HITACHI

PA | No. 0054

35UX80B/CZ58
35UX70B/CZ57
35UX70BA/CZ57P
35TX79K/CZ56
32UX8B/CY58

R/C: CLU-951MP
CLU-415UI

SERVICE MANUAL

NTSC | A4LXU CHASSIS

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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SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

SOLID STATE COLOR TELEVISION

OCTOBER 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 cover-shields, 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.

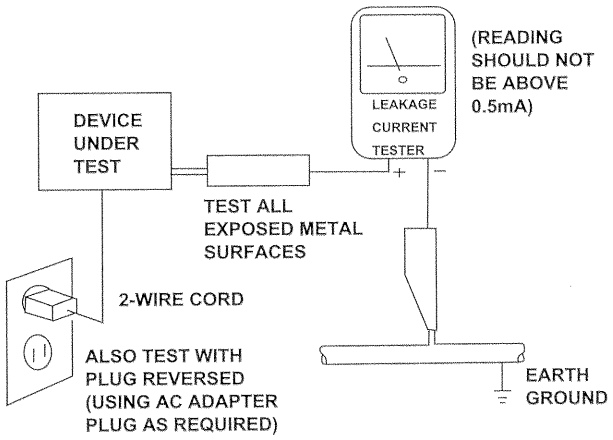
Therefore, the following checks should be performed for the continued protection of the customer and service technician.

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 0.24MΩ and a maximum resistor reading of 12MΩ . 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.

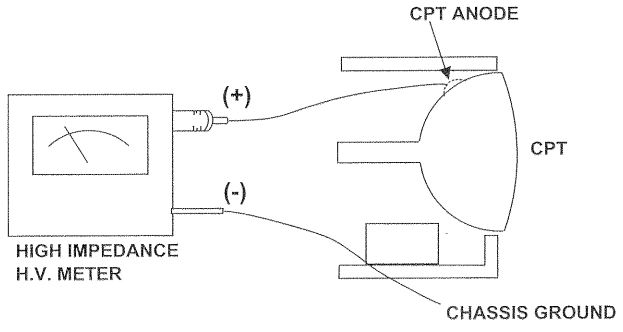
PRODUCT SAFETY NOTICE

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 ⚠ 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 ⚠ 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.

TECHNICAL SPECIFICATIONS

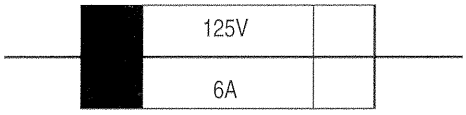
POWER RATINGS

35UX80B/CZ58 ..... 240 watts
35UX70B/CZ57 ..... 210 watts
35UX70BA/CZ57P ..... 210 watts
35TX79K/CZ56 ..... 210 watts
32UX8B/CY58 ..... 180 watts

PICTURE TUBE

35UX80B/CZ58 ..... A89AGF11X10
35UX70B/CZ57 ..... A89LED50X02(V)
35UX70BA/CZ57P ..... A89LED50X02(V)
35TX79K/CZ56 ..... A89LFL50X01(V)
A89KPP50X01(V)
32UX8B/CY58 ..... A80LJF30X

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



F901

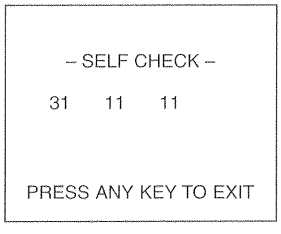
The rating of fuse F901 is 6.0A-125V.
Replace with the same type fuse for continued protection against fire.

SELF CHECK REPAIR CODES

Press the AVX and POWER buttons on the control panel at the same time.

CODE	DETECTION CONTENTS	DETECTION TIME	REMARK
40	Detection of abnormal deflection circuit		
41	Detection of abnormal +B line		
43	Detection of abnormal signal circuit		
10	Check for PLL lock	Not locked in 2 sec.	During selection time
11	Check for AFC operation	Not finished in 2 sec.	During selection time
60	Check for AC input	At uP reset time	AC input (50/60H) not detected at reset time
31	Check EEPROM operation	At uP reset time	Check for out of range operation

Note: Code 10 or 11 may appear if TV is turned on without an antenna source connected.

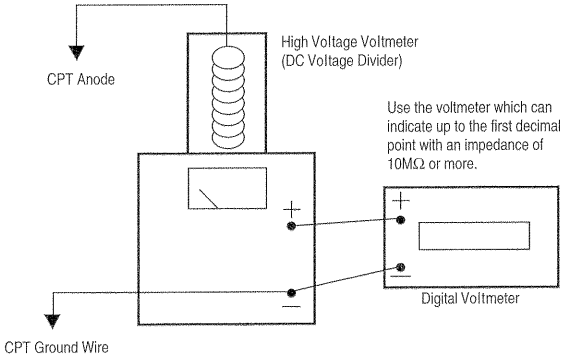


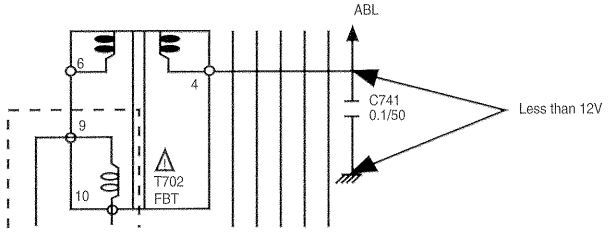
TECHNICAL CAUTIONS

High voltage limiter circuit operation check.

Adjustment Preparation

1. Connect a high voltage voltmeter between CPT anode terminal (anode capside) and the ground.
2. Set AC Input voltage to 120±3V.
3. Receive Circle Pattern or broadcast signal and set "BRIGHTNESS" and "CONTRAST" to maximum. Adjust the Screen VR so that Beam Current is 1B±0. 1 mA. (The voltage of ABL terminal -C741- should be 12V or less





Adjustment Procedure

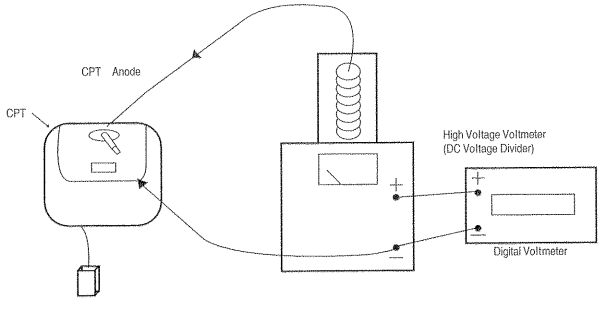
1. Check that the normal high voltage and +B voltage is as below.

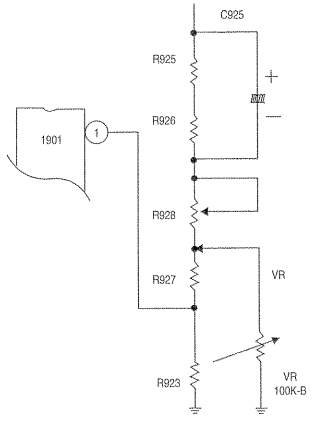
CHASSIS	E_{HT}	I_B	+B	E1
CZ58/CZ57/CZ57P/CZ56	30.0 (KV) ±1 KV	1.8 (mA) ±0.1 mA	130.0 (V) ± 0.3V	35.5 (KV) ±1.3 KV
CY58	29.2 (KV) ±1 KV	1.65 mA ±0.1 mA	130.0 (V)± 0.3V	34.0 (KV) ±1.3 KV

Adjustment Preparation

4. Set AC input voltage to 120±3V. Then, connect the VR (100K-B) to R927 and ground side as below.
   Note: At that time the value of VR should be maximum.

Use the voltmeter of 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). Reduce the VR value gradually, and check that the picture disappears when high voltage is E1. Immediately after checking that it disappears, turn off the set switch. Remove the VR 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. 0055 for additional technical information.

Note:

1. MAIN CHASSIS ASSEMBLY ADJUSTMENT is done with precision equipment. Readjustment is only recommended if the service technician replaced a defective component related to the circuit.
2. 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.

I. ASSEMBLED P.W.B. ADJUSTMENT

1. POWER SURROUND P.W.B. ADJUSTMENT (IF MTS CIRCUIT)

1-1 IF adjustment

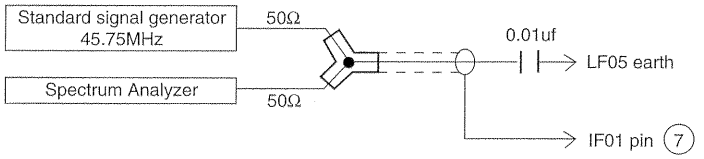
1-1-1 AGC Coarse Adjustment (RF15)

Set adjustment VR (FR15) to mechanical center.

1-1-2 VCO Adjustment (LF05)

Adjustment Preparation

(1) Apply 9.0±0.1V to PIFB pin (1).
(2) Connect IF01 pin (13) to GND.
(3) Connect the following jig and pick up VCO oscillation leakage voltage.



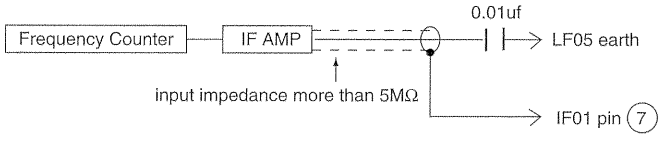
Adjustment Procedure

(1) Adjust LF05 so that VCO frequency detected by spectrum analyzer is 45.75MHz$^{+0}_{-50}$ KHz. (Match the output level of standard signal generator ot the level of VCO oscillation leakage voltage and adjust LF05 to take 0 beat.)
Note: Perform this adjustment after VCO frequency is stabilized.

1-1-2 VCO Adjustment (LF05) (Another method)

Adjustment Preparation

(1) Apply 9.0±0.1V to PIFB pin (1).
(2) Connect IF01 pin (13) to GND.
(3) Connect the following jig and pick up VCO oscillation leakage voltage.



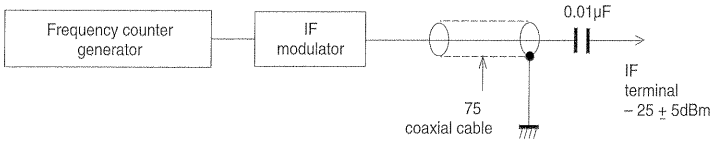
Adjustment Procedure

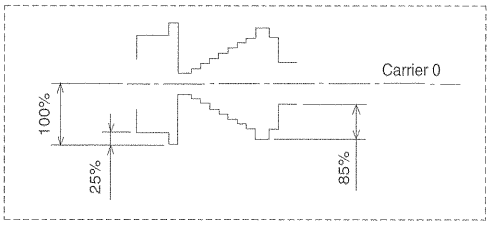
(1) Adjust IF01 so that the reading of the frequency counter is 45.75MHz$^{+0}_{-50}$ KHz.
Note: Perform this adjustment after VCO frequency is stabilized.

1-1-3 AFS Discrimination (LF06) Adjustment

Adjustment Preparation

(1) Input signal. Apply the following signal to the terminal:





(2) Apply 9.0±0.1V to the BM terminal.
(3) Connect the DC voltmeter (internal impedance of 1MΩ or more) to the IF01 pin (14) output terminal.

Adjustment Procedure

(1) Turn LF06 and check that the reading to the DC voltmeter changes from 0.5V or less at 8.0V or more.
(2) Adjust LF06 and set so that the reading of the voltmeter is 6.0±0.5V within the core position range that the voltage is rapidly changed.

1-1-4 SIF Discrimination (LF10) Adjustment

Adjustment Preparation

(1) Input signal. Apply the following signal to the terminal.

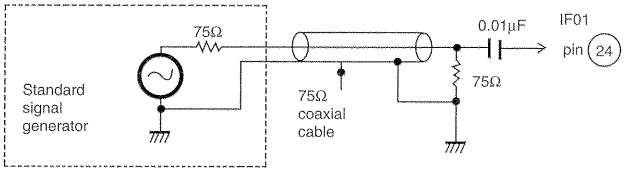


Table 1

Carrier frequency	4.5 MHz±5KHz
Modulation frequency	400Hz
Modulation	FM 50% (12.5KHz Dev.)
Output level (SG)	-25±3dBm
Connection point of the measuring device	4.5MHz±5KHz
DC voltage at AUDIO OUT	4.0±0.5V

(2) Apply DC 9.0±0.1V to the PIFB pin (1).
(3) Internal signal can be used as an input signal. (In this case, audio 400Hz, 50% modulation. All other adjustments must be completed.)

Adjustment Procedure

(1) Adjust LF10 to set the DC voltage at AUDIO OUT to the value shown in Table 1.

II. MAIN CHASSIS ASSEMBLY ADJUSTMENT

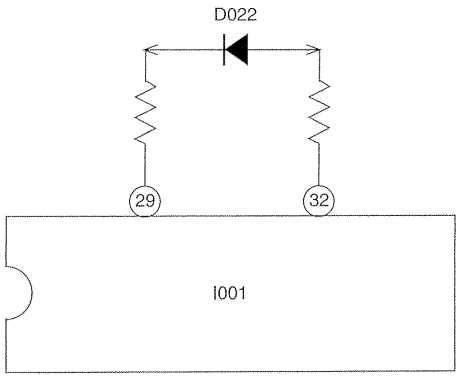
1. SIGNAL BLOCK ADJUSTMENT

1-1 Setting Mode

1-1-1 Memory Initialize

Adjustment Preparation

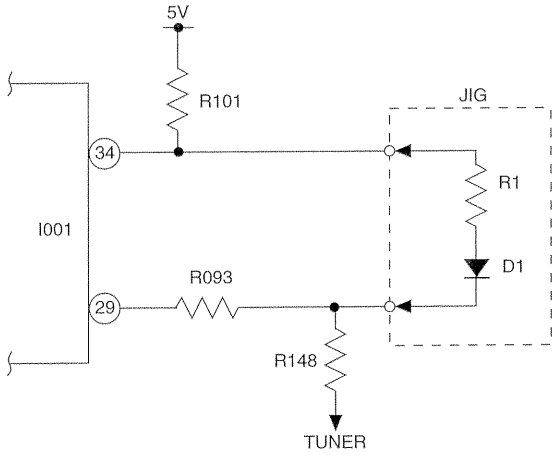
(1) Connect the jig (D022) shown as follows between I001 (29) and (32). (Connect PI2 (1)—(2) Pin.)



(2) After memory-initialize operation, check that the CTV receives the Channel 03.
Note: Do not draw out the outlet or perform any key operation. After this operation, each setting should become to delivery setting automatically.

1-1-2 I²C Bus Off Mode

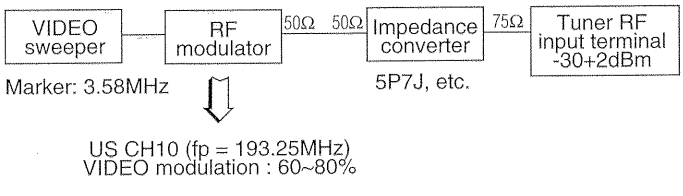
Connect R1 (1KΩ), D1 (1SS254) as follows.



1-2 VIDEO waveform characteristics adjustment

Adjustment Preparation

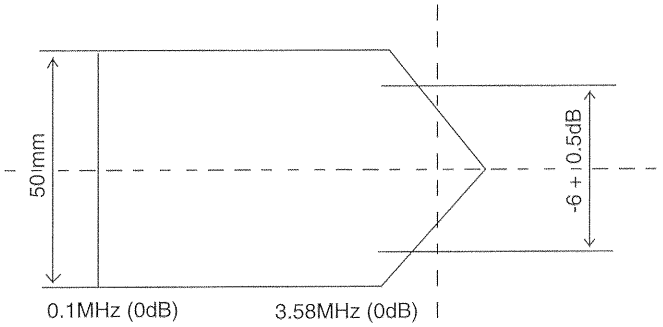
(1) This adjustment should be done after assembled IF/MTS PWB into main P.W.B.
(2) Input signal. Apply the following signal to the tuner RF input terminal.



(3) Connect the oscilloscope to PIFB ⑥ (VIDEO OUT) of IF section.
(4) Apply DC 9.0±0.1V to the C039 ⊕ to GND.
(5) Apply DC 9.0±0.1V to ENH3 pin ⑤. Then I001 pin ⑥1 should be 5V).
(6) Apply DC 45.0±1V to C736 ⊕ to GND (then C038 voltage should be 30V or more).
(7) Initialize memory.
(8) Receive color bar signal.
(9) Short PI2 Pin ① and ② (AFC off).

Adjustment Procedure

(1) Observe the waveform level of the oscilloscope screen and turn the core of tuner IFT COIL so that the following specification is satisfied at U.S. Channel 10.
(2) Turn the tuner IFT COIL so that the following specification is satisfied at U.S. Channel 14 (UHF).



1-3 MTS demodulating circuit adjustment

(1) Select I²C bus off mode by JIG. (See Item 1-1-2).
(2) Connect power.
(3) Press the "POWER" button while pressing the "VOLUME DOWN" button and select "MTS ADJ" mode as shown.

INITIAL DATA as follows:		
INITIAL SET	:	□
INPUT LEVEL	:	20
ST VCO	:	20
FILTER	:	3F
SEPARATION (L)	:	20
SEPARATION (H)	:	20
SAP VCO	:	20

(4) Select the "INITIAL SET" to set each adjusted data to initial data.
(5) Check +9±0.5V on point.
① PIFA pin ①.
② Tuner +B.

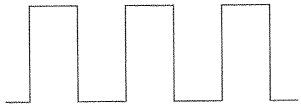
1-3-1 ST VCO Adjustment

Adjustment Preparation

(1) Select the "ST VCO" on "MTS ADJ" mode.
(2) Connect a frequency counter to IA01 pin ㉖ R-OUT.
Note: Use the probe of 1:1
Probe standard Ri≥1MΩ, Ci≤15pF
(3) The input of IA01 pin ⑦ AUDIO in is no signal.

Adjustment Procedure

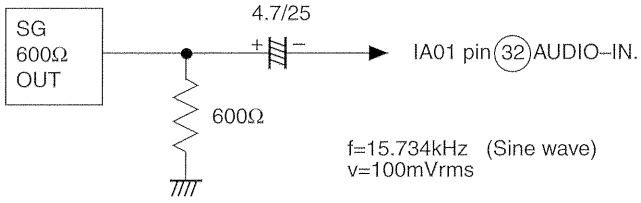
(1) Adjust the data band set to 15.734±0.1kHz by a frequency counter.
Note: Variable range of data: 00~3F (HEX).
Wave form of IA01 pin ㉖ R-OUT.



1-3-2 Filter Adjustment

Adjustment Preparation

(1) Select the "FILTER" on "MTS ADJ" mode.
(2) Apply a signal to IA01 pin (7) AUDIO in with the jig shown as follows.



(3) Connect an oscilloscope to IA01 pin (26) R-OUT.

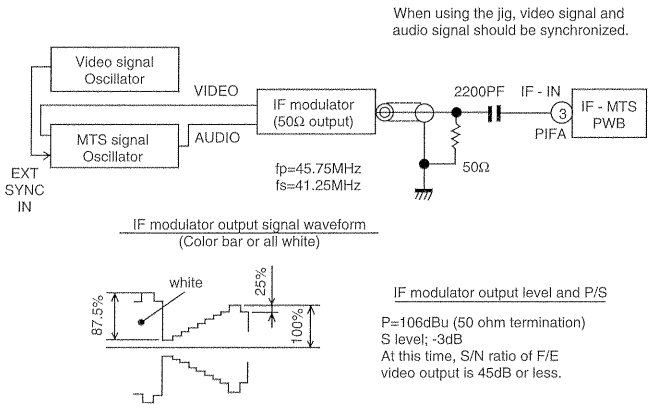
Adjustment Procedure

(1) Adjust the data so that the wave form of IA01 pin (26) R-OUT is minimum.
Note: Variable range of data: 00~3F (HEX).

1-3-3 Separation Adjustment (Low)

Adjustment Preparation

(1) Select the "INPUT LEVEL" on "MTS ADJ" mode.
(2) Apply the signal to pin (3) of MAIN PWB using the jig shown below.



Sound Modulation Condition

- Noise reduction encoder : ON
- Stereo signal : (1) R=0 (L only), 300Hz, 30% modulation (see note).
  (2) R=0 (L only), 3KHz, 30% modulation (see note).
- Monaural signal: (3) monaural, 400Hz, 100% modulation (PRE-EN OFF).
- SAP signal : (4) SAP, 300Hz, 30% modulation (see note).

Note 1: Use the sound modulator with a frequency characteristic within +1% during 50Hz~100KHz.
Note 2: Turn off the noise reduction encoder (NR) and set the modulation degree to 30%, and then turn the NR. Set the modulation degree output to low frequency signal generator. Leave the sound modulator VR of the IF modulator as it is.

(3) Connect an AC voltmeter to IA01 pin (26) R-OUT.

Adjustment Procedure

(1) Select sound input signal (3) and, adjust the data to 500±10mVrms of Vo.
Note: Variable range of Data: 00~3F (HEX).

1-3-4 Separation Adjustment (High)

Adjustment Preparation

(1) Connect an oscilloscope to IA01 pin (26) R-OUT.
(2) Same as in item 1-3-3 (2).
(3) Set "MTS" to "STEREO".

Adjustment Procedure

(1) Select the "SEPARATION (L)" on "MTS ADJ" mode.
(2) Select sound input signal (1) and adjust the data so that 300Hz level is minimum.
Note: Variable range of data: 00~3F (HEX).
(3) Select the "SEPARATION (H)" on "MTS ADJ" mode.
(4) Select sound input signal (2) and adjust the data so that 3KHz level is minimum.
Note: Variable range of data: 00~3F (HEX).
(5) Repeat (1) and (4).
Note: • Adjustment precision: within +1dB from minimum point.
• "STEREO" should be displayed on the screen.

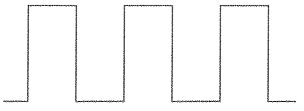
1-3-5 SAP VCO Adjustment

Adjustment Preparation

(1) Select the "SAP VCO" mode.
(2) Connect a frequency to IA01 pin (26) R-OUT.
Note: • Use the probe of 1:1.
• Probe standard Ri≥1MΩ, Ci≤15pF.
(3) The input of IA01 pin (7) AUDIO in is no signal.

Adjustment Procedure

(1) Adjust the data to 78.67±0.5KHz by a frequency counter.
Note: • Variable range of data: 00~3F (HEX).
• Wave form of IA01 pin (26) R-OUT.



1-3-6 SAP Reception Check

Adjustment Preparation

(1) Same as in item 1-3-3 (2).
(2) Connect an oscilloscope to IA01 pin (26) R-OUT.
(3) Set "MTS" to "SAP".

Adjustment Procedure

(1) Select an audio input signal (1). The output level at this time is represented by VST.
(2) Select an audio input signal (4). Check that the output level at this time is almost the same as VST. ("SAP" should be displayed at this time.)

1-4 AFC Operation Check

Adjustment Preparation

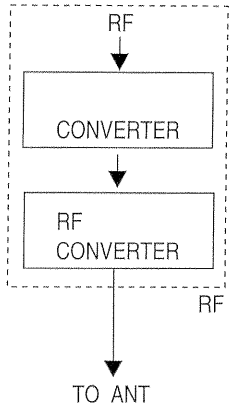
(1) Connect the jig as shown to the ANT terminal.

Adjustment Procedure

(1) Receive a standard carrier signal (not offset) with the channel UP/DOWN or direct selection buttons. Check that is pulled into the standard tuning point.
(2) Receive an offset signal of ±1.5MHz. Check that it is pulled into the standard tuning point. (Perform the channel selection operation again.)
(3) 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)



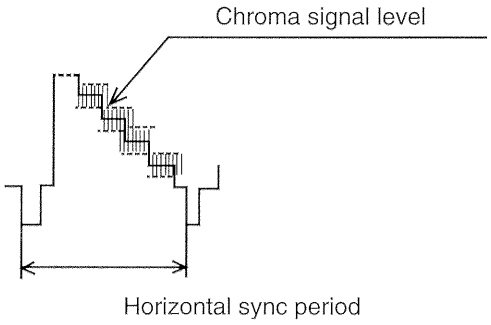
1-5 Comb Filter Adjustment Check

Preparation for Adjustment

(1) Receive the color bar signal at the regular tuning point.
(2) Connect an oscilloscope to the emitter of Q312.
(3) Set the contrast to maximum (+31) and set the other controls to center.
(4) Set the AI to off.

Adjustment Procedure

(1) Check that the residual chroma signal level is 50mVp-p or less.
Note: The chroma signal level is the point shown below.



Remarks:
Use a 10:1 probe.
Use an oscilloscope with a 20mV/div. resolution.

1-6 Channel Selection and Operation Check of Each Key

1-6-1 On-Screen Display Position Check

Preparation for Adjustment

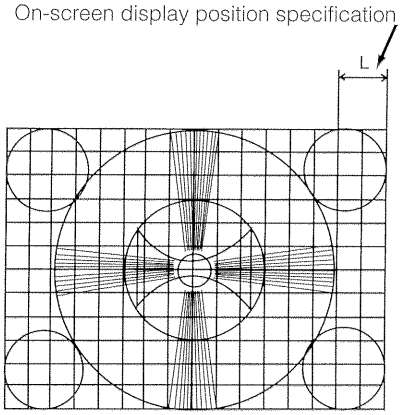
(1) Receive a circle pattern signal.
(2) Press the [RECALL] button of the remote control transmitter to display the channel number.

Adjustment Procedure

(1) Check that the right end of the displayed number is at the position shown below.

SIZE	L mm
35V	85±10
32V	70±10

On-screen display position specification



1-6-2 Remo-Con Operation Check

1-6-2-1 Direct Channel Selection

Adjustment Procedure

(1) Input a channel number using the "0" to "9" buttons. Check that the input number matches the displayed channel number, and also the picture received matches the channel number.

1-6-2-2 LST-CH

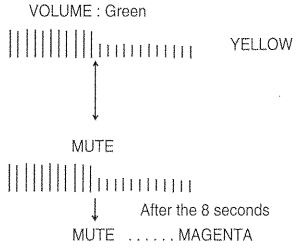
Adjustment Procedure

(1) Check that the channel being received alternates with the channel received immediately before every time the LST-CH button is pressed.

1-6-2-3 MUTE

Adjustment Procedure

(1) Check that sound alternates between mute and normal every time the MUTE button is pressed.



1-6-2-4 RECALL

Adjustment Procedure

(1) Check that the On-Screen Display is turned ON and OFF alternately every time the RECALL button is pressed.

1-6-3 Channel Selection Operation Check

1-6-3-1 POWER

Preparation for Adjustment

(1) Set so that the VHF/UHF/CATV signal can be received.

Adjustment Procedure

(1) Every time the POWER button is pressed, the power should alternate between ON and OFF.

1-6-3-2 CH UP/DOWN

Adjustment Procedure

(1) Every time the CH UP (▲) or CH DOWN (▼) button is pressed, the normal reception should be displayed for VHF, UHF and CATV.
★ Check that the On-Screen Display corresponding to the received contents can be displayed.
★ ANT indication color. (For 35UX80B only)

ANT	CH Display Color
V/U	Green
AUX	Yellow

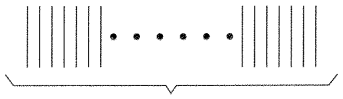
1-6-3-3 VOL UP/DOWN

Adjustment Procedure

(1) Every time the VOL UP (▲) or VOL DOWN (▼) button is pressed, the volume should increase/decrease continuously.

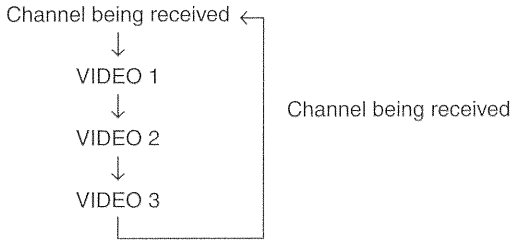
★ Check that the On-Screen Display changes.

VOLUME : green



1-6-3-4 AVX Selection

(1) Every time the AVX selection button is pressed, the input of the picture displayed on the screen changes in sequence as shown below.

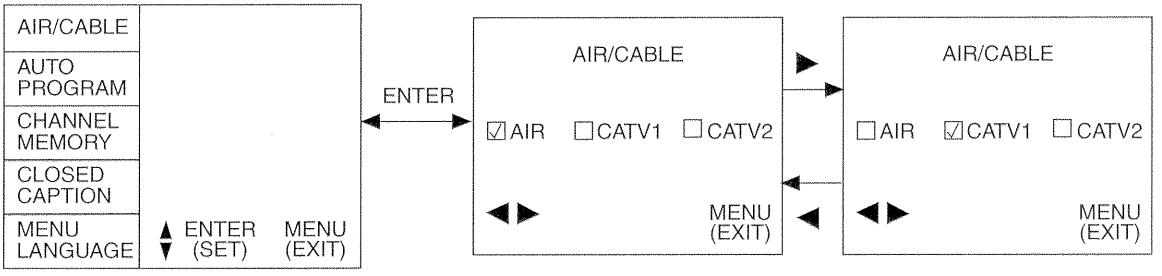


★ Check that the contents of the picture displayed on the screen matches the current On-Screen Display.

★ With VIDEO 1 and VIDEO 3, if the S input is used, "(S-IN)" is displayed.

1-6-3-5 Set Up Mode

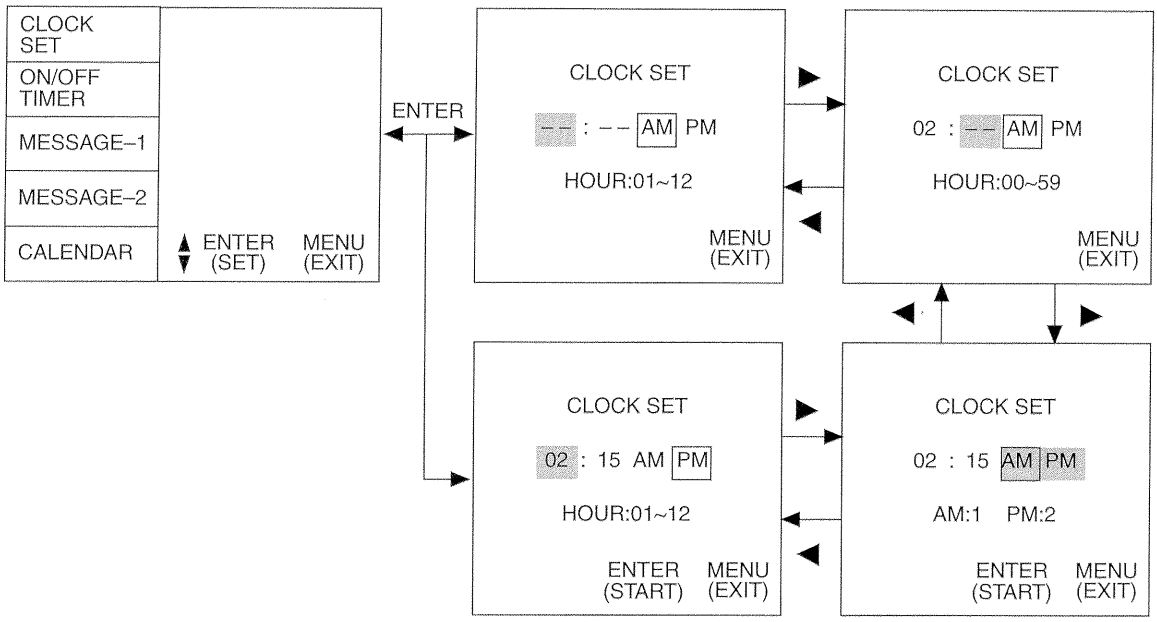
No.	Item	Specification		Remarks
1	SET UP MODE	(1)	Press the ENTER button to select AIR/CABLE mode.	
	AIR/CABLE	(2)	The mode should change the AIR mode, the CATV mode or the CATV2 mode using the ◀▶ button.	
			The band received should match the display on the screen.	

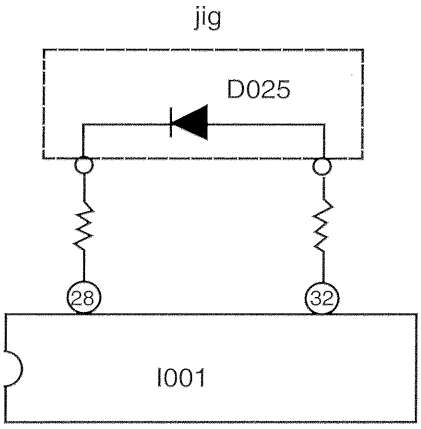


1-6-3-6 Clock Set

No.	Item	Specification		Remarks
1	CLOCK MODE	(1)	Press the ENTER button to set CLOCK SET mode.	
	CLOCK SET	(2)	The CLOCK SET should be set using the 0~9 button. And the clock is started using the ENTER button.	
		(3)	Connect the jig. D025 to I001 between pin (28) and pin (32).	*The addition of a diode intends to check counting operation as 60 times mode.
		(4)	Check that the clock indication is displayed using the RECALL button. And the clock indication is going by 1 second per minute.	

