAL OXIDE FILM 1/4W 10-J | R664 R664 | 0700063M | RESCARBON FLM 1/16W 47K-JB(31V/32V) | | | |
| R501 | 0700057M | RESCARBON FLM 1/16W 18K-JB | R665 | 0700066M 0700064M | RESCARBON FLM 1/16W 82K-JB(CZ52) | | | |
| R502 | 0700058M | RESCARBON FLM 1/16W 22K-JB | R666 | 0700004M | RESCARBON FLM 1/16W 56K-JB RESCARBON FLM 1/16W 33K-JB | | | |
| R519 | 0700054M | RESCARBON FLM 1/16W 10K-JB | R667 | 0100133M | RESCARBON FLM 1/8W 680K-JB | | | |
| R51A | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | R668 | 2340371 | THERMISTOR 112301-9 | | | |
| R51C | 0700054M | RESCARBON FLM 1/16W 10K-JB | R669 | 0700067M | RESCARBON FLM 1/16W 100K-JB | | | |
| R51E R51H | 0100049M | RESCARBON FLM 1/8W 220-JB | R670 | 0700045M | RESCARBON FLM 1/16W 2.2K-JB | | | |
| R51K | 0700054M 0100049M | RESCARBON FLM 1/16W 10K-JB RESCARBON FLM 1/8W 220-JB | R671 | 0700065M | RESCARBON FLM 1/16W 68K-JB(CZ52) | | | |
| R520 | 0100049M | RESCARBON FLM 1/8W 220-JB | R701 | 0700036M | RESCARBON FLM 1/16W 470-JB | | | |
| R521 | 0700061M | RESCARBON FLM 1/16W 33K-JB | R702 R703 | 0700045M 0700041M | RESCARBON FLM 1/16W 2.2K-JB | | | |
| R522 | 0700031M | RESCARBON FLM 1/16W 180-JB | R704 | 150287 | RESCARBON FLM 1/16W 1.0K-JB RESVARIABLE RV06 10K-B | | | |
| R601 | 0700058M | RESCARBON FLM 1/16W 22K-JB | <u> </u> | 0700054M | RESCARBON FLM 1/16W 10K-JB | | | |
| R602 | 0700027M | RESCARBON FLM 1/16W 100-JB | R706 | 0700045M | RESCARBON FLM 1/16W 2.2K-JB | | | |
| R603 | 0700059M | RESCARBON FLM 1/16W 27K-JB | R707 | 0700029M | RESCARBON FLM 1/16W 150-JB | | | |
| R604 R607 | 0700054M | RESCARBON FLM 1/16W 10K-JB | R708 | 0100125M | RESCARBON FLM 1/8W 330K-JB | | | |
| R608 | 0100119M 0700038M | RESCARBON FLM 1/8W 180K-JB RESCARBON FLM 1/16W 680-JB | R709 | 0114141M | RESCARBON FLM 1/4W 270-JB | | | |
| R609 | 0700030M | RESCARBON FLM 1/16W 1.2K-JB | R70A | 0114141M | RESCARBON FLM 1/4W 270-JB | | | |
| R60A | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | R710 R716 | 0700033M 0113729M | RESCARBON FLM 1/16W 270-JB | | | |
| R60C | 0100055M | RESCARBON FLM 1/8W 390-JB | R717 | 0700067M | RESCARBON FLM 1/2W 150-JB | | | |
| R60E | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | R718 | 0100037M | RESCARBON FLM 1/16W 100K-JB RESCARBON FLM 1/8W 68-JB | | | |
| R60H | 0700032M | RESCARBON FLM 1/16W 220-JB | R720 | 0114141M | RESCARBON FLM 1/4W 270-JB | | | |
| R610 | 0700048M | RESCARBON FLM 1/16W 3.9K-JB | <u> </u> | 0119838\$ | RESMTL FLM 1/4-S 0.5-J | | | |
| R613 R614 | 0700055M | RESCARBON FLM 1/16W 12K-JB | <u>∧</u> R725 | 0119505G | RESMTL OXIDE FLM 2.2-J | | | |
| R621 | 0700048M 0700035M | RESCARBON FLM 1/16W 3.9K-JB | <u>∧</u> R726 | 0119505G | RESMTL OXIDE FLM 2.2-J | | | |
| R622 | 0700035M 0700065M | RESCARBON FLM 1/16W 390-JB RESCARBON FLM 1/16W 68K-JB | R727 | 0119688M | RESMTL FLM 1W 0.22-JB | | | |
| R623 | 0700005M 0700058M | RESCARBON FLM 1/16W 68K-JB | R728 | 0700044M | RESCARBON FLM 1/16W 1.8K-JB | | | |
| R624 | 0100131M | RESCARBON FLM 1/8W 560K-JB | <u>∧</u> R729 R732 | 0700048M | RESCARBON FLM 1/16W 3.9K-JB | | | |
| R625 | 0114135M | RESCARBON FLM 1/4W 150-JB | R732 | 0100077M 0113748M | RESCARBON FLM 1/8W 3.3K-JB | | | |
| R626 | 0700059M | RESCARBON FLM 1/16W 27K-JB | R735 | 0113748M 0113750M | RESCARBON FLM 1/2 P-B 820-JB RESCARBON FLM 1/2W 1K-JB | | | |
| R627 | 0100129M | RESCARBON FLM 1/8W 470K-JB | <u>∧</u> R736 | 0700032M | RESCARBON FLM 1/16W 220-JB | | | |
| 3628 | 0187106M | RESCARBON FLM 1/16W 51K-JB | | | | | | |

| SYMBOL | PART | PART | SYMBOL | PART | PART | | |
|---------------|----------------------|--------------------------------------------------------------------|---------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| NO. | NO. | DESCRIPTION | NO. | NO. | DESCRIPTION | | |
| R739 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | R821 | 0100049M | v firm in the contract of the | | |
| R73A | 0114049M | RESCARBON FLM 1/4W 22-JB | R822 | 0100049M | RESCARBON FLM 1/8W 220-JB RESCARBON FLM 1/8W 220-JB | | |
| R73C | 0700023M | RESCARBON FLM 1/16W 47-J | R824 | 0100063M | RESCARBON FLM 1/8W 820-JB | | |
| ⚠ R73E | 0119838S | RESMTL FLM 1/4-S 0.5-J | R825 | 0100063M | RESCARBON FLM 1/8W 820-JB | | |
| R73H | 0114161M | RESCARBON FLM 1/4W 1K-JB | R826 | 0100057M | RESCARBON FLM 1/8W 470-JB | | |
| R73K | 0700036M | RESCARBON FLM 1/16W 470-JB | R827 | 0100057M | RESCARBON FLM 1/8W 470-JB | | |
| R740 | 0110125S | RESMTL OXIDE FLM 150-JS(CZ52) | R828 | 0100057M | RESCARBON FLM 1/8W 470-JB | | |
| <u> </u> | 0700054M | RESCARBON FLM 1/16W 10K-JB | R829 | 0700043M | RESCARBON FLM 1/16W 1.5K-JB | | |
| <u> </u> | 0700053M | RESCARBON FLM 1/16W 8.2K-JB | R830 | 0700043M | RESCARBON FLM 1/16W 1.5K-JB | | |
| R74A R74C | 0100061M | RESCARBON FLM 1/8W 680-JB | R831 | 0700043M | RESCARBON FLM 1/16W 1.5K-JB | | |
| R74C | 0100103M 0100107M | RESCARBON FLM 1/8W 39K-JB(CZ52) RESCARBON FLM 1/8W 56K-JB(31V/32V) | R832 | 0700032M | RESCARBON FLM 1/16W 220-JB | | |
| R74H | 0100107M | RESCARBON FLM 1/8W 56K-JB(31V/32V) | R833 R834 | 0700032M 0700032M | RESCARBON FLM 1/16W 220-JB | | |
| R74H | 0100109M | RESCARBON FLM 1/8W 68K-JB(CZ52) | R835 | 0700032M 0187074M | RESCARBON FLM 1/16W 220-JB RESCARBON FLM 1/16W 2.4K-JB | | |
| R750 | 0100073M | RESCARBON FLM 1/8W 2.2K-JB | R836 | 0700044M | RESCARBON FLM 1/16W 2.4K-JB | | |
| R750A | 0114131M | RESCARBON FLM 1/4W 100-JB | R837 | 0700038M | RESCARBON FLM 1/16W 680-JB | | |
| R751 | 0700065M | RESCARBON FLM 1/16W 68K-JB | R838 | 0700035M | RESCARBON FLM 1/16W 390-JB | | |
| R752 | 150279 | RESVARIABLE RV06 100K-B(V) | R839 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | |
| R753 | 0700056M | RESCARBON FLM 1/16W 15K-JB | R840 | 0700046M | RESCARBON FLM 1/16W 2.7K-JB | | |
| R754 | 0700038M | RESCARBON FLM 1/16W 680-JB | R841 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | |
| R755 | 150276 | RESVARIABLE RV06 20K-B(V) | R842 | 0700051M | RESCARBON FLM 1/16W 5.6K-JB | | |
| R756 | 0700057M | RESCARBON FLM 1/16W 18K-JB | R843 | 0700043M | RESCARBON FLM 1/16W 1.5K-JB | | |
| R757 | 0700064M | RESCARBON FLM 1/16W 56K-JB | R844 | 0700052M | RESCARBON FLM 1/16W 6.8K-JB | | |
| R758 R759 | 0700051M 0700064M | RESCARBON FLM 1/16W 5.6K-JB | R845 | 0700035M | RESCARBON FLM 1/16W 390-JB | | |
| R760 | 0700064W | RESCARBON FLM 1/16W 56K-JB RESCARBON FLM 1/16W 82K-JB | R846 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | |
| R762 | 0700058M | RESCARBON FLM 1/16W 82K-JB | R847 R848 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB | | |
| R763 | 01102598 | RESMTL OXIDE FLM 3.9K-JS | R849 | 0700051M 0700055M | RESCARBON FLM 1/16W 5.6K-JB RESCARBON FLM 1/16W 12K-JB | | |
| R764 | 0100075M | RESCARBON FLM 1/8W 2.7K-JB | R850 | 0100033M | RESCARBON FLM 1/16W 12K-JB | | |
| R765 | 0100071M | RESCARBON FLM 1/8W 1.8K-JB | ⚠ R851 | 01102718 | RESMTL OXIDE FLM 2W 12K-JS(31V/32V) | | |
| R766 | 0700027M | RESCARBON FLM 1/16W 100-JB | ⚠ R851 | 01103678 | RESMTL OXIDE FLM 3W 8.2K-JS(CZ52) | | |
| R767 | 0700044M | RESCARBON FLM 1/16W 1.8K-JB | R852 | 01102718 | RESMTL OXIDE FLM 2W 12K-JS(31V/32V) | | |
| R768 | 0700056M | RESCARBON FLM 1/16W 15K-JB | <u> </u> | 0110367S | RESMTL OXIDE FLM 3W 8.2K-JS(CZ52) | | |
| R769 | 0700054M | RESCARBON FLM 1/16W 10K-JB | <u> </u> | 0110271S | RESMTL OXIDE FLM 2W 12K-JS(31V/32V) | | |
| R770 | 0100115M | RESCARBON FLM 1/8W 120K-JB | <u>∧</u> R853 | 0110367S | RESMTL OXIDE FLM 3W 8.2K-JS(CZ52) | | |
| R771 R772 | 0700055M | RESCARBON FLM 1/16W 12K-JB | R861 | 0100063M | RES,-CARBON FLM 1/8W 820-JB | | |
| R773 | 0700046M 0700049M | RESCARBON FLM 1/16W 2.7K-JB RESCARBON FLM 1/16W 4.7K-JB | R862 | 0100063M | RESCARBON FLM 1/8W 820-JB | | |
| R774 | 0700045M | RESCARBON FLM 1/16W 12K-JB | R863 R864 | 0100049M 0700054M | RESCARBON FLM 1/8W 220-JB | | |
| R775 | 150275 | RESVARIABLE RV06 10K-B(V) | R865 | 0700054W | RESCARBON FLM 1/16W 10K-JB | | |
| R776 | 0700051M | RESCARBON FLM 1/16W 5.6K-JB | R875 | 0700046W | RESCARBON FLM 1/16W 3.9K-JB RESCARBON FLM 1/2W 1K-JB | | |
| ⚠ R781 | 0100073M | RESCARBON FLM 1/8W 2.2K-JB | R876 | 0113750M | RESCARBON FLM 1/2W 1K-JB | | |
| R782 | 0700054M | RESCARBON FLM 1/16W 10K-JB | R877 | 0113750M | RESCARBON FLM 1/2W 1K-JB | | |
| R783 | 0700046M | RESCARBON FLM 1/16W 2.7K-JB | R878 | 0100049M | RESCARBON FLM 1/8W 220-JB | | |
| R785 | 0700054M | RESCARBON FLM 1/16W 10K-JB | R879 | 0100049M | RESCARBON FLM 1/8W 220-JB | | |
| R786 | 0110241S | RESMTL OXIDE FLM 680-JS | R880 | 0100049M | RESCARBON FLM 1/8W 220-JB | | |
| R787 | 110219 | RESMTL OXIDE FLM 82-J 2W | R881 | 0114131M | RESCARBON FLM 1/4W 100-JB | | |
| R788 R789 | 0700063M | RESCARBON FLM 1/16W 47K-JB | R882 | 0114131M | RESCARBON FLM 1/4W 100-JB | | |
| R790 | 0700061M 0700046M | RESCARBON FLM 1/16W 33K-JB RESCARBON FLM 1/16W 2.7K-JB | R883 | 0114131M | RESCARBON FLM 1/4W 100-JB | | |
| R791 | 0700040M | RESCARBON FLM 1/16W 4.7K-JB | R884 R884 | 0100037M | RESCARBON FLM 1/8W 68-JB(CZ52) | | |
| R793 | 0110177S | RESMTL OXIDE FLM 22K-JS | R885 | 0100040M 0100037M | RESCARBON FLM 1/8W 91-JB(31V/32V) | | |
| R794 | 0110257S | RESMTL OXIDE FLM 3.3K-JS | R885 | 0100037M 0100040M | RESCARBON FLM 1/8W 68-JB(CZ52) RESCARBON FLM 1/8W 91-JB(31V/32V) | | |
| R798 | 0113760M | RESCARBON FLM 1/2W 2.7K-JB | R886 | 0100037M | RESCARBON FLM 1/8W 68-JB(CZ52) | | |
| R801 | 0700043M | RESCARBON FLM 1/16W 1.5K-JB | R886 | 0100040M | RESCARBON FLM 1/8W 91-JB(31V/32V) | | |
| R802 | 0700054M | RESCARBON FLM 1/16W 10K-JB | R888 | 0700023M | RESCARBON FLM 1/16W 47-J(CZ52) | | |
| R805 | 0700023M | RESCARBON FLM 1/16W 47-J(CZ52) | R888 | 0700027M | RESCARBON FLM 1/16W 100-JB(31V/32V) | | |
| R805 | 0700026M | RESCARBON 1/16P 82-JB(31V/32V) | <u> </u> | 2341281 | THERMISTOR | | |
| R806 | 150109 | RESVARIABLE RV6 200-B | <u> </u> | 147811 | RESWIRE WOUND 15W 1.5-KM | | |
| R807 R808 | 150272 | RESVARIABLE RV06 2K-B (V) | <u>∧</u> R903 | 141161 | RESWIRE WOUND 15W 220-JF | | |
| R809 | 0700038M 0700038M | RESCARBON FLM 1/16W 680-JB | R904 | 01102218 | RESMTL OXIDE FLM 100-JS | | |
| R811 | 0700038M 0700024M | RESCARBON FLM 1/16W 680-JB RESCARBON FLM 1/16W 56-J(31V/32V) | R905 | 0110197S | RESMTL OXIDE FLM 2W 10-JS | | |
| R811 | 0700024M 0700026M | RESCARBON 1/16P 82-JB(CZ52) | R906 R907 | 01101978 | RESMTL OXIDE FLM 2W 10-JS | | |
| R813 | 0700038M | RESCARBON FLM 1/16W 680-JB | R907 R908 | 0110173S 0100113M | RESMTL OXIDE FLM 15K-JS | | |
| R814 | 150272 | RESVARIABLE RV06 2K-B (V) | R909 | 0100113M 0100129M | RESCARBON FLM 1/8W 100K-JB RESCARBON FLM 1/8W 470K-JB | | |
| R815 | 0700023M | RESCARBON FLM 1/16W 47-J(CZ52) | R90A | 0100129M 0119722M | RESMETAL OXIDE FILM 1.0-JB/W | | |
| R815 | 0700027M | RESCARBON FLM 1/16W 100-JB(31V/32V) | R90C | 0700053M | RESCARBON FLM 1/16W 8.2K-JB | | |
| R816 | 150109 | RESVARIABLE RV6 200-B | R90F | 01101258 | RESMTL OXIDE FLM 150-JS | | |
| R817 | 0700038M | RESCARBON FLM 1/16W 680-JB | R90H | 0114059M | RESISTOR-CARBON FILM SRD 1/4 PF 56-J | | |
| R818 | 150272 | RESVARIABLE RV06 2K-B (V) | R90K . | 01101258 | RESMTL OXIDE FLM 150-JS | | |
| R819 | 0700064M | RESCARBON FLM 1/16W 56K-JB | R910 | 0100133M | RESCARBON FLM 1/8W 680K-JB | | |
| R820 | 0100049M | RESCARBON FLM 1/8W 220-JB | R912 | 141159 | RESWIRE WOUND 15W 180-JF(31V/32V) | | |