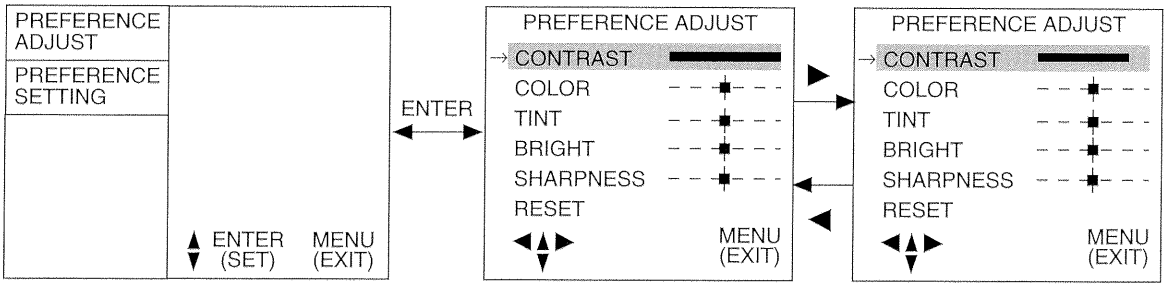
1-6-3-6 Clock Set





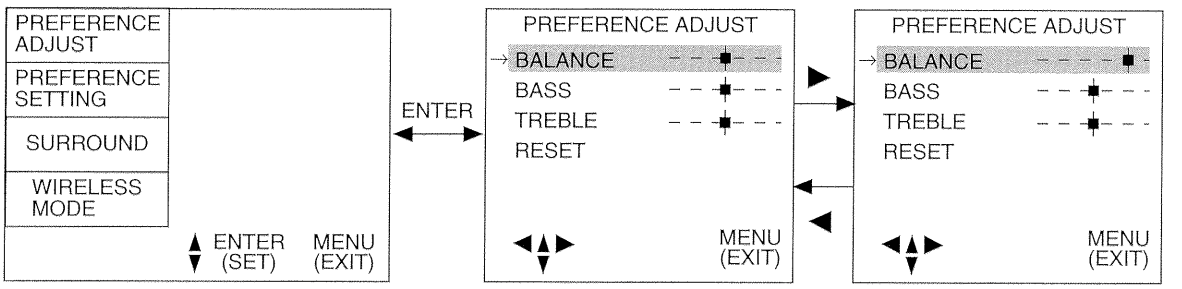
1-6-3-7 Video Mode

No.	Item		Specification	Remarks
1	VIDEO MODE	(1)	Press the ENTER button to select PREFERENCE ADJUST mode.	
	PREFERENCE ADJUST	(2)	The CONTRAST is changed by the ◀ ▶ button. ▶ : Gets stronger ◀ : Gets weaker	
		(3)	The COLOR is changed by the ◀ ▶ button. ▶ : Gets denser ◀ : Gets thinner	
		(4)	The TINT is changed by the ◀ ▶ button. ▶ : Gets greenish ◀ : Gets reddish	
		(5)	The BRIGHT is changed by the ◀ ▶ button. ▶ : Black rises ◀ : Black sinks	
		(6)	The SHARPNESS is changed by the ◀ ▶ button. ▶ : Gets harder ◀ : Gets softer	
		(7)	RESET: Press the ENTER button to return PREFERENCE ADJUST function to factory settings.	



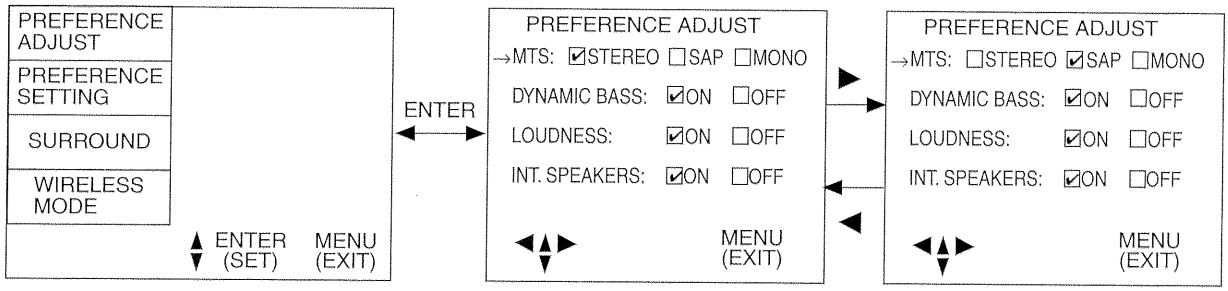
1-6-3-8 Audio Mode

No.	Item		Specification	Remarks
1	AUDIO MODE	(1)	Press the ENTER button to select PREFERENCE ADJUST mode.	
	PREFERENCE ADJUST	(2)	The BALANCE is changed by the ◀ ▶ button. ▶ : Sound balance moves to right ◀ : Sound balance moves to left	
		(3)	The BASS is changed by the ◀ ▶ button. ▶ : Bass is emphasized ◀ : Bass is suppressed	
		(4)	The TREBLE is changed by the ◀ ▶ button. ▶ : Treble is emphasized ◀ : Treble is suppressed	
		(5)	RESET: Press the ENTER button to return PREFERENCE ADJUST function to factory settings.	



1-6-3-8 Audio Mode

No.	Item		Specification	Remarks
2	PREFERENCE SETTING	(1)	Press the ENTER button to select PREFERENCE SETTING mode.	
		(2)	When the MTS is selected STEREO, SAP or MONO using the ◀▶ button, the output sound changes.	
		(3)	When the DYNAMIC BASS is selected ON or OFF using the ◀▶ button, the BASS is emphasized when ON.	
		(4)	When the LOUDNESS is selected ON or OFF using the ◀▶ button, the BASS and TREBLE are emphasized when ON.	
		(5)	The INT. SPEAKERS could be selected ON or OFF using the ◀▶ button.	



1-6-3-9 Preparation for SURROUND Check

Set the AUDIO modes as follows.

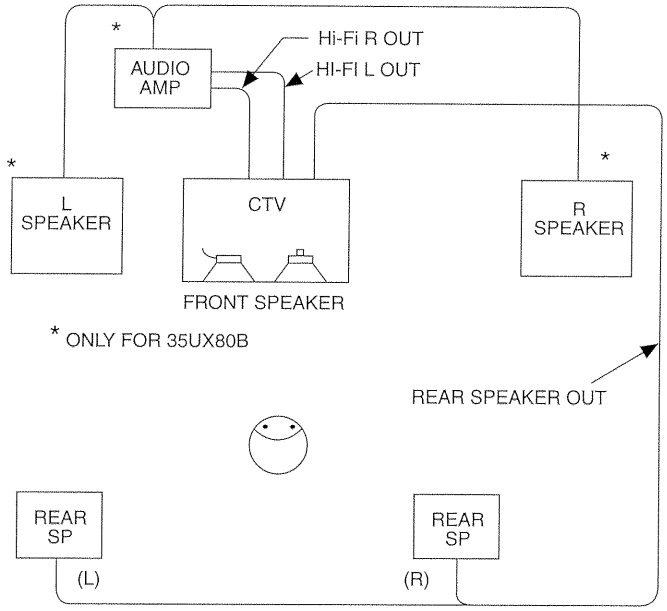
BASS	:	CENTER
TREBLE	:	CENTER
BALANCE	:	CENTER
INT. SPEAKER	:	ON
DYNAMIC BASS	:	OFF
SURROUND	:	DOLBY PRO LOGIC (ONLY FOR 35UX80B)
	:	DOLBY SURROUND (EXCEPT FOR 35UX80B)
LOUDNESS	:	OFF

Set so that each level of the following outputs can be monitored from their waveforms.

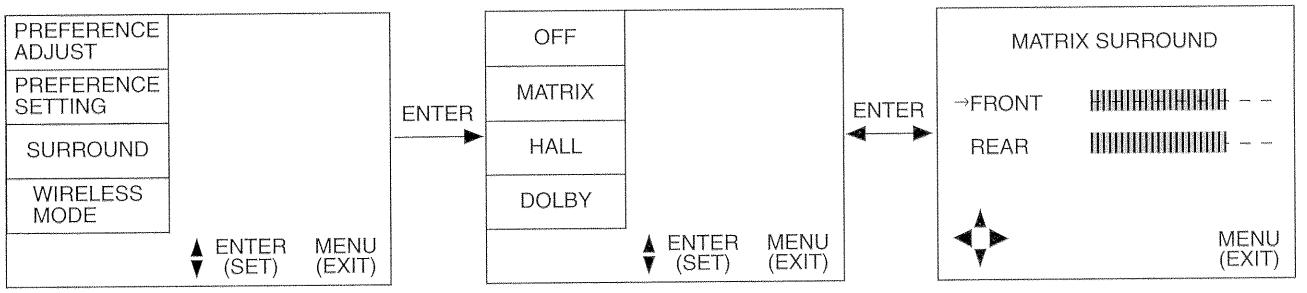
* FRONT SPEAKER (L output, R output

REAR SPEAKER (L output, R output

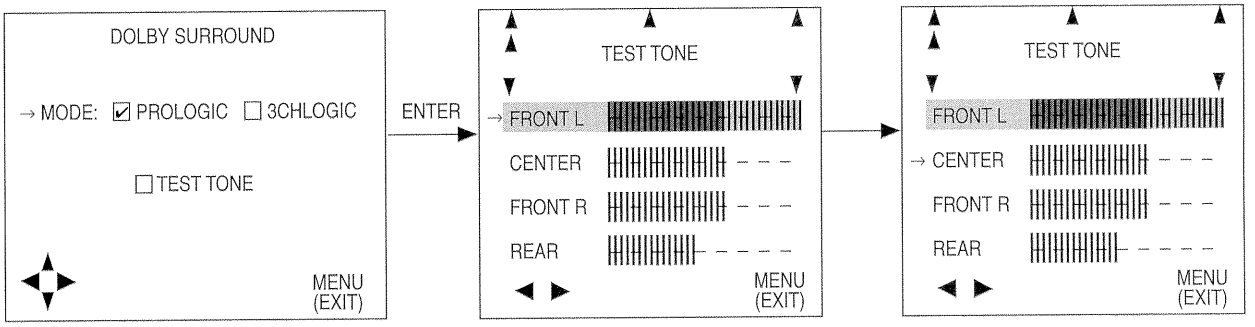
AUDIO TO HI-FI (L output, R output



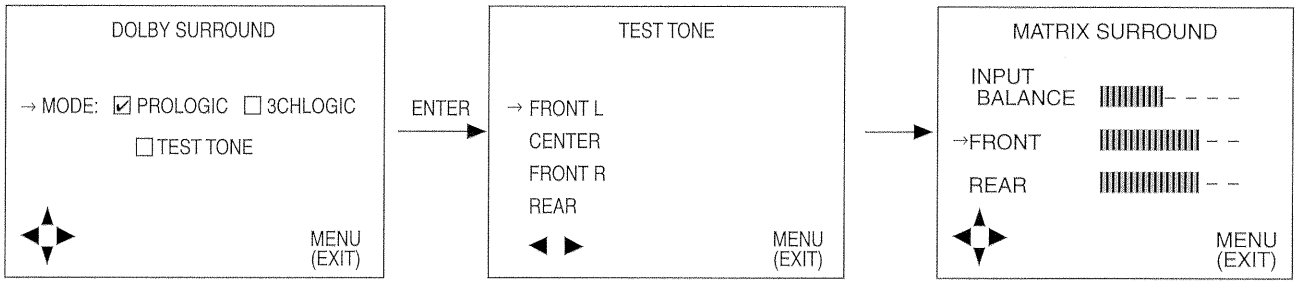
No.	Item		Specification	Remarks
3	SURROUND EXCEPT FOR 35UX80B	(1)	Press the ENTER button to select SURROUND mode.	
		(2)	The SURROUND mode could be selected OFF, MATRIX, HALL or PRO LOGIC using the ▲▼ button.	
		(3)	MATRIX, HALL Mode operation. ① Press the ENTER button to change volume setting mode. The REAR volume could change using the ◀▶ button. ② The range of the REAR volume could be set as follows. $0 \leq \frac{\text{REAR volume}}{\text{FRONT volume}} \leq 4$ It is not possible that the REAR volume is more than 4 times the FRONT volume. ③ The FRONT volume could be changed using the ◀▶ button. The FRONT and REAR volume should change according to keep the rate of (REAR : FRONT).	



No.	Item		Specification	Remarks
3	SURROUND ONLY FOR 35UX80B	(4)	PRO LOGIC mode operation. ① MODE could be selected PRO LOGIC or 3CH LOGIC using the ◀▶ button. ② The CENTER could be selected NORMAL or PHANTOM using the ◀▶ button.	* At the 3CH LOGIC mode, the CENTER is fixed NORMAL.
		(5)	Press the ENTER button to select TEST TONE mode. ① PRO LOGIC mode. When the CENTER is NORMAL, the TEST TONE synchronized OSD is shown below. NORMAL: FRONT (L)→CENTER→FRONT (R)→REAR PHANTOM: FRONT (L)→FRONT (R)→REAR ② 3CH LOGIC mode. The TEST TONE synchronized OSD is shown below. FRONT (L)→CENTER→FRONT (R)	
		(6)	Check that each volume and BALANCE is changed using the ◀▶ button.	



No.	Item		Specification	Remarks
3	SURROUND ONLY FOR 35UX80B	(7)	Press the ENTER button to select SURROUND mode.	
		(8)	The SURROUND mode could be selected OFF, MATRIX, HALL or DOLBY using the ▲▼ button.	
		(9)	MATRIX, HALL mode operation. ① Press the ENTER button to change volume setting mode. ② The REAR volume would change using the ◀▶ button. The range of the REAR volume could be set as follows. $0 \leq \frac{\text{REAR volume}}{\text{FRONT volume}} \leq 4$ It is not possible that the REAR volume is more than 4 times of FRONT volume. ③ The FRONT volume could be changed using the ◀▶ button. The FRONT and REAR volume should change according to keep the rate of (REAR : FRONT). ④ The L and R output (both front and rear) should be changed using the ◀▶ button.	



1-6-3-10 ANT Selection (Only for 35UX80B)

Adjustment Procedure

(1) Check that the color of the channel indication alternates between green and yellow every time the ANT select button is pressed and the channel corresponding to the display can be received.

Green : VHF/UHF terminal
Yellow : AUX terminal
The signals connected to each ANT terminal should be able to be received.

1-6-4 AI Mode Operation Check

Adjustment Preparation

(1) Set the AI:ON of VIDEO mode.
(2) Set the RESET OF PREFERENCE ADJUST mode.

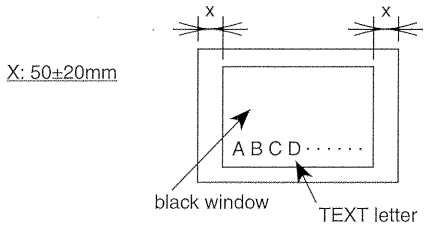
Adjustment Procedure

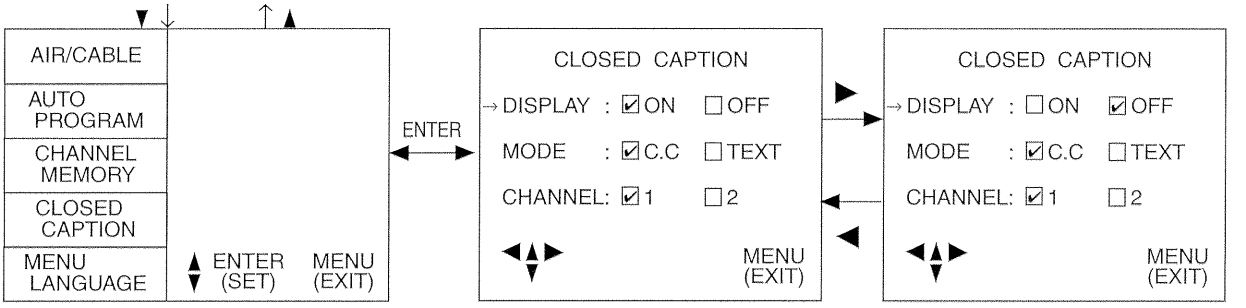
(1) Check that the SHARPNESS voltage, the YNR2 voltage and P. MODE voltage are shown below with AI:ON and AI:OFF.

	AI: OFF	AI: ON		
		CIRCLE PATTERN	COLOR BAR PATTERN	CROSS HATCH PATTERN
SHARPNESS I501 Pin ③	about 4.6V	about 3.0V	about 5.4V	about 3.0V
Q506 BASE	about 3.1V	about 3.6V	about 4.0V	about 4.3V
I501 Pin ⑥②	about 9.0V	Check that the voltage is decreased when signal condition has a weak field.		

1-6-5 CCD Operation Check

No.	Item	Specification		Remarks
1	CLOSED CAPTION	(1)	Press the MENU and ENTER button to select CLOSED CAPTION mode.	Receive signal having Closed Caption signal.
		(2)	The DISPLAY mode should be set ON using the ◀▶ button. The MODE should be set C.C. using the ◀▶ button. The CHANNEL mode should be set 1 using the ◀▶ button.	
		(3)	Check the CAPTION corresponding to the setting displayed on the screen.	
		(4)	Set CHANNEL to 2. Check that the CAPTION of CHANNEL 2 is displayed on the screen.	* Reading error should not occur on every mode. The contents of error. 1. Wrong leters are displayed. 2. Letter omitting. 3. Other abnormal display.
		(5)	Set CHANNEL to 1. Check that the CAPTION of CHANNEL 1 (FIELD 2) is displayed on the screen.	
		(6)	Set the MODE to TEXT. Check that a black window appears and TEXT letters are displayed at the center of screen.	
		(7)	Repeat from (4) to (5), and check that TEXT letters are displayed.	
		(8)	Set the MODE to C.C. The black window should disappear.	
		(9)	Set the DISPLAY to OFF. Check that the CAPTION letters disappear.	





1-6-6 External Terminal Operation Check

Preparation for Adjustment

(1) Input a signal to the INPUT 1 terminals (V, L/R).

Adjustment Procedure

(1) External input check.
 i) Check that the picture and sound of VIDEO 1 can be monitored.

Preparation for Adjustment

(2) Input a signal to the INPUT 1 (S input) terminal.
 ii) Check that the picture of VIDEO 1 (S input) can be monitored.

(3) Input a signal to the INPUT 2 terminals (V, L/R).
 iii) Check that the picture and sound of VIDEO 2 can be monitored.

(4) Input a signal to the INPUT 3 (S input) terminal.
 iv) Check that the picture of VIDEO 3 (S input) can be monitored.

(5) Input a signal to the INPUT 3 terminals (V, L/R).
 v) Check that the picture and sound of VIDEO 3 can be monitored.

(6) OUTPUT Terminal.

Adjustment Procedure

(2) External output check
 i) Check that the picture and sound can be monitored. (Sound control is fixed.)

Preparation for Adjustment

(7) AUDIO TO HiFi terminal
 ii) Check that sound from the speaker can be monitored.

(8) REAR SPEAKER terminals
 iii) Check that sound from the speaker can be monitored. (When surround is turned OFF.)

☆ The S input has priority.
☆ Sound is output from both L and R with only L input. (L monaural when input a signal to the INPUT 1 and INPUT 2.)

☆ Check with the VIDEO mode.
☆ Check that the BASS, TREBLE, BALANCE, VOLUME, MUTE and SURROUND are effective.
☆ Refer to the surround operation check for detail.

1-6-7 P in P Operation Check

1-6-7-1 SUB PICTURE Position

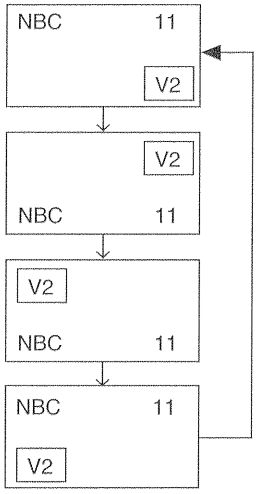
Preparation for Adjustment

(1) Set the P in P to ON.

Adjustment Procedure

(1) Check that the positon of the sub picture is changed as shown below using the SHIFT button of the remote control transmitter.

- Station display : "NBC"
  CH display : 11
  SUB picture mode : "V2"
- The SHIFT button should work only when P in P is ON.



1-6-7-3 SWAP (EXCHANGE of the main and SUB PICTURES)

Preparation for Adjustment

(1) Turn the P in P to ON.

Adjustment Procedure

(1) Check that the main and sub picture are swapped using the SWAP or EXCHANGE button of the remote control transmitter.

- Sound should also be swapped, synchronized with picture.

1-6-7-3 Sub Pictures Freeze

Preparation for Adjustment

(1) Turn the P in P to ON.
(2) Set the sub picture to the normal (moving) state.

Adjustment Procedure

(1) Check that the sub picture alternates between freeze and release using the FREEZE button of the remote control transmitter.

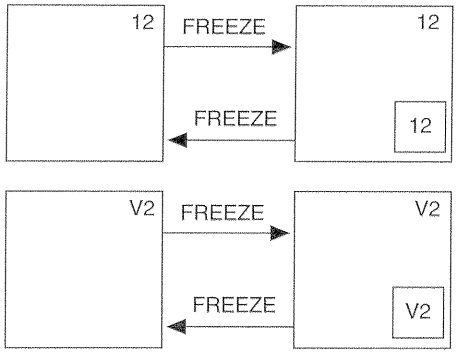
- The freeze should not be released by changing the sub picture position.
- The freeze should be released by the main sub pictures exchange operation.
- The freeze should be released by the channel selection operation when the sub picture is set to the TV mode.

1-6-7-4 P in P OFF Freeze

(Only for 35UX70B/35UX70BA/35TX79K/32UX8B)

Preparation for Adjustment

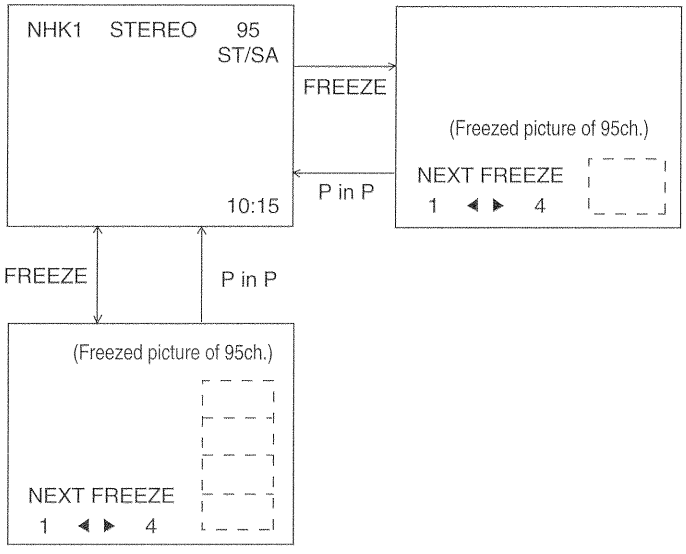
(1) Check that the sub picture changes on state and off state the same as main picture and freeze state using the freeze button.



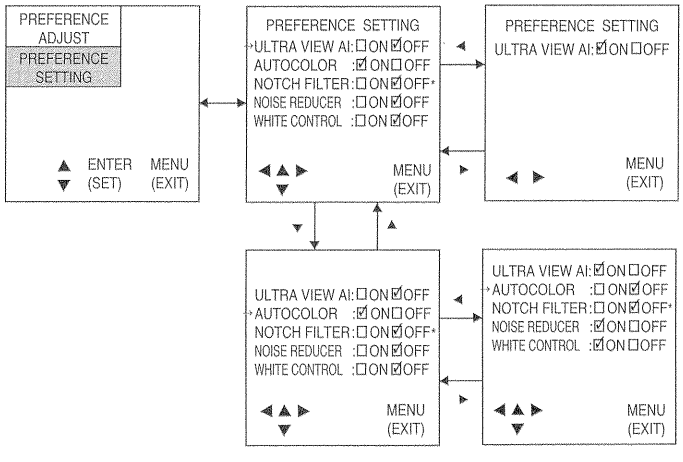
1-6-7-5 P in P OFF Freeze (only for 35UX80B)

Preparation for Adjustment

(1) Check that the sub picture changes on state and off state the same as main picture and freeze state using the freeze button.



1-7 Signal Circuit Movement Operation Check



* ONLY FOR
35TX79K
35UX70B
35UX70BA

1-7-1 Dimmer Control Operation Check

Preparation for Adjustment

(1) Select the PICTURE SETTING Mode with the main picture.
(2) Select the AI mode by pressing the ▲ ▼ key.

Adjustment Procedure

(1) Set the AI:ON by pressing the ◀ ▶ key of the remote control transmitter, and check that the display becomes dark when the front of the QM02 (light detector transistor on the control P.W.B.) is covered with hands.
(2) Set the AI:OFF by pressing the ◀ ▶ key, and check that the contrast of the display returns.

1-7-2 Auto Color Circuit Operation Check

Preparation for Adjustment

(1) Receive the color-bar signal.
(2) Select the AUTO COLOR Mode by pressing ▲ ▼ key.

Adjustment Procedure

(1) Set color control: MAXIMUM.
(2) Set AUTO COLOR: OFF by pressing the ◀ ▶ key, and check that the saturation level of the red color bar increases slightly.
(3) Return the AUTOCOLOR: OFF by pressing the ▲ ▼ key.
(4) Return the color control to center.

1-7-3 Noise Reducer Circuit Operation CHeck

Preparation for Adjustment

(1) Receive the color-bar signal.
(2) Select the NOISE REDUCER Mode by pressing the ◀ ▶ key.

Adjustment Procedure

(1) Set NOISE REDUCER: ON by pressing the ◀ ▶ key of the remote control transmitter, and check that the noise is reduced.

1-7-4 Notch Filter Circuit Operation Check

Preparation for Adjustment

(1) Receive the color-bar signal.
(2) Select the NOTCH FILTER mode.

Adjustment Procedure

(1) Set the NOTCH FILTER: ON by pressing the ◀ ▶ key and check that the dot interference on horizontal color border line of the color-bar is reduced.
(2) Set the NOTCH FILTER: OFF by pressing the ◀ ▶ key.

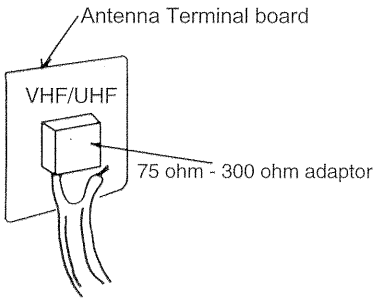
1-7-5 Weak Electric Field Check

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 below.
(2) Apply a no signal condition.

Adjustment Procedure

(1) Check that the phenomena of oscillation and abnormal beat, etc. does not occur in all the channel.



2. POWER SUPPLY P.W.B.

2-1 Power Supply P.W.B. Voltage Check

Preparation for Adjustment

(1) Set the AC input power supply too120± 1V (distortion 3% or less).
(2) Receive a circle pattern signal.
(3) Set the Contrast Brightness control to maximum.
(4) Measure about 30 seconds after the power is turned on.

Adjustment Procedure

(1) Connect the DC voltmeter to R908.
(2) Adjust R928 so that the indication of the DC voltmeter is 130.0±0.3V.

2-2 Protection Circuit Operation Check

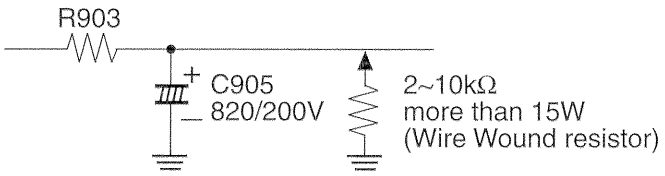
2-2-1 +20V Audio Power Supply

Preparation for Adjustment

(1) CONTRAST to maximum, BRIGHTNESS to center.

Adjustment Procedure

(1) Connect a 10kΩ resistor between Q945 base and GND and check that the picture disappears.
(2) Disconnect resistor immediately and the power cord.
(3) Discharge C905 as follows.



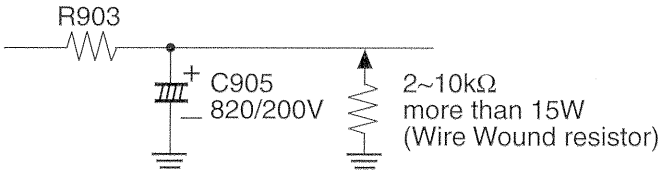
2-2-2 +26V Audio Power Supply

Preparation for Adjustment

(1) CONTRAST to maximum, BRIGHTNESS to center.

Adjustment Procedure

(1) Connect a 10kΩ resistor between Q963 base and GND and check that the picture disappears.
(2) Disconnect resistor immediately and the power cord.
(3) Discharge C905 as follows.



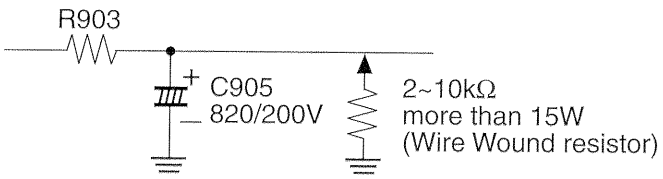
2-2-3 +12V Power Supply

Preparation for Adjustment

(1) CONTRAST to maximum, BRIGHTNESS to center.

Adjustment Procedure

(1) Connect a 10kΩ resistor between Q964 base and GND and check that the picture disappears.
(2) Disconnect resistor immediately and the power cord.
(3) Discharge C905 as follows.



2-2-4 +B Over Voltage

Preparation for Adjustment

(1) CONTRAST to maximum, BRIGHTNESS to center.

Adjustment Procedure

(1) Connect a 10Ω resistor to both ends of R955 and check that the +B voltage goes up and down.

2-3 FBT Protection Circuit Operation Check

Preparation for Adjustment

(1) Turn on the power of the set.

Adjustment Procedure

(1) Add 10KΩ (1/16w~1/8w) resistor between Q713 base and GND (ENH2 connector pin ③) and check the operation.

(2) After checking, remove AC PLUG and the 10K resistor to return the set to the previous state. After about 15 seconds, discharge C906. Turn on the power again, and check the set operates normally.

2-4 High Voltage Limiter Circuit Operation Check

Checking Preparation

(1) Connect the assembly to a standard set.

(2) Connect a high voltage voltmeter between CPT anode terminal (anode capside) and the ground.

(3) Set AC input voltage to 120±3V.

(4) Receive a circle pattern and set "BRIGHTNESS" and "CONTRAST" to maximum. Adjust screen VR so that beam current is I_B±0.1mA. (The voltage of ABL terminal -C741 both ends should be 12V or less.)

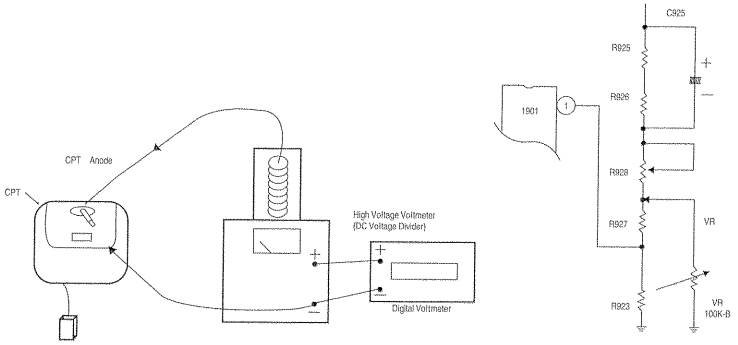
Adjustment Procedure

(5) Check that the normal high voltage and +B voltage is as below.

CHASSIS	E HT	I B	+B	E1
CZ58/CZ57 CZ57P/CZ56	30.0 (kv) +1kv	1.8 (mA) +0.1mA	130.0 (V) +0.3V	35.5 (kv) +1.3kv
CY58	29.2 (kv) +1kv	1.65 (mA) +0.1mA	130.0 (V) +0.3V	34.0 (kv) +1.3kv

Adjustment Preparation

(6) Set AC input voltage to 120±3V. Then, connect the VR (100K-B) to R927 and ground side as below.
Note: At that time the value of VR should be maximum.



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

Adjustment Procedure

(7) Keep CONTRAST, BRIGHTNESS, and Screen VR as in Item (3). Reduce the VR value gradually, and check that the picture disappears when high voltage is E1. Immediately after checking that it disappears, turn off the set switch. Remove the VR 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 or residual high voltage, because the high voltage of CPT anode may be left.

2-5 Side Pin Distortion Coarse Adjustment

Adjustment Preparation

(1) Receive a circle pattern signal.

(2) Set the AC input power supply to 120±1V.

(3) For picture controls, set the BRIGHTNESS to center and set the other controls to their standard conditions.

Adjustment Procedure

(1) Vary R7HF so that the right and left vertical lines are straight.

2-6 H. size, H. Center Coarse Adjustment

Adjustment Preparation

(1) Receive a circle pattern signal.

(2) Set the AC input power supply to 120±1V.

(3) Set CONTRAST to maximum and BRIGHTNESS to center.

Adjustment Procedure

(1) Vary R7H6 so that the hoizontal size markers at the right and left end are 1.5–1.5 on the average.

(2) Vary R759 so that the difference of the horizontal size markers at the right and left end are within 1.5.

2-7 Vertical Amplitude Coarse Adjustment (R631)

Adjustment Preparation

(1) Receive a circle pattern signal.

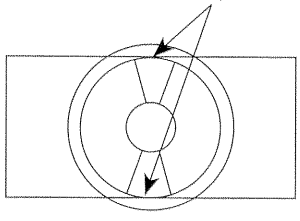
(2) Set the AC input power supply to 120±1V.

(3) For picture controls, set the BRIGHTNESS to maximum and set the other controls to their standard conditions.

Adjustment Procedure

(1) Turn to vertical amplitude adjustment VR (R631) and adjust as shown below.

Adjustment position (inner edge of the outer circle)

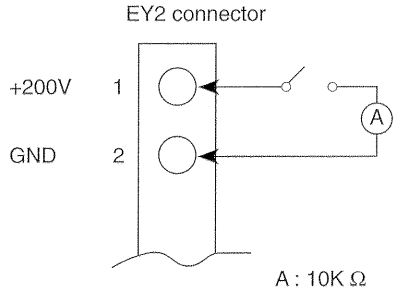


2-8 Discharge of 200V Line

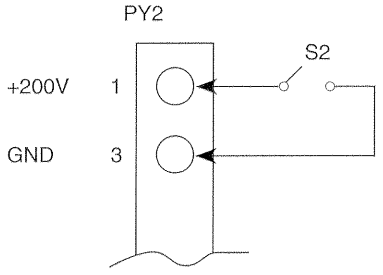
Adjustment Preparation

(1) After the adjustment of assembled P.W.B. and after the checking of mounting, the jig below is connected.

(2) Main P.W.B.



(3) CPT P.W.B.



Adjustment Procedure

(1) After the adjustment and checking the mounting, the power is turned off then close the S1, S2 switch (for 3~5 seconds) and discharge 200V line.

III. COMMON SERVICE ADJUSTMENT

1. DEFLECTION CIRCUIT ADJUSTMENT

1-1 Alteration Contents for Several CPT.

(1) Keep DY sticked to CPT funnel.

(2) Turn on the TV set and receive cross-hatch (or circle pattern signal). Adjust the static convergence coarsely according to Item III, 1-2-4/1-2-5.

(3) Receive circle pattern signal and adjust the white balance according to Item III, 2-1.

(4) Set BRIGHTNESS control and CONTRAST to maximum and apply heat-run to the TV set with circle pattern signal received for "T" minutes or more. (See Table 1-1.)

Table 1-1

MODEL	CPT (MAKER)	MODEL	NOTE
32UX8B (CY58)	(HITACHI) A80LJF30X	40 min.	Non-ITC CPT
35UX70B/35UX70BA (CZ57/CZ57P)	A89LED50X02 (V)	40 min.	ITC CPT
35UX80B (CZ58)	A89AGF11X10	40 min.	ITC CPT
35TX79K (CZ56)	A89LFL50X01 (V) A89KPP50X01 (V)	40 min.	ITC CPT

Note: ITC CPTs: check purity following item 1-2-2.

1-2 Purity Convergence Adjustment (only for 32UX8B)

(This adjustment method applies the purity adjustment by using microscope.)

1-2-1

(1) Adjust coarsely white balance, static convergence (center) and focus.

(2) Receive circle pattern signal and heat-run "T" minutes or more with CONTRAST and BRIGHTNESS Levels maximum. Do not delete the raster nor vary the perfect raster. (DY and tilt should have been coarsely adjusted.)

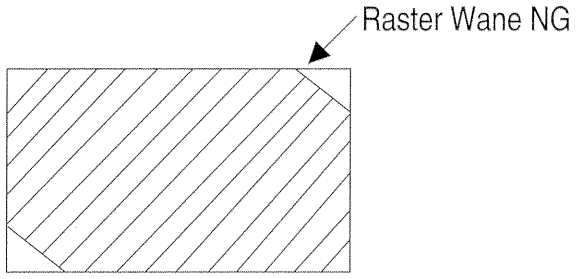


Table 1

MODEL	CPT (MAKER)	T
32UX8B (CY58)	(HITACHI) A80LJF30X	40 min.

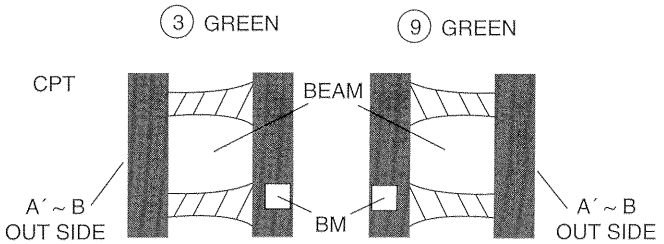
(3) The magnetic field in artificial magnetic field should follow the table below and the CTV set should face as in Table 2. Degauss CTV set from outside.

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

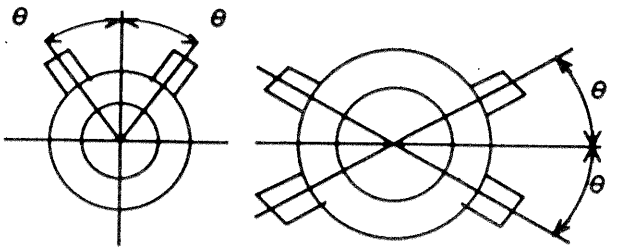
MODEL	CPT (MAKER)	T
32UX8B (CY58)	(HITACHI) A80LJF30X	40 min.

(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.



Adjustment point 30mm away from each end of ③ and ⑨

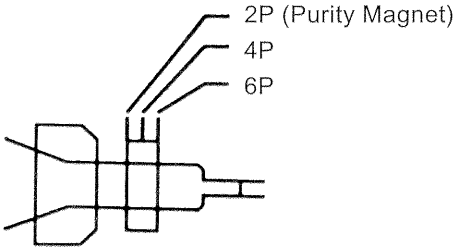
(A) Open the purity magnet as follows in order to move the raster only in the right-left direction.



C-F MAGNET
P#2773671

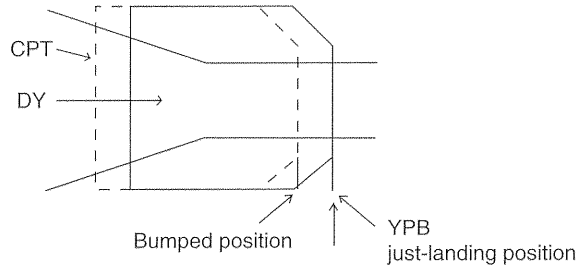
C-F MAGNET
P#2773672/P#2775082
(FOR VM MODEL)

Keep the balance of ③/⑨ DY landing

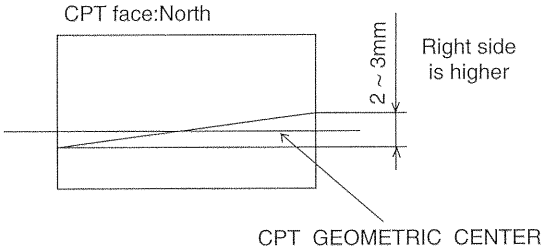


(B) YPB (Yoke Pull-Back) should be as follows.
(Distance between the bumped position of DY toward the funnel and the just-landing position of ③ and ⑨.)

MODEL	CPT	MAKER	YPB (DESIGN CENTER)
32UX8B (CY58)	(HITACHI) A80LJF30X	(HITACHI)	2.2mm



(C) Tilt of DY should be as follows.
Face: North



(D) Landing at ③ and ⑨: swing the beam right and left using the jig and adjust the position of DY so that green becomes just-landing at the position 30mm away from the end. The following two parts of miss landing should be the same.
One is the miss landing on the right side of the phosphor when turning on the jig switch forward to move the beam toward left...CASE A
The other is the miss landing on the left side of the phosphor where turning on the jig switch backward to move the beam toward right...CASE B.

GREEN PHOSPHOR

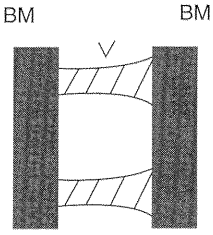


Fig. 1 Landing of ③ / ⑨

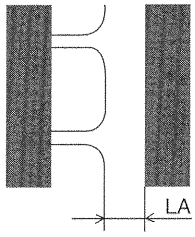


Fig. 2 LA: miss-landing at CASE A

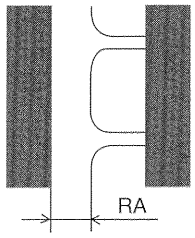
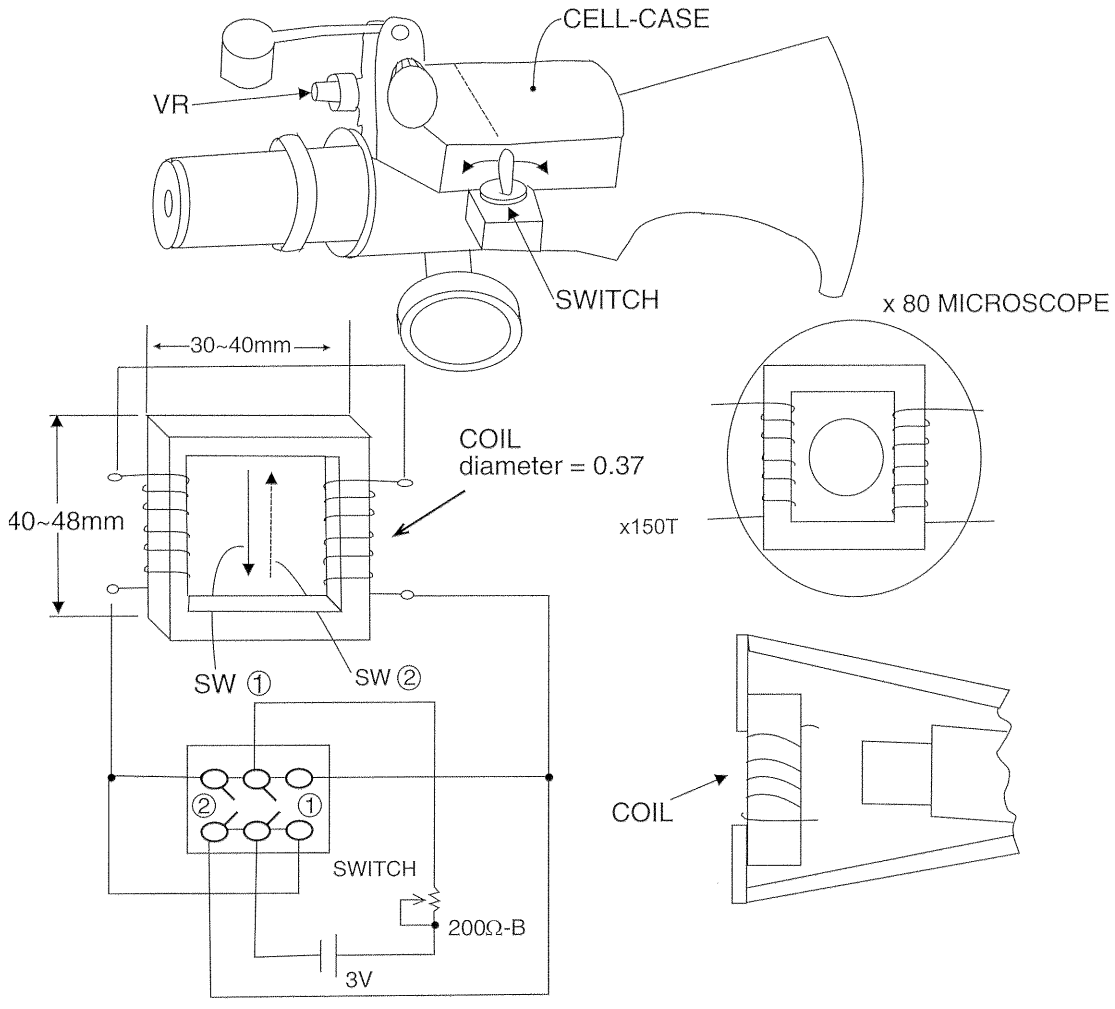


Fig. 3 RA: miss-landing at CASE B

Adjustment DY-position as LA=RA.

Reference THE JIG



Fix coil to CRT side of microscope. Set it upside down and measure it.
Check that beam moves to the right and left equally in quantity.
Be careful at assembly that core does not tilt because upward (downward) magnetic field by coil moves the beam to the right (left) or type MS-50X microscope of KANSAI DENKI.

(5) Fix DY with fixing torque of 14kg·cm.
Control the torque by an electric driver.
(6) If any miss landing occurs, correct with magnets.
If any wane of 10μ or so, judge by white unevenness.
At this time, if the white uneveness is alll right, any magnet is not needed.
(7) After peripheral convergence is adjusted, check the position of DY and tighten the DY again (14kg·cm).

1-2-2 Purity Check

The magnetic field in 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.
(C) 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.

MODEL	CPT (MAKER)	CHECK FACE
32UX8B (CY58)	(HITACHI) A80LJF30X	North South
35UX70B/35UX70BA (CZ57/CZ57P)	A89LED50X02 (V)	North South
35UX80B (CZ58)	A89AGF11X10	North South
35TX79K (CZ56)	A89LFL50X01 (V) A89KPP50X01 (V)	North South

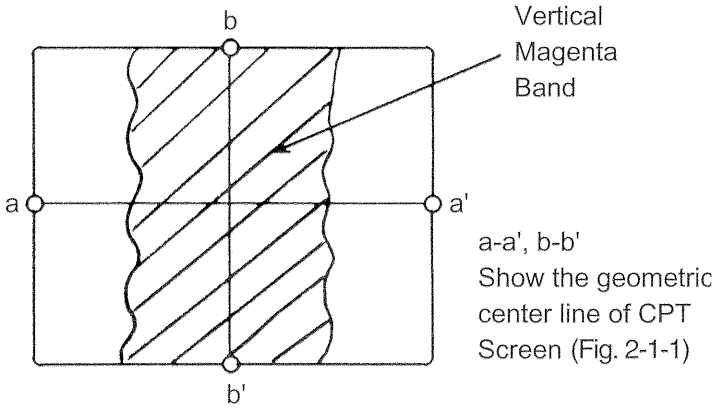
1-2-3 Purity Adjustment (only for 32UX8B)

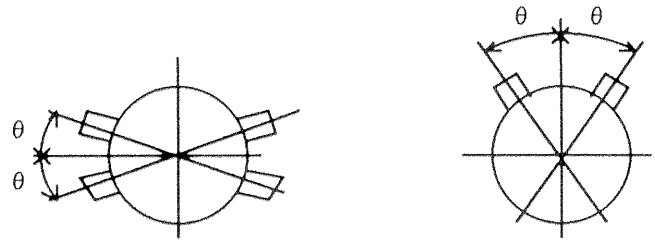
(This adjustment method applies to the hand-operated purity adjustment.)

(1) Use an artificial magnetic field and set the field strength as follows.

*Magnetic field in CPT axis direction : 0 Gauss
*Magnetic field which is vertical to CPT axis:
U.S.A., Hawaii, Panama, Guam,
Bolivia, Peru, Universal ..... 0.3 Gauss
Canada ..... 0.15 Gauss
Taiwan ..... 0.37 Gauss
(The direction of the magnetic field should be from the left side to the right side of the CPT screen as you face it.)

(2) Adjust Focus coarsely according to Item 1-3.
(3) Adjust Convergence coarsely according to Item 1-2-4/ 1-2-5.
(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. 2-1-1). 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).





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

C-F MAGNET
P#2773671

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

Fig. 2-1-2

(7) Receive the single red signal. When the single red signal is not available, short-circuit between the base and emitter of Q845, and between the base and emitter of Q857 to set to single red.
(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. 2-2.
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 center axis of DY and CPT axis match.

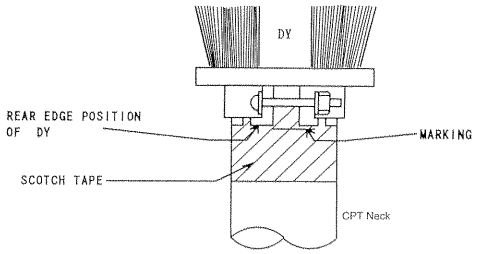


Fig. 2-2

(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. 2-3).
Further insert the rubber wedge between DY and CPT funner from the top and raise DY backwards.

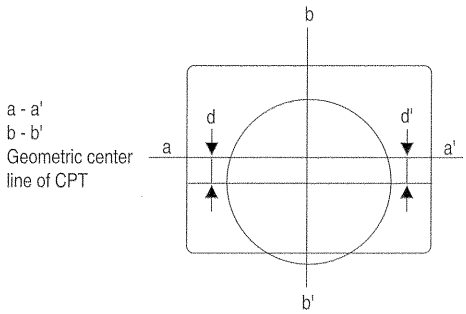


Fig. 2-3

(10) Set CPT axis direction magnetic field of the artificial magnetic field.
(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. 2-4 with a microscope.

Criteria with microscope
There should be no miss landing at positions 2, 4, 8 and 10. (Refer to the miss landing 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 next artificial magnetic field and check it by the same way as item (11). The positions of miss landing criteria with a microscope should be 2, 4, 8 and 10. (Fig. 2-4).

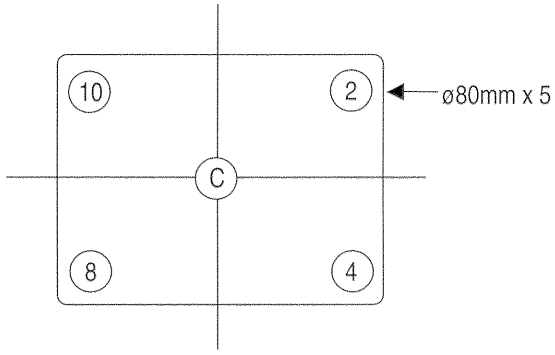


Fig. 2-4

Miss landing criteria

The following conditions are defined as miss landing.
Each color beam shines on the phosphor of the applied color and there are phsophor parts which are not luminous (shaded parts in the figure) between the luminous parts and black matrix.
Or, each color beam shines on the phosphor of not applied color.

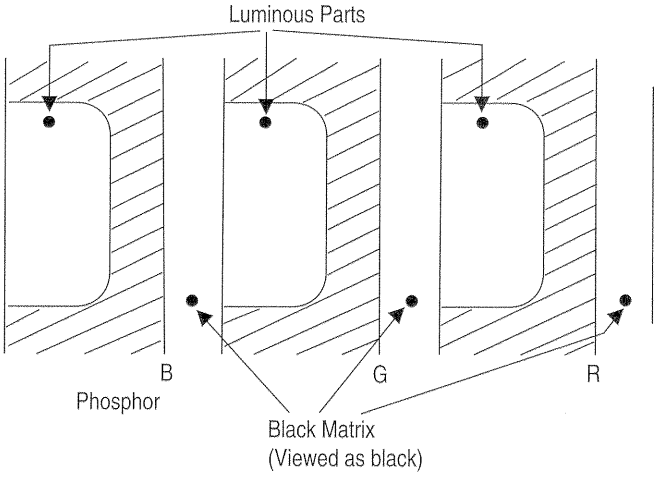


Fig. 2-6 Enlarged view of screen with microscope

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

Usage

Apply the silicone rubber KE-40 WRTV to the permanent magnet shown in the figure. Adhere it to CPT funnel and then fix it with permasel tape P212.

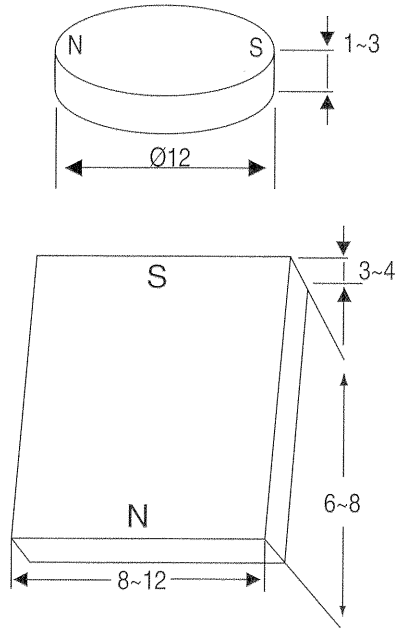


Fig. 2-7

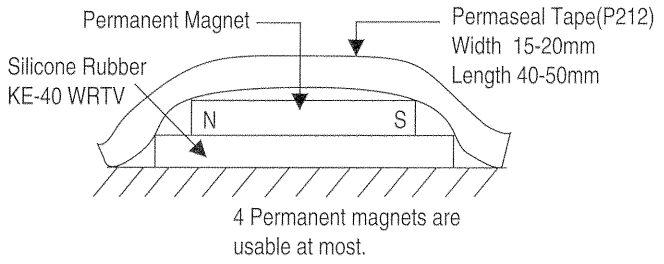


Fig. 2-8 CPT Funnel

(14) Final purity criteria should satisfy the miss landing criteria of items (8) and (9).
(15) When delivering the sets, set CPT axis direction magnetic field to 0 Gauss and degauss it from outside.

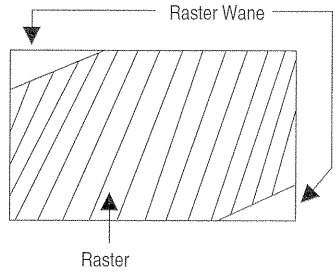
Table 2-1

Artificial magnetic field setting list classified by destination.

Group / Destination	A	B
U.S.A.	+0.45 Gauss	+0.30 Gauss
Canada	+0.54 Gauss	+0.15 Gauss
Panama, Hawaii	+0.2 Gauss	+0.30 Gauss
Universal	+0.35 Gauss	+0.3 Gauss
Taiwan	+0.22 Gauss	+0.37 Gauss

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.

1-2-4 Static Convergence Adjustment (screen center part)
Except ITC CPT

(1) Receive the cross-hatch signal and set BRIGHTNESS to

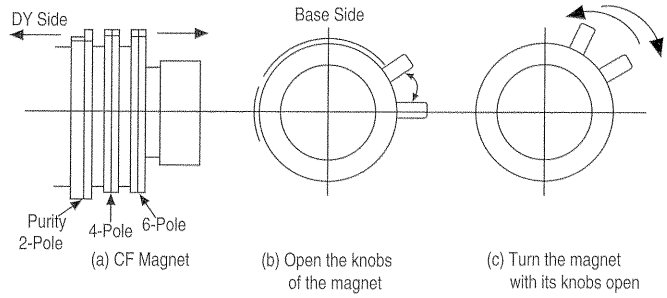


Fig. 2-19

the center, CONTRAST to minimum.
(2) Open the knobs of 4-pole magnet (2 sheets) (Fig. 2-19 (b)) and match the blue-red vertical lines at the center of

the screen as shown in Fig. 2-20 (a).

(3) Turn the 4-pole magnet with its knobs open (Fig. 2-19 (c)) and match the blue/red horizontal lines as shown in Fig. 2-20.

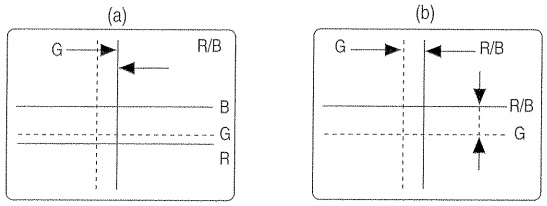


Fig. 2-20

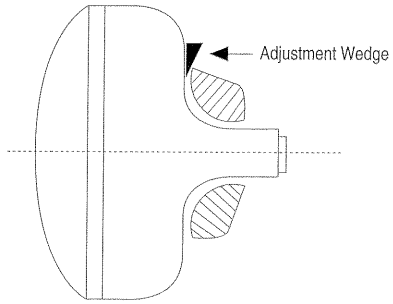


Fig. 2-21

1-2-5 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. 2-21. 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. 2-22 (a).

(2) Adjust by 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. 2-22 (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. 2-22 (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 wedge with approximately 120' to the fixing wedge inserted in the item (2) or (3) and remove the adjustment wedge (temporary).
Use the DY fixing wedge after peeling off the tape. Press and adhere it to the funnel.

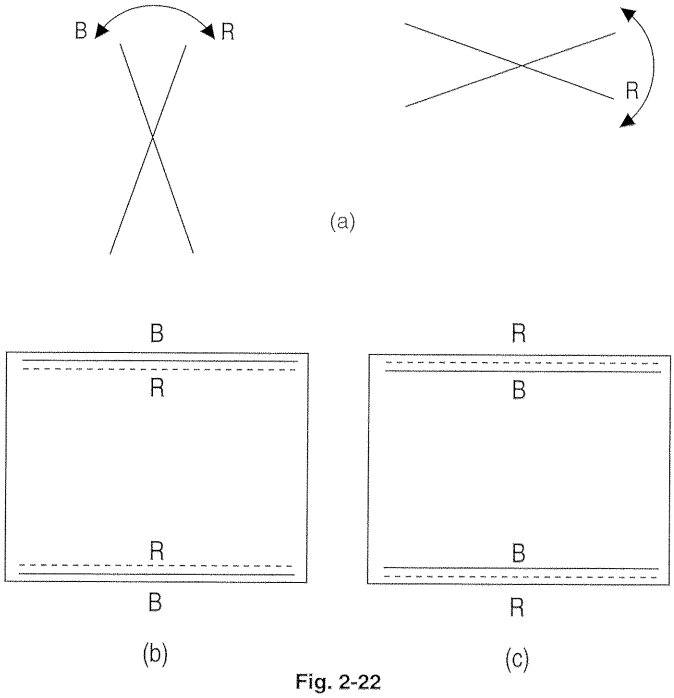
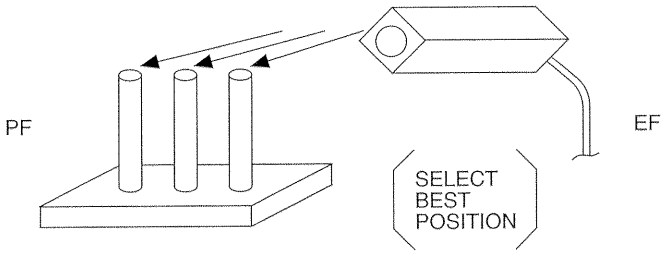


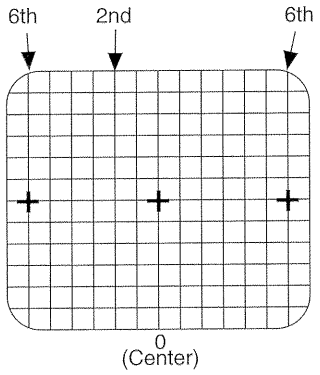
Fig. 2-22

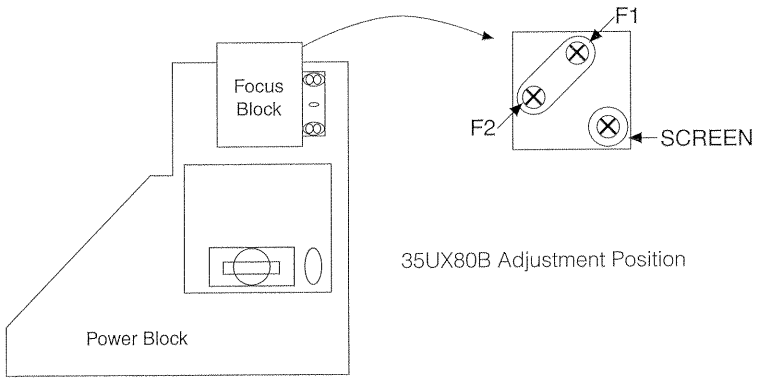
1-3 Focus Adjustment

NO.	MODEL	CPT	Condition	Focus VR Setting Position
1	35UX70B 35UX70BA	A89LED50X02 (V)	• Receive the cross-hatch signal • Contrast 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 2nd horizontal line from the screen center becomes best.
	35TX79K	A89KPP50X01 (V) A89LFL50X01 (V)		
2	35UX80B	A89AGF11X10	Same above	a) Turn the Focus VR (F1) gradually to adjust 6th horizontal line becomes best. b) Turn the Focus VR (F2) gradually to adjust center vertical line becomes best. c) Turn to Item (a)/(b) again and finish.
3	32UX8B	(HITACHI) A80LJF30X	Same 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.

CAUTION: Insert the connector PF/EF on CPT PWB to minimize width of horizontal line as follows (only for A89LED50X02, A89KPP50X01 and A89LFL50X01 35V CPT).







35UX80B Adjustment Position

1-4 Deflection Circuit Plcture Adjustment

1-4-1 Horizontal Center Adjustmetn (R759)

Adjustment Preparation

(1) Receive circle pattern signal.
Set CONTRAST control to maximum and BRIGHTNESS control to center.

Adjustment Procedure

(1) Adjust H. Center VR (R759) so that the difference of the horizontal size markers at the right and left end are within 0.5.

1-4-2 Vertical Size Adjustment (R631)

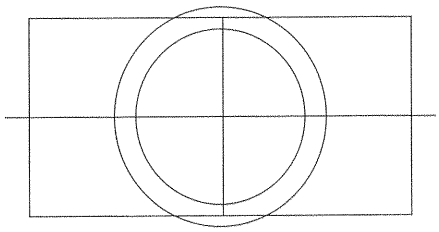
Adjustment Preparation

(1) The TV set should face North or South.
(2) Receive circle pattern signal.
Set CONTRAST control to maximum and BRIGHTNESS control to center.

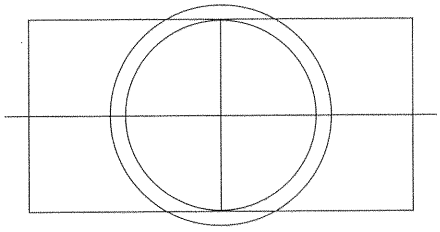
Adjustment Procedure

(1) Adjust V size VR (R631) so that the outer circle pattern is like figure.
Note: Perform this adjustment more than 5 minutes after applying the power ON.

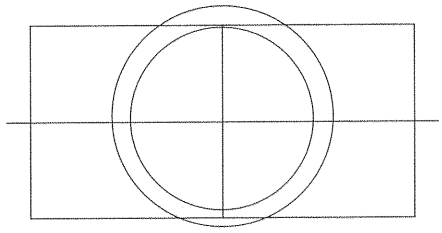
i) When the picture center is below CPT center.
Adjust so that 1/2 of the width of outer circle comes to the screen.



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 TOP 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.



1-4-3 Side Pin Distortion Adjustment (R7HF)

Preparation for Adjustment

(1) Receive cross-hatch signal. Set CONTRAST control to maximum and BRIGHTNESS control to the point where the background is set.

Adjustment Procedure

(1) Adjust R7HF so that the line of the right and left is straight (Specification: Dt. $D_R \leq 5$mm 32V)
straight (Specification: Dt. $D_R \leq 7$mm 35V)

1-4-4 Horizontal Size Adjustment (R7H6)

Preparation for Adjustment

(1) Receive circle pattern signal.
(2) Set CONTRAST control to maximum and BRIGHTNESS control to center.

Adjustment Procedure

(1) Adjust R7H6 so that the average reading of right and left is 1.5. The reading of each side should be at least 1.

2. SIGNAL CIRCUIT ADJUSTMENT

2-1 White Balance Adjustment

Adjustment Preparation

(1) Apply heat-run 20 min. 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 and set the color temperature control (white control) to STD.
(5) Set drive adjustment VRs (R860, R864) to the mechanical center.
(6) Turn low brightness white balance adjusting VRs (R866, R868, R870) fully counterclockwise.
(7) Turn the screen adjusting VR fully counterclockwise.
(8) The picture is switched at lateral line by the switch S851.

Adjustment Procedure

(1) Turn the screen adjusting VR clockwise and set to the position where the bright colored line starts appearing on the 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 fully clockwise the low brightness white balance VRs except VR-A and adjust so that red, green and blue bright colored lines appear on the screen equally.
(3) Return the switch S851 back.
(4) Set CONTRAST and BRIGHTNESS controls to minimum and turn sub-black level VR (R325) 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 (R860, R864) 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: 7,200° K.

(9) Set white control (color temperature control) to cool, and check that color temperature is approximately 9,300°K.

2-2 Sub Brightness Adjustment (R325)

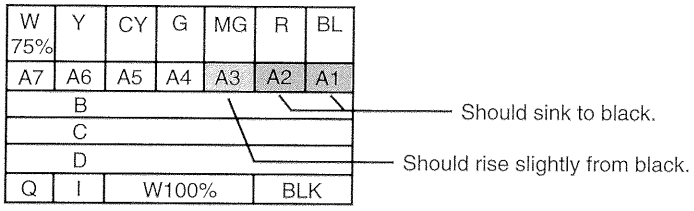
Adjustment Preparation

(1) Start adjustment 20 minutes or more after the power is turned on. Receive the color bar signal.
(2) Set the CONTRAST and color controls to minimum.
(3) Set the BRIGHTNESS to -6 (-3 position on the display).
(4) The vertical incident illumination on the screen should be 20 lux or less.
Adjustment specification: within ±0.3 step

Adjustment Procedure

(1) Adjust so that the points A1 and A2 sink to black and A3 slightly above it rises using the sub brightness adjustment VR (R325). (Visually adjust)

Remarks
* Directly observe the CPT screen by eye without using a mirror.



Adjustment specification: within ±0.3 step

2-3 Sub Picture Adjustment

2-3-1 Sub Picture Black Level Check

Preparation for Adjustment

(1) Start adjustment about 20 minutes after the power switch is turned ON.
(2) After displaying the white signal with main picture, display the sub picture and receive the color bar signal with it.
(Condition : CONTRAST-MAXIMUM
OTHERS-CENTER)

Adjustment Procedure

(1) Check the sub picture setting the part of A1 of the color bar pattern to black.
(Check specification ±0.5 steps.)

2-3-2 Sub Picture White Balance Adjustment

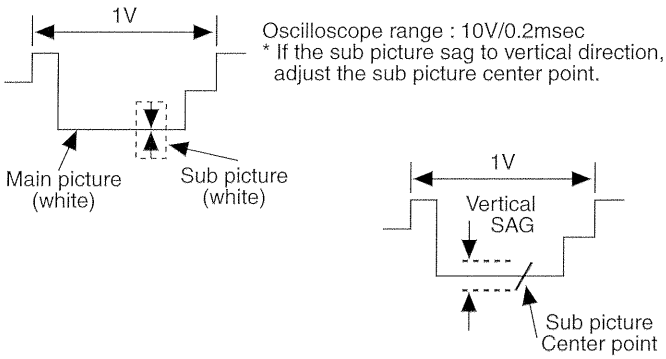
BLUE - Adjustment RP11
GREEN - Adjustment RP10
RED - Adjustment RP09
] On the Signal P.W.B.

Preparation for Adjustment

(1) Turn off the sub picture by pressing "P in P" key or remote controller. (Keeping the white signal with main picture.)
(2) Display and match the sub picture details with the main picture details by pressing "FREEZE" key of remote controller.
(3) Condition should be set as follows.
(CONTRAST — MAXIMUM
BRIGHTNESS — MINIMUM
OTHERS — CENTER)
(4) White signal specification amplitude 1.7Vpp (Sync. 0.6Vpp).