| SYMBOL | PART | PART | CVMPOL | LOADT | DADT | | | |
|---------------|----------------------|---------------------------------------------------------------------------------------|---------------|----------------------|---------------------------------------------------------------------------------------|--|--|--|
| NO. | NO. | DESCRIPTION | SYMBOL NO. | PART NO. | PART | | | |
| R912 | 141161 | RESWIRE WOUND 15W 220-JF(CZ52) | RA45 | 0700039M | DESCRIPTION RESCARBON FLM 1/16W 820-JB(CZ52/CY56/57) | | | |
| R914 | 01101558 | RES.MTL OXIDE FLM 2.7K-JS 1W | RA46 | 01102098 | RESMTL OXIDE FLM 33-JS(CZ52/CY56/57) | | | |
| R915 | 0110261S | RESMTL OXIDE FLM 4.7K-JS | RA47 | 01102098 | RESMTL OXIDE FLM 33-JS(CZ52/CY56/57) | | | |
| R916 | 0114221M | RESCARBON FLM 1/4 PB 68K-J | RA48 | 0187038M | RESCARBON FLM 1/16W 75-J(CZ52/CY56/57) | | | |
| R917 | 0114209M | RESISTOR-CARBON FILM SRD 1/4 PF 22K-J | RA49 | 0187038M | RESCARBON FLM 1/16W 75-J(CZ52/CY56/57) | | | |
| R918 R919 | 0100010M 0700027M | RESCARBON FLM 1/8W 5.1-JB | RA50 | 0700028M | RESCARBON FLM 1/16W 120-JB(CZ52/CY56/57) | | | |
| R91A | 0700027M | RESCARBON FLM 1/16W 100-JB RESCARBON FLM 1/16W 220-JB | RA51 | 0700032M | RESCARBON FLM 1/16W 220-JB(CZ52/CY56/57) | | | |
| R91C | 0100101M | RESCARBON FLM 1/8W 33K-JB | RA53 RA55 | 0100041M 0700027M | RESCARBON FLM 1/8W 100-JB(CZ52/CY56/57) | | | |
| R91E | 01101298 | RESMTL OXIDE FLM 220-JS | RA56 | 0100027M | RESCARBON FLM 1/16W 100-JB(CZ52/CY56/57) RESCARBON FLM 1/8W 22K-JB(CZ52/CY56/57) | | | |
| R91F | 0114171M | RESCARBON FLM 1/4W 2.7K-JB | RA57 | 0700027M | RESCARBON FLM 1/16W 100-JB(CZ52/CY56/57) | | | |
| R91H | 0114053M | RESISTOR-CARBON FILM SRD 1/4 PB 33-J | RA58 | 0700027M | RESCARBON FLM 1/16W 100-JB(CZ52/CY56/57) | | | |
| R91K | 01101418 | RESMTL OXIDE FLM 680-JS | RA59 | 0700037M | RESCARBON FLM 1/16W 560-JB(CZ52/CY56/57) | | | |
| R920 R921 | 0700027M 0700067M | RESCARBON FLM 1/16W 100-JB | RA60 | 0700066M | RESCARBON FLM 1/16W 82K-JB(CZ52/CY56/57) | | | |
| R922 | 0114179M | RESCARBON FLM 1/16W 100K-JB RESISTOR-CARBON FILM SRD 1/4 PF 5.6K-J | RA61 | 0700036M | RESCARBON FLM 1/16W 470-JB(CZ52/CY56/57) | | | |
| R923 | 0114149M | RESISTOR-CARBON FILM SRD 1/4 PF 560-J | RA62 RA63 | 0700028M 0179536M | RESCARBON FLM 1/16W 120-JB(CZ52/CY56/57) | | | |
| R924 | 147620 | RESWIRE WOUND 2.7-KF | RA64 | 0700043M | RESMETAL GLAZED FILM 1M J(CZ52/CY56/57) RESCARBON FLM 1/16W 1.5K-JB(CZ52/CY56/57) | | | |
| R925 | 0100073M | RESCARBON FLM 1/8W 2.2K-JB | RA65 | 0187034M | RESCARBON FLM 1/16W 51-J(CZ52/CY56/57) | | | |
| R926 | 0700049M | RESCARBON FLM 1/16W 4.7K-JB | RA66 | 0700034M | RESCARBON FLM 1/16W 330-JB(CZ52/CY56/57) | | | |
| R927 | 0700064M | RESCARBON FLM 1/16W 56K-JB | RA69 | 0700027M | RESCARBON FLM 1/16W 100-JB(CZ52/CY56/57) | | | |
| R928 | 0700051M | RESCARBON FLM 1/16W 5.6K-JB | RA73 | 0700032M | RESCARBON FLM 1/16W 220-JB(CZ52/CY56/57) | | | |
| R929 R92A | 0700061M | RESCARBON FLM 1/16W 33K-JB | RA74 | 0700032M | RESCARBON FLM 1/16W 220-JB(CZ52/CY56/57) | | | |
| R92C | 0113750M 0700046M | RESCARBON FLM 1/2W 1K-JB | RA78 | 0100059M | RESCARBON FLM 1/8W 560-JB(CZ52/CY56/57) | | | |
| R92E | 0700046M 0113725M | RESCARBON FLM 1/16W 2.7K-JB RESISTOR CARBON FILM SRD1/2P-B 100-J | RA80 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB(CZ52/CY56/57) | | | |
| R92F | 0113746M | RESCARBON FLM 1/2W 680-JB | RA81 RA82 | 0700052M 0700041M | RESCARBON FLM 1/16W 6.8K-JB(CZ52/CY56/57) | | | |
| R92H | 0700032M | RESCARBON FLM 1/16W 220-JB | RA83 | 0100059M | RESCARBON FLM 1/16W 1.0K-JB(CZ52/CY56/57) RESCARBON FLM 1/8W 560-JB(CZ52/CY56/57) | | | |
| R92K | 0700064M | RESCARBON FLM 1/16W 56K-JB | RA84 | 0700054M | RESCARBON FLM 1/16W 10K-JB(CZ52/CY56/57) | | | |
| R930 | 0700051M | RESCARBON FLM 1/16W 5.6K-JB | RA85 | 0700063M | RESCARBON FLM 1/16W 47K-JB(CZ52/CY56/57) | | | |
| R931 | 0700051M | RESCARBON FLM 1/16W 5.6K-JB | RA86 | 0700054M | RESCARBON FLM 1/16W 10K-JB(CZ52/CY56/57) | | | |
| R932 | 0700051M | RESCARBON FLM 1/16W 5.6K-JB | RA87 | 0100065M | RESCARBON FLM 1/8W 1K-JB(CZ52/CY56/57) | | | |
| <u>∧</u> R933 | 0119508S | RESMTL FLM 1/4W 56-JF | RA89 | 0700058M | RESCARBON FLM 1/16W 22K-JB(CZ52/CY56/57) | | | |
| R934 R935 | 0100029M 0700051M | RESCARBON FLM 1/8W 33-JB | RA90 | 0700054M | RESCARBON FLM 1/16W 10K-JB(CZ52/CY56/57) | | | |
| R936 | 01101978 | RESCARBON FLM 1/16W 5.6K-JB RESMTL OXIDE FLM 2W 10-JS | RA91 | 0700054M | RESCARBON FLM 1/16W 10K-JB(CZ52/CY56/57) | | | |
| R937 | 0700051M | RESCARBON FLM 1/16W 5.6K-JB | RA92 RA93 | 0700054M 0700054M | RESCARBON FLM 1/16W 10K-JB(CZ52/CY56/57) | | | |
| R938 | 01102818 | RESMTL OXIDE FLM 33K-JS | RA94 | 0700034M 0700041M | RESCARBON FLM 1/16W 10K-JB(CZ52/CY56/57) RESCARBON FLM 1/16W 1.0K-JB(CZ52/CY56/57) | | | |
| <u> </u> | 0119505G | RESMTL OXIDE FLM 2.2-J | RA95 | 0700053M | RESCARBON FLM 1/16W 8.2K-JB(CZ52/CY56/57) | | | |
| R93A | 0100111M | RESCARBON FLM 1/8W 82K-JB | RA96 | 0700056M | RESCARBON FLM 1/16W 15K-JB(CZ52/CY56/57) | | | |
| R93H | 0113746M | RESCARBON FLM 1/2W 680-JB | RA97 | 0700033M | RESCARBON FLM 1/16W 270-JB(CZ52/CY56/57) | | | |
| R941 | 0100101M | RESCARBON FLM 1/8W 33K-JB | RA98 | 0700043M | RESCARBON FLM 1/16W 1.5K-JB(CZ52/CY56/57) | | | |
| R942 R944 | 0110217S 0110223S | RESMTL OXIDE FLM 68-JS | RAZ1 | 0700036M | RES.CARBON FLM 1/16W 470-JB(CZ52/CY57/CY56) | | | |
| R969 | 147060 | RESMTL OXIDE FLM 120-JS RESWIRE WOUND 2W 33-K | RAZ2 | 0700037M | RES.CARBON FLM 1/16W 560-JB(CZ52/CY57/CY56) | | | |
| R970 | 141195 | RESWIRE WOUND 2W 33-K | RE01 | 0700054M | RESCARBON FLM 1/16W 10K-JB(CZ52/CY56/57) | | | |
| RA01 | 0100066M | RESCARBON FLM 1/8W 1.1K-JB(CZ52) | RE02 RE04 | 0700037M 0100041M | RESCARBON FLM 1/16W 560-JB(CZ52/CY56/57) | | | |
| RA02 | 0100065M | RES,-CARBON FLM 1/8W 1K-JB(CZ52) | RE05 | 0100041M | RESCARBON FLM 1/8W 100-JB(CZ52/CY56/57) RESCARBON FLM 1/8W 100-JB(CZ52/CY56/57) | | | |
| RA02 | 0700027M | RESCARBON FLM 1/16W 100-JB(CZ52/CY56/57) | RE06 | 0100041M | RESCARBON FLM 1/8W 100-JB(CZ52/CY56/57) | | | |
| RA03 | 0100065M | RESCARBON FLM 1/8W 1K-JB(CZ52) | RE10 | 0700055M | RESCARBON FLM 1/16W 12K-JB(CZ52/CY56/57) | | | |
| RA03 | 0700027M | RESCARBON FLM 1/16W 100-JB(CZ52/CY56/57) | RE11 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB(CZ52/CY56/57) | | | |
| RA04 | 0100065M | RESCARBON FLM 1/8W 1K-JB(CZ52) | RE12 | 0700058M | RESCARBON FLM 1/16W 22K-JB(CZ52/CY56/57) | | | |
| RA04 RA05 | 0700036M | RESCARBON FLM 1/16W 470-JB(CZ52/CY56/57) | RE13 | 0700058M | RESCARBON FLM 1/16W 22K-JB(CZ52/CY56/57) | | | |
| RA06 | 0100117M 0700037M | RESCARBON FLM 1/18W 150K-JB(CZ52/CY56/57) | RE20 | 0700059M | RESCARBON FLM 1/16W 27K-JB(CZ52/CY56/57) | | | |
| RA07 | 0700037M 0700041M | RESCARBON FLM 1/16W 560-JB(CZ52/CY56/57) RESCARBON FLM 1/16W 1.0K-JB(CZ52/CY56/57) | RE21 RE22 | 0700059M | RESCARBON FLM 1/16W 27K-JB(CZ52/CY56/57) | | | |
| RA08 | 0700054M | RESCARBON FLM 1/16W 10K-JB(CZ52/CY56/57) | RE23 | 0700063M 0700059M | RESCARBON FLM 1/16W 47K-JB(CZ52/CY56/57) | | | |
| RA09 | 0700054M | RESCARBON FLM 1/16W 10K-JB(CZ52/CY56/57) | RE24 | 0700059M | RESCARBON FLM 1/16W 27K-JB(CZ52/CY56/57) RESCARBON FLM 1/16W 27K-JB(CZ52/CY56/57) | | | |
| RA10 | 0700027M | RESCARBON FLM 1/16W 100-JB(CZ52/CY56/57) | RE25 | 0700035M | RESCARBON FLM 1/16W 2/K-JB(CZ52/CY56/57) | | | |
| RA11 | 0700027M | RESCARBON FLM 1/16W 100-JB(CZ52/CY56/57) | RE26 | 0700042M | RESCARBON FLM 1/16W 1.2K-JB(CZ52/CY56/57) | | | |
| RA13 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB(CZ52/CY56/57) | RMF1 | 0700051M | RESCARBON FLM 1/16W 5.6K-JB(CZ52) | | | |
| RA15 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB(CZ52/CY56/57) | RMF2 | 0100053M | RESCARBON FLM 1/8W 330-JB(CZ52) | | | |
| RA32 RA33 | 0700047M | RESCARBON FLM 1/16W 3.3K-JB(CZ52/CY56/57) | RMF3 | 0100056M | RESCARBON FLM 1/8W 430-JB(CZ52) | | | |
| RA33 | 0700052M 0700063M | RESCARBON FLM 1/16W 6.8K-JB(CZ52/CY56/57) | RMF4 | 0100093M | RESCARBON FLM 1/8W 15K-JB(CZ52) | | | |
| RA35 | 0700063M 0700058M | RESCARBON FLM 1/16W 47K-JB(CZ52/CY56/57) RESCARBON FLM 1/16W 22K-JB(CZ52/CY56/57) | RTP15 | 0110125S | RESMTL OXIDE FLM 150-JS | | | |
| RA36 | 0700054M | RESCARBON FLM 1/16W 22K-JB(CZ52/CY56/57) | RY01 RY02 | 0700041M | RESCARBON FLM 1/16W 1.0K-JB(CZ52) | | | |
| RA37 | 0700058M | RESCARBON FLM 1/16W 22K-JB(CZ52/CY56/57) | RY03 | 0700041M 0100057M | RESCARBON FLM 1/0W 470 JB(CZ52) | | | |
| RA38 | 0700054M | RESCARBON FLM 1/16W 10K-JB(CZ52/CY56/57) | RY04 | 0700037M | RESCARBON FLM 1/8W 470-JB(CZ52) RESCARBON FLM 1/16W 470-JB(CZ52) | | | |
| RA39 | 0700035M | RESCARBON FLM 1/16W 390-JB(CZ52/CY56/57) | RY05 | 0700036M | RESCARBON FLM 1/16W 470-JB(CZ52) | | | |
| RA40 | 0700054M | RESCARBON FLM 1/16W 10K-JB(CZ52/CY56/57) | RY06 | 0700027M | RESCARBON FLM 1/16W 100-JB(CZ52) | | | |
| RA43 | 0700067M | RESCARBON FLM 1/16W 100K-JB(CZ52/CY56/57) | RY07 | 0100073M | RESCARBON FLM 1/8W 2.2K-JB(CZ52) | | | |
| RA44 | 0700063M | RESCARBON FLM 1/16W 47K-JB(CZ52/CY56/57) | RY08 | 0700047M | RESCARBON FLM 1/16W 3.3K-JB(CZ52) | | | |