Adjustment Procedure

(1) Observe Q857 collector on the CPT P.W.B. and turn the BLUE adjustment VR RP11 and adjust so that the amplitude of the sub picture is the same as that of the main picture.
(2) Similarly, observe Q854 collector on the CPT P.W.B. and turn the GREEN adjustment VR RP10 and adjust so that the amplitude of the sub picture is the same as that of the main picture.
(3) Similarly, observe Q851 collector on the CPT P.W.B. and turn the RED adjustment VR RP09 and adjust so that the amplitude of the sub picture is the same as that of the main picture.
(4) Check that the white balance of the sub picture is the same as that of the main picture.
If it does not, return to setp (1) Table 3.
☆ Adjustment specification: ±1V
☆ Waveform of Q851/Q854/Q857 (R/G/B)=cathode
(sub picture level compared with main picture level.)

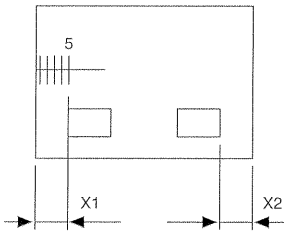


☆ Perform this adjustment after the white balance and sub-brightness adjustments of the main picture are completed.
☆ White balance 7500°K+OMPCD
(Color coordinates: x=0.301, y=0.310)
☆ Refer to the sub brightness adjustment for details of the gray scale of color bar signal.

2-3-3 Sub Picture Position Adjustment Check Procedure

(1) Display the circle pattern with main picture.
(2) Turn on the sub picture and adjust the position X1=X2 by turning RP34.

(Specification: Left edge of sub picture compared with circle pattern scale "4.5" ±0.5=x1.
Only for 35UX80B X1 = 5.5±0.5
X2 = 4.0±0.5)



2-4 Dolby Circuit Operation Check

2-4-1 Dolby Prologic Circuit Operation Check (only for 35UX80B)

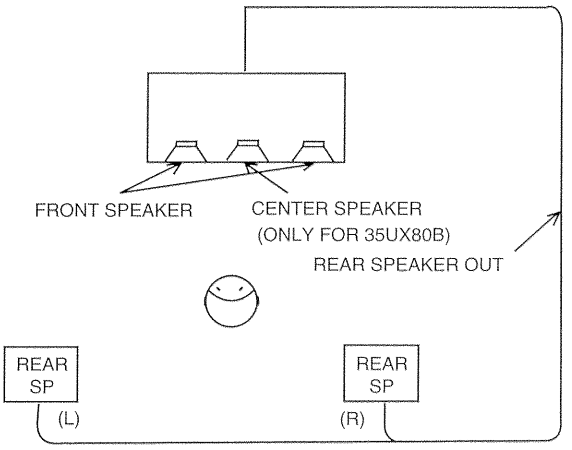
(1) Set the SOUND modes as follows.

BASS : CENTER
TREBLE : CENTER
BALANCE : CENTER
INT. SPEAKER : ON

DYNAMIC BASS : OFF
LOUDNESS : OFF
SURROUND : PRO. LOGIC

(2) Set so that each level of the following outputs can be monitored from their waveforms.

FRONT SPEAKER (L output / R output)
REAR SPEAKER (L output / R output)
CENTER SPEAKER OUTPUT



Preparation for Adjustment

(3) Input the L and R audio signals from the jig shown below.

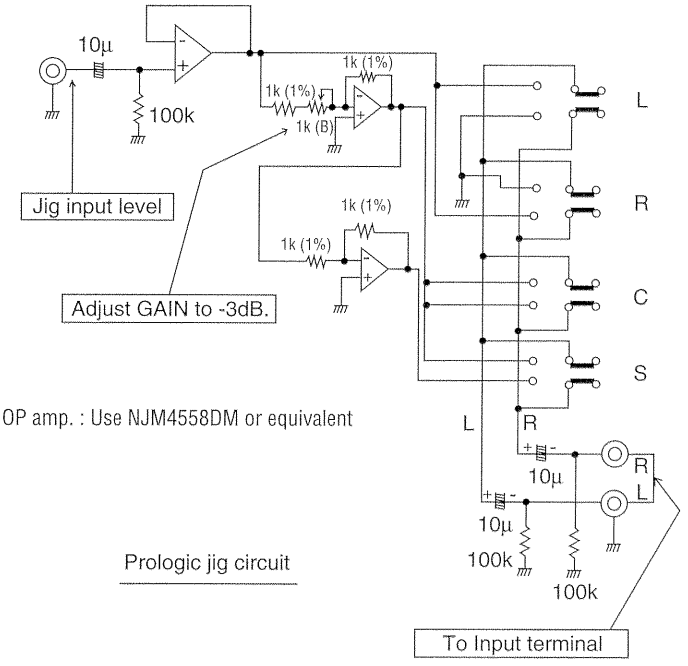
Adjustment Procedure

(1) With MODE: PRO LOGIC
Press L, R, C and S switches of the jig.

Table 1

Monitor level / Jig switch	CENTER SP	FRONT SP L	FRONT SP R	REAR SP L	REAR SP R
L	—	○	—	—	—
R	—	—	○	—	—
C	○	—	—	—	—
S	—	—	—	○	○

Check that the output appears as shown in Table 1.
(2) With Test Tone mode, check that the test noise is generated in sequence for L, R, C and S (each for about 2 seconds).



OP amp. : Use NJM4558DM or equivalent

Prologic jig circuit

Adjustment Procedure

(3) With MODE: 3ch LOGIC
Press the L, R, C and S switches of the jig.
Check that the output appears as shown in Table below.

Monitor level / Jig switch	CENTER SP	FRONT SP L	FRONT SP R	REAR SP L	REAR SP R
L	—	○	—	—	—
R	—	—	○	—	—
C	○	—	—	—	—
S	—	—	—	—	—

(4) With Test Tone mode, check that the test noise is generated in sequence for L, C and R (each for about 2 seconds).

2-5 Surround Operation Check

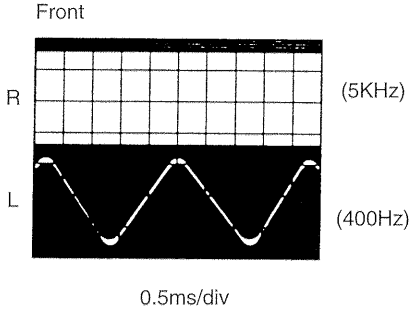
Preparation for Adjustment

Input the following audio signals to the audio input of the VIDEO INPUT terminals.
When checking surround:
L CH: 400Hz sine wave 475mVrms
R CH: 5kHz sine wave 475mVrms
Set the INT. SPEAKER : ON
Set the volume controls of FRONT, CENTER and REAR to center.
Set the BASS, TREBLE and BALANCE to center.

Note: Front waveform: Front speaker output of the set.
Rear waveform: Rear speaker output of the set.
Center waveform: Center speaker output of the set.

2-5-1 Surround Off Check

(1) Set to SURROUND: OFF and check that the waveform shown below is obtained.

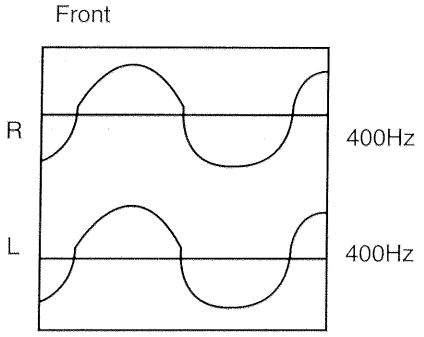


Note: REAR and CENTER output is no signal.

2-5-2 Surround Off/Monaural Check

Preparation for Adjustment

Check that the following waveform is obtained. The amplitudes of 2 channels are equal.

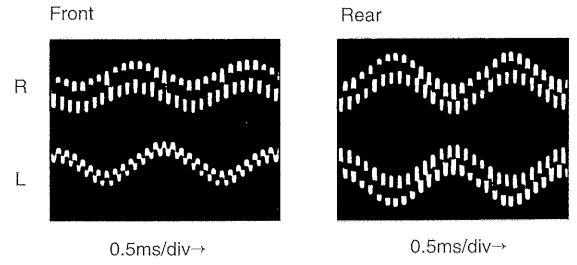


Note: Monaural check can be omitted.
REAR and CENTER output is no signal.

2-5-3 Matrix Surround Check

Preparation for Adjustment

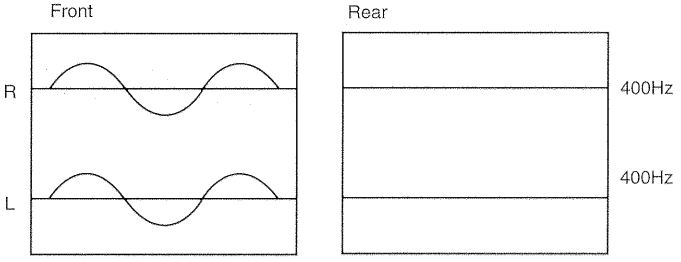
(1) Set to SURROUND : MATRIX
Check that the following waveforms are obtained.
Front : Check that the phases of R and L are different and 400Hz is superimposed on 5kHz.
The amplitudes of R and L are different.
Rear : Check that the phases of R and L are oppposite and 400Hz is superimposed on 5kHz.
Center : No signal.



2-5-4 Matrix Surround/Monaural Check

Preparation for Adjustment

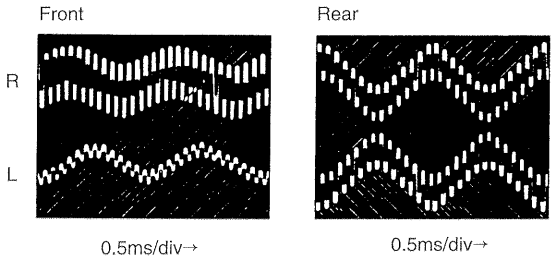
Check that the following waveforms are obtained.
Front : R and L waveforms are almost equal.
Rear : R and L waveforms are almost zero.
Center : No signal.



2-5-5 Hall Surround Check

Preparation for Adjustment

(1) Set to SURROUND : HALL.
Check that the following waveforms are obtained.
Front : Check that the phases of R and L signals are different and 400Hz is superimposed 5kHz.
Rear : Check that the phases of R and L are opposite and 400Hz is superimposed on 5kHz.
The amplitudes of R and L are equal.
Center : No signal.



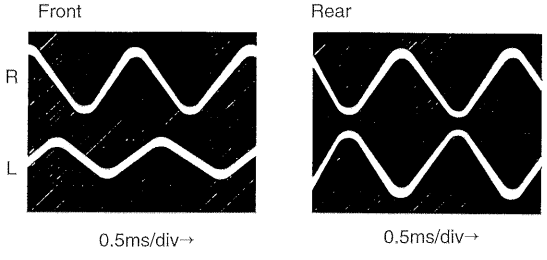
Note: Amplitude levels of front R and L are not even.

2-5-6 Hall Surround/Monaural Check

Preparation for Adjustment

Check that the following waveforms are obtained.

Front : The phases of R and L are different.
The amplitudes of R and L are different.
Rear : The phases of R and L are opposite.
Center : No signal.



Note: The monaural check can be omitted.
Amplitude levels of front R and L are not equal.

2-5-7 Dolby Surround Check

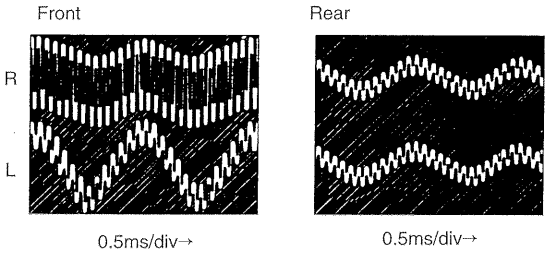
2-5-7-1 For 35UX80B Only

Preparation for Adjustment

(1) Set to SURROUND : PROLOGIC
MODE : PROLOGIC

Check that the following waveforms are obtained.

Front : 400Hz is superimposed on 5kHz.
Rear : R and L are the same signal and 400Hz is superimposed on 5kHz.



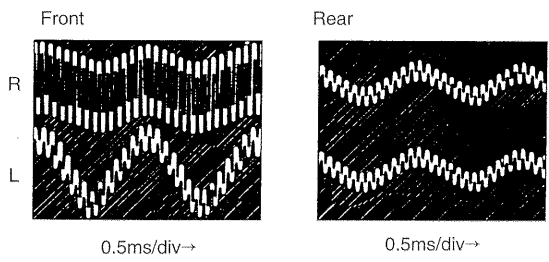
2-5-7-2 Except for 35UX80B

Preparation for Adjustment

(1) Set to SURROUND : DOLBY

Check that the following waveforms are obtained.

Front : R is 5kHz sine wave. L is 400Hz sine wave.
Rear : R and L are the same signal and 400Hz is superimposed on 5kHz.



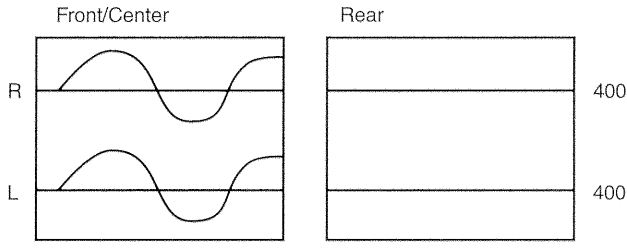
2-5-8 Dolby Surround/Monaural Check

Preparation for Adjustment

Check that the following waveforms are obtained.

Front : R and L are the same signal.
Center : Same signal with R and L.
Rear : Almost no output from both R and L.

Note: Front side check can be omitted.



2-6 Dynamic Bass Circuit Operation Check

Preparation for Adjustment

(1) Input 90Hz audio signal with 435mVrms to L/MONO
(2) Set the VOLUME to center.
(3) Set to SURROUND OFF.

Adjustment Procedure

(1) Switch the DYNAMIC BASS of the SOUND SETTING from OFF to ON and check that the output level of th front speaker changes by +6 at 70Hz.

2-7 AGC Adjustment (RF15)

Adjustment Preparation

(1) After all the adjustments are finished, heat-run 5 minutes or more in signal receiving condition.
(2) Receive circle pattern signal.
(3) Set CONTRAST to maximum and BRIGHTNESS to C Screen Display center.
(4) Antenna input power: -53dBm.
(5) Connect DC voltmeter of internal resistance 1MΩ or more to TP15.

Adjustment Procedure

(1) Adjust AGC adjustment VR (RF15) until the indicatio of DC voltmeter does not change any more at the maximum point. The reading of DC voltmeter is nam V1. Adjust AGC adjustment VR (RF15) so that the indication of DC voltmeter is {V1-(0.5±0.2]V.

3. CHECK IN COMBINATION WITH EXTERNAL EQUIPMENT

3-1 Check in Combination with External Equipment

Preparation for Check

(1) Input video signals to "Video 1", "Video 2" and "Videc input terminals.
Signal condition 100% white signal
1±0.2Vp-p
75Ω termination

(2) Input audio signals to Audio 1", "Audio 2" and "Audio 3" input terminals.
Signal condition 435±20mVrms
VCR or Tuner or equivalent.
(3) Connect the monitor TV to output terminal.
(4) Input Y-C separate signals to "S-VIDEO" input terminal.
(5) Connect the "Audio Input Terminals" of the monitor TV to "Audio to Hi-Fi" output terminals, and "Transmitter Out" output terminals.

Checking Procedure

(1) Each time the input selection of the remote control transmitter is pressed, input signal should be received alternately.
(2) Check that the picture and sound are normal when the external signals are received.
(3) Check that the "Transmitter Out" signal are switched when the "WIRELESS MODE" is selected.
Remark:
(1) The 100% white of TV signal should be almost the same brightness as the 1Vp-p (75Ω termination) external video input signal.
(2) For the audio signal 100% modulation (25kHz div) of the TV signal should be almost the same level as the 435mVrms external audio signal.

Checking Procedure

(4) Check that the reception of the monitor TV connected to output terminal is also switched when Item (1) is checked.
Remark:
(1) The signals from the output terminals are the same as those of the picture and sound of the TV set.

Checking Procedure

(5) When the phono plug connected to Audio R terminal is pulled out with the external signal input, the sound from both left and right speakers should be normal (L monaural check).
When the phono plug is connected only to R terminal, check that the sound is output only from the right speaker.
(The sound should not be output from the left speaker.)
Check above in "VIDEO 2" and "VIDEO 3" modes.
Remark:
(1) The audio input terminals are switched over between stereo and monaural by switching the phono jacks.
- When the phono plugs are connected to both L and R: Stereo input mode.
- When the phono plug is connected only to L: Monaural input mode.

Checking Procedure

(6) When the Video (S-In) is selected, the picture and sound from the Y/C separated signal should be received.
However, the output signal is composite signal of S-Video input signal.
(7) The signal controlled from the TV side (Bass, Treble, Balance, Volume, Mute, Surround) should be output from Audio to Hi-Fi output terminal when Item (1) is checked.
(8) The signal controlled from the TV side (P in P VOLUME when the "WIRELESS MODE" is P in P, BASS, TREBLE, BALANCE, VOLUME, SURROUND, MUTE when the output "WIRELESS MODE" is main or rear) should be output from transmitter terminals.

4. POLARITY CHECK

This check is performed according to UL standard requirement. There should be electricity between AC power cord and chassis earth.

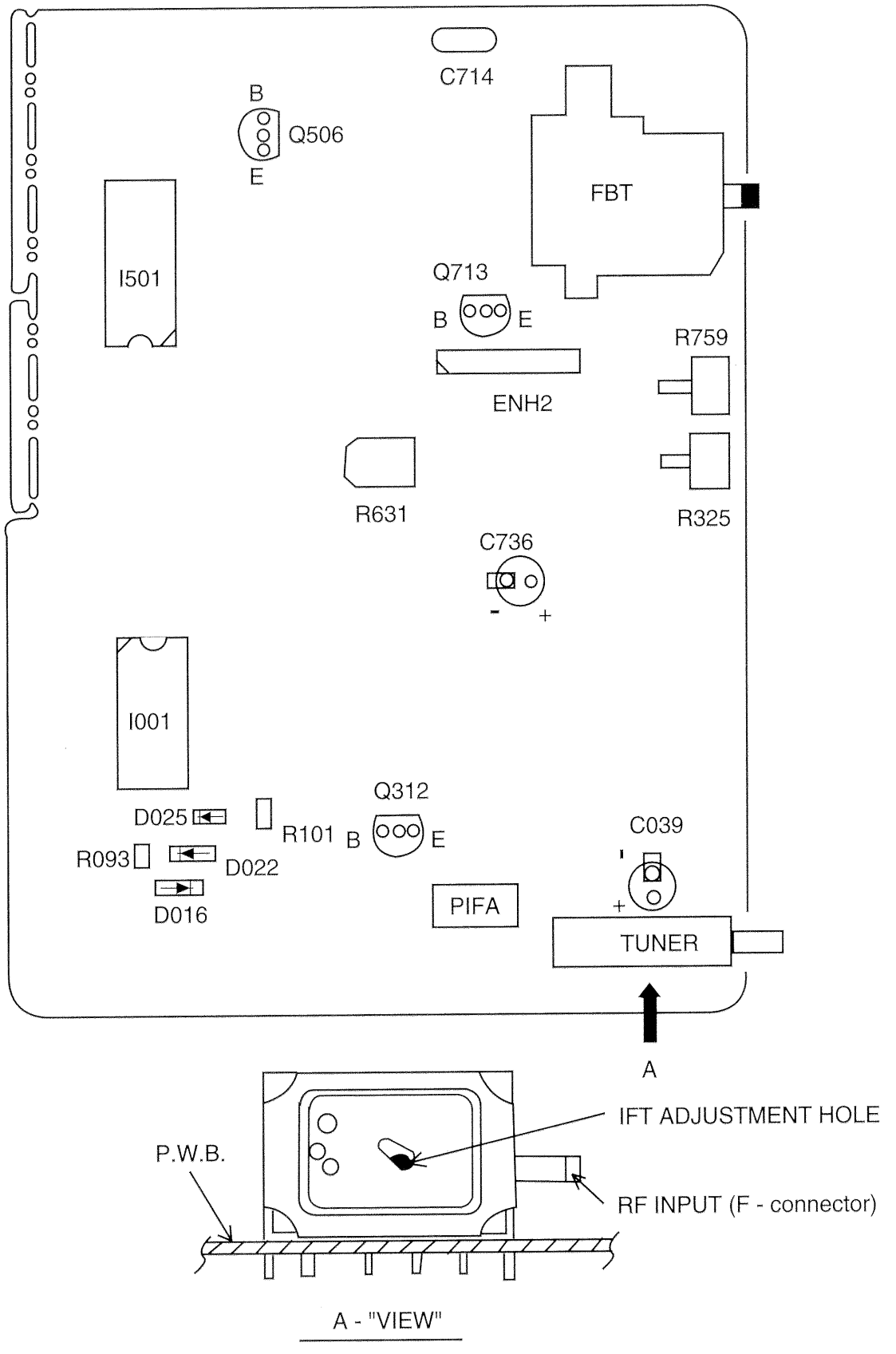
VI. INITIAL SETTING

NO.	NAME	SPEC	35UX80B	35TX79K	32UX8B/35UX70BA	32UX8B	
1	Reception Channel	03 CH	○	○	○	○	
2	ANTENNA	VHF/UHF	○	—	—	—	
3	AVX	TV	○	○	○	○	
4	VOLUME	20 STEP	○	○	○	○	
5	P IN P	OFF	○	○	○	○	
6	P in P POSITION	LOWER RIGHT (P in P ON)	○	○	○	○	
7	CCD	OFF	○	○	○	○	
8	AIR/CABLE	AIR	○	○	○	○	
9	CHANNEL MEMORY	02~13 CH	○	○	○	○	
10	CHANNEL CAPTION	No Registered for all Channels	○	○	○	○	
11	CHILD LOCK	OFF for all Channels	○	○	○	○	
12	VOLUME CORRECTION	OFF for all Channels	○	○	○	○	
13	CLOCK SET	OFF	○	○	○	○	
14	CONTRAST	MAXIMUM	○	○	○	○	
15	TINT	1/2	○	○	○	○	
16	COLOR	1/2	○	○	○	○	
17	BRIGHTNESS	1/2	○	○	○	○	
18	SHARPNESS	1/2	○	○	○	○	
19	ULTRA VIEW AI	OFF	○	○	○	○	
20	BALANCE	1/2	○	○	○	○	
21	BASS	1/2	○	○	○	○	
22	TREBLE	1/2	○	○	○	○	
23	MTS MODE	STEREO	○	○	○	○	
24	DYNAMIC BASS	OFF	○	○	○	○	
25	INT. SPEAKERS	ON	○	○	○	○	
26	REAR VOLUME	20 STEP	○	○	○	○	
27	CENTER VOLUME	20 STEP	○	—	—	—	
28	SURROUND	OFF	○	○	○	○	
29	PRO LOGIC MODE	PRO LOGIC	○	—	—	—	
30	FREEZE	OFF	○	○	○	○	
31	CCD MODE	CAPTION	○	○	○	○	
32	CCD CHANNEL	CH1	○	○	○	○	

VI. INITIAL SETTING

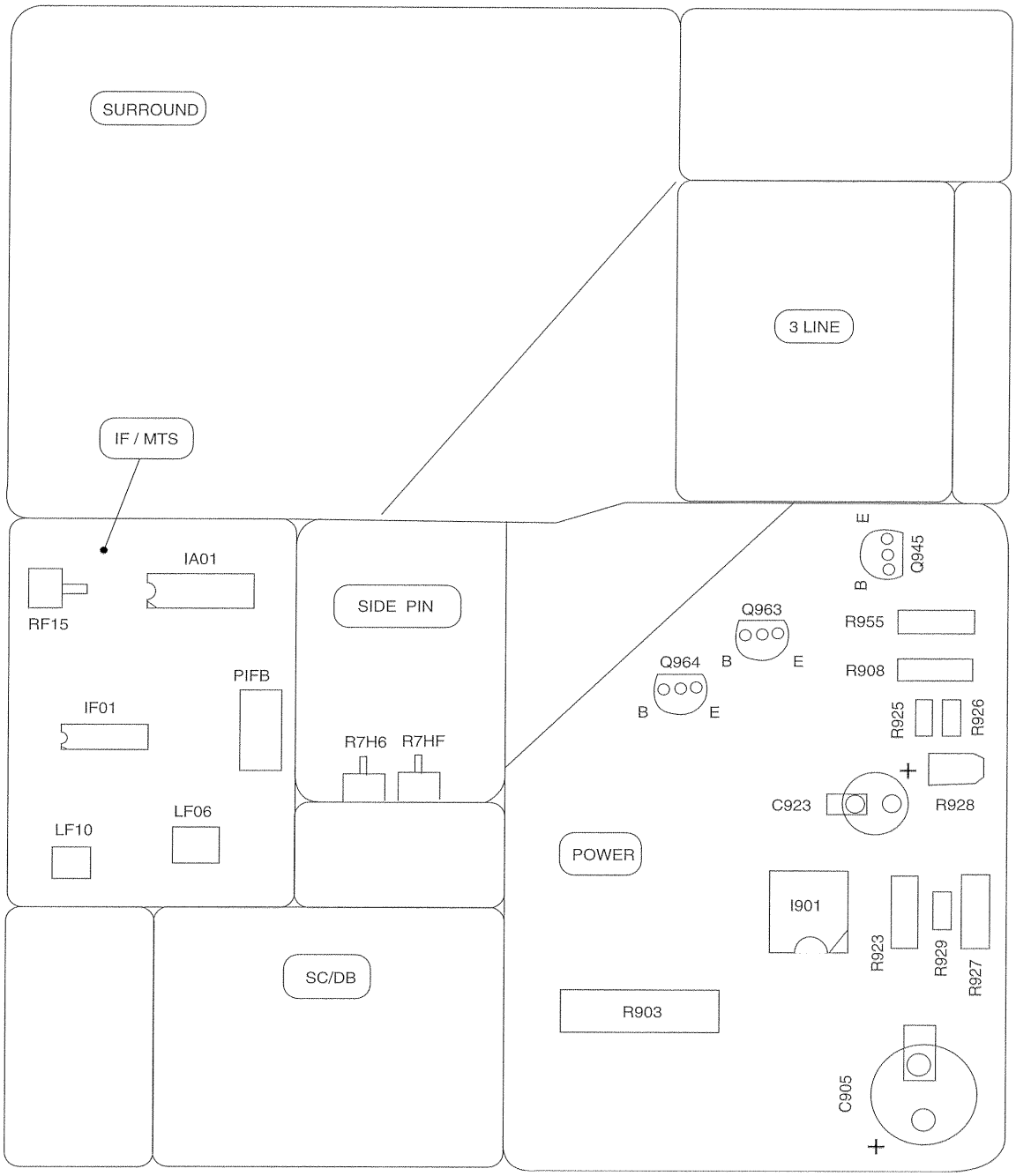
NO.	NAME	SPEC	35UX80B	35TX79K	32UX8B/35UX70BA	32UX8B	
33	MENU LANGUAGE	ENGLISH	○	○	○	○	
34	ON/OFF TIMER	No Registered	○	○	○	○	
35	MESSAGE	No Registered	○	○	○	○	
36	CALENDAR	95 JAN.	○	○	○	○	
37	AUTOCOLOR	ON	○	○	○	○	
38	NOTCH FILTER	OFF	—	○	○	—	
39	NOISE REDUCTION	OFF	○	○	○	○	
40	WHITE CONTROL	COOL	○	○	○	○	
41	LOUDNESS	OFF	○	○	○	○	
42	WIRELESS MODE	AOM	○	○	○	○	
43	SUB PICTURE VOLUME	10 STEP	○	○	○	○	
44	VOLUME (FRONT)—MATRIX	20 STEP	○	○	○	○	
45	VOLUME (FRONT)—HALL	20 STEP	○	○	○	○	
46	VOLUME (FRONT)—DOLBY	20 STEP	○	○	○	○	
47	VOLUME (REAR)—MATRIX	20 STEP	○	○	○	○	
48	VOLUME (REAR)—HALL	20 STEP	○	○	○	○	
49	VOLUME (REAR)—DOLBY	20 STEP	○	○	○	○	
50	TEST TONE (FRONT L)	32 STEP	○	○	○	○	
51	TEST TONE (CENTER)	32 STEP	○	○	○	○	
52	TEST TONE (FRONT R)	32 STEP	○	○	○	○	
53	TEST TONE (REAR)	32 STEP	○	○	○	○	
54	INPUT BALANCE	CENTER	○	○	○	○	
55	FRONT VOLUME	20 STEP	○	○	○	○	

V. Adjustment position list (MAIN)

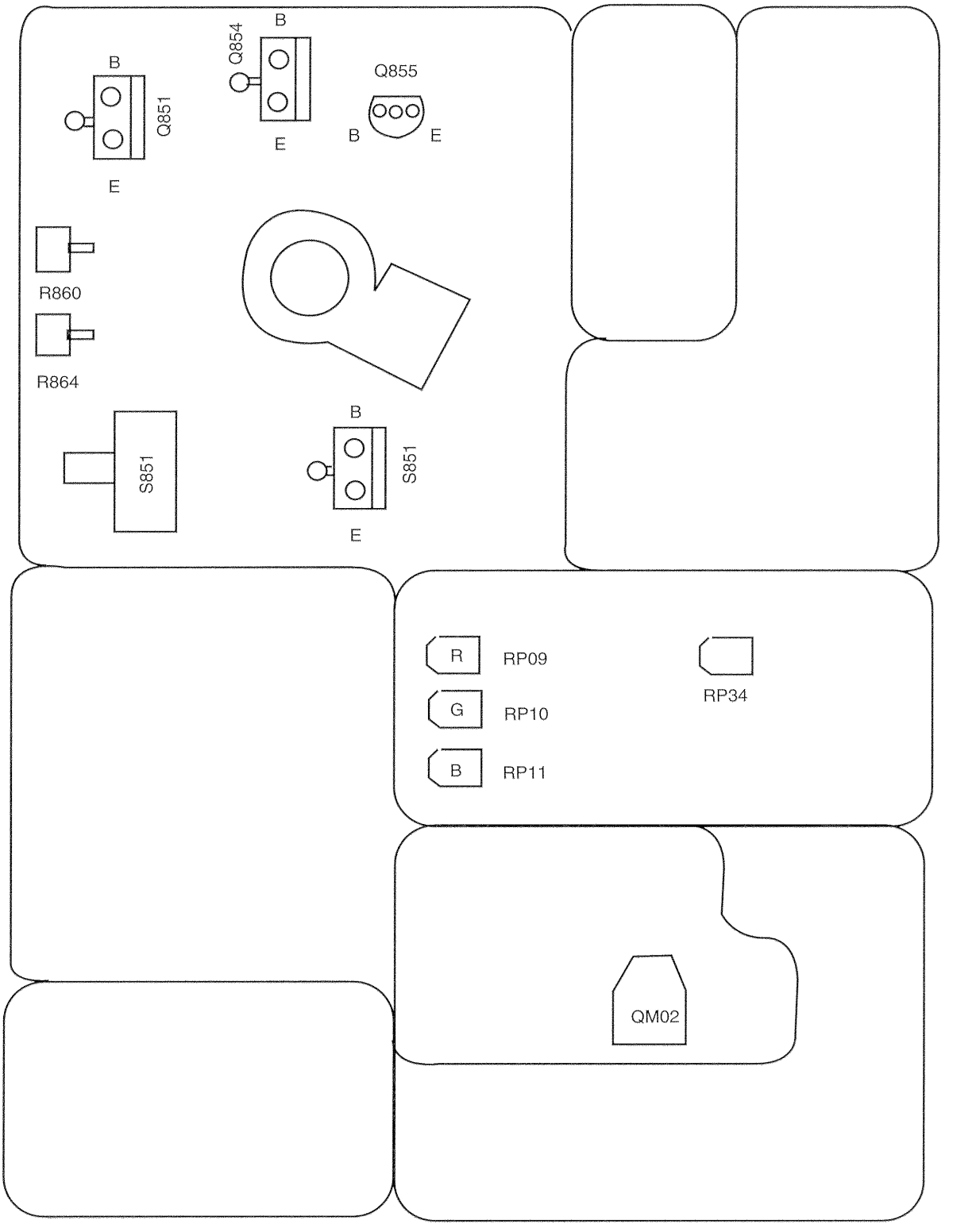


A - "VIEW"

V. Adjustment position list (SURROUND)



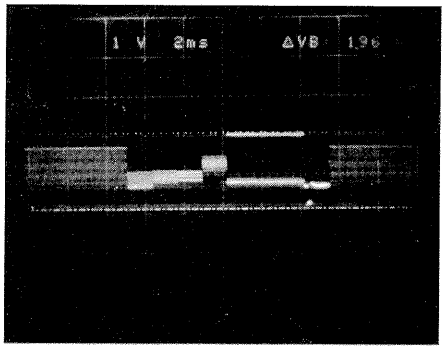
V. Adjustment position list (CPT)



WAVEFORMS AT EACH SECTIONS

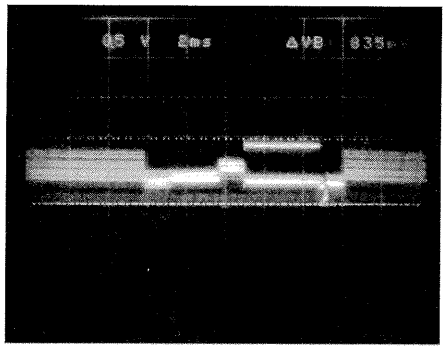
Numbers inside ◯ correspond to locations shown in the circuit diagram

① I001 Pin 26 CCD-In



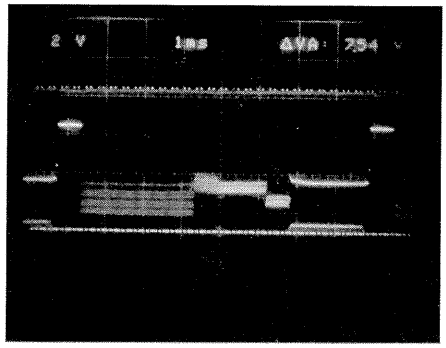
1V/div. 2ms/div.