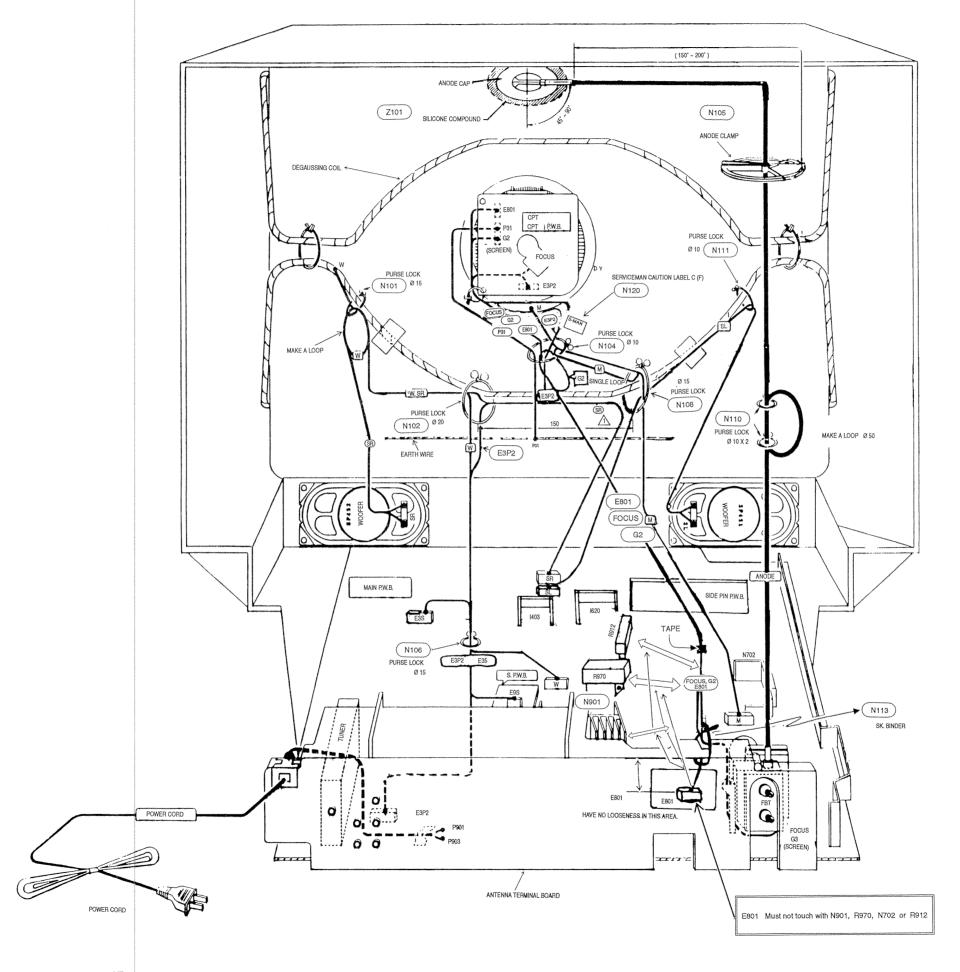
| SYMBOL | PART | PART | SYMBOL | PART | PART | | | |
|------------------------|--------------------|-----------------------------------------------------------------------------------|---------------|--------------------|------------------------------------------------------------------------|--|--|--|
| NO. | NO. | DESCRIPTION | NO. | NO. | 4 | | | |
| RY09 | 0700058M | RESCARBON FLM 1/16W 22K-JB(CZ52) | #150 | 3105323 | DESCRIPTION EDAME 21 CYE/GD | | | |
| RY10 | 0700057M | RESCARBON FLM 1/16W 18K-JB(CZ52) | #150 #150 | QD00261 | FRAME 31CX5/6B FRAME 32CX7B PS | | | |
| RY11 | 0700055M | RESCARBON FLM 1/16W 12K-JB(CZ52) | #151 | H830071 | WASHER 1/4 FLAT 35TX20B | | | |
| | | , | #152 | 4517801 | 6 FLANGE-NUT 35TX20B | | | |
| 1 | | SWITCHES/RELAY | #160 | 3739671 | BS CORD HOLDER NYLON 6 | | | |
| 0001 | 0000054 | | #200 | PH00811 | DOOR 32CX7B | | | |
| S001 S001 | 2632851 2633402 | 5KEY TACT SWITCH(CY57/CY57BP) | #200 | 8781646 | SCREW 4 X 16 TAPPING 35TX20B | | | |
| S002 | FE00081 | SKEY PUSH SWITCH(CY56/CY55) PUSH SWITCH KSM0635B(CY56/CY55) | #202 #203 | 4519503 4519503 | 3X12 B TAPPING SCREW SWCH15A 3X12 B TAPPING SCREW SWCH15A | | | |
| S002 | 2632901 | 1P TACT SWITCH(CY57/CY57BP) | #210 | 4159427 | 3X12 B TAPPING SCREW SWCH15A 3X10 SCREW WITH WASHER STEEL | | | |
| S003 | FE00081 | PUSH SWITCH KSM0635B(CY56/CY55) | #220 | 4520771 | HEXAGON HEAD TAPPING SCREW 4*18 35TX20B | | | |
| S003 | 2632901 | 1P TACT SWITCH(CY57/CY57BP) | #225 | 3875771 | LATCH 4T02 NYLON 31CX5/6B | | | |
| S0501 | 2633321 | 5KEY TACT SWITCH(CZ52) | #225 | 3875771 | LATCH 4T02 NYLON 32CX7B | | | |
| S0502 <u>∧</u> S901 | 2632901 2641222 | 1P TACT SWITCH(CZ52) POWER RELAY | #230 #231 | 3483601 | SP NET R 31CX5/6B SPCC | | | |
| ⚠ SMF1 | 2620971 | SLIDE SWITCH(CZ52) | #250 | 3483611 4520232 | SP NET L 31CX5/6B SPCC 4X16 D TAPPING SCREW SWCH16A | | | |
| ⚠ SMF2 | 2620802 | SLIDE SWITCH(CZ52) | #250 | 3487421 | HITACHI BADGE 55 (S) PS 31V/32V | | | |
| | | , , | #250 | 3727972 | POWER CORD HANGER 35TX20B | | | |
| | | SPEAKERS | #251 | 4520232 | 4X16 DTAPPING SCREW SWCH16A(CZ52/CY56/57) | | | |
| A CD454 | 0440047 | | #260 | 4778201 | LABEL BASE 35TX20B PVC | | | |
| ⚠ SP451 ⚠ SP451 | 2412647 2735338 | SPEAKER 60X120(5W) 31CX5/6B SP AR HORN 32CX7B | #269 | 3756631 | PLASTIC RIVET 35TX20B FRAME ASSEMBLY 35TX20B: COMPLETED BUTTON 35TX20B | | | |
| ⚠ SP451 | 2414607 | SPEAKER 6X12 35TX20B | #280 #283 | 3106469 3273872 | FRAME ASSEMBLY 35TX20B | | | |
| ⚠ SP452 | 2412647 | SPEAKER 60X120(5W) 31CX5/6B | #284 | 3487421 | HITACHI BADGE 55 (S) PS 35TX20B | | | |
| <u> </u> | 2735338 | SP AR HORN 32CX7B | #285 | 3204184 | R/C LENS 35TX20B | | | |
| <u> </u> | 2414607 | SPEAKER 6X12 35TX20B | #286 | 3483712 | SP NET (R) 35TX20B | | | |
| | | | #287 | 3483722 | SP NET (L) 35TX20B | | | |
| | | TRANSFORMERS | #288B | 3828164 | INDOOR PLATE 35TX20B PC | | | |
| <u> </u> | 2274353 | TRANSH.DRIVE | #289 #290 | 8781642 | SCREW 4*12 TAPPING 35TX20B | | | |
| <u>∧</u> T702 | 2437094 | FBT-C87LUI | #290 | 9485101 8815126 | ADHESIVE DIA-BOND DY-470 35TX20B WASHER-4LOCKING 35TX20B | | | |
| <u> </u> | 2216002 | SW.TRANS.A3LXU | #293A | H390041 | HIMERON SHEET 85X10 35TX20B | | | |
| | | | #293B | H390051 | BUTTON CUSHION 35TX20B | | | |
| | | COLOR PICTURE TUBES | #294 | 4733887H | HIMERON 3170 35TX20B | | | |
| <u> </u> | DE00064 | CDT A701 CH20V(M)CDE(01 CVE/CD) | #295A | 3106458 | FRAME SUBASSEMBLY 35TX20B | | | |
| V1 | DE00064 DE00961 | CPT A78LCU30X(M)SDF(31CX5/6B) CPT A80LJF30X(32CX7B) | #296A #297 | 3106402 3821953 | FRAME 35TX20B PS6075 DOOR 35TX20B PS | | | |
| V1 | 2471593 | CPT A89AEJ15X01 (35TX20B) | #298 | 3875771 | LATCH 4T02 NYLON 35TX20B | | | |
| | | , | #299 | H390043 | HIMERON SHEET 740X10 35TX20B | | | |
| | | CRYSTALS | #300 | 3821421 | DOOR 31CX5/6B PS | | | |
| X001 | 0160001 | CDVCTAL COATO CATT | #300 | 3204188 | R/C LENS 32CX7B | | | |
| X103 | 2168831 2300477 | CRYSTAL CSA12.0MTZ SAW FILTER HW2267 | #309 #310 | 3204181 8781642 | R/C LENS 31CX5/6B PMMA | | | |
| X201 | 2167311 | FILTER CERAMIC (4.5MHZ) | #310 | PH02501 | SCREW 4*12 TAPPING 32CX7B INDOOR PLATE 31CX5/6B | | | |
| X202 | 2167201 | TRAP CERAMIC (4.5MHZ) | #329 | 3827634 | IN-DOOR PLATE (L) 31CX5/6B | | | |
| X301 | 2793281 | DELAY LINE | #360 | PH02223 | SP SHEET 32CX7B | | | |
| X302 | 2794401 | DELAY LINE GLASS 63.5US | #400 | PH00911 | INDOOR PLATE 32CX7B | | | |
| X501 X701 | 2791505 2167241 | CRYSTAL HC-491U 3.58MHZ CERAMIC OSC CSB503F | #410 | 8781642 | SCREW 4*12 TAPPING 31CX5/6B | | | |
| XA01 | BP00171 | X'TAL 14R3X16THC-49/U(CZ52/CY56/57) | #420 #430 | 8441428 8441429 | HIMERON SHEET(H) HIMERON 31CX5/6B HIMERON SHEET(I) HIMERON 31CX5/6B | | | |
| XA02 | 2167241 | CERAMIC OSC CSB503F(CZ52/CY56/57) | #440 | 8440444 | SP HIMERON C29-BV20 31CX5/6B | | | |
| | | | #521 | 3164045 | BACK COVER A3LXU2 31CX5/6B | | | |
| | | MISCELLANEOUS PARTS | #521 | 3164043 | 32CX7B BACK COVER | | | |
| #010 | 9105000 | EDAME ACCEMBLY CLOVE OF A CAR MEDE | #521A | 3768811 | 130 ADHESION PIECE B 31CX5/6B | | | |
| #010 #010 | 3105306 H920182 | FRAME ASSEMBLY 31CX5/6B COMPLETE VELCRO 32CX7B | #523 #520 | H340001 | BACKCOVER SUBASSEMBLY 31CX5/6B | | | |
| #021 | 3701202 | PWB HOLDER G7-A PA | #530 #601 | 8440444 3727972 | SP HIMERON C29-BV20 32CX7B POWER CORD HANGER 31V/32V | | | |
| #050 | 3105316 | FRAME SUB-ASSEMBLY 31CX5/6B | #680 | H461171 | PATENT AND TELESONICS LABEL 32CX7B | | | |
| #060 | QD00684 | FRAME ASSEMBLY 32CX7B | #686 | H461171 | PATENT AND TELESONICS LABEL 31CX5/6B | | | |
| #080 | 3164773 | BACKCOVER 35TX20B | #805 | 4518378 | 6X35 TAPPING SCREW WITH WASHER .STEEL | | | |
| #086 #088 | H920131 | THREE BOND TB1521 1KG CAN 35TX20B | #860 | 4520771 | HEXAGON HEAD TAPPING SCREW 4*18 | | | |
| #088 | 3483761 9485101 | BACK COVER NET 35TX20B SPCC ADHESIVE DIA-BOND DY-470 35TX20B | #887 #889 | H390031 | CUSHION-NEOPRENE 32CX7B | | | |
| #100 | 4521713H | SCREW HEXAGON HEAD 35TX20B | #895 | 8441611 8781646 | HIMERON SHEET 240*18 32CX7B SCREW 4 X 16 TAPPING 31V/32V | | | |
| #105 | 4516581 | SCREW 4*16 SPECIAL WASHER SWRM 35TX20B | #898 | 8781646 | SCREW 4 X 16 TAPPING 31V/32V SCREW 4 X 16 TAPPING 31CX5/6B | | | |
| #106 | NT00122 | A3LXU2 TERMINAL BOARD | #900 | 8781642 | SCREW 4*12 TAPPING 31CX5/6B | | | |
| #110 | QD00674 | FRAME SASSY 32CX7B | #900 | PC00341 | BUTTON 32CX7B | | | |
| #111 #112 | 4107241 8781642 | SUPPORT METAL AV JACK SECC 20/ 35TX20B | #906 | PH00971 | TERMINAL LABEL A3LXU2(31V/32V) | | | |
| #116 | 3850262 | SCREW 4*12 TAPPING 35TX20B CHASSIS RAIL 27500-A(CONSOLE) PS 35TX20B | #908 #910 | PH00972 8781642 | TERMINAL LABEL 35V(CZ52) | | | |
| #117 | 3850272 | CHASSIS RAIL 27500-A(CONSOLE) PS 351X20B CHASSIS RAIL 27500-B(CONSOLE) PS 35TX20B | 1 | 9436271 | SCREW 4*12 TAPPING 32CX7B PERMACEL TAPE NO.2 31CX5/6B | | | |
| #118 | 4520771 | HEXAGON HEAD TAPPING SCREW 4*18 35TX20B | | 8815126 | WASHER-4LOCKING 31CX5/6B | | | |
| #119 | 4520771 | HEXAGON HEAD TAPPING SCREW 4*18 35TX20B | | 2574762 | R/C MODULE SPS-409-1K(CZ52) | | | |

| CVMADOL | PADT | T A 7 T | CVAROL | 1 7 2 7 7 | PART PART | | | | | |
|---------------|--------------------|------------------------------------------------------------------------------------|----------------|--------------------|----------------------------------------------------------|--|--|--|--|--|
| SYMBOL NO. | PART NO. | PART DESCRIPTION | SYMBOL NO. | PART NO. | PART DESCRIPTION | | | | | |
| EOP | EF02522 | PIP CONNECTOR(CZ52/CY57/CY56) | NO. N620 | 7 | | | | | | |
| E203 | 2784243 | DRY BATTERY SUM-3 (G) | N620A | 3446862 4520881 | VERTICAL HEAT SINK M1LXU M3*8 SCREW WITH WASHER | | | | | |
| E3P1 | 2976661 | CONN. W/WIRE SEH 12J (L300)(CZ52/CY57/CY56) | N620B | 8821234 | NUT-3 | | | | | |
| E3P2 | EF01321 | CONNECTOR CO-08C-B2R5-561 | N701 | 8821114 | NUT,3 | | | | | |
| E3S | 2976691 | CONN. W/WIRE SEH 5J (L300) | N701A | 4243445 | G51 INSULATION WASHER PL-11T | | | | | |
| E602 | 2994511 | CRT EARTH WIRE (31V/32V) | N701B | 8711412 | SCREW-3X12 PAN HEAD | | | | | |
| E602 | 2908402 | CRT EARTH WIRE 35TX20B | N702 | 3445542 | H.HEAT SINK HY09 A11DOP-H2 | | | | | |
| E603 E604 | 2771461 2773672 | EDGE MAGNET | N702A | 4514061 | SCREW FLANGED 3*12 | | | | | |
| E801 | 2976671 | CF-MAGNET (31V/32V) CONN. W/WIRE SEH 4J (L560) | N702B N702C | 8821234 8813124 | NUT-3 SPRING WASHER-3 | | | | | |
| E851 | 2953344 | CPT SOCKET | N702D | 4284311 | 2000 EARTH PIN | | | | | |
| €901 | 2745411 | AC POWER CORD | N702E | 4159411 | SCREW 3*8 KNURLED TAPPING SWRM | | | | | |
| EA01 | 2974231S | CONN. W/WIRE SEH 9J L60 (C-B)(CZ52/CY56/57) | N706 | 4276993 | VERTICAL HEAT SINK | | | | | |
| EA02 | 2974201S | CONN. W/WIRE SEH 8J L60 (C-B)(CZ52/CY56/57) | N706A | 4520881 | M3*8 SCREW WITH WASHER | | | | | |
| EF901 | 2720641 | FUSE HOLDER | N70A | 4276993 | VERTICAL HEAT SINK | | | | | |
| EF902 | 2720641 | FUSE HOLDER | N70AA | 4520881 | M3*8 SCREW WITH WASHER | | | | | |
| EG EY02 | 2663328 2956485 | 2J MINI-CONNECTOR WITH WIRE (31V/32V) CONNECTOR CO-01C-A-471(CZ52) | N752 N752A | 3445563 4520881 | HEAT SINK A3LXU | | | | | |
| ∴ J301 | 2983095 | 8P PIN JACK WITH SWITCH | N854 | 4348493 | M3*8 SCREW WITH WASHER CPT HEAT SINK A2LXU AL(CZ52) | | | | | |
| /\ J30F | 2673602 | US13(31V/32V) | N855 | 4348493 | CPT HEAT SINK A2LXU AL(CZ52) | | | | | |
| JG | 2973682S | CONN.W/WIRE SEH 2J(L620) UL1007(CZ52) | N856 | 4348493 | CPT HEAT SINK A2LXU AL(CZ52) | | | | | |
| JM | 2665293 | 6P MINI CONN LEAD 35TX20B | N901 | 3446871 | POWER HEAT SINK A3LXU2(31V/32V) | | | | | |
| ∑ JSIN | 2983122 | S-SOCKET | N901 | 3446873 | POWER HEAT SINK 35V(CZ52) | | | | | |
| JSL | 2976751 | CONN. W/WIRE EH 3J (L620) 31CX5/6B | N901A | 4520883 | 3*12 SCREW WITH WASHER | | | | | |
| JSL | 2976753 | CONN. W/WIRE EH 3J (L620) 32CX7B | N901B | 8781642 | SCREW 4*12 TAPPING | | | | | |
| JSL JSR | 2976752 2976761 | CONN. W/WIRE EH 3J (L820) 35TX20B CONN. W/WIRE EH 4J (L680) 31CX5/6B | N901C N901D | 4137974 2787531 | 4X12 TAPPING WITH WASHER STEEL MICA SHETT | | | | | |
| JSR | 2976763 | CONN. W/WIRE EH 4J (L680) 32CX7B | N901E | 8815126 | WASHER-4LOCKING | | | | | |
| JSR | 2976762 | CONN. W/WIRE EH 4J (L780) 35TX20B | N910 | 4107502 | PWB METAL R (A1) TC-30 | | | | | |
| KAJP | 9374575 | UL CSA1007-24HP CODE GREEN(CZ52/CY56/57) | N912 | 4107512 | A1LXU1 PWB METAL L TC-30 | | | | | |
| N001 | 3443231 | SHIELD PLATE M1C TC-30 | NA01 | MD01161 | M3 PIP SHIELD CASE A(CZ52/CY56/57) | | | | | |
| N101 | 3785511 | V LOCK 16 31V/32V | NA02 | MD01171 | M3 PIP SHIELD CASE B(CZ52/CY56/57) | | | | | |
| N101 | 544510 | TERMINAL PIECE | NC901 | 2784342 | CONDENSER COVER | | | | | |
| N101 N101 | 3785502 QN00155 | V LOCK 11.5 35TX20B | NE901 NMFC | 3772201 3763751 | AC CORD HOLDER NYLON | | | | | |
| N101 | QN00156 | CHASSIS MODEL LABEL FOR HIMEX(A3LXU 35V) CHAS.MODEL LABEL FOR HIMEX(A3LXU 31V/32V) | P001 | 2675287 | SK BINDER 35TX20B PLUG PIN (PH 8P)(CZ52/CY56/57) | | | | | |
| N102 | 3785522 | V LOCK 20 31V/32V | P301 | 2959053 | 5P POST PIN 4P TYPE PH | | | | | |
| N102 | 3785511 | V LOCK 16 35TX20B | P301 | 2902252 | 12P PLUG PIN(CZ52/CY56/57) | | | | | |
| N103 | 3785502 | V LOCK 11.5 32CX7B | P31 | 2663131 | 2P PLUG PIN WITH BASE | | | | | |
| N103 | 3785522 | V LOCK 20 35TX20B | P3S | 2902264 | PLUG PIN SUB MINI 5P | | | | | |
| N104 | 3785502 | V LOCK 11.5 31CX5/6B | P65A | 2675583 | PLUG.JL-BT-E-5P | | | | | |
| N104 N105 | 3785511 3705232 | V LOCK 16 32CX7B ANODE CLAMPER 94V0 (101) 31V/32V | P65B P66A | 2675563 | PLUG JL-F-E-5P | | | | | |
| N105 N105A | 3705232 | ANODE CLAMPER 94V0 (101) 31V/32V ANODE CLAMPER 94V0 (101) 32CX7B | P66B | 2675583 2675563 | PLUG.JL-BT-E-5P PLUG JL-F-E-5P | | | | | |
| N106 | 3785511 | V LOCK 16 31V/32V | P801 | 2902267 | PLUG PIN SUB MINI 8P | | | | | |
| N107 | 3785502 | V LOCK 11.5 32CX7B | P802 | 2902263 | PLUG PIN SUB MINI 4P | | | | | |
| N108 | 3785511 | V LOCK 16 31CX5/6B | P901 | 2782611 | CENTER PIN | | | | | |
| N108 | 3705232 | ANODE CLAMPER 94V0 (101) 35TX20B | P902 | 2782611 | CENTER PIN | | | | | |
| N108 | 3785511 | V LOCK 16 32CX7B | PA01 | 2902248 | PLUG PIN SUB MINI9P(CZ52/CY56/57) | | | | | |
| N109 N109 | 3700342 3763751 | WIRE CLAMP V0 32CX7B SK BINDER 35TX20B | PA02 PFJ | 2902247 | PLUG PIN SUB MINI 8P(CZ52/CY56/57) | | | | | |
| N1109 | 3785502 | V LOCK 11.5 31V/32V | PFJ | 2902266 2902246 | PLUG PIN SUB MINI 7P(CZ52) PLUG PIN SUB MINI 7P(CZ52) | | | | | |
| N111 | 3785502 | V LOCK 11.5 31V/32V | PFV | 2902265 | PLUG PIN SUB MINI 6P(CZ52) | | | | | |
| N112A | 9374506 | WIRE UL1007 CSATR64 AWG22 1/0.64 FR-1 GR | PFV | 2902251 | 11P PLUG PIN(CZ52) | | | | | |
| N113 | 3763751 | SK BINDER 31CX5/6B | PG | 2902261 | PLUGPIN SUB MINI 2P(CZ52) | | | | | |
| N120 | 4690171 | CAUTION LABEL C (F) | PG2 | 2902241 | PLUG PIN SUB MINI 2P(CZ52) | | | | | |
| N201 | 3763751 | SK BINDER | PG3 | 2661942 | 3P PLUG PIN WITH L TYPE(CZ52) | | | | | |
| N401 | QN00326 | SERVICEMAN WARNING LABEL 31CX5/6B | PM | 2665272 | 4P PLUG PIN WITH BASE | | | | | |
| N401 N401 | QN00321 QN00325 | SERVICEMAN WARNING LABEL A 32CX7B SERVICEMAN WARNING LABEL A 35TX20B | PSL PSR | 2902262 2902263 | PLUG PIN SUB MINI 3P PLUG PIN SUB MINI 4P | | | | | |
| N403 | 3446863 | S HEAT SINK (M1-K) AL | PW | 2661753 | 4P PLUG PIN WITH BASE | | | | | |
| N403A | 4520881 | M3*8 SCREW WITH WASHER | PY01 | 2675565 | PLUG PIN JL-F-E 7P(CZ52) | | | | | |
| N403B | 8821234 | NUT-3 | PY02 | 2661756 | 1P PLUG PIN WITH BASE(CZ52) | | | | | |
| N601 | 4615641 | WEDGE (31V/32V) | PYNR | 2675585 | PLUG PIN JL-BT-E 7P(CZ52) | | | | | |
| N606 | 3330941 | EARTH SPRING (31V/32V) | <u> </u> | 2574762 | R/C MODULE SPS-409-1K(CZ52) | | | | | |
| N606 | 3333922 | EARTH SPRING SUS. 35TX20B | <u> </u> | 2428681 | TUNER ET-352A | | | | | |
| N607 | 3763751 | SK BINDER 35TX20B | Z 7004 | 9451136 | UL CSA TUBE NO.8 | | | | | |
| N607A N608 | 3763751 3763752 | SK BINDER (31V/32V) SK BINDER 200 NYLON 66 | Z004 Z101 | 9413926 9413945 | SILICON RUBBER(CZ52) SILICONE KE-1300 (WHITE) | | | | | |
| N610 | 2772981 | FERRITE SHEET ASS'Y | Z101 Z101 | 9413945 | NITTOH TAPE #747 | | | | | |
| N611 | 2772211 | MAG. PIECE (31V/32V) | Z101A | 9449503 | ADHESIVE TAPE (SCOTCH NO.3 W=9) 35TX20B | | | | | |
| N612 | 2956801 | EARTH RING | Z102 | 9449503 | ADHESIVE TAPE (SCOTCH NO.3 W=9) 32CX7B | | | | | |
| N613 | 4621186 | CUSHION 2908 CR 35TX20B | Z103 | 9436111 | TAPE-ADHESIVE W50 NITTO#223S 31CX5/6B | | | | | |