⑤ I501 Pin 55 Y-In



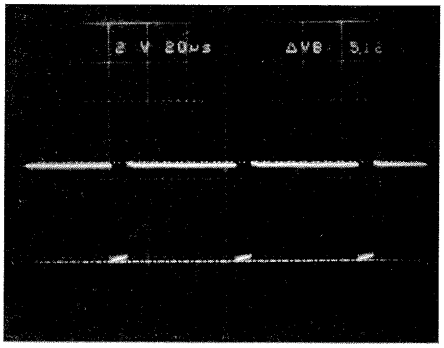
0.5V/div. 2ms/div.

⑨ I501 Pin 13 - Y



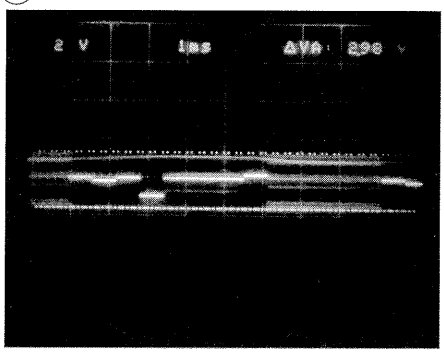
2V/div. 2ms/div.

② I001 Pin 39 H-Sync



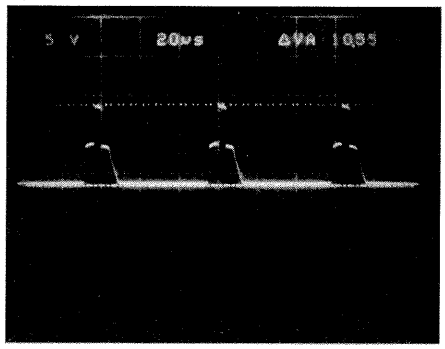
2V/div. 20µs/div.

⑥ I501 Pin 10 R-Y



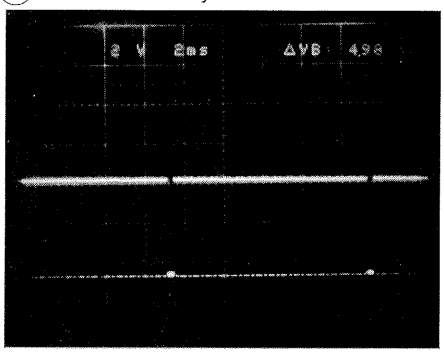
2V/div. 1ms/div.

⑩ I501 Pin 25 FBP



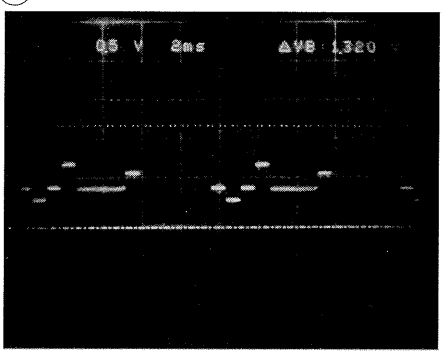
5V/div. 20µs/div.

③ I001 Pin 55 V-Sync



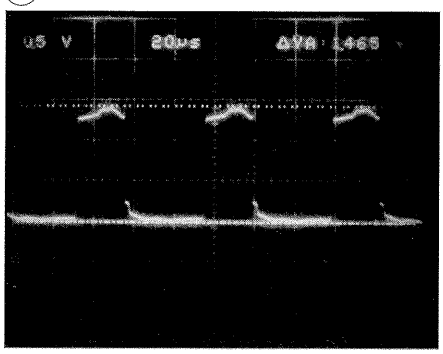
2V/div. 2ms/div.

⑦ I501 Pin 11 G-Y



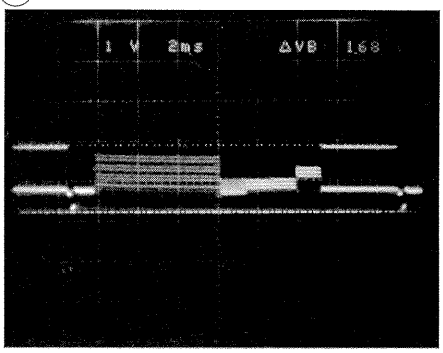
0.5V/div. 2ms/div.

⑪ I501 Pin 26 H Out



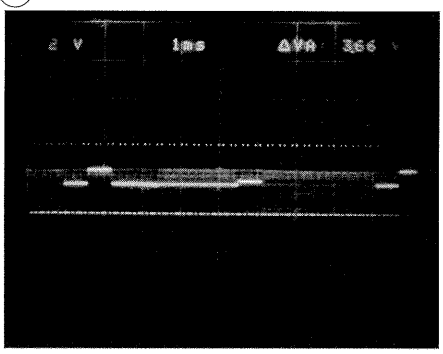
0.5V/div. 20µs/div.

④ Q304 Base



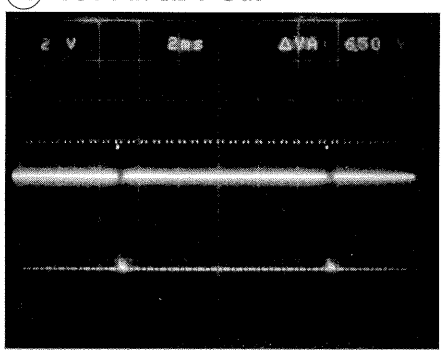
1V/div. 2ms/div.

⑧ I501 Pin 12 B-Y



2V/div. 1 ms/div.

⑫ I501 Pin 32 V Out

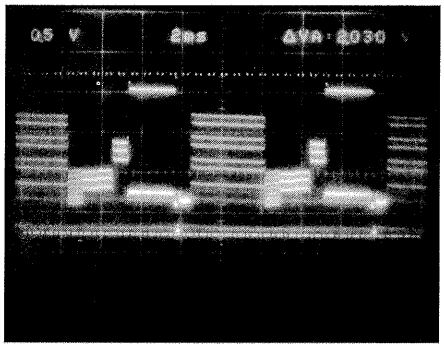


2V/div. 2ms/div.

WAVEFORMS AT EACH SECTIONS

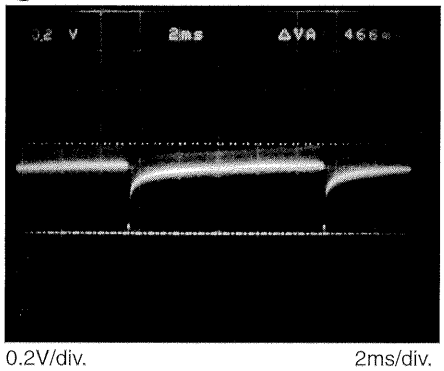
Numbers inside ◯ correspond to locations shown in the circuit diagram

(13) I501 Pin 34 H-Sync In



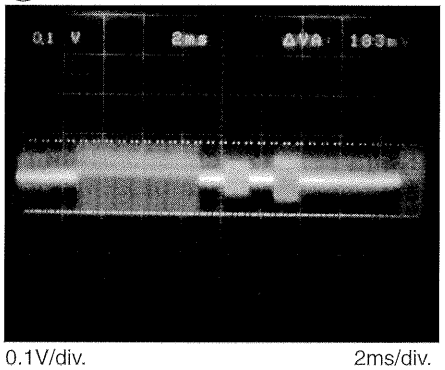
0.5V/div. 2ms/div.

(14) I501 Pin 35 V-Sync In



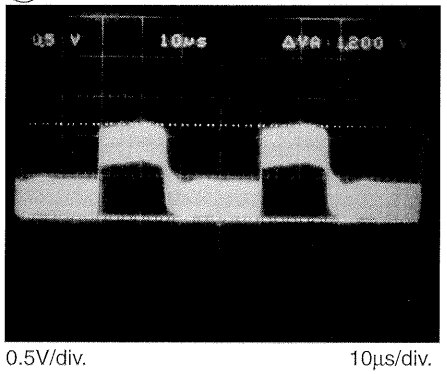
0.2V/div. 2ms/div.

(15) I501 Pin 46 C-In



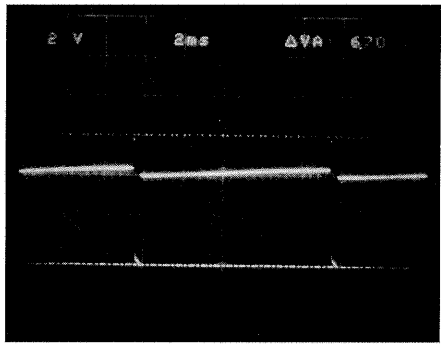
0.1V/div. 2ms/div.

(16) Q710 Base Hor. Drive



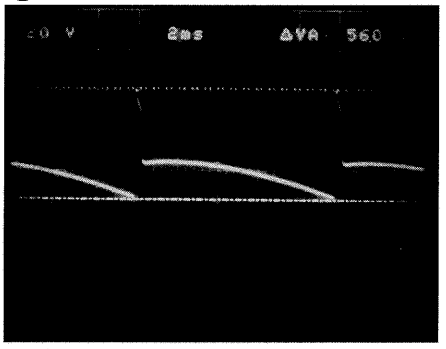
0.5V/div. 10µs/div.

(17) I620 Pin 2 Ver. Drive



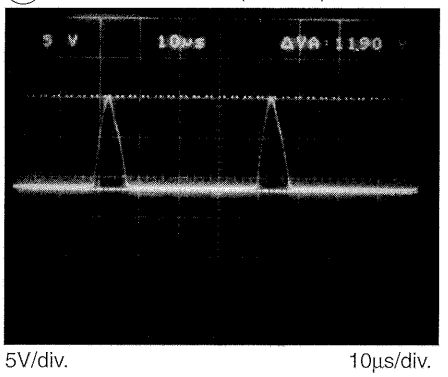
2V/div. 2ms/div.

(18) I620 Pin 12 Ver. Out



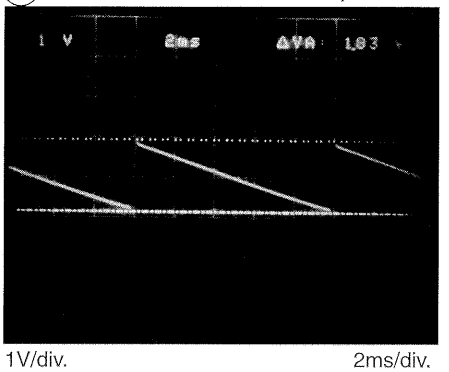
20V/div. 2ms/div.

(19) Q711 Collector (H.O.T.)



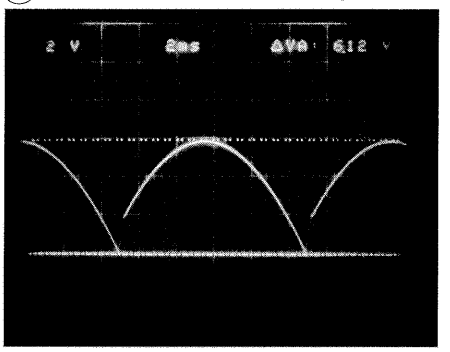
5V/div. 10µs/div.

(20) P65B Pin 1 Side Pin Amp. +



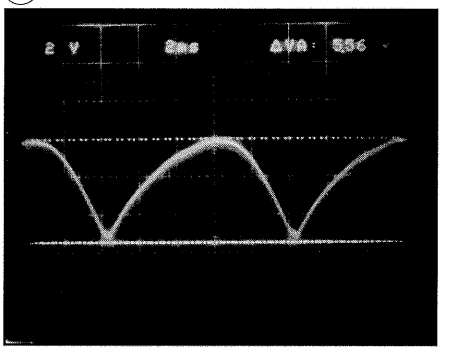
1V/div. 2ms/div.

(21) P65B Pin 2 Side Pin Amp. -



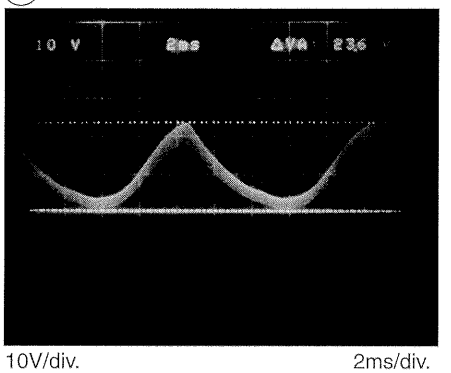
2V/div. 2ms/div.

(22) Q6H0 Emitter Side Pin Drive



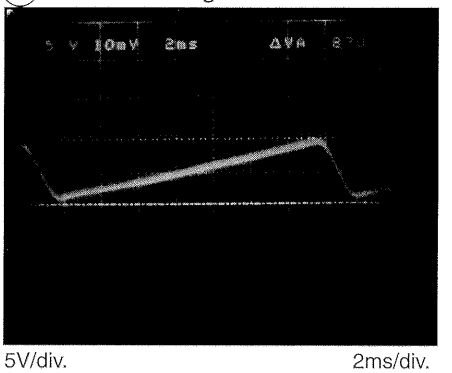
2V/div. 2ms/div.

(23) Q714 Collector Side Pin Out



10V/div. 2ms/div.

(24) I901 Pin 1 reg. Out

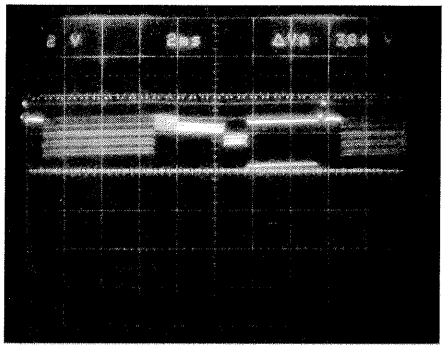


5V/div. 2ms/div.

WAVEFORMS AT EACH SECTIONS

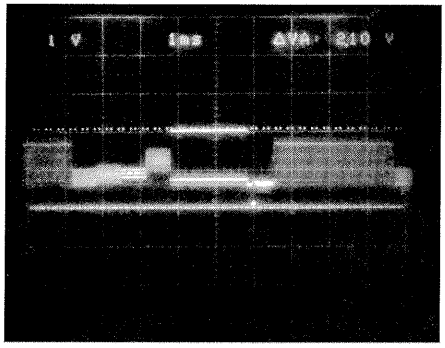
Numbers inside ◯ correspond to locations shown in the circuit diagram

(25) QV03 Base



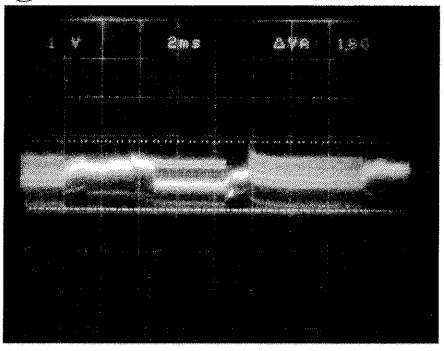
2V/div. 2ms/div.

(29) QF03 Emitter Video Out



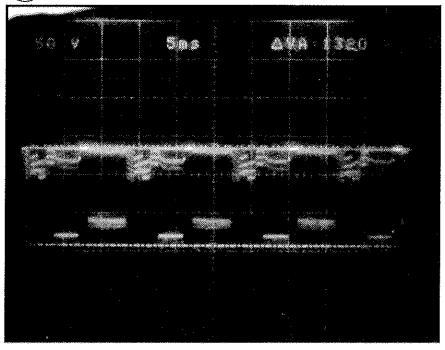
1V/div. 1ms/div.

(26) QV07 Emitter



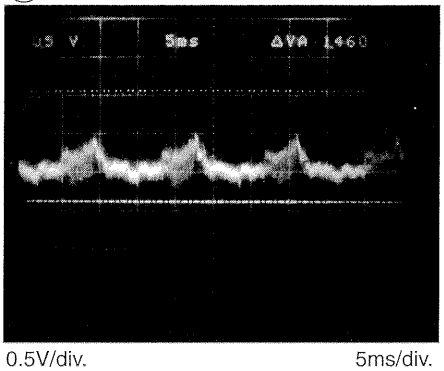
1V/div. 2ms/div.

(30) Q852 Collector Video Amp.-Red



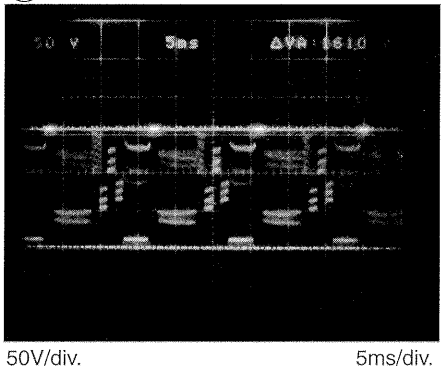
50V/div. 5ms/div.

(27) PVMC Pin 1 Coil +



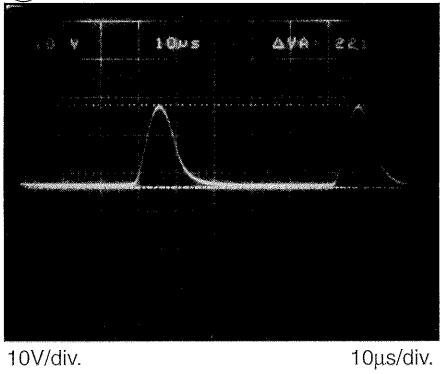
0.5V/div. 5ms/div.

(31) Q857 Collector Video Amp.-Blue



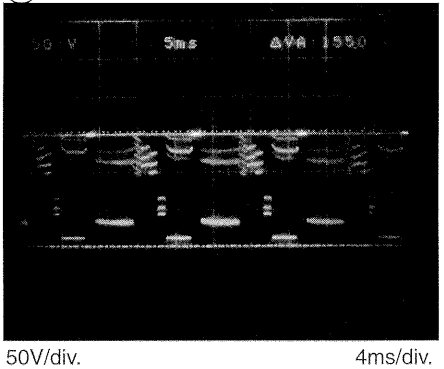
50V/div. 5ms/div.

(28) PY2 Pin 4 Heater



10V/div. 10µs/div.

(32) Q854 Collector Video Amp.-Green



50V/div. 4ms/div.

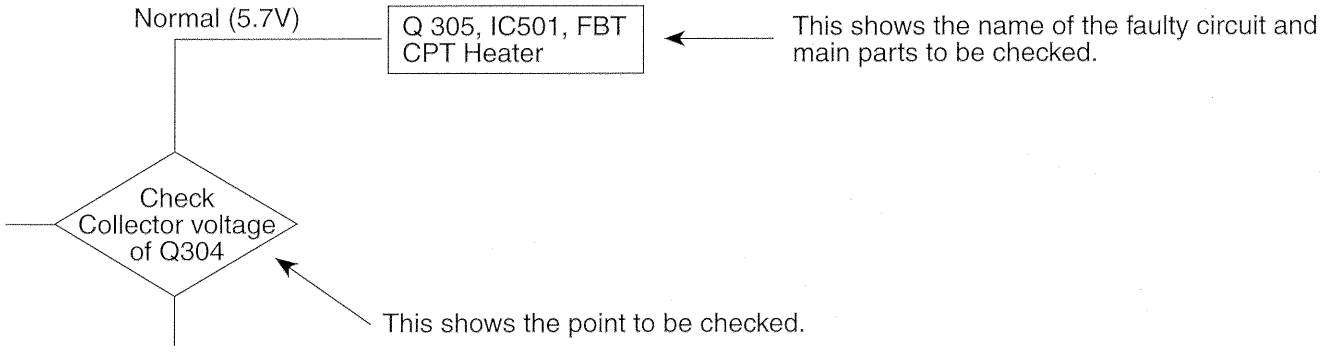
TROUBLESHOOTING

PRODUCT SAFETY NOTICE

The shaded and ⚠ 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 these components.

HOW TO USE THE FLOW CHART

(1) The flow chart shows the following:



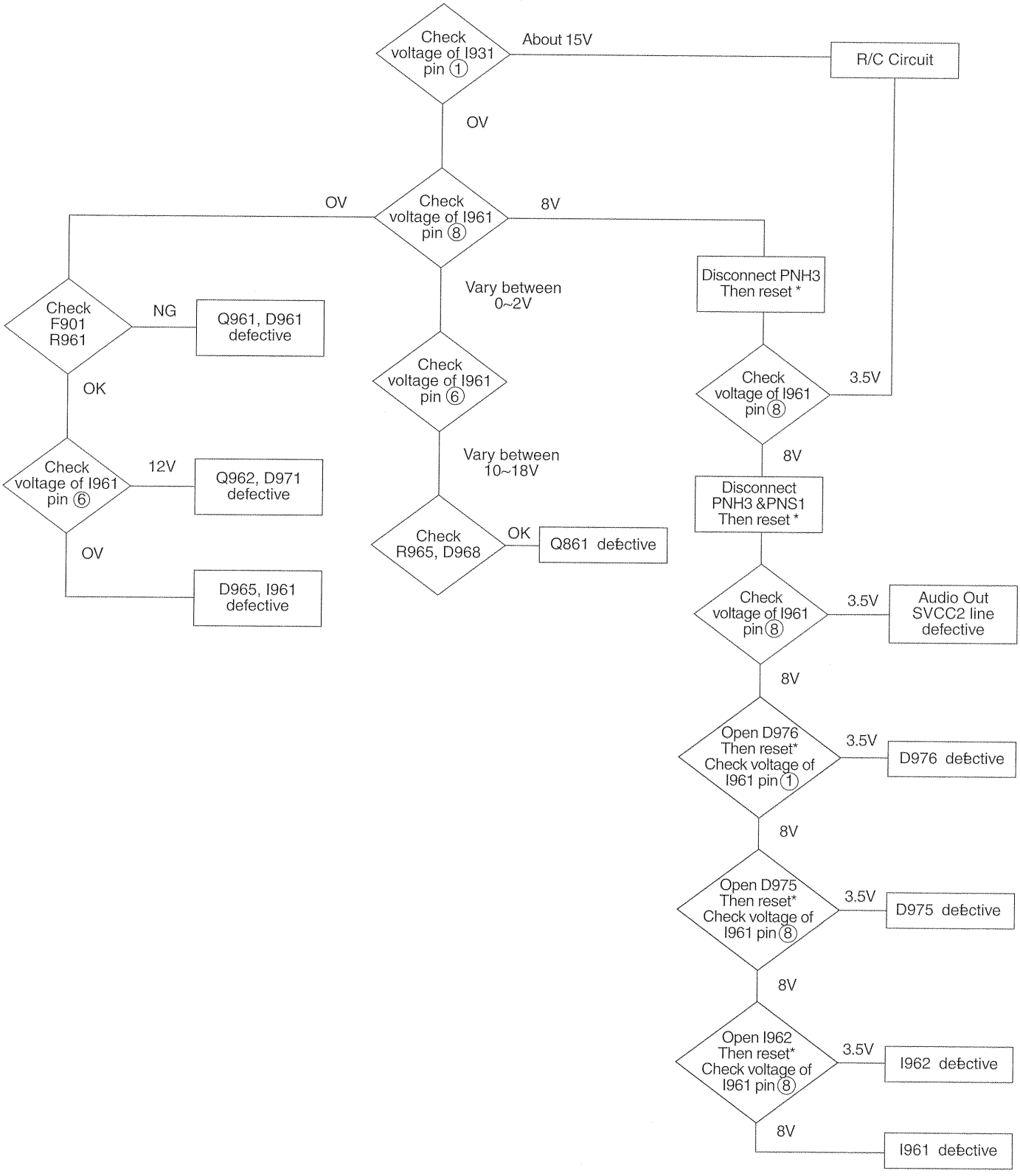
(2) The voltage shown in the chart may differ to some extent depending on the condition of the set and tester.

PRECAUTION ON MAKING MEASUREMENTS AND ON HANDLING

1. When any parts become abnormally hot or there is a smell of burning, cut off the pwer 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.
5. 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.

TROUBLESHOOTING

① POWER RELAY DOES NOT TURN ON

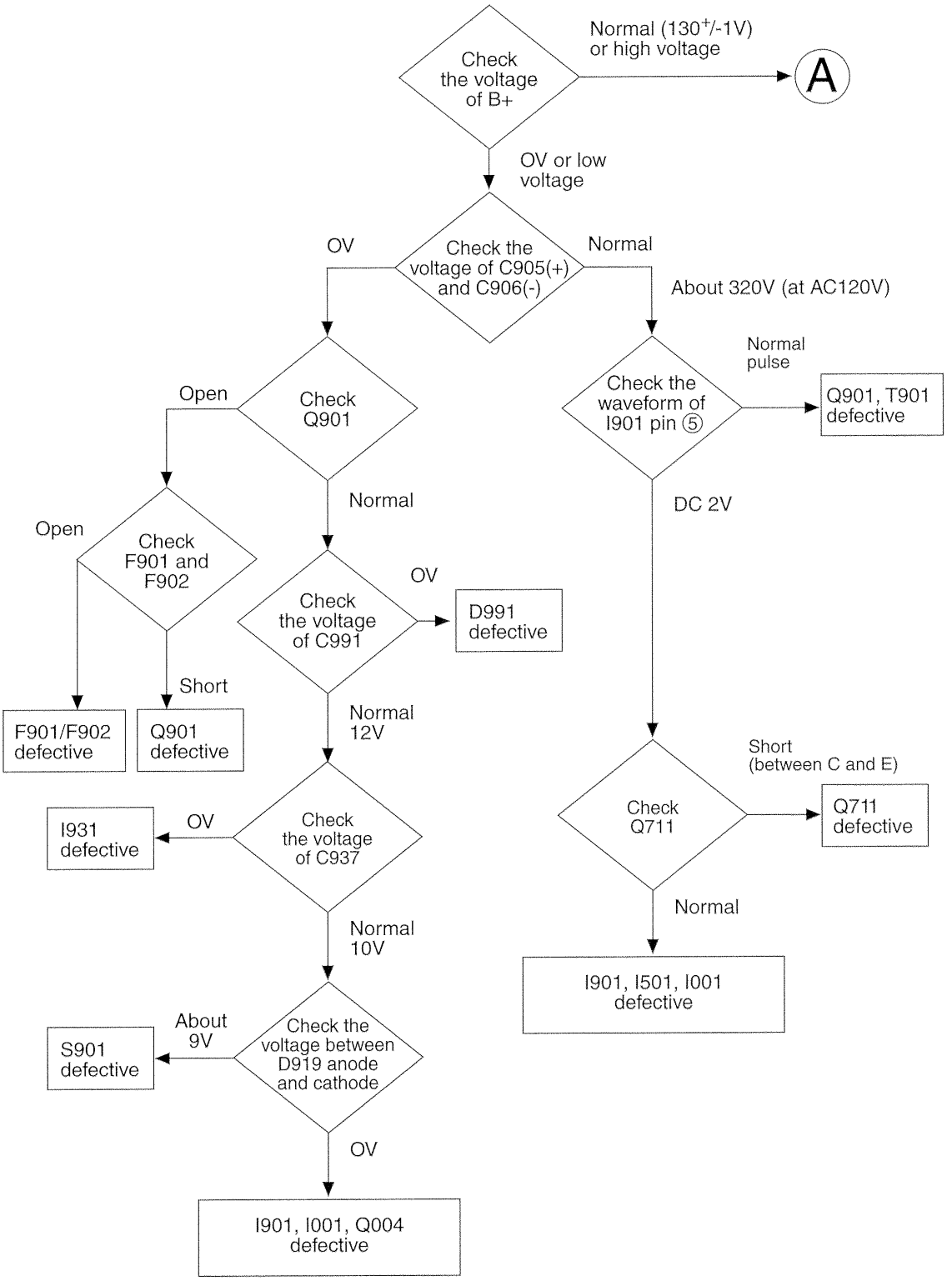


Note/Caution:

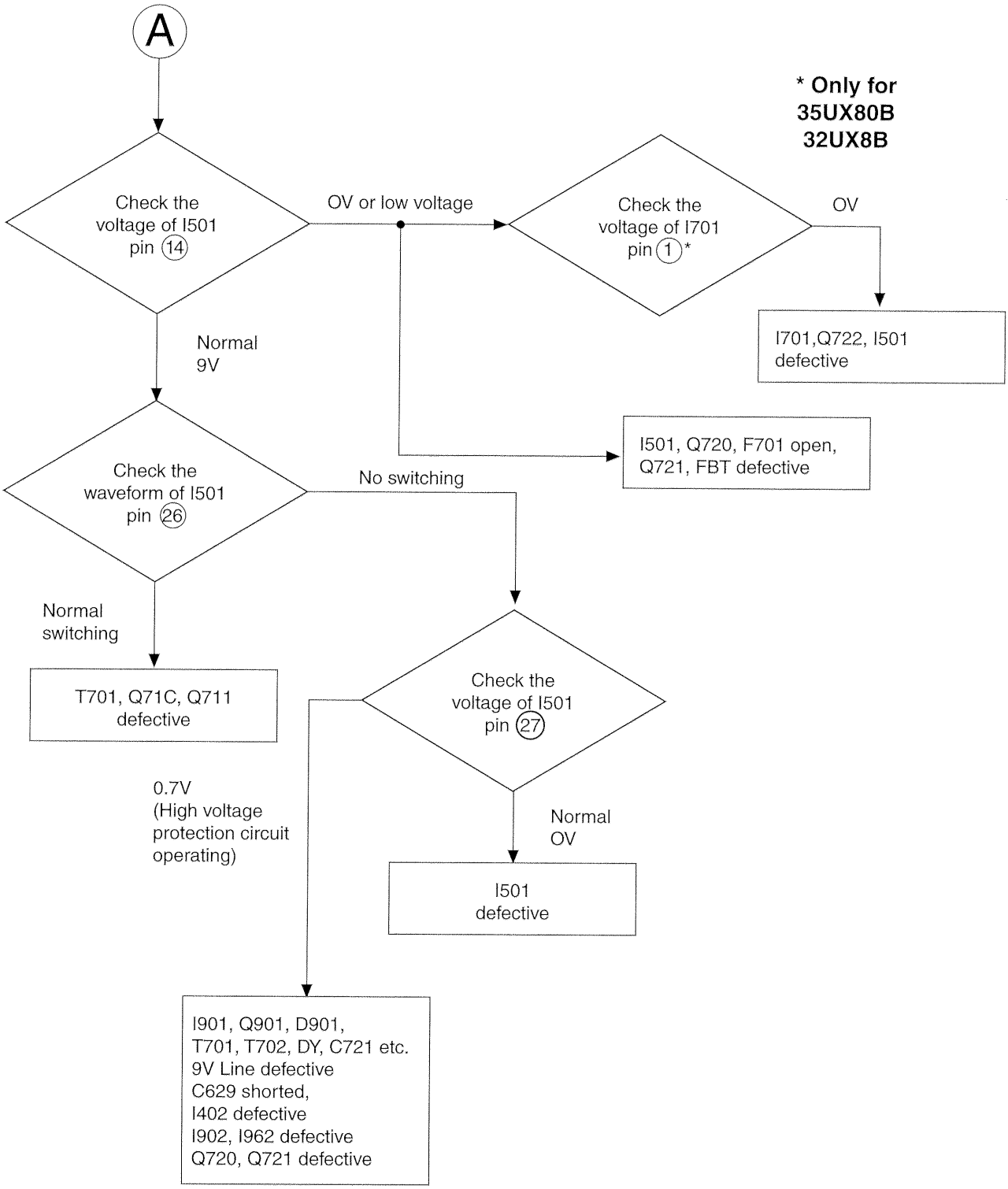
* Reset means to make a short circuit between IC961 pin ⑥ and pin ④. Do not remove power cord from Isolation Transformer AC outlet when doing this Reset.