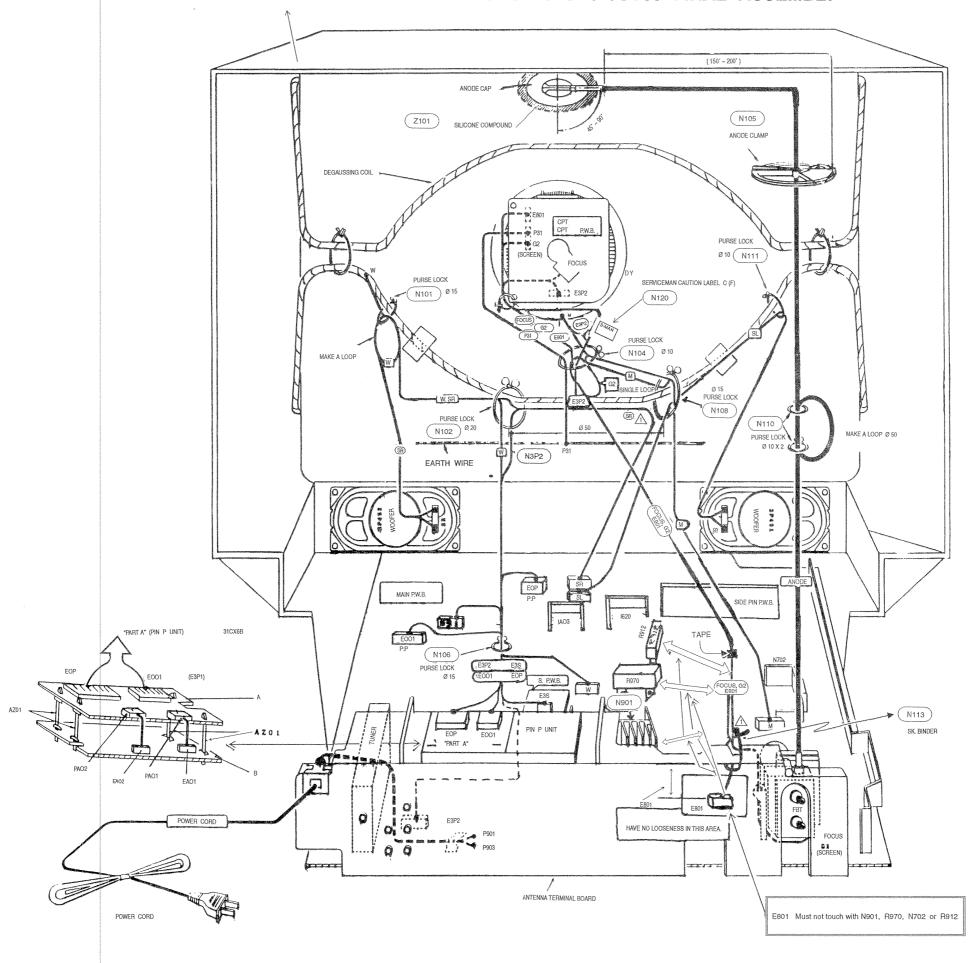
PRODUCT SAFETY NOTE: Components marked with a \triangle have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

| SYMBOL | PART | PART | SYMBOL | PART | PART |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------|--------|------|-------------|
| NO. | NO. | DESCRIPTION | NO. | NO. | DESCRIPTION |
| Z104 | 9449916 | NITTO TAPE W19MM 31CX5/6B | | | |
| Z20E | 9485158 | HOT MELT (AX-1503C) | | | |
| Z330 | 9485158 | HOT MELT (AX-1503C) | | | |
| Z398 Z39A | 9451104 9451104 | VARNISH CLOTH TUBE 0.8X1.8 YELLOW VARNISH CLOTH TUBE 0.8X1.8 YELLOW | | | |
| Z403 | 9414017 | SILICONE COMPOUND(G-746) | | | |
| Z490 | 9451104 | VARNISH CLOTH TUBE 0.8X1.8 YELLOW | | | |
| Z501 | 9316403 | RESIN FLUX CORED WIRE SOLDER (RH50-2.3-A | | | |
| Z601 | H920251 9449506 | PERMACEL TAPE P-201 W19 (31V/32V) | | | |
| Z601 Z603 | 9449506 | SCOTCH TAPE NO.29 19MM (31V/32V) WHITE PAINT (31V/32V) | | | |
| Z604 | 9553945 | ADHESIVE TAPE PERMACEL P212 (FIBER GLASS) | | | |
| Z606 | 9436111 | TAPE-ADHESIVE W50 NITTO#223S 35TX20B | | | |
| Z606A | 9436111 | TAPE-ADHESIVE W50 NITTO#223S (31V/32V) | | | |
| Z608 Z608 | H920251 H920251 | PERMACEL TAPE P-201 W19 (31V/32V) PERMACEL TAPE P-201 W19 35TX20B | | | |
| Z609 | 9449503 | ADHESIVE TAPE (SCOTCH NO.3 W=9) | | | |
| Z610 | 9449553 | TAPE-ADHESIVE W19 NITTO#223S(B PVC | | | |
| Z611 | 9449503 | ADHESIVE TAPE (SCOTCH NO.3 W=9) 35TX20B | | | |
| Z620 | 9414017 | SILICONE COMPOUND(G-746) | | | |
| Z701 Z703 | 9414017 9413926 | SILICONE COMPOUND(G-746) SILICON RUBBER | | | |
| Z703 Z706 | 9413926 | SILICON RUBBER SILICONE COMPOUND(G-746) | | | |
| Z70A | 9414017 | SILICONE COMPOUND(G-746) | | | |
| Z737 | 9485158 | HOT MELT (AX-1503C) | | | |
| Z73E | 9563443 | INSULATING TUBE-HG-2E 4MM(CZ52) | | | |
| Z752 Z901 | 9414017 9553958 | SILICONE COMPOUND(G-746) ADHESIVE TAPE (PERMACEL P212 19W) | | | |
| Z901 Z902 | 9414017 | SILICONE COMPOUND(G-746) | | | |
| Z90K | 9413926 | SILICON RUBBER | | | |
| Z910 | 9451104 | VARNISH CLOTH TUBE 0.8X1.8 YELLOW | | | |
| Z912 | 9485158 | HOT MELT (AX-1503C) | | | |
| Z969 ZA01 | 9413926 3787482 | SILICON RUBBER(31V/32V) PCB HOLDER (16L)(CZ52/CY56/57) | | | |
| ZKL4 | 9451104 | VARNISH CLOTH TUBE 0.8X1.8 YELLOW | | | |
| ZMFC | 9436111 | TAPE-ADHESIVE W50 NITTO#223S 35TX20B | | | |
| ZN901 | 9451115 | UL CSA TUBE NO.0 | | | |
| ZR062 ZR067 | 9451136 9451115 | UL CSA TUBE NO.8(CZ52/CY56/57) UL CSA TUBE NO.0 | | | |
| ZR067J | 9374575 | UL CSA1007-24HP CODE GREEN | | | |
| ZR067T | 9553958 | ADHESIVE TAPE (PERMACEL P212 19W) | | | |
| ZR0L1 | 9451104 | VARNISH CLOTH TUBE 0.8X1.8 YELLOW | | | |
| ZR2Z2 | 9451115 | UL CSA TUBE NO.0(CZ52/CY56/57) | | | |
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| MANUFACTURE OF THE PROPERTY OF | 1 | | | | |
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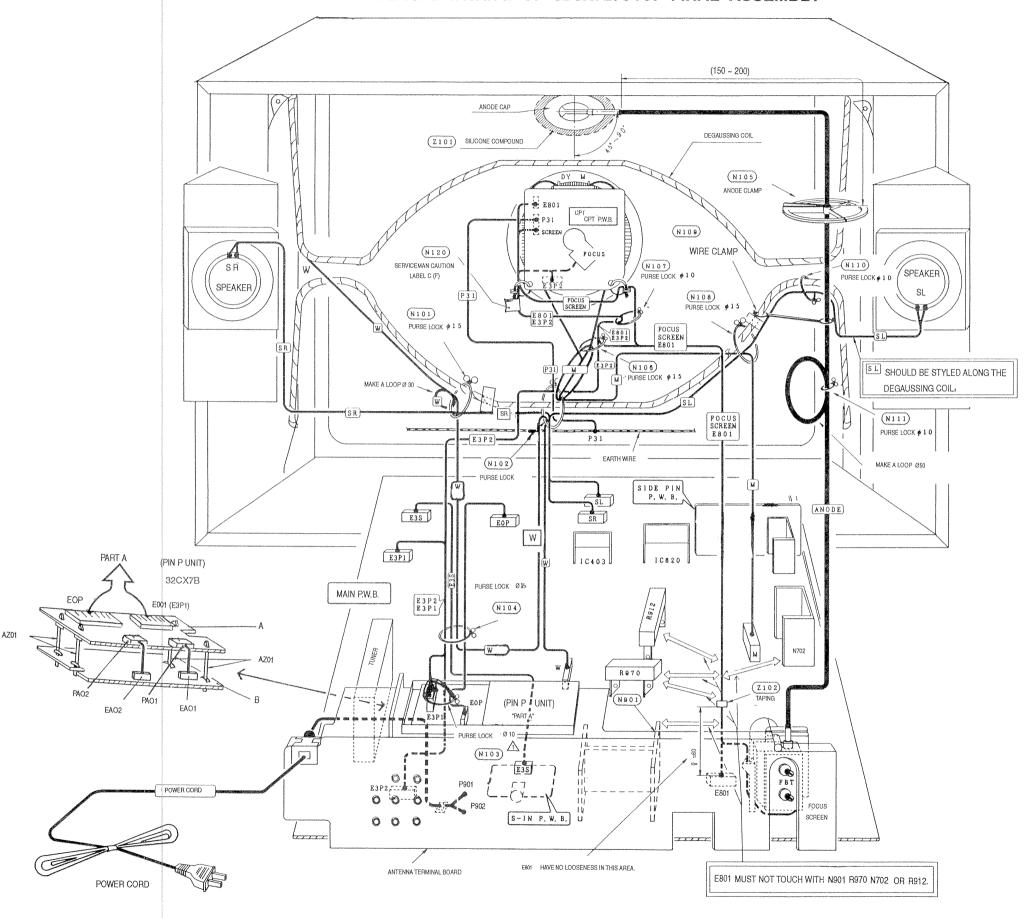
WIRING DRAWING OF 31CX5B/CY55 FINAL ASSEMBLY

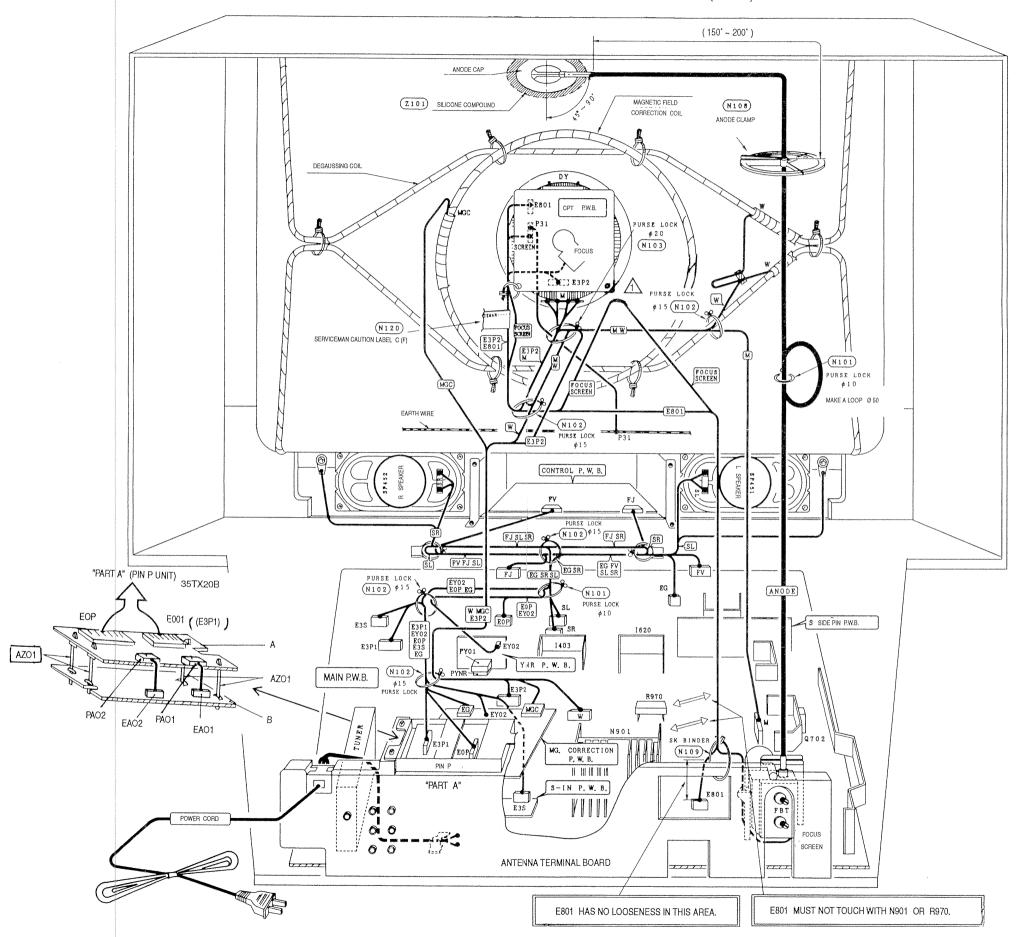


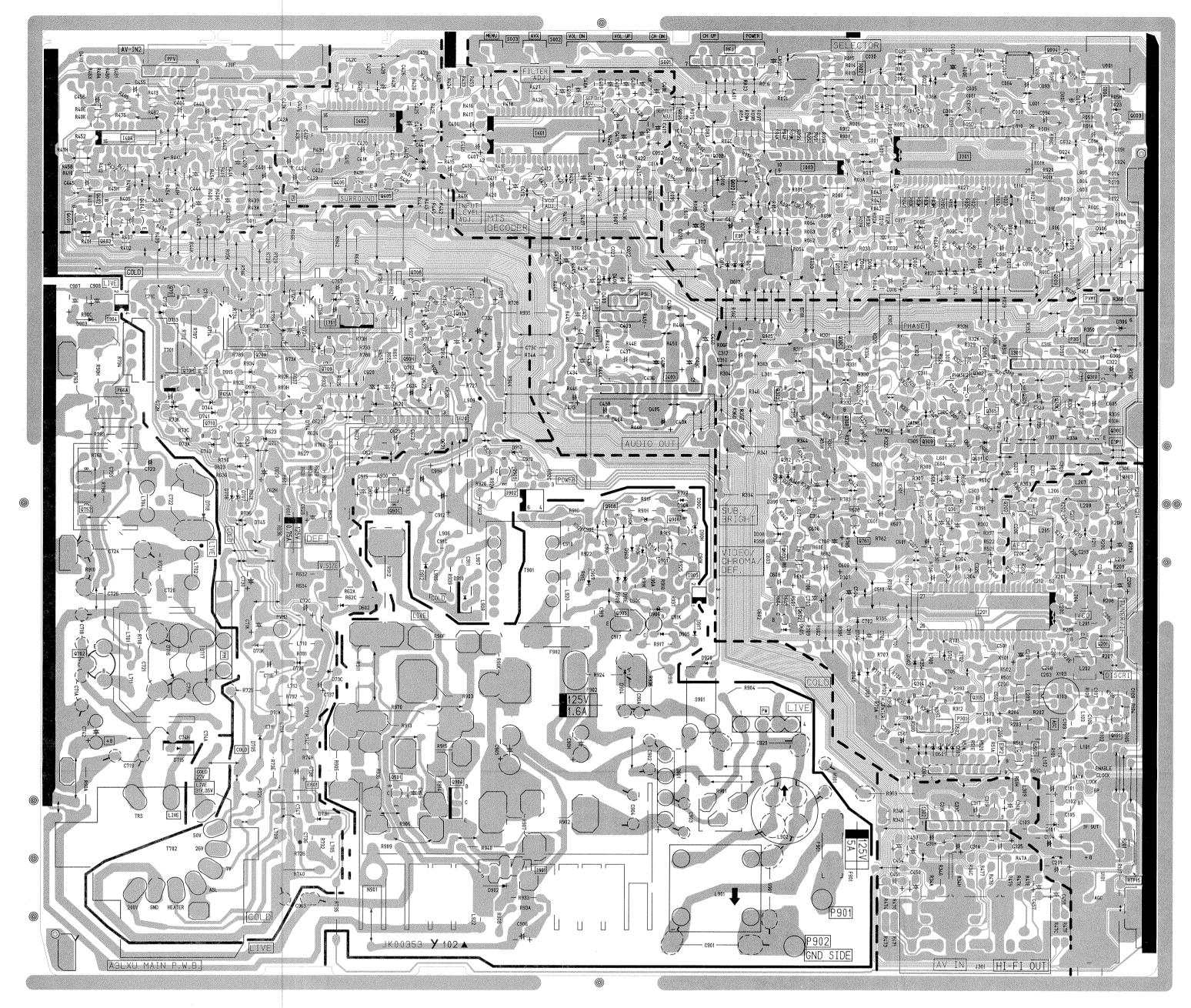
WIRING DRAWING OF 31CX6B/CY56 FINAL ASSEMBLY



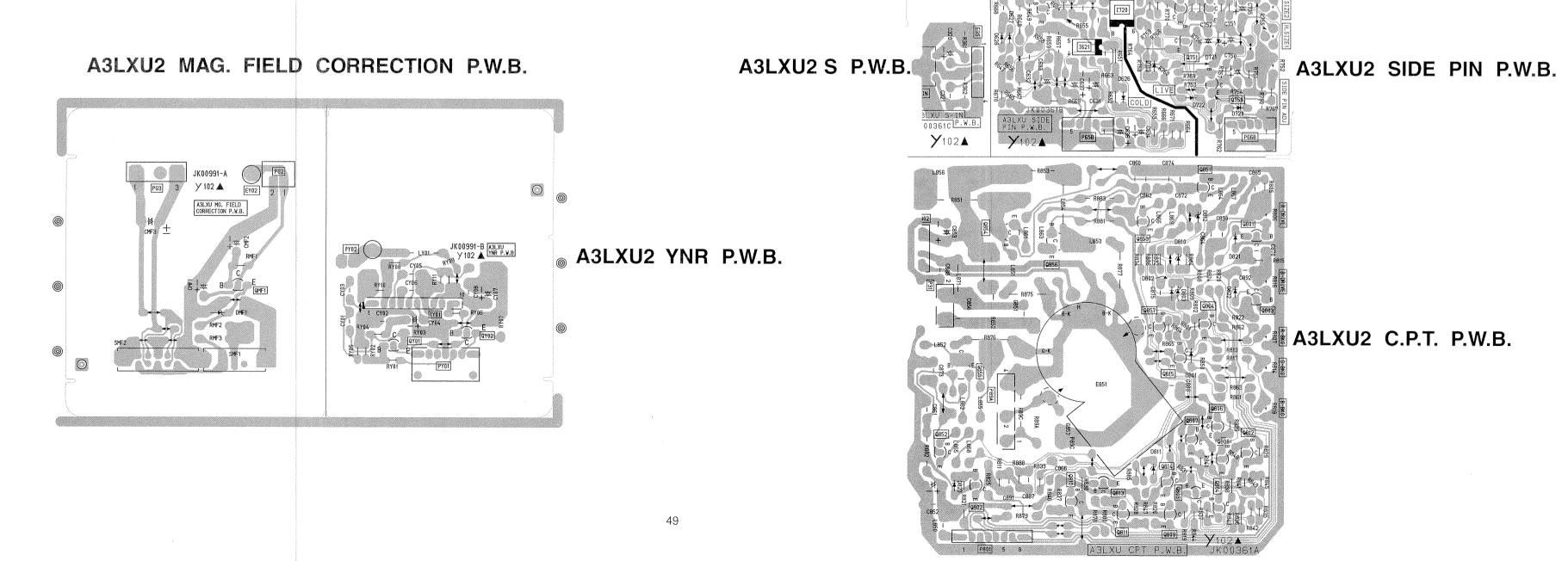
WIRING DRAWING OF 32CX7B/CY57 FINAL ASSEMBLY



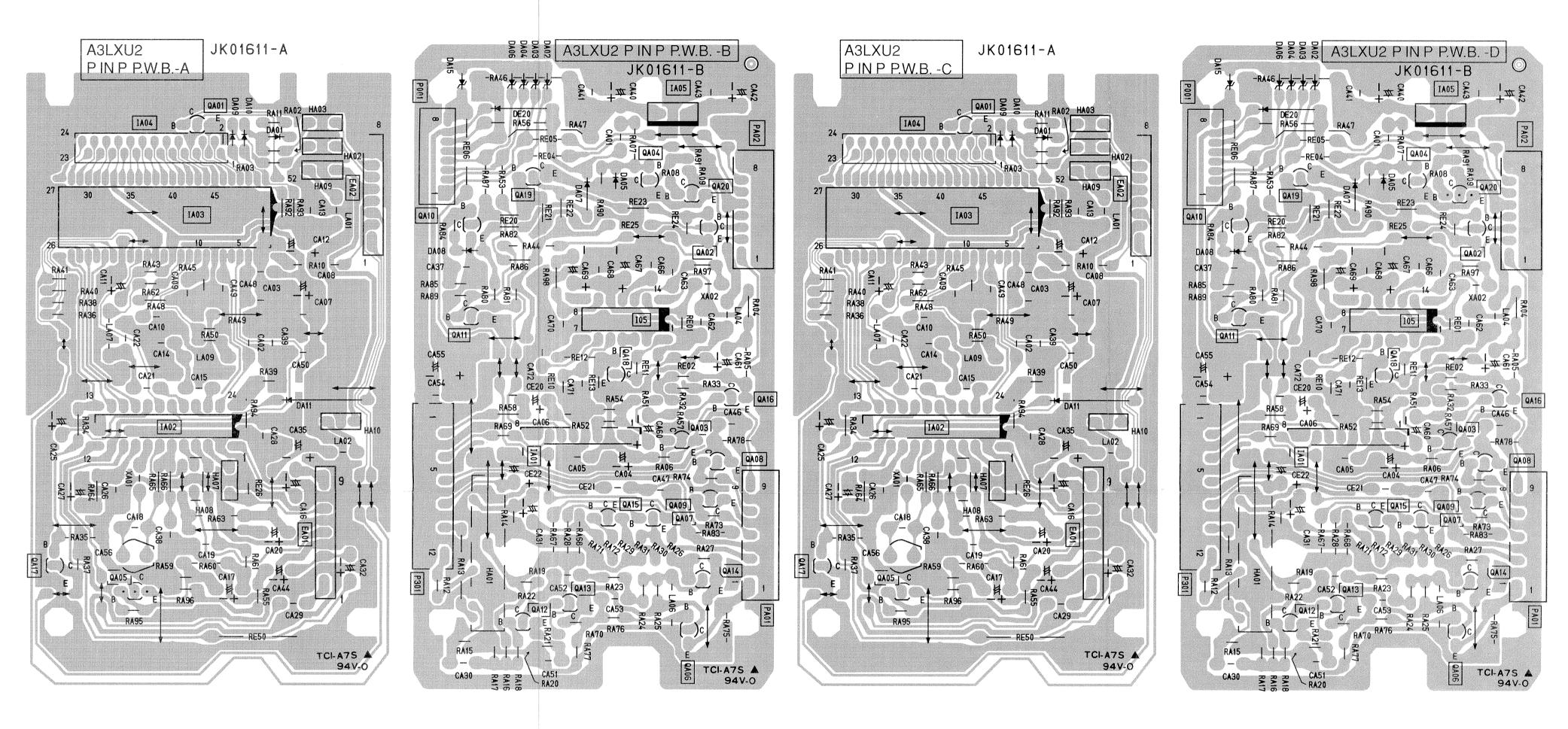




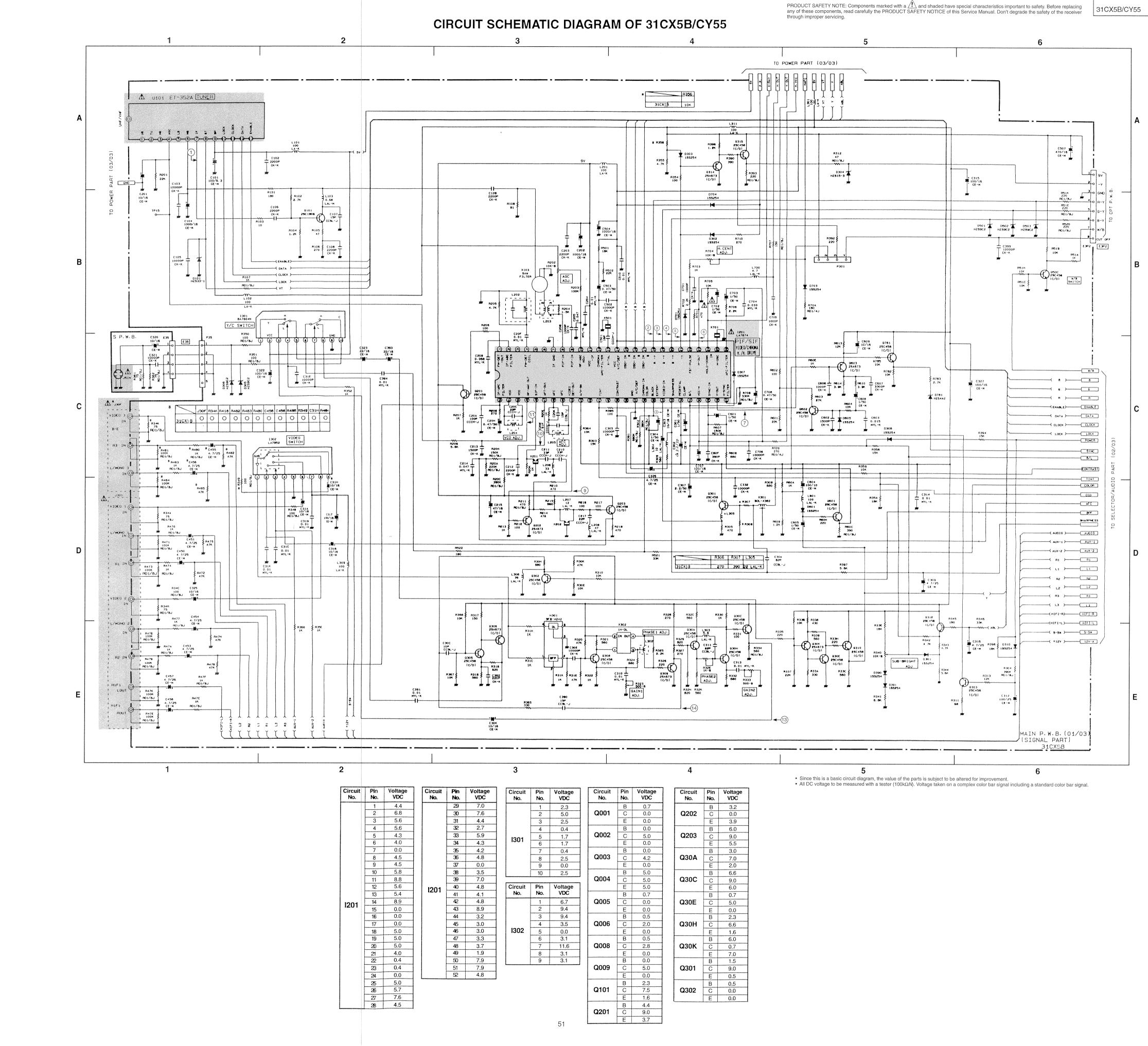
A3LXU2 MAIN P.W.B.