TROUBLESHOOTING

② NO RASTER AND SOUND

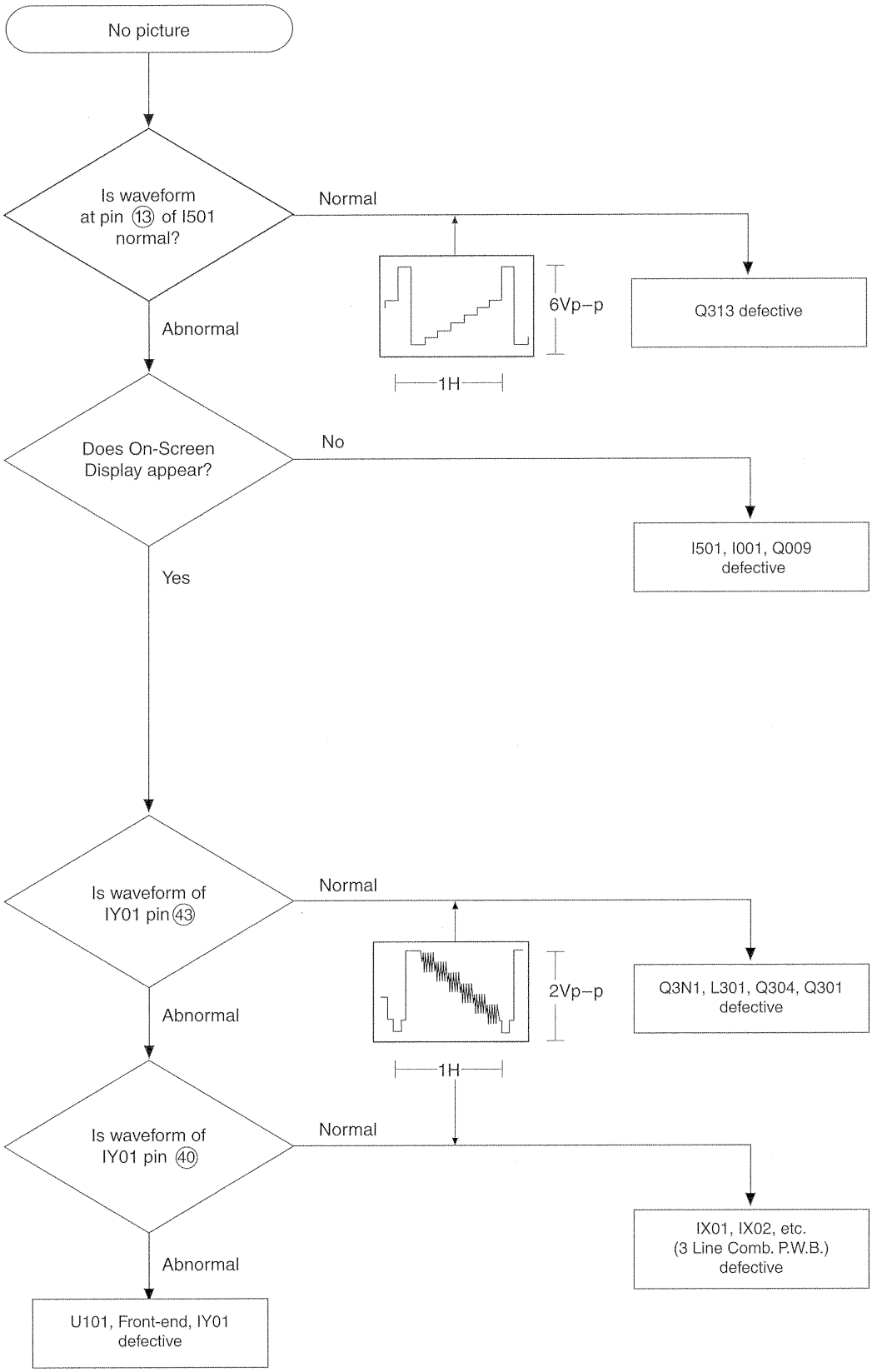


TROUBLESHOOTING



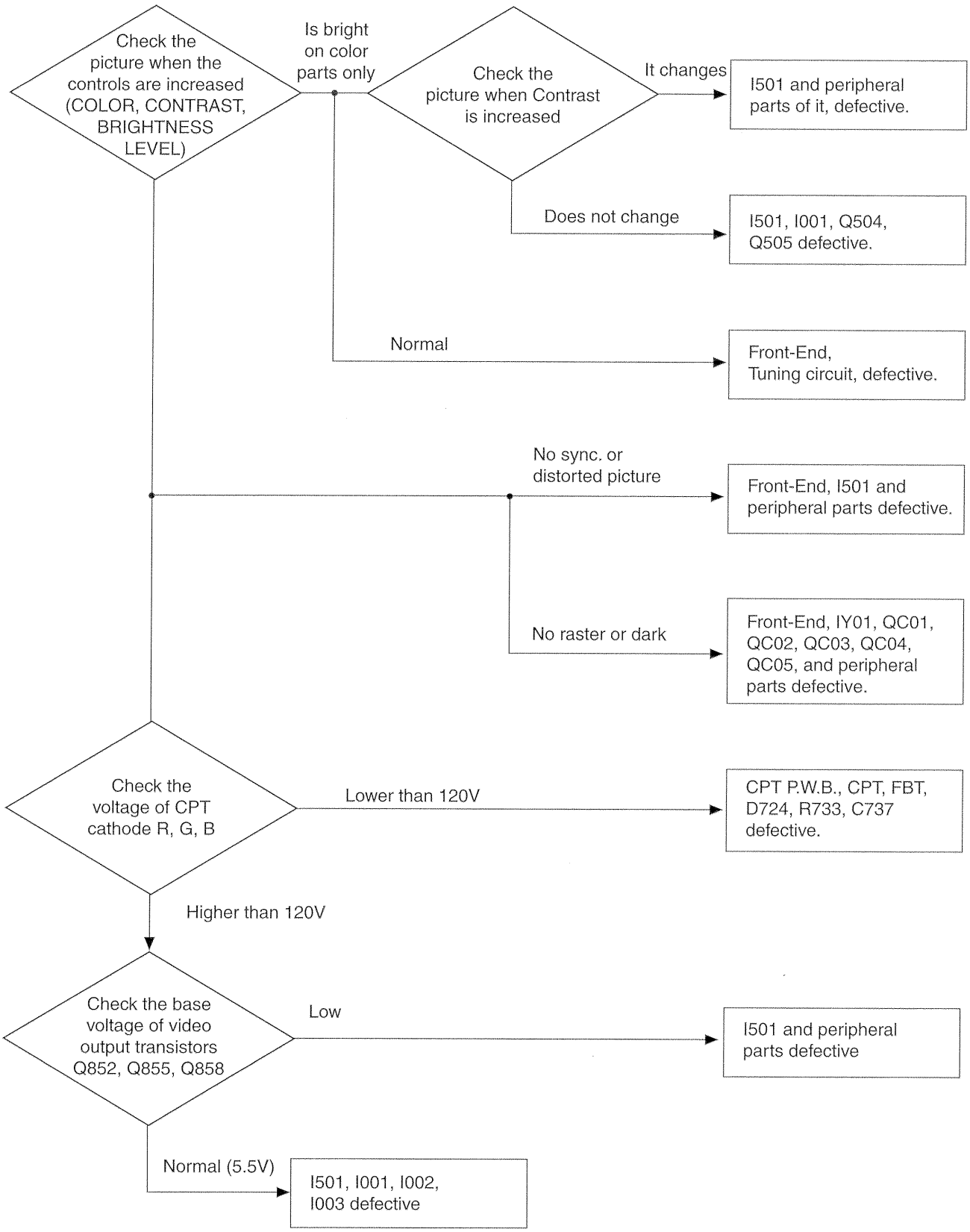
TROUBLESHOOTING

③ NO PICTURE



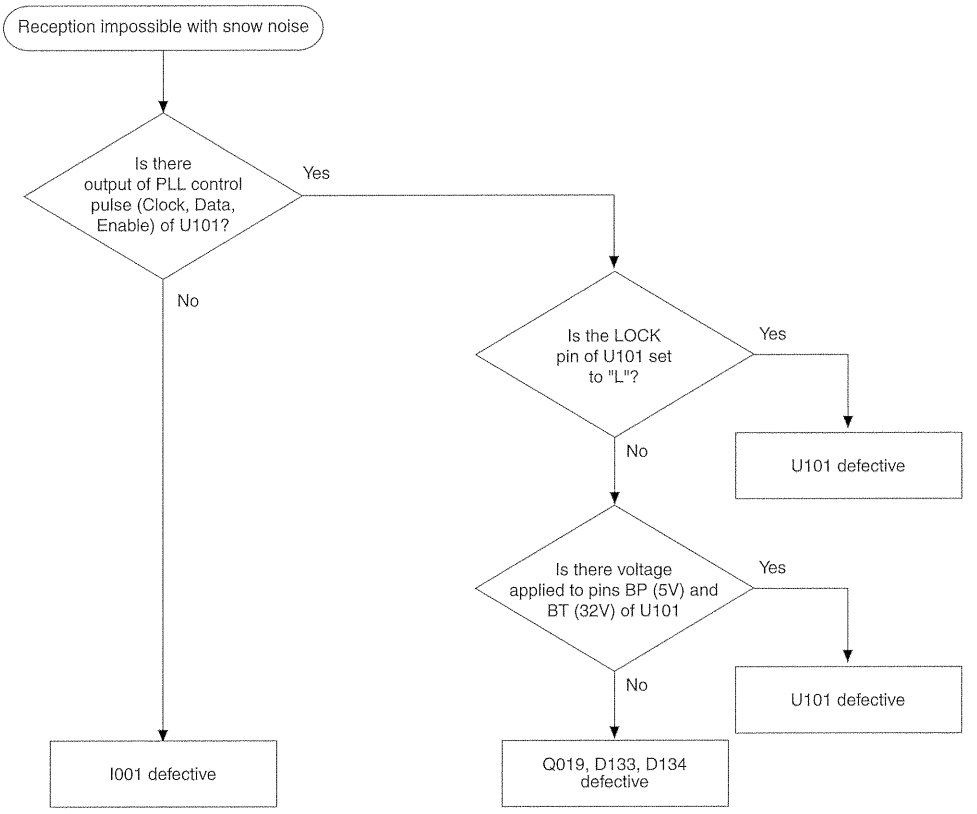
TROUBLESHOOTING

④ DARK PICTURE

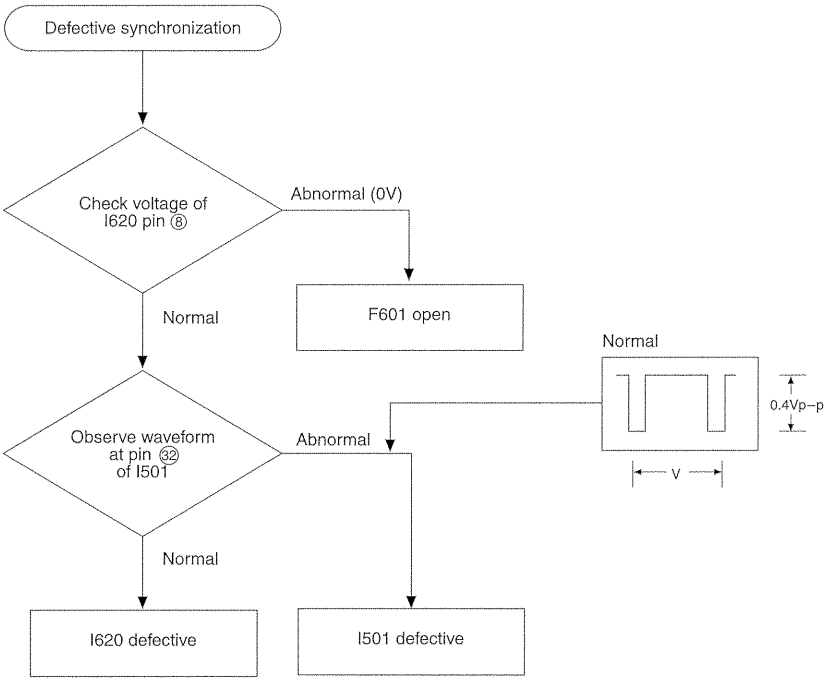


TROUBLESHOOTING

⑤ RECEPTION IMPOSSIBLE WITH SNOW NOISE

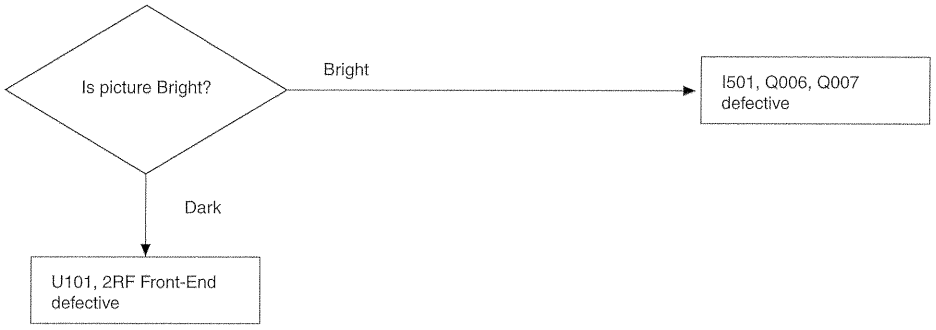


⑥ DEFECTIVE SYNCHRONIZATION

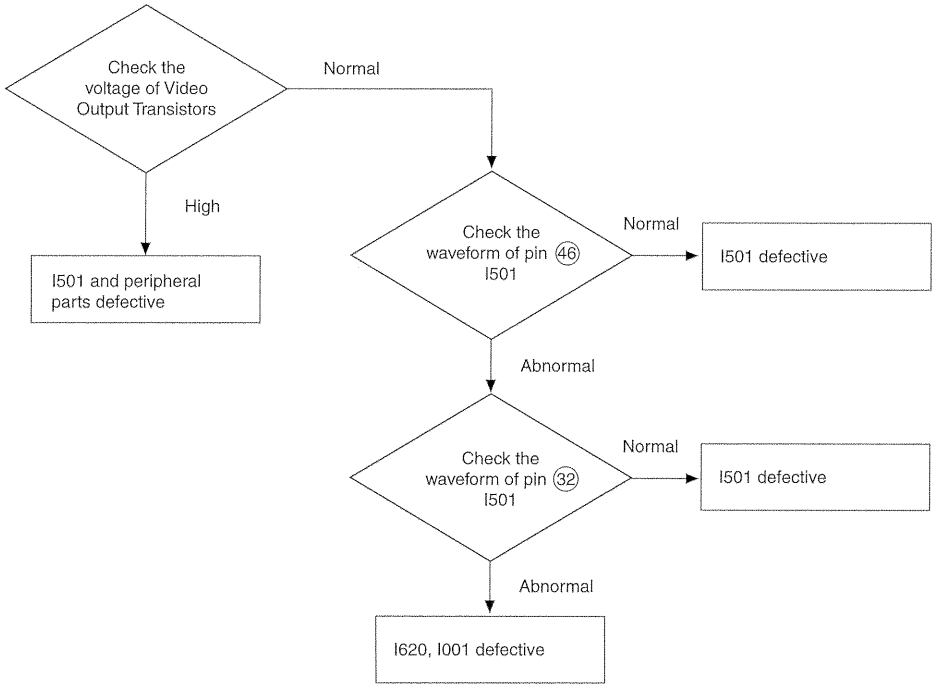


TROUBLESHOOTING

⑦ NO SYNC.

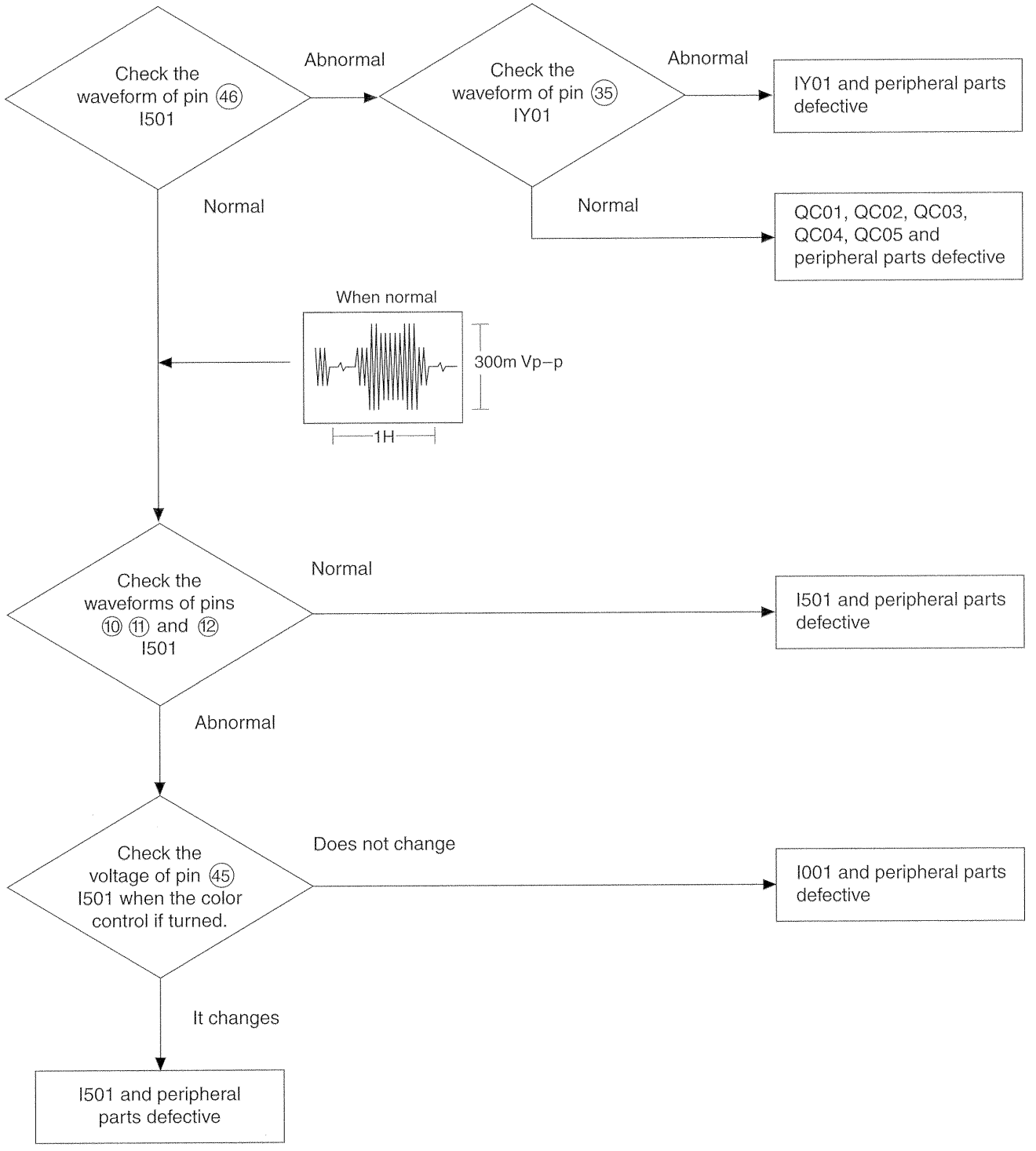


⑧ ONLY RASTER OR FLYBACK TRACE APPARENT ON PICTURE



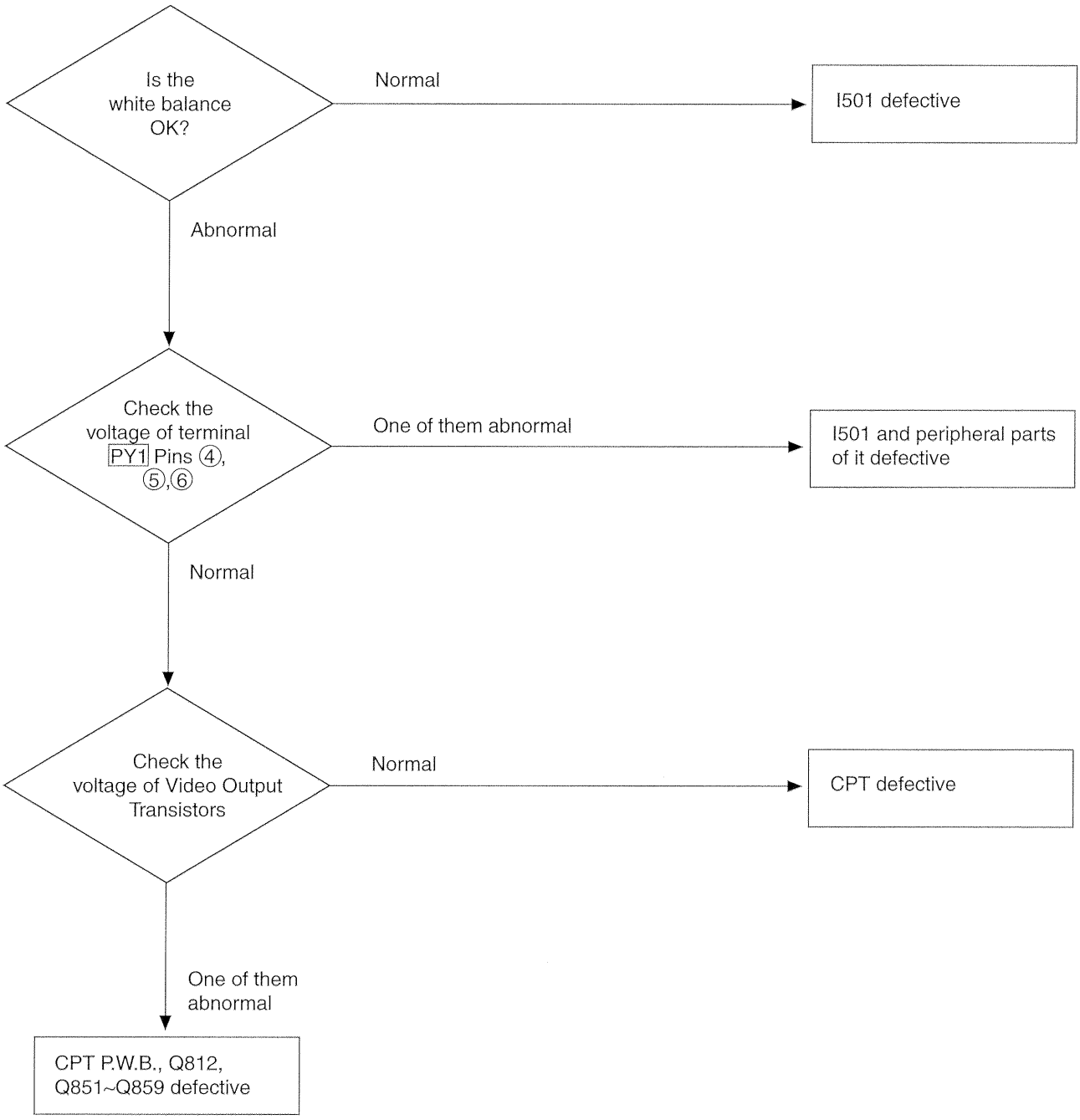
TROUBLESHOOTING

⑨ NO COLOR



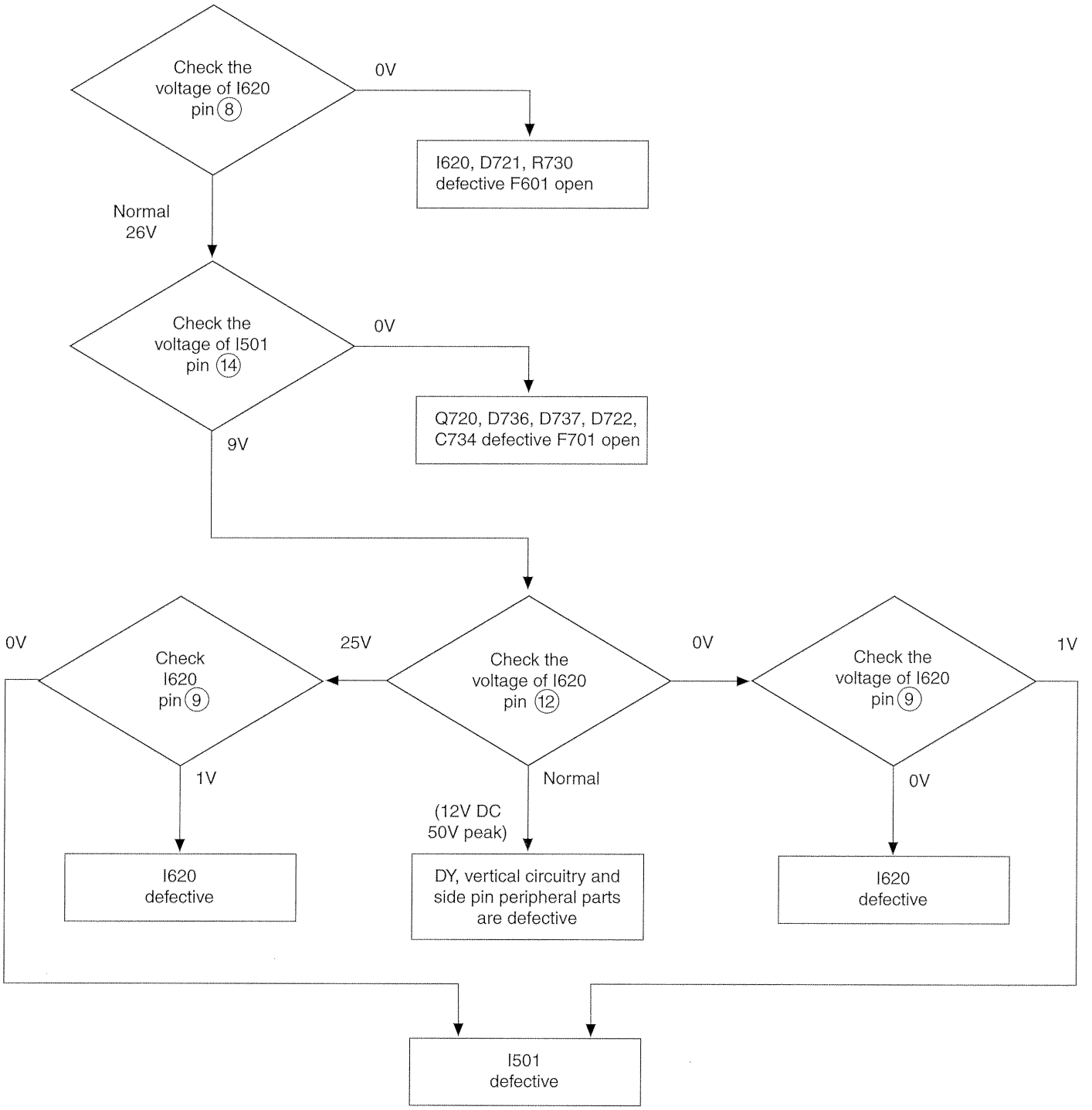
TROUBLESHOOTING

⑩ WHITE BALANCE/TINT DEFECTIVE



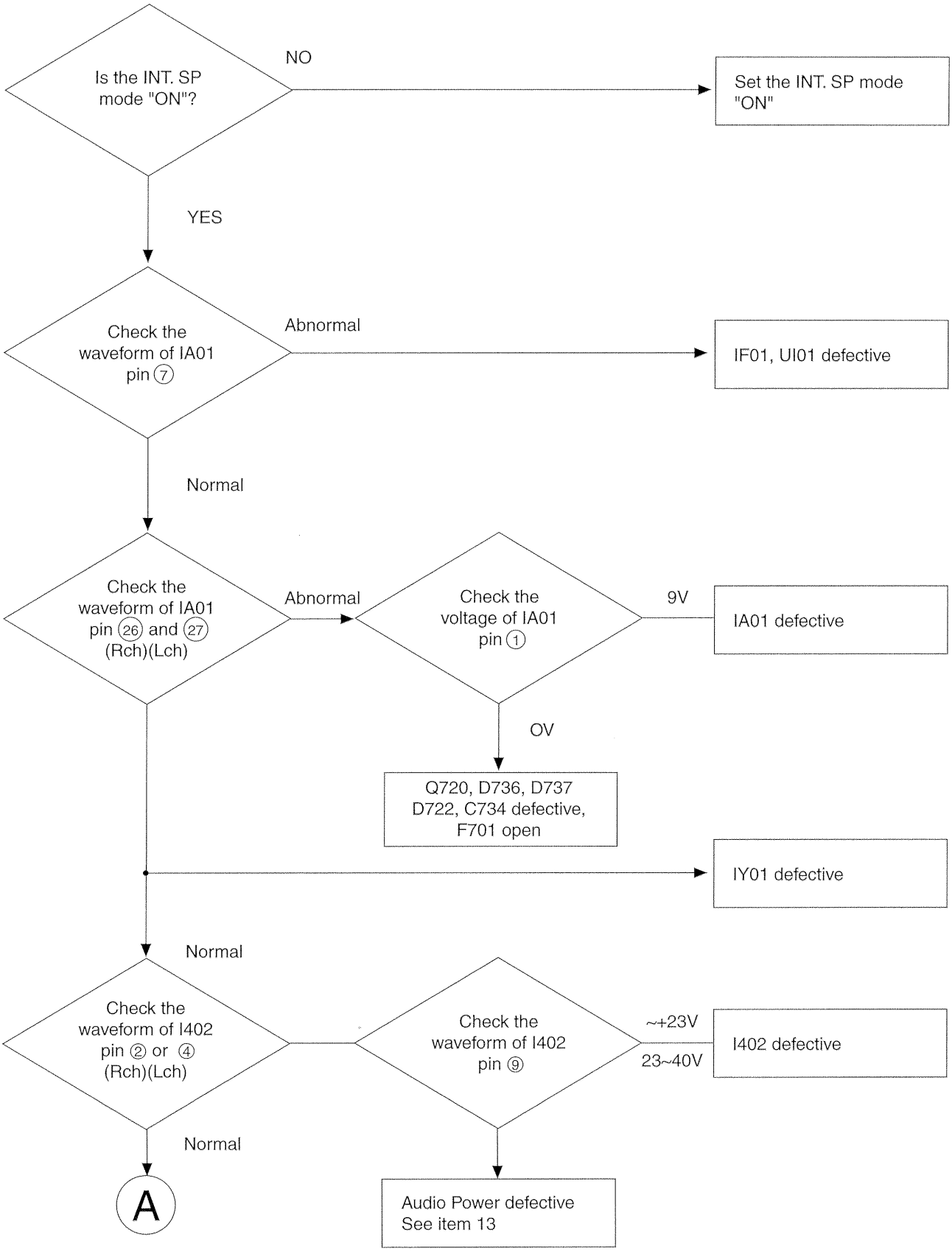
TROUBLESHOOTING

⑪ NO VERTICAL DEFLECTION OR V. SIZE IS DISTORTEDZ

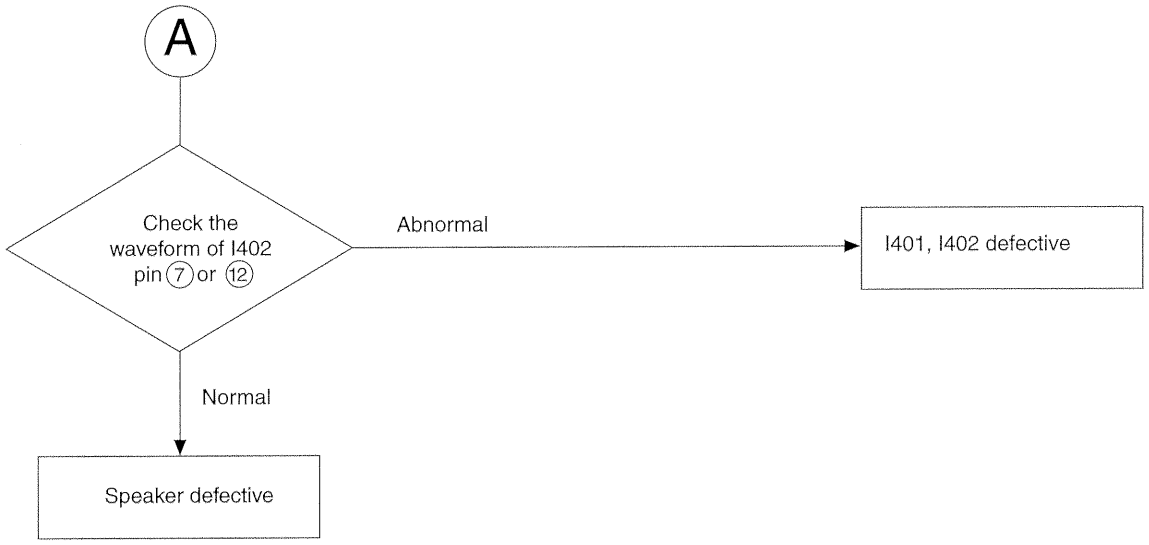


TROUBLESHOOTING

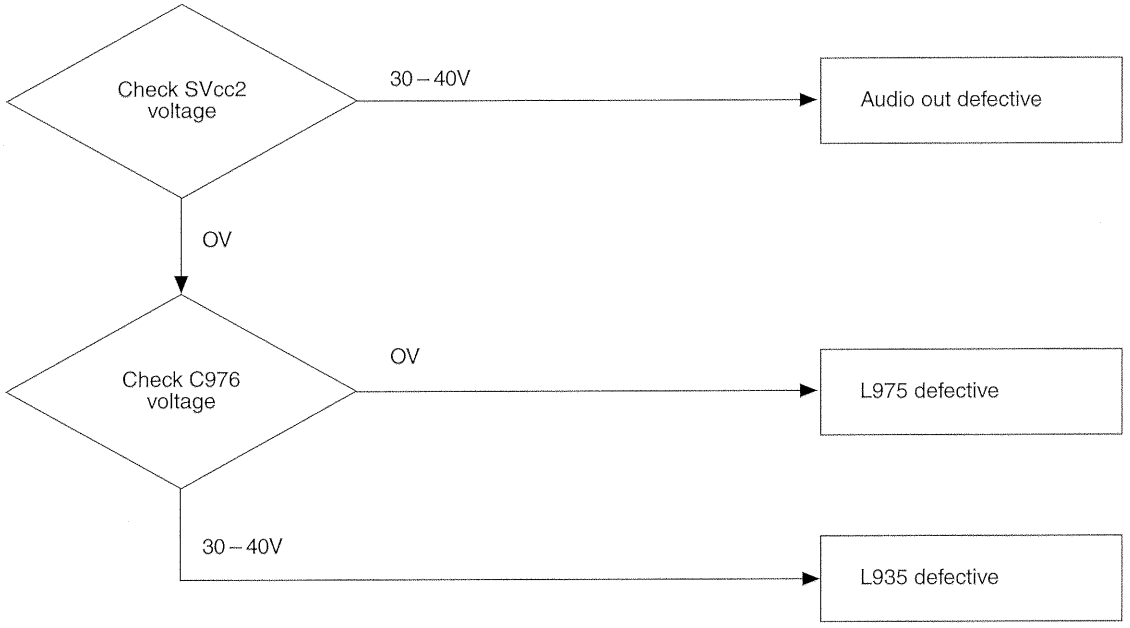
⑫ NO SOUND



TROUBLESHOOTING

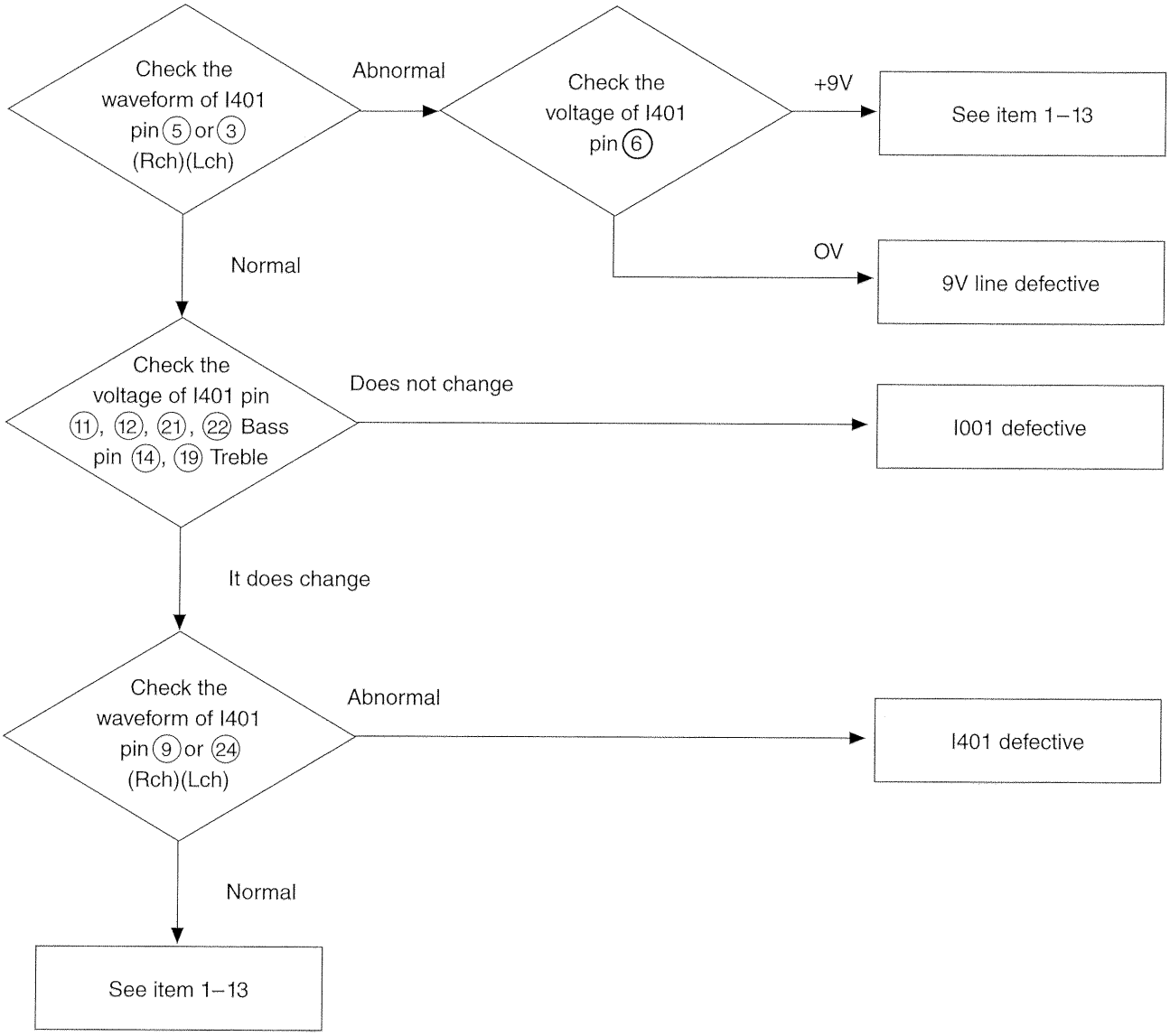


(13) NO SOUND (NO AUDIO POWER)