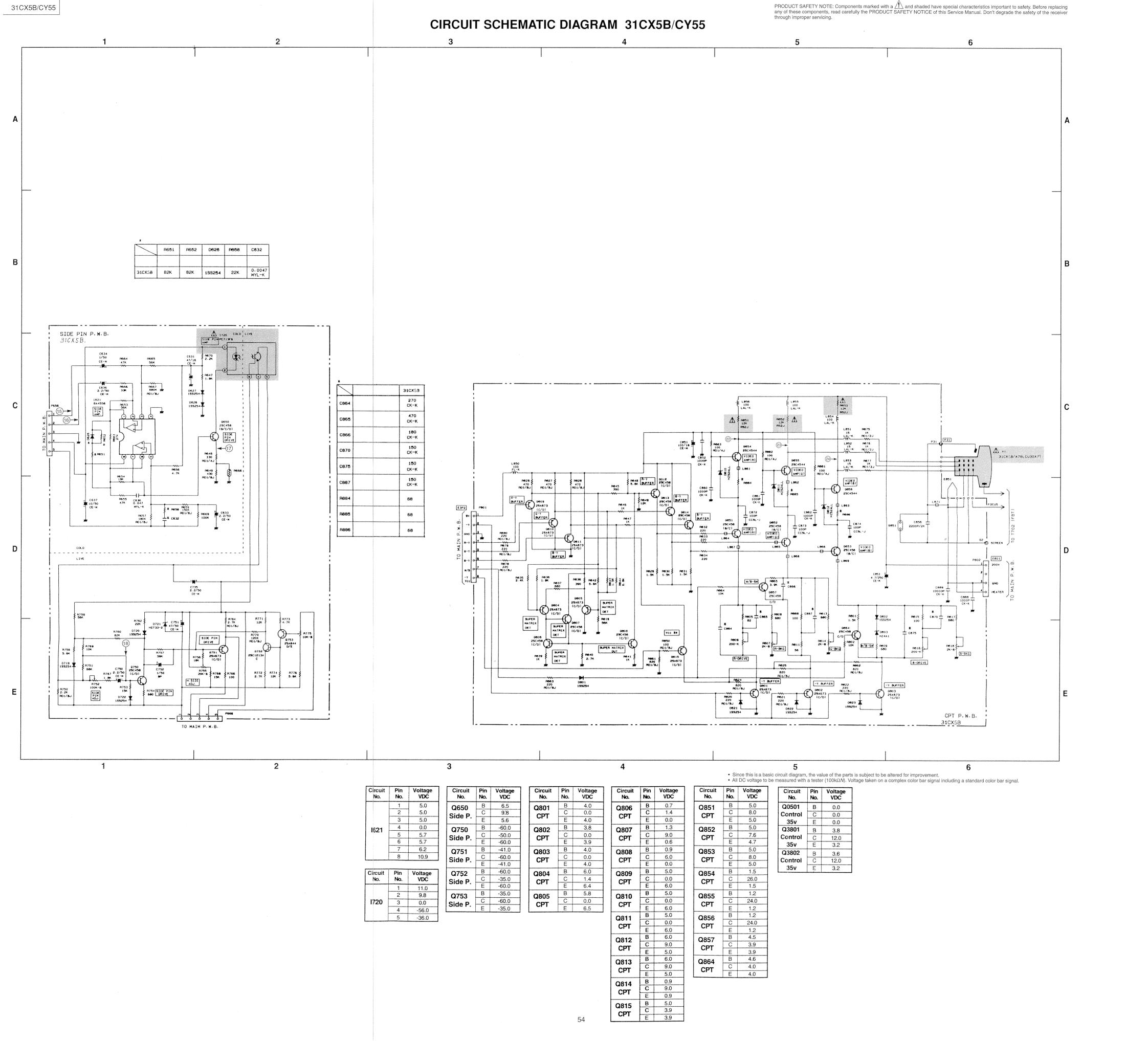


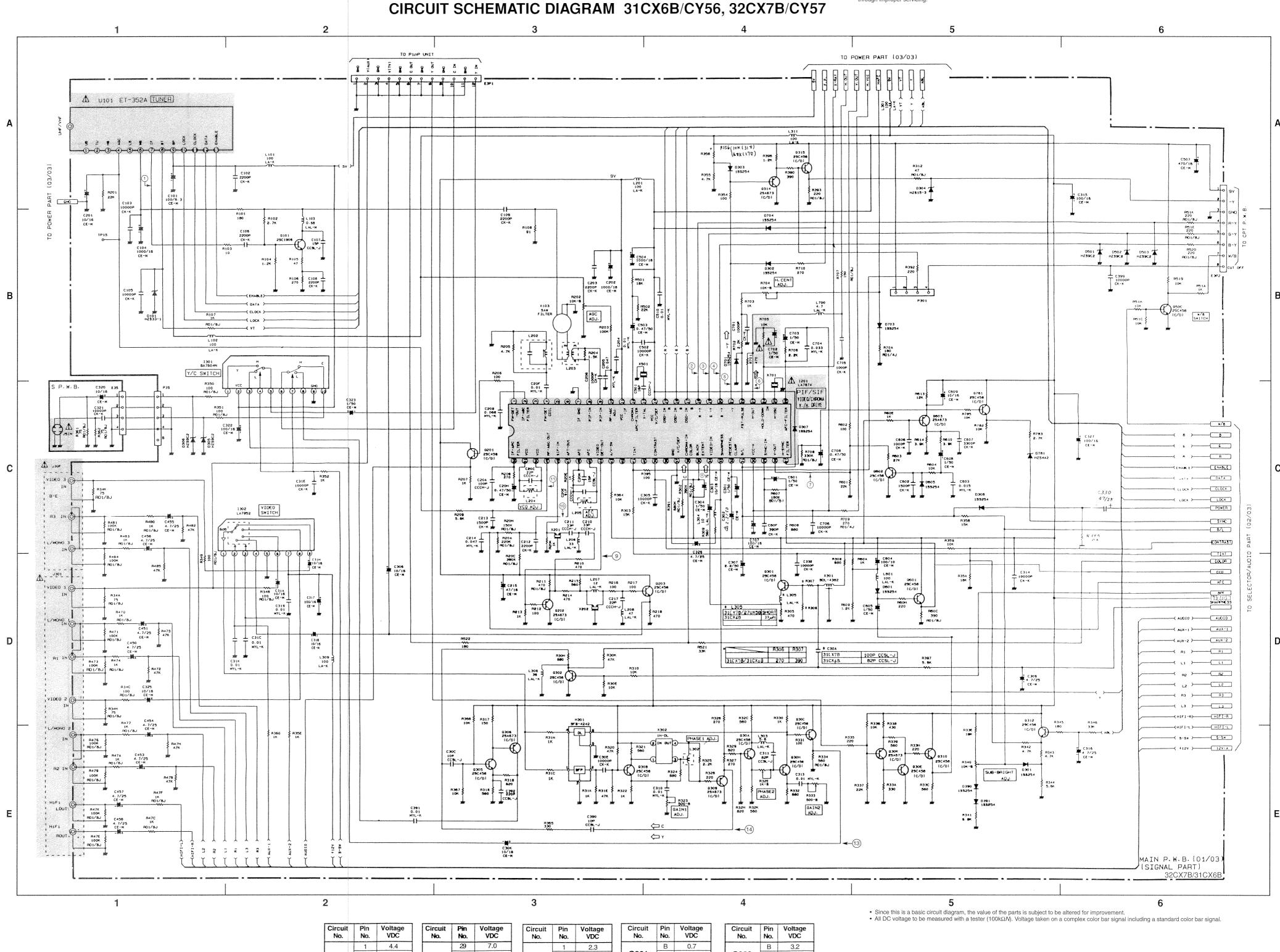
A3LXU2 P in P P.W.B.



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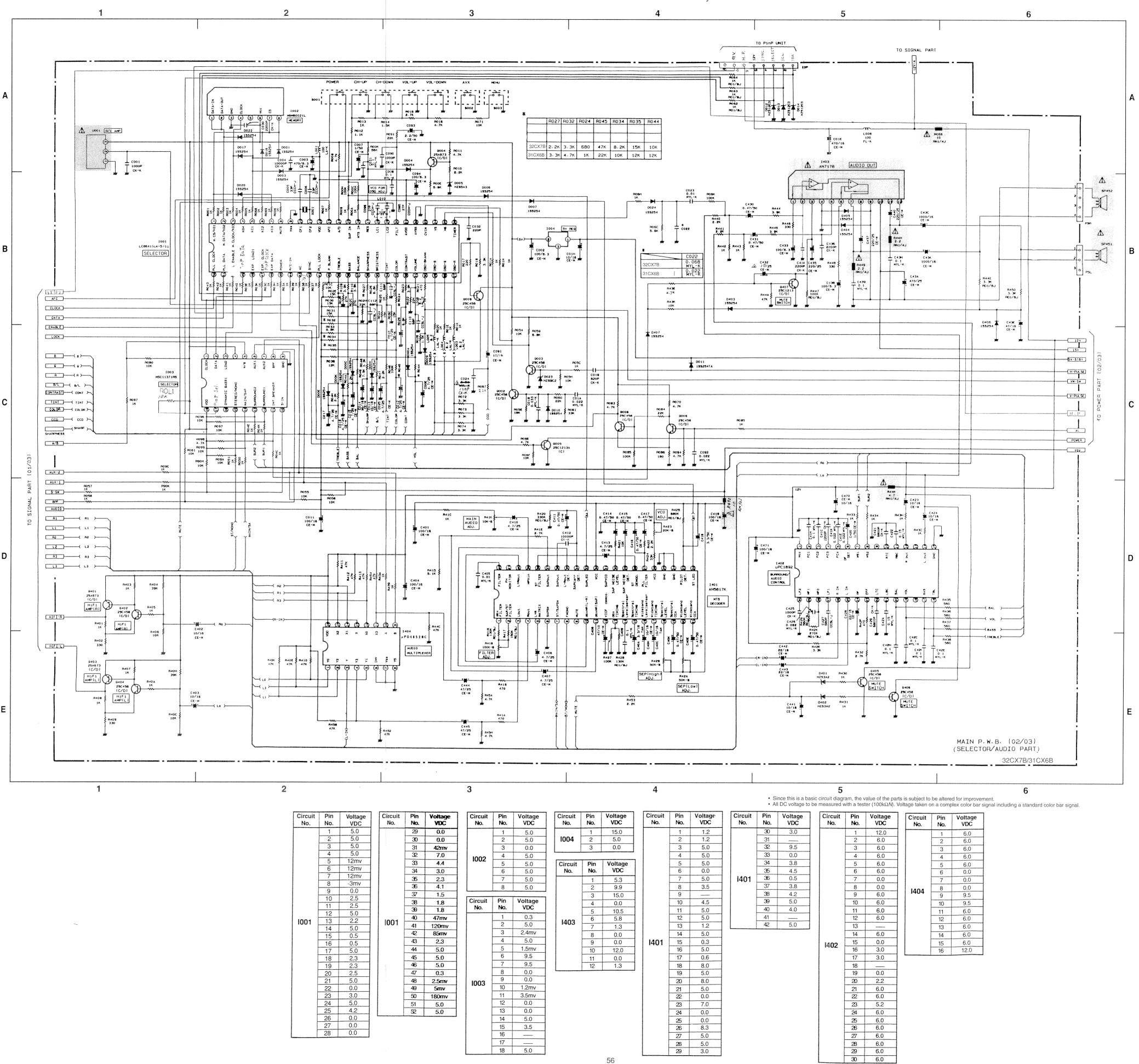