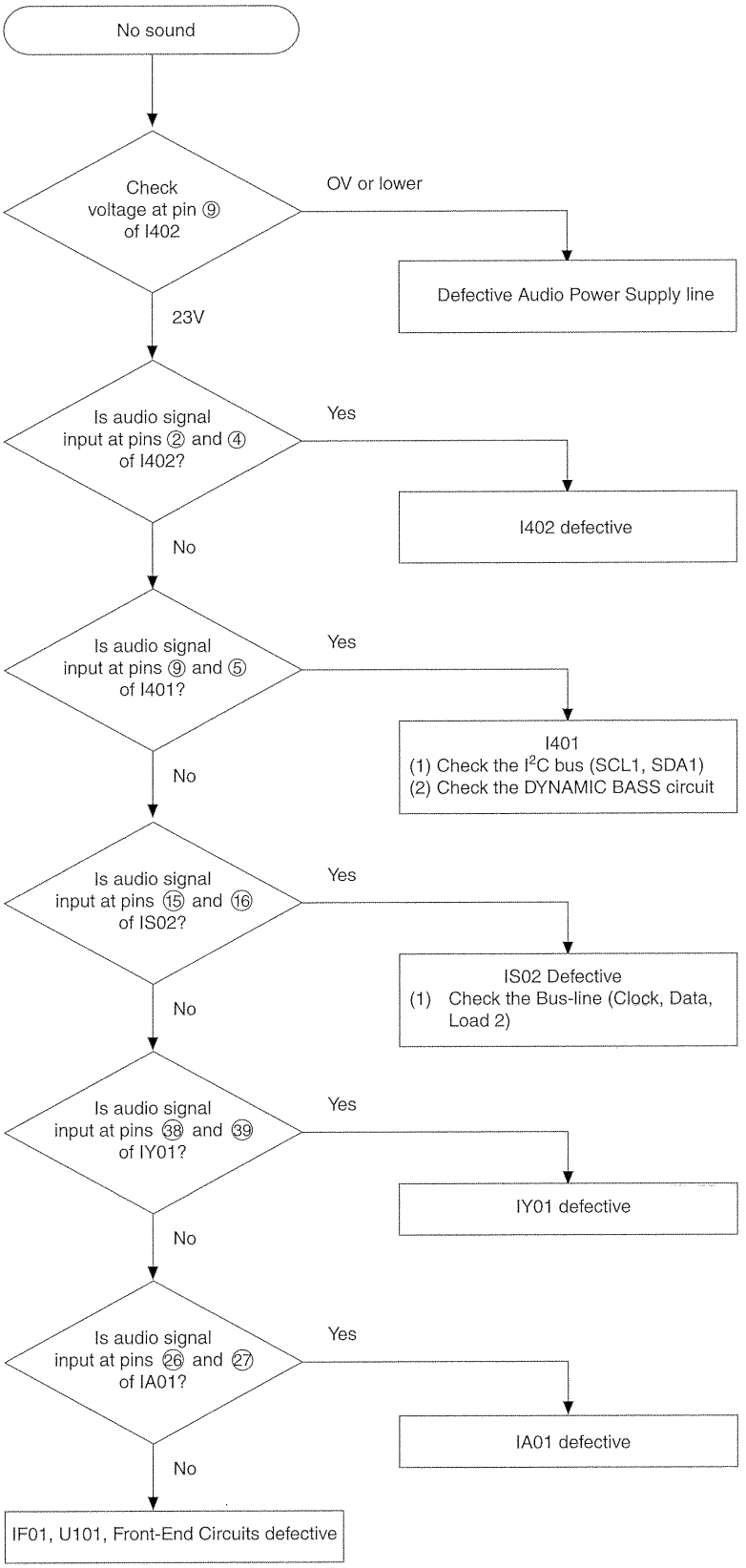
TROUBLESHOOTING

⑭ NO SOUND OR NOT VARIABLE (BASS, TREBLE)



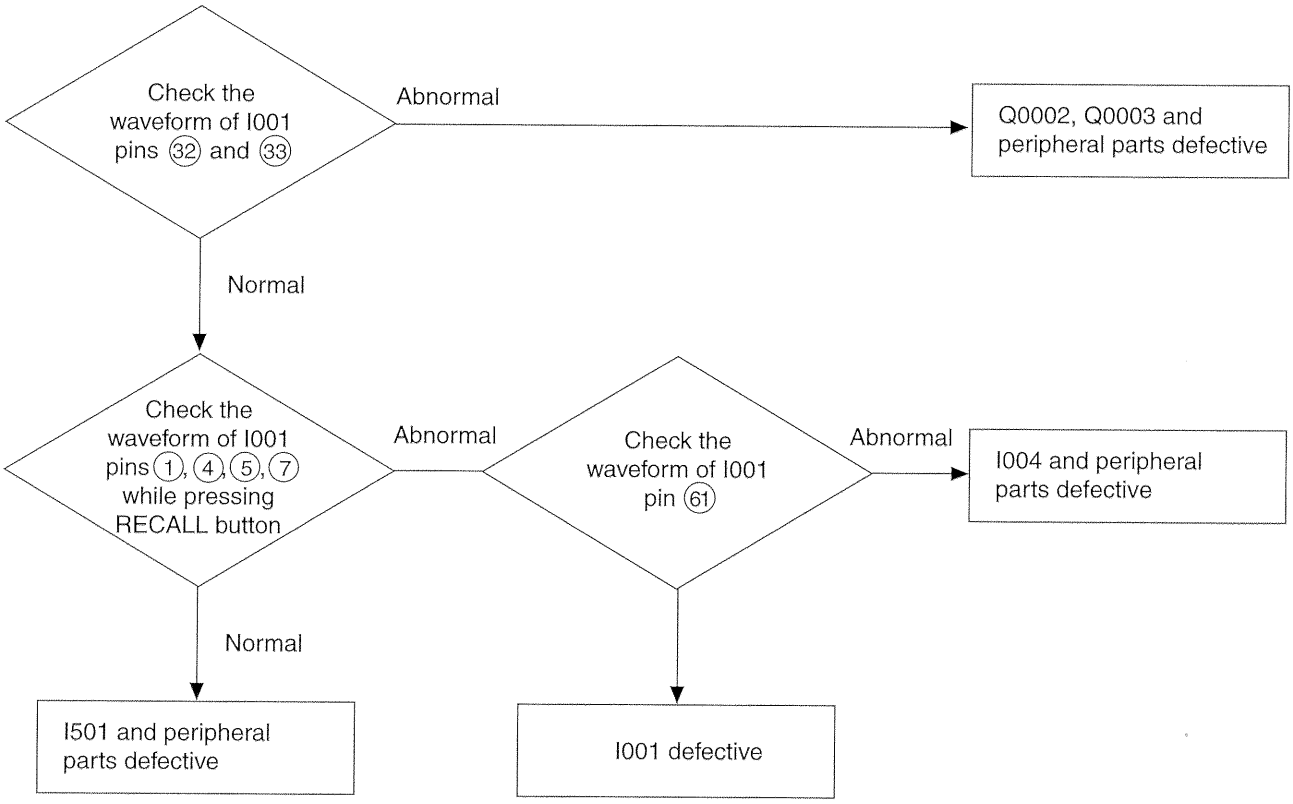
TROUBLESHOOTING

⑮ NO SOUND (WHEN SURROUND OFF)



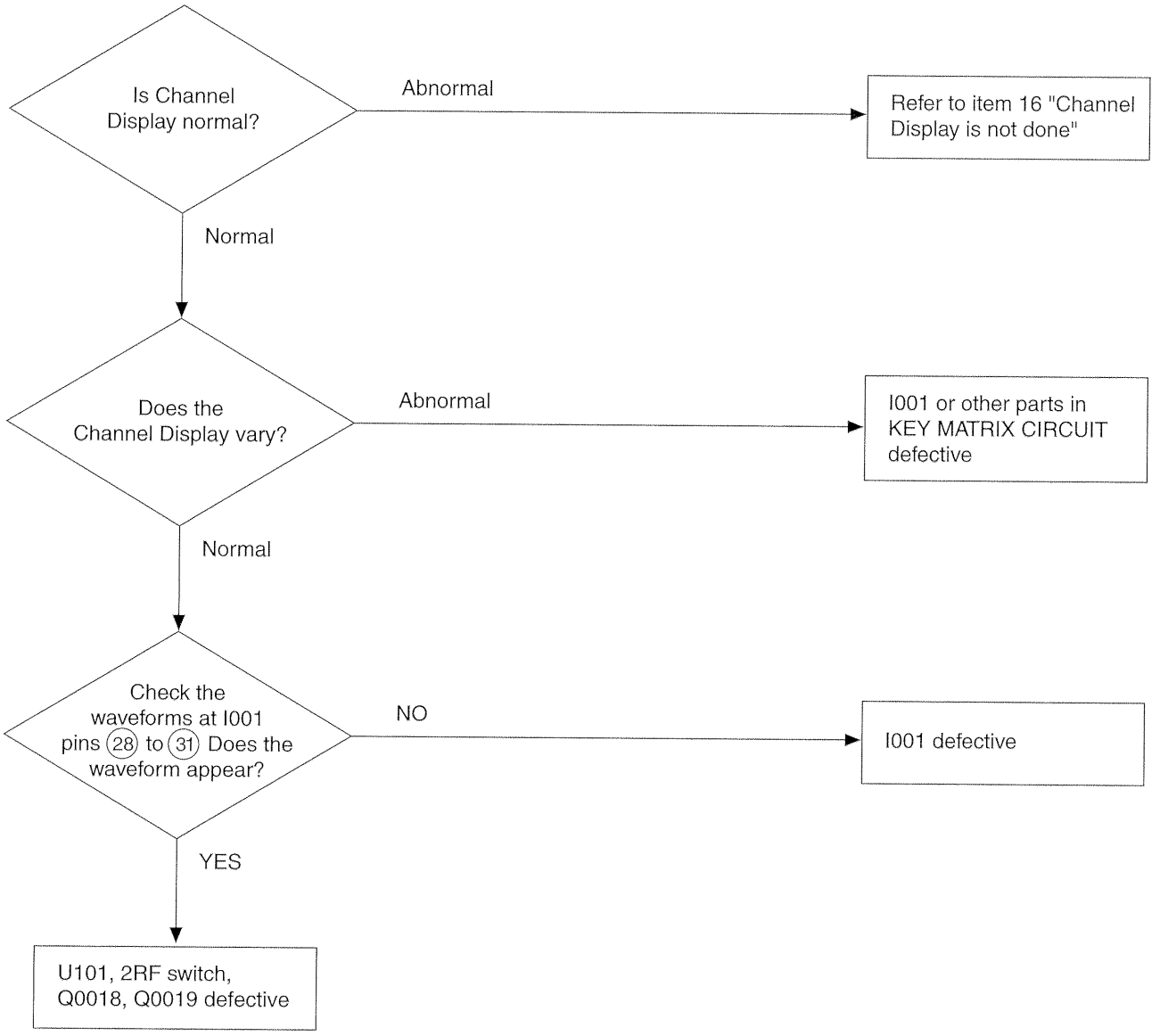
TROUBLESHOOTING

⑯ CHANNEL DISPLAY IS NOT DONE



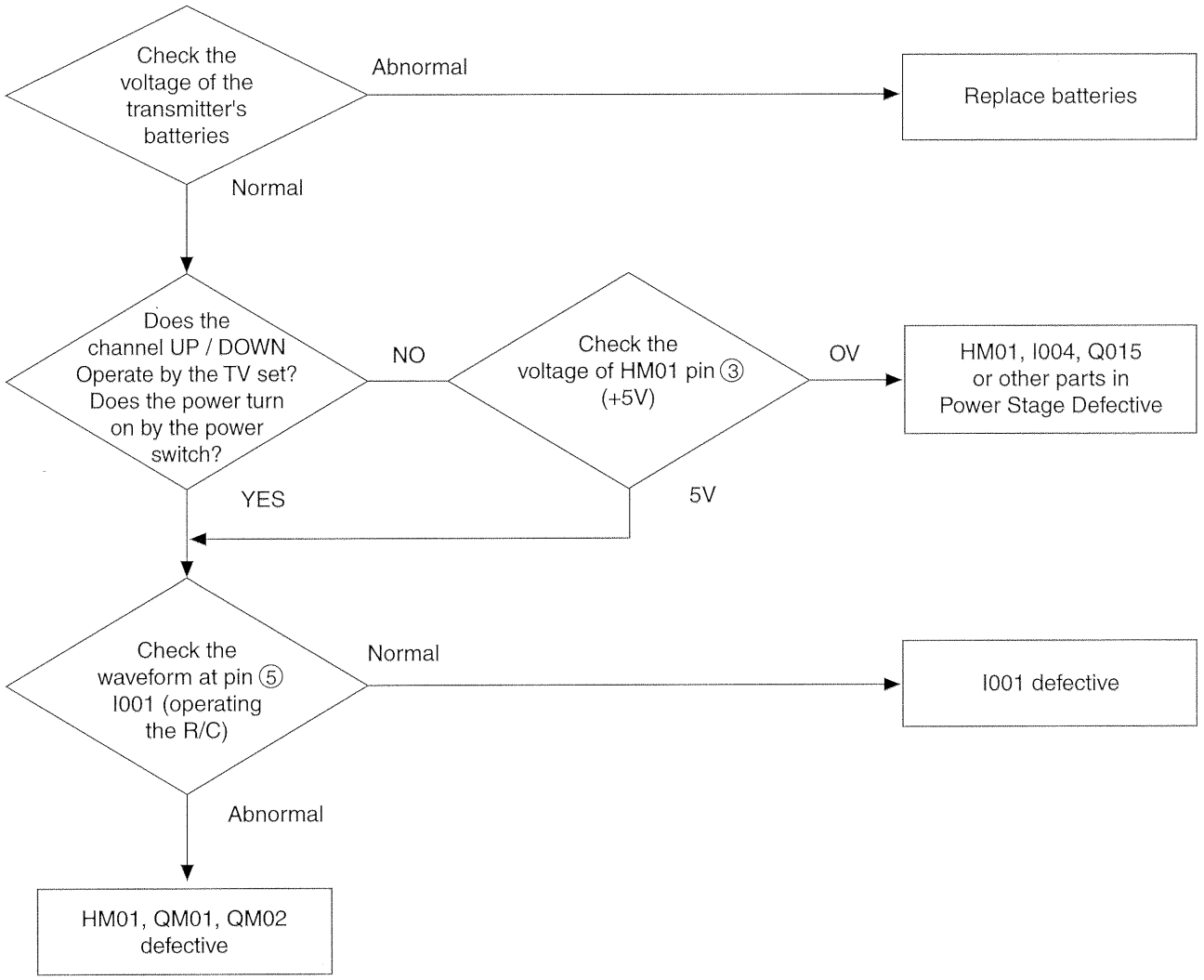
TROUBLESHOOTING

⑰ CHANNEL SELECTION IS NOT DONE



TROUBLESHOOTING

⑱ DOES NOT OPERATE BY REMOTE CONTROL



REPLACEMENT PARTS LIST

PRODUCT SAFETY NOTE: Components marked with a ⚠ 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 Disc; PF: Polyester Film; EL: Electrolytic; PP: Polypropylene; PR: Paper; TA: Tantalum; TM: Trimmer

Resistors: CF: Carbon Film; CC: Carbon Composition; MF: Metal Oxide Film; VR: Variable Resistor; WW: Wire Wound; FR: Fuse Resistor; MG: Metal Glaze

Semiconductors: TR: Transistor; DI: Diode; ZD: Zener Diode; VA: Varistor; TH: Thermistor; IC: Integrated Circuit

SYMBOL NO.	PART NO.	PART DESCRIPTION
		CAPACITORS
C001	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C002	0800047R	EL. 100UF-M 6.3V
C003	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C004	0890067R	CD. 33PF-J 50V
C005	0244171R	CD. 0.01UF-Z F 50V TAPE
C006	0800015R	EL. 10UF-M 16V
C007	0890067R	CD. 33PF-J 50V
C010	0800009R	EL. 4.7UF-M 25V
C011	0800009R	EL. 4.7UF-M 25V
C012	0800009R	EL. 4.7UF-M 25V
C013	0800009R	EL. 4.7UF-M 25V
C014	0800009R	EL. 4.7UF-M 25V
C015	0880012R	MYLAR 0.022U
C016	0800009R	EL. 4.7UF-M 25V
C017	0800009R	EL. 4.7UF-M 25V
C018	0800047R	EL. 100UF-M 6.3V
C019	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C020	0890085R	CD. 680PF-K 50V
C021	0800015R	EL. 10UF-M 16V
C022	0890076R	CD. 150PF-K 50V
C023	0890071R	CD. 56PF-J 50V
C024	0890087R	CD. 1000PF-K 50V
C025	0800047R	EL. 100UF-M 6.3V
C026	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C027	0800023R	EL. 22UF-M 16V
C028	0890074R	CD. 100PF-J 50V
C029	0890074R	CD. 100PF-J 50V
C030	0890074R	CD. 100PF-J 50V
C031	0800048R	EL. 100UF-M 10V
C032	0800015R	EL. 10UF-M 16V
C033	0890074R	CD. 100PF-J 50V
C035	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C036	0800009R	EL. 4.7UF-M 25V
C037	0800082F	EL. 1000UF-M 16V
C038	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C039	0800049R	EL. 100UF-M 16V
C040	0890084R	CD. 560PF-K 50V
C041	0800003R	EL. 1.0UF-M 50V
C042	0800003R	EL. 1.0UF-M 50V
C043	0800047R	EL. 100UF-M 6.3V
C045	0800273R	EL. 0.22UF-M 50V
C046	0800023R	EL. 22UF-M 16V
C0501	0800023R	EL. 22UF-M 16V (CZ56)
C0502	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ56)
C0503	0800003R	EL. 1.0UF-M 50V (CZ56)
C0504	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ56)
C0505	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ56)
C0516	0880016R	PF. 0.1UF 50V (CZ56)
C0N1	0880044R	PF. 0.01UF-KEB 50V
C0N2	0880035R	PF. 2200PF-50V
C301	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C302	0800015R	EL. 10UF-M 16V
C303	0800007R	EL. 3.3UF-M 50V
C305	0800003R	EL. 1.0UF-M 50V
C306	0244171R	CD. 0.01UF-Z F 50V TAPE
C307	0244171R	CD. 0.01UF-Z F 50V TAPE
C308	0244171R	CD. 0.01UF-Z F 50V TAPE
C309	0244171R	CD. 0.01UF-Z F 50V TAPE
C310	0244171R	CD. 0.01UF-Z F 50V TAPE
C311	0244171R	CD. 0.01UF-Z F 50V TAPE
C312	0800023R	EL. 22UF-M 16V
C313	0800015R	EL. 10UF-M 16V
C314	0800003R	EL. 1.0UF-M 50V
C315	0244171R	CD. 0.01UF-Z F 50V TAPE
C317	0800003R	EL. 1.0UF-M 50V
C318	0800003R	EL. 1.0UF-M 50V
C319	0800009R	EL. 4.7UF-M 25V
C323	0880051R	PF. 0.033UF-KEB 50V
C324	0800009R	EL. 4.7UF-M 25V
C325	0880031R	PF.1000PF-K 50V
C326	0800003R	EL. 1.0UF-M 50V
C327	0800049R	EL. 100UF-M 16V
C328	0244171R	CD. 0.01UF-Z F 50V TAPE
C329	0800009R	EL. 4.7UF-M 25V
C330	0800049R	EL. 100UF-M 16V
C331	0800049R	EL. 100UF-M 16V
C332	0800015R	EL. 10UF-M 16V
C333	0880046R	PF. 0.015UF-K 50V
C334	0880051R	PF. 0.033UF-KEB 50V
C335	0880037R	PF. 0.0033UF-KEB50V
C336	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C337	0880037R	PF. 0.0033UF-KEB50V
C338	0890082R	CD. 390PF-K 50V
C339	0880037R	PF. 0.0033UF-KEB50V
C340	0800003R	EL. 1.0UF-M 50V
C346	0800009R	EL. 4.7UF-M 25V
C3801	0800015R	EL. 10UF-M 16V (CZ56)
C3802	0800015R	EL. 10UF-M 16V (CZ56)
C3803	0800041R	EL. 47UF-M 16V (CZ56)
C3804	0800015R	EL. 10UF-M 16V (CZ56)
C3805	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ56)
C3N1	0800041R	EL. 47UF-M 16V
C3N2	0244105R	CD. 2200PF-K 50V TAPE
C401	0800015R	EL. 10UF-M 16V
C402	0800015R	EL. 10UF-M 16V
C403	0800049R	EL. 100UF-M 16V
C404	0284623R	EL. 1UF-SME(BP) 50V
C405	0880055R	PF. 0.068UF-KEB 50V
C406	0890087R	CD. 1000PF-K 50V
C407	0800015R	EL. 10UF-M 16V
C409	0890087R	CD. 1000PF-K 50V
C410	0800049R	EL. 100UF-M 16V
C411	0800015R	EL. 10UF-M 16V
C412	0284638R	EL. 10UF-SME(BP) 16V
C413	0284638R	EL. 10UF-SME(BP) 16V
C414	0800041R	EL. 47UF-M 16V
C415	0800049R	EL. 100UF-M 16V
C416	0800015R	EL. 10UF-M 16V
C417	0880055R	PF. 0.068UF-KEB 50V
C418	0284623R	EL. 1UF-SME(BP) 50V
C419	0880051R	PF. 0.033UF-KEB 50V
C420	0880041R	PF. 0.0056UF-KEB 50V
C421	0880051R	PF. 0.033UF-KEB 50V
C422	0880041R	PF. 0.0056UF-KEB 50V

PRODUCT SAFETY NOTE: Components marked with a ⚠ 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 NO.	PART NO.	PART DESCRIPTION
C423	0800015R	EL. 10UF-M 16V
C427	0800003R	EL. 1.0UF-M 50V (CZ58)
C427	0800003R	EL. 1.0UF-M 50V (CZ56/57/CY58)
C427	0800003R	EL 1.0UF-M 50V (CZ57P)
C428	0800003R	EL. 1.0UF-M 50V (CZ58)
C428	0800003R	EL. 1.0UF-M 50V (CZ56/57/CY58)
C428	0800003R	EL 1.0UF-M 50V (CZ57P)
C432	0800015R	EL. 10UF-M 16V
C432	0800015R	EL. 10UF-M 16V (CZ57P)
C433	0800003R	EL. 1.0UF-M 50V (CZ58)
C433	0800074N	EL. 470UF-M 16V
C434	0800003R	EL. 1.0UF-M 50V
C435	0880035R	PF. 2200PF-50V
C436	0880035R	PF. 2200PF-50V
C437	0800042R	EL. 47UF-M 25V
C438	0800042R	EL. 47UF-M 25V
C439	0800051R	EL. 100UF-M 25V
C440	0800003R	EL. 1.0UF-M 50V
C441	0800041R	EL. 47UF-M 16V
C442	0800051R	EL. 100UF-M 25V
C443	0800084F	EL. 1000UF-M 35V
C444	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C445	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C446	0258192F	EL. 2200UF 25V
C447	0258192F	EL. 2200UF 25V
C448	0800041R	EL. 47UF-M 16V
C449	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C450	0880018R	PF. 0.22UF-K 50V
C4501	0258616	EL. 2.2UF/50V (35TX79K)
C4502	0258616	EL. 2.2UF/50V (35TX79K)
C451	0800049R	EL. 100UF-M 16V
C452	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C457	0800015R	EL. 10UF-M 16V
C458	0800015R	EL. 10UF-M 16V
C459	0800015R	EL. 10UF-M 16V
C460	0800015R	EL. 10UF-M 16V
C501	0800001R	EL. 0.47UF-M 50V (SME)
C502	0244171R	CD. 0.01UF-Z F 50V TAPE
C503	0244171R	CD. 0.01UF-Z F 50V TAPE
C504	0800082F	EL. 1000UF-M 16V
C505	0890116R	CD. 15PF-J CH 50V
C507	0800003R	EL. 1.0UF-M 50V
C508	0800003R	EL. 1.0UF-M 50V
C509	0800003R	EL. 1.0UF-M 50V
C511	0244171R	CD. 0.01UF-Z F 50V TAPE
C512	0244171R	CD. 0.01UF-Z F 50V TAPE
C513	0244171R	CD. 0.01UF-Z F 50V TAPE
C515	0244171R	CD. 0.01UF-Z F 50V TAPE
C516	0244171R	CD. 0.01UF-Z F 50V TAPE
C519	0800015R	EL. 10UF-M 16V
C521	0244171R	CD. 0.01UF-Z F 50V TAPE
C525	0880044R	PF. 0.01UF-KEB 50V
C526	0800049R	EL. 100UF-M 16V
C527	0800075F	EL. 470UF-M 25V
C535	0800049R	EL. 100UF-M 16V (CZ56/CZ57)
C550	0800015R	EL. 10UF-M 16V (CZ56/CZ57)
C620	0800057R	EL. 220UF-M 10V
C621	0880042R	PF. 0.0068UF-KEB50V
C622	0292716R	TA. 1.0UF-K 20V
C623	0248696R	CD. 330PF-J SL 50V TAPE
C624	0800061N	EL. 220UF-M 35V
C625	0800007R	EL. 3.3UF-M 50V
C626	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C627	0800007R	EL. 3.3UF-M 50V
C628	0800003R	EL. 1.0UF-M 50V
C629	0800084F	EL. 1000UF-M 35V
C630	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C631	0890087R	CD. 1000PF-K 50V
C632	0800056R	EL. 220UF-M 6.3V
C633	0800015R	EL. 10UF-M 16V
C6H0	0800003R	EL. 1.0UF-M 50V
C6H1	0800005R	EL. 2.2UF-M 50V
C6H2	0800041R	EL. 47UF-M 16V
C6H3	0800018R	EL. 10UF-M 50V
C6H4	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C6H6	0800005R	EL. 2.2UF-M 50V
C710	0247842R	CD. 33PF-SL 500V
C711	0880044R	PF. 0.01UF-KEB 50V
C712	0244105R	CD. 2200PF-K 50V TAPE
C713	0880019R	PF. 0.33UF-KB 50V
⚠ C714	0244729	CD. 2200PF 2KV
⚠ C715	0244729	CD. 2200PF 2KV
⚠ C716	0244209	CD. 680PF-K 2KV (CY58)
⚠ C717	0244718	CD. 330PF-K 2.0KV B
⚠ C718	0262432F	PP. 15000PF-J 1800V
⚠ C719	0299932F	PP. 0.33UF-K 200V
⚠ C720	0299931F	PP. 0.27UF-K 200V
⚠ C721	0299707F	PF. 0.015UF-K 630V
⚠ C723	0263001	EL. 3.3UF-M 100V
C724	0244501R	CD. 1000PF-K 500V
C725	0800009R	EL. 4.7UF-M 25V
⚠ C726	0249392F	CD. 2200PF 125V
C727	0880035R	PF. 2200PF-50V
C728	0254823G	EL.100UF-M 160V
C730	0254509F	EL.1000UF-M 16V (CZ56/57/58)
C731	0243508R	CD. 390PF-K 500V (CZ56/57/58)
C732	0243506R	CD. 270PF-K 500V
C733	0800084F	EL. 1000UF-M 35V
C734	0244501R	CD. 1000PF-K 500V
C735	0800082F	EL. 1000UF-M 16V
⚠ C736	0800019R	EL. 10UF-M 63V
C737	0244501R	CD. 1000PF-K 500V
C738	0253974F	EL. 33UF 250V CE04W2E3
C739	0255507F	EL. 22UF-MB 160V(KME)
C740	0255524F	EL. 4.7MF-M 250V(KME)
C741	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C752	0800041R	EL. 47UF-M 16V
C753	0800048R	EL. 100UF-M 10V (CZ58/CY58)
⚠ C754	0800003R	EL. 1.0UF-M 50V
C755	0890086R	CD. 820PF-K 50V
C757	0800005R	EL. 2.2UF-M 50V
C758	0800015R	EL. 10UF-M 16V
C760	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
C7H0	0800007R	EL. 3.3UF-M 50V
C7H1	0800044R	EL. 47UF-M 50V
C7H2	0284623R	EL. 1UF-SME(BP) 50V
C7H3	0800005R	EL. 2.2UF-M 50V
C851	0800049R	EL. 100UF-M 16V
C854	0890078R	CD. 220PF-K 50V
C856	0890079R	CD. 270PF-K 50V
C857	0890082R	CD. 390PF-K 50V
C859	0255524F	EL. 4.7MF-M 250V(KME)
C860	0244889	CD. 2200PF-K B 2KV
C866	0244171R	CD. 0.01UF-Z F 50V TAPE
C874	0890087R	CD. 1000PF-K 50V
C875	0890087R	CD. 1000PF-K 50V
C876	0890087R	CD. 1000PF-K 50V
C877	0890074R	CD. 100PF-J 50V
C878	0890074R	CD. 100PF-J 50V
C879	0890074R	CD. 100PF-J 50V
C880	0890086R	CD. 820PF-K 50V
C881	0890086R	CD. 820PF-K 50V
C882	0890086R	CD. 820PF-K 50V
⚠ C901	AN00144	PF. 0.1UF 250V
⚠ C903	0248593F	CD. 4700PF-Z 250V
⚠ C904	0248593F	CD. 4700PF-Z 250V
C905	0253891	EL. 470UF 200V HR (CZ58)
C905	0253890	EL. 820UF 200V HR
C906	0253891	EL. 470UF 200V HR (CZ58)
C906	AL00151	EL. 820UF 200V(USR)
C909	0249392F	CD. 2200PF 125V
C913	0244717F	CD. 270PF 2KV
C914	0880062R	PF. 0.22UF-KEB 50V
C915	0254823G	EL.100UF-M 160V
C916	0880036R	PF. 0.0027UF-KEB 50V
C917	0244230R	CD. 220PF-B 50V