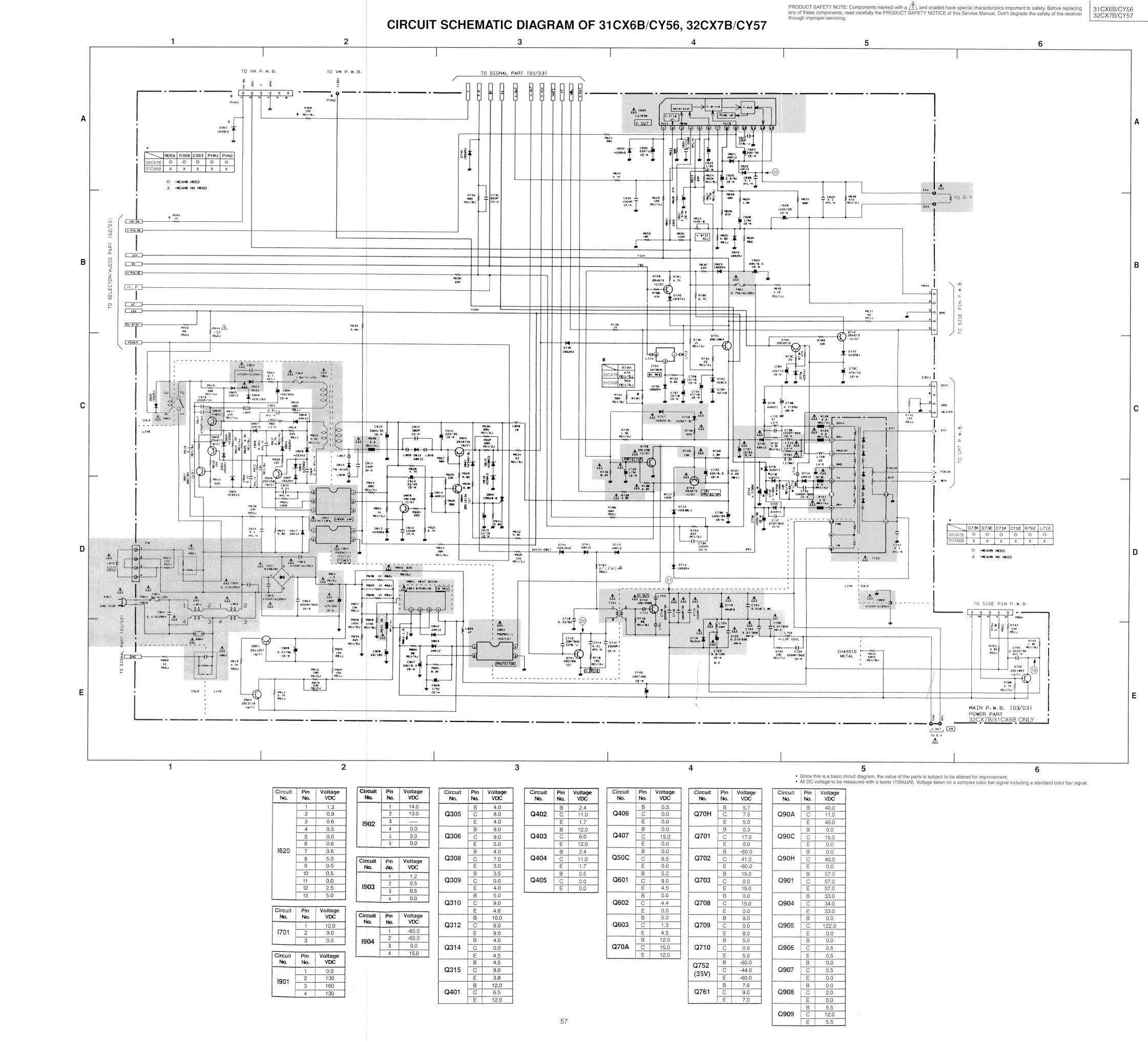


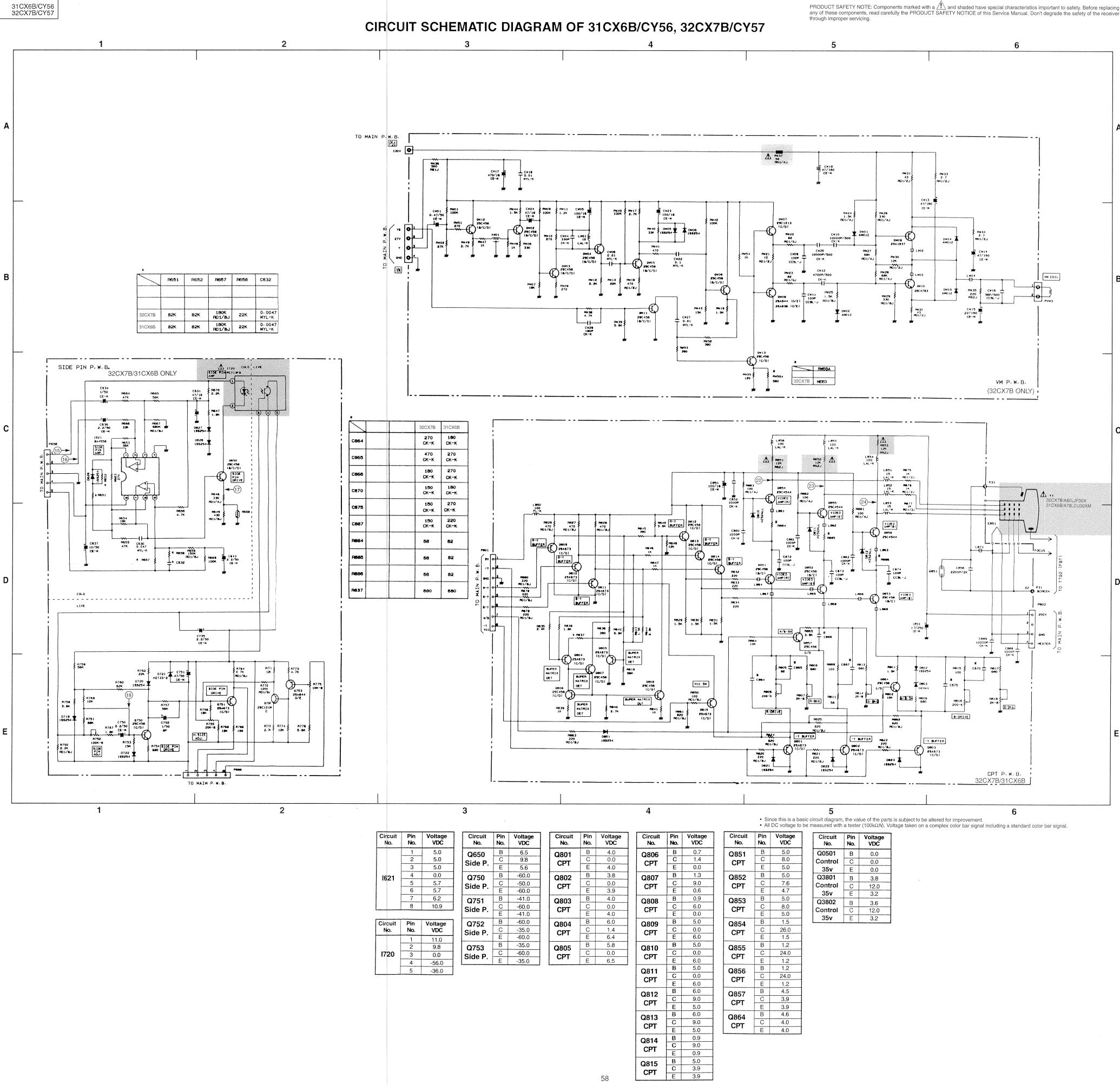


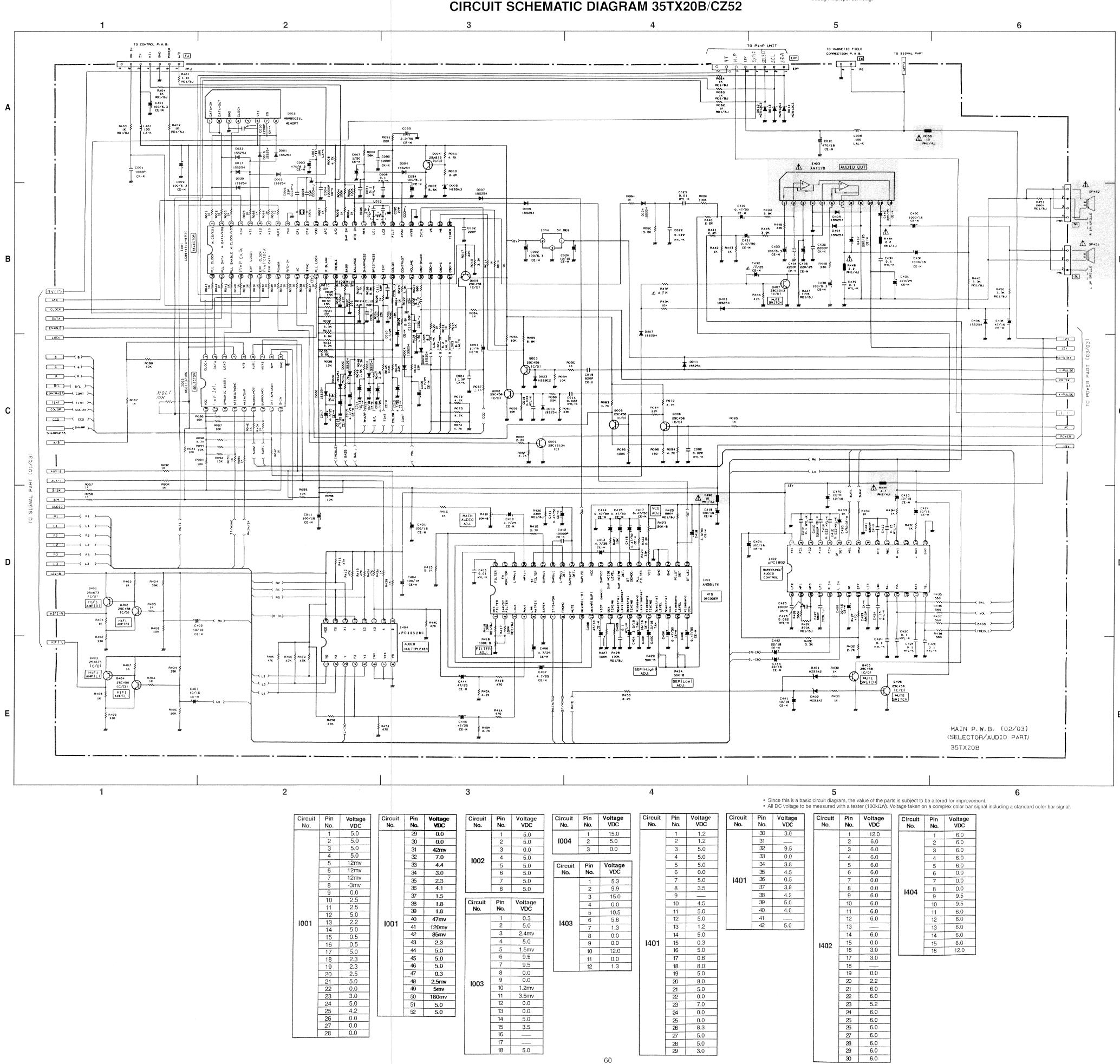
| Circuit No. | Pin No. | Voltage VDC | Circuit No. | Pin No. | Voltage VDC | | Circuit No. | Pin No. | Voltage VDC | | Circuit No. | Pin No. | Voltage VDC | Circuit No. | Pin No. | Voltage VDC |
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| | 1 | 4.4 | | 29 | 7.0 | | | 1 | 2.3 | | | В | 0.7 | | В | 3.2 |
| | 2 | 6.8 | | 30 | 7.6 |] | | 2 | 5.0 | | Q001 | С | 0.0 | Q202 | C | 0.0 |
| | 3 | 5.6 | | 31 | 4.4 | | | 3 | 2.5 | | | E | 0.0 | | E | 3.9 |
| | 4 | 5.6 | | 32 | 2.7 | | | 4 | 0.4 | | | В | 0.0 | | В | 6.0 |
| | 5 | 4.3 | | 33 | 5.9 | | 1301 | 5 | 1.7 | | Q002 | С | 5.0 | Q203 | С | 9.0 |
| | 6 | 4.0 | | 34 | 4.3 | | 1301 | 6 | 1.7 | | | E | 0.0 | | Е | 5.5 |
| | 7 | 0.0 | | 35 | 4.2 | | (Parallel San Carlo | 7 | 0.4 | | | В | 0.0 | | В | 3.0 |
| | 8 | 4.5 | | 36 | 4.8 | | THE PERSON NAMED IN COLUMN NAM | 8 | 2.5 | | Q003 | С | 4.2 | Q30A | С | 7.0 |
| : | 9 | 4.5 | | 37 | 0.0 | | Name of the last o | 9 | 0.0 | | | E | 0.0 | | E | 2.0 |
| | 10 | 5.8 | | 38 | 3.5 | | ÷- | 10 | 2.5 | | | В | 5.0 | | В | 6.6 |
| | 11 | 8.8 | | 39 | 7.0 | | L | | | | Q004 | С | 5.0 | Q30C | С | 9.0 |
| | 12 | 5.6 | 1201 | 40 | 4.8 | | Circuit | Pin | Voltage | | | E | 5.0 | | E | 6.0 |
| O CONTRACTOR OF THE CONTRACTOR | 13 | 5.4 | 1201 | 41 | 4.1 | | No. | No. | VDC | | В | 0.7 | | В | 0.7 | |
| 1201 | 14 | 8.9 | | 42 | 4.8 | | | 1 | 6.7 | | Q005 Q006 | С | 0.0 | Q30E | С | 5.0 |
| 1201 | 15 | 0.0 | | 43 | 8.9 | | | 2 | 9.4 | | | E | 0.0 | ALL PROPERTY OF THE PROPERTY O | E | 0.0 |
| | 16 | 0.0 | | 44 | 3.2 |] | | 3 | 9.4 | | | В | 0.5 | | В | 2.3 |
| | 17 | 0.0 | | 45 | 3.0 | | dissidence | 4 | 3.5 | | | С | 2.0 | Q30H | С | 6.6 |
| | 18 | 5.0 | | 46 | 3.0 | | 1302 | 5 | 0.0 | | | E | 0.0 | | E | 1.6 |
| | 19 | 5.0 | | 47 | 3.3 | | | 6 | 3.1 | | | В | 0.5 | | В | 6.0 |
| | 20 | 5.0 | | 48 | 3.7 | | | 7 | 11.6 | | Q008 | С | 2.8 | Q30K | С | 0.7 |
| | 21 | 4.0 | | 49 | 1.9 | | - | 8 | 3.1 | | | E | 0.0 | | Е | 7.0 |
| | 22 | 0.4 | | 50 | 7.9 | | | 9 | 3.1 | | | В | 0.0 | | В | 1.5 |
| | 23 | 0.4 | | 51 | 7.9 | | | | | | Q009 | C | 5.0 | Q301 | С | 9.0 |
| | 24 | 0.0 | | 52 | 4.8 | | | | | | | E | 0.0 | | Е | 0.5 |
| | 25 | 5.0 | | | | | | | | | | В | 2.3 | | В | 0.5 |
| | 26 | 5.7 | | | | | | | | | Q101 | С | 7.5 | Q302 | С | 0.0 |
| | 27 | 7.6 | | | | | | | | | | E | 1.6 | | Е | 0.0 |
| | 28 | 4.5 | | | | | | | | | | В | 4.4 | | | |
| | | | | | | | | | | | 0201 | C | 9.0 | | | |

CIRCUIT SCHEMATIC DIAGRAM OF 31CX6B/CY56, 32CX7B/CY57









CIRCUIT SCHEMATIC DIAGRAM 35TX20B/CZ52