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
⚠ C918	0800015R	EL. 10UF-M 16V (CZ58)	CA22	0292712F	TA. 3.3UF-K 16V
⚠ C918	0800056R	EL. 220UF-M 6.3V	CA23	0292714F	TA. 10UF-K 16V
C919	0244717F	CD. 270PF 2KV	CA24	0800003R	EL. 1.0UF-M 50V
C920	0800015R	EL. 10UF-M 16V (CZ58)	CA25	0800003R	EL. 1.0UF-M 50V
C920	0800049R	EL. 100UF-M 16V	CA26	0800015R	EL. 10UF-M 16V
C922	0890092R	CD. 2200PF-M 50V (CZ58)	CA27	0800015R	EL. 10UF-M 16V
C922	0800066R	EL. 330UF-M 16V	CA28	0800015R	EL. 10UF-M 16V
C923	0800074N	EL. 470UF-M 16V	CA29	0800015R	EL. 10UF-M 16V
C924	0880039R	PF. 0.0047UF-KEB 50V	CA30	0800015R	EL. 10UF-M 16V
C925	0253951R	EL. 0.47UF-M 160V	CA31	0800015R	EL. 10UF-M 16V
C926	0880056R	PF. 0.082UF-KEB 50V	CA32	0800015R	EL. 10UF-M 16V
C930	0800059R	EL. 220UF-M 25V	CA33	0800015R	EL. 10UF-M 16V
C932	0254522F	EL. 470UF 25V (CZ58)	CA34	0800015R	EL. 10UF-M 16V
C932	0254525F	EL. 3300UF-M 25V(KME) (CZ56/57/CY58)	CA35	0800015R	EL. 10UF-M 16V
C934	0243507R	CD. 330PF-K 500V TAPE	CA36	0800015R	EL. 10UF-M 16V
C936	0285224	EL. 2200UF-M 25V (CZ58)	CA37	0800015R	EL. 10UF-M 16V
C936	0800084F	EL. 1000UF-M 35V (CZ56/57/CY58)	CA38	0800041R	EL. 47UF-M 16V
C937	0800049R	EL. 100UF-M 16V	CA39	0800041R	EL. 47UF-M 16V
C938	0800003R	EL. 1.0UF-M 50V	CA40	0800015R	EL. 10UF-M 16V
C940	0800015R	EL. 10UF-M 16V	CA41	0800015R	EL. 10UF-M 16V
⚠ C942	0800003R	EL. 1.0UF-M 50V	CA70	0800041R	EL. 47UF-M 16V (CZ58/CZ57)
C944	0800047R	EL. 100UF-M 6.3V	CA71	0800015R	EL. 10UF-M 16V (CZ58/CZ57)
C952	0800015R	EL. 10UF-M 16V	CA72	0800015R	EL. 10UF-M 16V (CZ58/CZ57)
⚠ C961	AN00144	PF. 0.1UF 250V	CC02	0244171R	CD. 0.01UF-Z F 50V TAPE
C962	0248593F	CD. 4700PF-Z 250V (CZ58)	CC03	0890065R	CD. 22PF-J 50V
C963	0248593F	CD. 4700PF-Z 250V (CZ58)	CC04	0244171R	CD. 0.01UF-Z F 50V TAPE
C964	0253891	EL. 470UF 200V HR (CZ58)	CC05	0244171R	CD. 0.01UF-Z F 50V TAPE
C965	0299622F	PF. 0.01UF-J 6 (CZ58)	CC06	0800082F	EL. 1000UF-M 16V
C966	0800051R	EL. 100UF-M 25V (CZ58)	CC07	0890068R	CD. 39PF-J 50V
C967	0880057R	PF. 0.1UF-KEB 50V (CZ58)	CC70	0880044R	PF. 0.01UF-KEB 50V (CZ57/58/CY58)
C968	0880031R	PF.1000PF-K 50V (CZ58)	CDF1	0299932F	PP. 0.33UF-K 200V (CZ56/57/58)
C969	0800024R	EL. 22UF-M 25V (CZ58)	CDF2	0244211	CD. 1000PF-K 2KV (CZ56/57/58)
C970	0880057R	PF. 0.1UF-KEB 50V (CZ58)	CDF3	0244212	CD. 1200PF-K 2KV (CZ56/57/58)
C971	0880044R	PF. 0.01UF-KEB 50V (CZ58)	CF01	0890065R	CD. 22PF-J 50V
C972	0244139R	CD. 1000PF-K B50V (CZ58)	CF02	0244105R	CD. 2200PF-K 50V TAPE
C974	0285224	EL. 2200UF-M 25V (CZ58)	CF03	0244105R	CD. 2200PF-K 50V TAPE
C976	0255011F	EL. 2200UF-M 35V (CZ58)	CF04	0244141R	CD. 0.01UF-KB B 50V
C976	0285221	EL. 1000UF-M 35V	CF05	0890087R	CD. 1000PF-K 50V
C977	0800047R	EL. 100UF-M 6.3V (CZ58)	CF06	0890078R	CD. 220PF-K 50V
C978	0800047R	EL. 100UF-M 6.3V (CZ58)	CF07	0244141R	CD. 0.01UF-KB B 50V
C981	0800041R	EL. 47UF-M 16V (CZ58)	CF09	0890076R	CD. 150PF-K 50V
C982	0800041R	EL. 47UF-M 16V (CZ58)	CF10	0880015R	MYLAR 68K
C984	0800049R	EL. 100UF-M 16V (CZ58)	CF11	0244141R	CD. 0.01UF-KB B 50V
C985	0800032R	EL. 33UF-M 16V (CZ58)	CF12	0244141R	CD. 0.01UF-KB B 50V
C986	0800012R	EL. 4.7UF-M 50V (CZ58)	CF13	0244105R	CD. 2200PF-K 50V TAPE
C987	0800012R	EL. 4.7UF-M 50V (CZ58)	CF14	0890116R	CD. 15PF-J CH 50V
C988	0880044R	PF. 0.01UF-KEB 50V (CZ58)	CF15	0246463R	CD. 91PF-J CH 50V
C991	0800084F	EL. 1000UF-M 35V (CZ56/57/CY58)	CF16	0800005R	EL. 2.2UF-M 50V
C9N1	0800018R	EL. 10UF-M 50V	CF19	0880053R	PF. 0.047UF-KEB 50V
C9N2	0800047R	EL. 100UF-M 6.3V	CF20	0244141R	CD. 0.01UF-KB B 50V
C9N3	0800018R	EL. 10UF-M 50V (CZ58)	CF21	0890118R	CD. 22PF-J CH 50V
C9N4	0880044R	PF. 0.01UF-KEB 50V	CF22	0800001R	EL. 0.47UF-M 50V (SME)
CA01	0800003R	EL. 1.0UF-M 50V	CF23	0890119R	CD. 27PF-J 50V
CA02	0800003R	EL. 1.0UF-M 50V	CF25	0880016R	PF. FILM 0.1UF 50V
CA03	0800003R	EL. 1.0UF-M 50V	CF26	0244141R	CD. 0.01UF-KB B 50V
CA04	0800003R	EL. 1.0UF-M 50V	CF31	0244141R	CD. 0.01UF-KB B 50V
CA05	0800003R	EL. 1.0UF-M 50V	CF35	0890065R	CD. 22PF-J 50V
CA06	0800003R	EL. 1.0UF-M 50V	CF50	0800041R	EL. 47UF-M 16V
CA07	0800003R	EL. 1.0UF-M 50V	CG01	0800009R	EL. 4.7UF-M 25V (CZ56/57/CY58)
CA08	0800003R	EL. 1.0UF-M 50V	CM01	0800023R	EL. 22UF-M 16V
CA09	0800049R	EL. 100UF-M 16V	CM02	0244171R	CD. 0.01UF-Z F 50V TAPE
CA10	0800023R	EL. 22UF-M 16V	CM03	0800003R	EL. 1.0UF-M 50V
CA11	0800003R	EL. 1.0UF-M 50V	CM04	0244171R	CD. 0.01UF-Z F 50V TAPE
CA12	0800003R	EL. 1.0UF-M 50V	CM05	0244171R	CD. 0.01UF-Z F 50V TAPE
CA13	0800009R	EL. 4.7UF-M 25V	CON3	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
CA14	0284638R	EL. 10UF-SME(BP) 16V	COSD	0890081R	CD. 330PF 50V
CA15	0276717R	PF. 0.1UF-J 50V (TF TYPE E)	CP01	0800047R	EL. 100UF-M 6.3V
CA16	0880053R	PF. 0.047UF-KEB 50V	CP02	0800049R	EL. 100UF-M 16V
CA17	0800001R	EL. 0.47UF-M 50V (SME)	CP31	0890079R	CD. 270PF-K 50V
CA18	0276717R	PF. 0.1UF-J 50V (TF TYPE E)	CP32	0246466R	CD. 120PF-J CH 50V CC45CH1H
CA19	0800003R	EL. 1.0UF-M 50V	CP33	0246464R	CD. 100PF-J CH 50V TAPE
CA20	0800003R	EL. 1.0UF-M 50V	CP34	0800047R	EL. 100UF-M 6.3V
CA21	0800003R	EL. 1.0UF-M 50V	CP35	0880044R	PF. 0.01UF-KEB 50V

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SYMBOL NO.	PART NO.	PART DESCRIPTION
CP36	0246466R	CD. 120PF-J CH 50V CC45CH1H
CP37	0890078R	CD. 220PF-K 50V
CS01	0880012R	MYLAR 0.022U 02 (CZ58)
CS02	0880014R	MYLAR 0.047U (CZ58)
CS03	0800058R	EL. 220UF-M 16V (CZ58)
CS04	0800015R	EL. 10UF-M 16V (CZ58)
CS05	0800015R	EL. 10UF-M 16V (CZ58)
CS06	0800015R	EL. 10UF-M 16V (CZ58)
CS07	0800015R	EL. 10UF-M 16V (CZ58)
CS08	0800087F	EL. 2200UF-M 16V
CS09	0284623R	EL. 1UF-SME(BP) 50V (CZ58)
CS10	0284623R	EL. 1UF-SME(BP) 50V (CZ58)
CS11	0276717R	PF. 0.1UF-J 50V (TF TYPE E) (CZ58)
CS12	0276717R	PF. 0.1UF-J 50V (TF TYPE E) (CZ58)
CS13	0800001R	EL. 0.47UF-M 50V (SME) (CZ58)
CS14	0800009R	EL. 4.7UF-M 25V (CZ58)
CS15	0800001R	EL. 0.47UF-M 50V (SME) (CZ58)
CS16	0800009R	EL. 4.7UF-M 25V (CZ58)
CS17	0880017R	PF. 0.15MF-M 50V (CZ58)
CS18	0800007R	EL. 3.3UF-M 50V (CZ58)
CS19	0880017R	PF. 0.15MF-M 50V (CZ58)
CS20	0880017R	PF. 0.15MF-M 50V (CZ58)
CS21	0800007R	EL. 3.3UF-M 50V (CZ58)
CS22	0880017R	PF. 0.15MF-M 50V (CZ58)
CS23	0800009R	EL. 4.7UF-M 25V (CZ58)
CS24	0800001R	EL. 0.47UF-M 50V (SME) (CZ58)
CS25	0800009R	EL. 4.7UF-M 25V (CZ58)
CS26	0800001R	EL. 0.47UF-M 50V (SME) (CZ58)
CS27	0276717R	PF. 0.1UF-J 50V (TF TYPE E) (CZ58)
CS28	0276717R	PF. 0.1UF-J 50V (TF TYPE E) (CZ58)
CS29	0800041R	EL. 47UF-M 16V (CZ58)
CS30	0276725R	EL. 0.47UF 50V (CZ58)
CS31	0284638R	EL. 10UF-SME(BP) 16V (CZ58)
CS32	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
CS33	0800015R	EL. 10UF-M 16V (CZ58)
CS34	0800015R	EL. 10UF-M 16V (CZ58)
CS35	0890085R	CD. 680PF-K 50V (CZ58)
CS36	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
CS36	0276717R	PF. 0.1UF-J 50V (TF TYP E) (CZ57P)
CS37	0800074N	EL. 470UF-M 16V
CS37	0800074N	EL. 470UF-M 16V (CZ57P)
CS38	0800005R	EL. 2.2UF-M 50V
CS38	0800005R	EL. 2.2UF-M 50V (CZ57P)
CS39	0800058R	EL. 220UF-M 16V
CS39	0800058R	EL. 220UF-M 16V (CZ57P)
CS40	0284623R	EL. 1UF-SME(BP) 50V
CS40	0284623R	EL. 1UF-SME(BP) 50V (CZ57P)
CS41	0284623R	EL. 1UF-SME(BP) 50V
CS41	0284623R	EL. 1UF-SME(BP) 50V (CZ57P)
CS43	0800003R	EL. 1.0UF-M 50V
CS43	0800003R	EL. 1.0UF-M 50V (CZ57P)
CS44	0244171R	CD. 0.01UF-Z F 50V TAPE
CS44	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ57P)
CS45	0800015R	EL. 10UF-M 16V
CS45	0800015R	EL. 10UF-M 16V (CZ57P)
CS46	0284638R	EL. 10UF-SME(BP) 16V
CS46	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CS47	0800058R	EL. 220UF-M 16V
CS47	0800058R	EL. 220UF-M 16V (CZ57P)
CS48	0800015R	EL. 10UF-M 16V
CS48	0800015R	EL. 10UF-M 16V (CZ57P)
CS49	0800015R	EL. 10UF-M 16V
CS49	0800015R	EL. 10UF-M 16V (CZ57P)
CS50	0800003R	EL. 1.0UF-M 50V
CS50	0800003R	EL. 1.0UF-M 50V (CZ57P)
CS51	0880051R	PF. 0.033UF-KEB 50V
CS51	0880051R	PF. 0.033UF-KEB 50V (CZ57P)
CS52	0880046R	PF. 0.015UF-K 50V
CS52	0890089R	CD 1500PF-K 50V (CZ57P)
CS53	0880051R	PF. 0.033UF-KEB 50V
CS53	0880051R	PF. 0.033UF-KEB 50V (CZ57P)
CS54	0800058R	EL. 220UF-M 16V
CS54	0800058R	EL. 220UF-M 16V (CZ57P)
CS55	0246452R	CD. 33PF-J 50V
CS55	0246451R	CD. 30PF-JB CH 50V (CZ57P)
CS56	0246452R	CD. 33PF-J 50V
CS56	0246451R	CD. 30PF-JB CH 50V (CZ57P)
CS58	0800015R	EL. 10UF-M 16V
CS58	0800049R	EL. 100UF-M 16V (CZ57P)
CS59	0800042R	EL. 47UF-M 25V
CS59	0800051R	EL. 100UF-M 25V (CZ57P)
CS60	0800003R	EL. 1.0UF-M 50V
CS60	0800003R	EL. 1.0UF-M 50V (CZ57P)
CS61	0800042R	EL. 47UF-M 25V
CS61	0800042R	EL. 47UF-M 25V (CZ57P)
CS62	0800051R	EL. 100UF-M 25V (CZ58)
CS62	0800051R	EL. 100UF-M 25V (CZ57P)
CS63	0800042R	EL. 47UF-M 25V (CZ58)
CS64	0800003R	EL. 1.0UF-M 50V (CZ58)
CS65	0800003R	EL. 1.0UF-M 50V
CS65	0800003R	EL. 1.0UF-M 50V (CZ57P)
CS66	0800003R	EL. 1.0UF-M 50V
CS66	0800003R	EL. 1.0UF-M 50V (CZ57P)
CS67	0800003R	EL. 1.0UF-M 50V (CZ58)
CS68	0800003R	EL. 1.0UF-M 50V
CS68	0800003R	EL. 1.0UF-M 50V (CZ57P)
CS69	0800003R	EL. 1.0UF-M 50V
CS69	0800003R	EL. 1.0UF-M 50V (CZ57P)
CS70	0244105R	CD. 2200PF-K 50V TAPE
CS70	0244105R	CD. 2200PF-K 50V TAPE (CZ57P)
CS71	0244105R	CD. 2200PF-K 50V TAPE
CS71	0244105R	CD. 2200PF-K 50V TAPE (CZ57P)
CS72	0244105R	CD. 2200PF-K 50V TAPE (CZ58)
CS73	0800042R	EL. 47UF-M 25V
CS73	0800042R	EL. 47UF-M 25V (CZ57P)
CS74	0800042R	EL. 47UF-M 25V
CS74	0800042R	EL. 47UF-M 25V (CZ57P)
CS75	0800084F	EL. 1000UF-M 35V
CS75	0800084F	EL. 1000UF-M 35V (CZ57P)
CS76	0800051R	EL. 100UF-M 25V
CS76	0800051R	EL. 100UF-M 25V (CZ57P)
CS77	0880018R	PF. FILM 0.22UF-K 50V
CS77	0880018R	P.F 0.22UF-K 50V (CZ57P)
CS78	0800003R	EL. 1.0UF-M 50V (CZ58)
CS78	0800003R	EL. 1.0UF-M 50V (CZ57P)
CS79	0800015R	EL. 10UF-M 16V (CZ58)
CS79	0800015R	EL. 10UF-M 16V (CZ57P)
CS80	0800015R	EL. 10UF-M 16V (CZ58)
CS81	0800015R	EL. 10UF-M 16V
CS81	0800041R	EL. 47UF-M 16V (CZ57P)
CS82	0276717R	PF. 0.1UF-J 50V (TF TYPE E) (CZ58)
CS83	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
CS83	0276717R	PF. 0.1UF-J 50V (TF TYP E) (CZ57P)
CS84	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
CS84	0276717R	PF 0.1UF-J 50V (TF TYP E) (CZ57P)
CS85	0800083F	EL. 1000UF-M 25V(CZ58)
CS86	0800083F	EL. 1000UF-M 25V
CS86	0800083F	EL. 1000UF-M 25V(CZ57P)
CS87	0800083F	EL. 1000UF-M 25V
CS87	0800083F	EL. 1000UF-M 25V (CZ57P)
CS88	0800015R	EL. 10UF-M 16V
CS88	0800049R	EL. 100UF-M 16V (CZ57P)
CS89	0800015R	EL. 10UF-M 16V (CZ56/57/CY58)
CS89	0800015R	EL. 10UF-M 16V(CZ57P)
CS90	0890087R	CD. 1000PF-K 50V
CS90	0880015R	MYLAR 68K(CZ57P)
CS91	0284638R	EL. 10UF-SME(BP) 16V
CS91	0800015R	EL. 10UF-M 16V (CZ57P)
CS92	0890087R	CD. 1000PF-K 50V
CS92	0880015R	MYLAR 68K (CZ57P)
CS93	0880051R	PF. 0.033UF-KEB 50V
CS93	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CS94	0880041R	PF. 0.0056UF-KEB50V
CS94	0800041R	EL. 47UF-M 16V (CZ57P)
CS95	0880041R	PF. 0.0056UF-KEB50V
CS95	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)

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SYMBOL NO.	PART NO.	PART DESCRIPTION
CS96	0880051R	PF. 0.033UF-KEB 50V
CS96	0800015R	EL. 10UF-M 16V (CZ57P)
CS97	0800015R	EL. 10UF-M 16V
CS97	0800049R	EL. 100UF-M 16V (CZ57P)
CS98	0800049R	EL. 100UF-M 16V
CS98	0800015R	EL. 10UF-M 16V (CZ57P)
CS99	0800015R	EL. 10UF-M 16V
CS99	0284623R	EL. 1UF-SME(BP) 50V (CZ57P)
CSA1	0800049R	EL. 100UF-M 16V (CZ58)
CSA2	0276717R	PF. 0.1UF-J 50V (TF TYPE E) (CZ58)
CSA3	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
CSA3	0276717R	PF. 0.1UF-J 50V (TF TYP E) (CZ57P)
CSA4	0284638R	EL. 10UF-SME(BP) 16V
CSA5	0284638R	EL. 10UF-SME(BP) 16V (CZ58)
CSA6	0284638R	EL. 10UF-SME(BP) 16V (CZ58)
CSA7	0800042R	EL. 47UF-M 25V
CSA7	0800042R	EL. 47UF-M 25V (CZ57P)
CSC1	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSC2	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSC3	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSC4	0800074N	EL. 470UF-M 16V (CZ57P)
CSC5	0880044R	PF. 0.01UF-KEB 50V (CZ57P)
CSC6	0800105R	EL. 0.33UF-M 50V (CZ57P)
CSC7	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSC8	0800041R	EL. 47UF-M 16V (CZ57P)
CSC9	0800003R	EL. 1.0UF-M 50V (CZ57P)
CSE1	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSE2	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSE3	0880044R	PF. 0.01UF-KEB 50V (CZ57P)
CSE4	0800105R	EL. 0.33UF-M 50V (CZ57P)
CSE5	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSE6	0800048R	EL. 100UF-M 10V (CZ57P)
CSE7	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSE8	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSE9	0800015R	EL. 10UF-M 16V (CZ57P)
CSF1	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSF2	0800023R	EL. 22UF-M 16V (CZ57P)
CSF3	0800009R	EL. 4.7UF-M 25V (CZ57P)
CSF4	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSF5	0800015R	EL. 10UF-M 16V (CZ57P)
CSF6	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSF7	0800023R	EL. 22UF-M 16V (CZ57P)
CSF8	0800009R	EL. 4.7UF-M 25V (CZ57P)
CSF9	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSG1	0800015R	EL. 10UF-M 16V (CZ57P)
CSG2	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSG3	0800023R	EL. 22UF-M 16V (CZ57P)
CSG4	0800009R	EL. 4.7UF-M 25V (CZ57P)
CSG5	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSG6	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSG7	0284638R	EL. 10UF-SME(BP) 16V(CZ57P)
CSG8	0800074N	EL. 470UF-M 16V (CZ57P)
CSG9	0880044R	PF. 0.01UF-KEB 50V (CZ57P)
CSH1	0800105R	EL. 0.33UF-M 50V (CZ57P)
CSH2	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSH3	0800041R	EL. 47UF-M 16V (CZ57P)
CSH4	0800003R	EL. 1.0UF-M 50V (CZ57P)
CSH6	0284638R	EL. 10UF-SME(BP) 16V (CZ57P)
CSH7	0880044R	PF. 0.01UF-KEB 50V (CZ57P)
CSH8	0800105R	EL. 0.33UF-M 50V (CZ57P)
CSH9	0284638R	EL. 10UF-SME(BP) 16V(CZ57P)
CSJ1	0800048R	EL. 100UF-M 10V (CZ57P)
CSJ2	0800041R	EL. 47UF-M 16V (CZ57P)
CSJ3	0800041R	EL. 47UF-M 16V (CZ57P)
CSJ5	0800015R	EL. 10UF-M 16V (CZ57P)
CSJ6	0800015R	EL. 10UF-M 16V (CZ57P)
CSJ7	0800015R	EL. 10UF-M 16V (CZ57P)
CSJ8	0800015R	EL. 10UF-M 16V (CZ57P)
CSJ9	0800015R	EL. 10UF-M 16V (CZ57P)
CSK1	0800015R	EL. 10UF-M 16V (CZ57P)
CSN1	0800047R	EL. 100UF-M 6.3V
CSN1	0800047R	EL. 100UF-M 6.3V (CZ57P)
CSN2	0880044R	PF. 0.01UF-KEB 50V
CSN2	0880044R	PF. 0.01UF-KEB 50V (CZ57P)
CSN3	0800018R	EL. 10UF-M 50V (CZ58)
CSN4	0800018R	EL. 10UF-M 50V
CT01	0276717R	PF. 0.1UF-J 50V (TF TYPE E)(CZ58)
CT01	0800015R	EL. 10UF-M 16V (CZ56/57/CY58)
CT02	0800015R	EL. 10UF-M 16V (CZ56/57/CY58)
CT03	0800039R	EL. 47UF-M 10V (CZ56/57/CY58)
CT04	0800015R	EL. 10UF-M 16V (CZ56/57/CY58)
CT05	0800058R	EL. 220UF-M 16V (CZ56/57/CY58)
CV01	0284621R	EL. 0.47UF 50V (BP)
CV04	0890081R	CD. 330PF 50V
CV05	0800049R	EL. 100UF-M 16V
CV06	0880044R	PF. 0.01UF-KEB 50V
CV09	0890074R	CD. 100PF-J 50V
CV10	0244541F	CD. 0.01MF-K B 500V
CV11	0890074R	CD. 100PF-J 50V
CV12	0244509R	CD. 4700PF-KB B 500V
CV13	0253959F	EL. 47UF-M 160V
CV14	0253959F	EL. 47UF-M 160V
CV15	0253957F	EL. 22UF-M 160V
CV16	0247848R	CD. 56PF-J SL 500V
CV17	0800075F	EL. 470UF-M 25V
CV18	0800042R	EL. 47UF-M 25V
CV19	0253959F	EL. 47UF-M 160V
CV20	0244541F	CD. 0.01MF-K B 500V
CV21	0244171R	CD. 0.01UF-Z F 50V TAPE
CV22	0880057R	PF. 0.1UF-KEB 50V
CV23	0800049R	EL. 100UF-M 16V
CV24	0800041R	EL. 47UF-M 16V
CV28	0890077R	CD. 180PF-K 50V
CX01	0800015R	EL. 10UF-M 16V (CZ58/CY58)
CX01	0800041R	EL. 47UF-M 16V (CZ58/CY58)
CX02	0890065R	CD. 22PF-J 50V (CZ58/CY58)
CX03	0890061R	CD. 10PF-J 50V (CZ58/CY58)
CX04	0890064R	CD. 18PF-J SL 50V (CZ58/CY58)
CX05	0800049R	EL. 100UF-M 16V (CZ58/CY58)
CX06	0800009R	EL. 4.7UF-M 25V (CZ58/CY58)
CX07	0880031R	PF. 1000PF-K 50V (CZ58/CY58)
CX08	0890071R	CD. 56PF-J 50V (CZ58/CY58)
CX09	0880044R	PF. 0.01UF-KEB 50V (CZ58/CY58)
CX10	0800005R	EL. 2.2UF-M 50V (CZ58/CY58)
CX11	0800009R	EL. 4.7UF-M 25V (CZ58/CY58)
CX12	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX13	0246443R	CD. 13PF (C) 50WV (CZ58/CY58)
CX14	0880044R	PF. 0.01UF-KEB 50V (CZ58/CY58)
CX15	0284621R	EL. 0.47UF 50V (BP) (CZ58/CY58)
CX16	0890089R	CD. 1500PF-K 50V (CZ58/CY58)
CX17	0890082R	CD. 390PF-K 50V (CZ58/CY58)
CX18	0890074R	CD. 100PF-J 50V (CZ58/CY58)
CX19	0890087R	CD. 1000PF-K 50V (CZ58/CY58)
CX20	0800009R	EL. 4.7UF-M 25V (CZ58/CY58)
CX21	0890109R	CCT6R0D50D3 (CZ58/CY58)
CX22	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX23	0800048R	EL. 100UF-M 10V (CZ58/CY58)
CX24	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX25	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX26	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX27	0800001R	EL. 0.47UF-M 50V (SME) (CZ58/CY58)
CX27	0800009R	EL. 4.7UF-M 25V (CZ58/CY58)
CX28	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX29	0800009R	EL. 4.7UF-M 25V
CX29	0880053R	PF. 0.047UF-KEB 50V (CZ58/CY58)
CX30	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX31	0248690R	CD. 180PF-J SL 50V (CZ58/CY58)
CX32	0880044R	PF. 0.01UF-KEB 50V (CZ58/CY58)
CX33	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX34	0800048R	EL. 100UF-M 10V (CZ58/CY58)
CX35	0880044R	PF. 0.01UF-KEB 50V (CZ58/CY58)
CX36	0800048R	EL. 100UF-M 10V (CZ58/CY58)
CX37	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX38	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX39	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX40	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)

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SYMBOL NO.	PART NO.	PART DESCRIPTION
CX41	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CY58)
CX42	0800048R	EL. 100UF-M 10V (CZ58/CY58)
CX45	0800015R	EL. 10UF-M 16V (CZ58/CY58)
CX46	0800049R	EL. 100UF-M 16V (CZ58/CY58)
CX47	0800049R	EL. 100UF-M 16V (CZ58/CY58)
CX48	0880044R	PF. 0.01UF-KEB 50V (CZ58/CY58)
CX49	0800049R	EL. 100UF-M 16V (CZ58/CY58)
CX50	0800048R	EL. 100UF-M 10V (CZ58/CY58)
CX52	0800048R	EL. 100UF-M 10V (CZ58/CY58)
CXO7	0880031R	PF. 1000PF-K 50V (CZ58/CY58)
CY01	0800023R	EL. 22UF-M 16V
CY04	0800023R	EL. 22UF-M 16V
CY05	0800023R	EL. 22UF-M 16V
CY06	0800023R	EL. 22UF-M 16V
CY07	0800023R	EL. 22UF-M 16V
CY08	0800049R	EL.100UF-M 16V
CY09	0276717R	PF. 0.1UF-J 50V (TF TYPE E)
CY14	0800074N	EL. 470UF-M 16V
CY17	0800041R	EL. 47UF-M 16V
CY70	0800015R	EL. 10UF-M 16V (CZ57/58/CY58)
CY71	0800015R	EL. 10UF-M 16V (CZ57/58/CY58)
CY72	0244171R	CD. 0.01UF-Z F 50V TAPE (CZ58/CZ57)
CY79	0800049R	EL. 100UF-M 16V (CZ58/CZ57)
		DIODES
D002	2339889M	ZD. HZS12 (C3) 0.005A
D003	2339889M	ZD. HZS12 (C3) 0.005A
D004	2339889M	ZD. HZS12 (C3) 0.005A
D005	2339889M	ZD. HZS12 (C3) 0.005A
D006	2339889M	ZD. HZS12 (C3) 0.005A
D008	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D009	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D010	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D011	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D013	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D014	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D015	2339885M	ZD. HZS12B2 TA
D016	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D019	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC(CZ58)
D022	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D025	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D026	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D027	2339838M	ZD. HZS-5C2 TAPE
D032	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D040	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D041	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D0501	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC(CZ56)
D0502	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC(CZ56)
D101	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D10S	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ58)
D11S	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ58)
D12S	2339481M	DI. AS01Z (200 TAPE) SI 0.6A (CZ58)
D133	2339849M	ZD. HZS6C3 TA
D134	2339241M	ZD. DI. HZS-33 (1L) TA SI 33V
D135	2339889M	ZD. HZS12 (C3) 0.005A (CZ58)
D13S	2339481M	DI. AS01Z (200 TAPE) SI 0.6A (CZ58)
D14S	2339481M	DI. AS01Z (200 TAPE) SI 0.6A (CZ58)
D302	2339855M	ZD. DI. HZS-7 (B2) TAPE SI 7V
D303	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D304	2398611M	DI. 1SS254 TAPE (35V)SI 4NSEC(CZ56/57/CY58)
D305	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D306	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D307	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D308	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D309	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D310	2339839M	ZD. HZS5C3 TAPE
D311	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D312	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D313	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D316	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D319	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D320	2334324M	ZD. DI. RD36E TAPE (B3) SI 500MW
D401	2339491M	DI. AM01Z (200 TAPE) 1A
D402	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D402	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC(CZ57P)
D403	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D403	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC(CZ57P)
D404	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D405	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D406	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D407	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D408	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D409	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D410	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D411	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D501	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D502	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D503	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D504	2339839M	ZD. HZS5C3 TAPE
D505	2339868M	ZD. HZS9C2 TAPE
D506	2339868M	ZD. HZS9C2 TAPE
D507	2339868M	ZD. HZS9C2 TAPE
D508	2339868M	ZD. HZS9C2 TAPE
D509	2339846M	ZD. HZS6B3 TA
D510	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D620	2339862M	ZD. HZS-9A2 TA
D621	2339491M	DI. AM01Z (200 TAPE) 1A
D622	2339491M	DI. AM01Z (200 TAPE) 1A
D623	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D624	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D6H0	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D6H1	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D6H2	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
⚠ D710	2348511	DI. RS3FS
⚠ D711	2348511	DI. RS3FS
⚠ D712	2336612M	DI. RU3AM TA
D720	2338944	DI. FML-G12S (F) (200V) SI 0.04U (CZ56/57/58)
D721	CH00031M	DI. AU02V1 (280V)
D722	2338944	DI. FML-G12S (F) (200V) SI 0.04U
⚠ D723	2339481M	DI. AS01Z (200 TAPE) SI 0.6A
D724	CH00031M	DI. AU02V1 (280V)
D725	CH00031M	DI. AU02V1 (280V)
D726	CH00031M	DI. AU02V1 (280V)
D731	2339491M	DI. AM01Z (200 TAPE) 1A
D732	2339491M	DI. AM01Z (200 TAPE) 1A
⚠ D734	2339242M	ZD. HZS33L2 TAPE
⚠ D735	2339223M	ZD. HZS27 (3L)
D736	2339868M	ZD. HZS9C2 TAPE
D737	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D738	2339251M	ZD. HZS36-1L TAPE
D739	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D740	2339851M	ZD. HZS7A1 TAPE (SI.200MA)
D741	2339834M	ZD. HZS5(B1) TAPE (CZ58/CY58)
D742	2337341M	DI. 1SS270A (TP)
D743	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D744	2339889M	ZD. HZS12 (C3) 0.005A
D7H0	2339981M	ZD. HZS36-1 TA
D7H1	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D7H2	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D7H3	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D801	2339821M	ZD. HZS4A1 TA
D804	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D805	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D806	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D820	2339601M	ZD. HZS-2 TAPE (ALL) SI 400M
D821	2339601M	ZD. HZS-2 TAPE (ALL) SI 400M
D822	2339601M	ZD. HZS-2 TAPE (ALL) SI 400M
D823	2339868M	ZD. HZS9C2 TAPE
D825	2339868M	ZD. HZS9C2 TAPE
D826	2339868M	ZD. HZS9C2 TAPE
D855	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D856	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D857	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D858	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
⚠ D901	2342062	DI. D3SBA60-4103

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SYMBOL NO.	PART NO.	PART DESCRIPTION
D908	2349571M	DI. SM-1XP2TP
D909	2336612	DI. RU3AM SI 1.5A
D910	2338944	DI. FML-G12S (F) (200V) SI 0.04U
D915	2349571M	DI. SM-1XP2TP
D919	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
D935	2339491M	DI. AM01Z (200 TAPE) 1A
D951	2339052M	ZD. HZS7 (B2 L TP)
D955	2339092M	DI. HZS9C2L (CZ58)
D956	2339092M	DI. HZS9C2L (CZ58)
D957	2339092M	DI. HZS9C2L (CZ58)
D961	2332794	DI. RB-156 (LFB) SI 1.5A (CZ58)
D962	2339252M	ZD. HZS36-2L TAPE (CZ58)
D963	2339252M	ZD. HZS36-2L TAPE (CZ58)
D964	2339491M	DI. AM01Z (200 TAPE) 1A (CZ58)
D965	2339942M	ZD. HZS24-2TA (CZ58)
D966	2339491M	DI. AM01Z (200 TAPE) 1A (CZ58)
D967	2338531M	DI. EG-01C (V) SI 0.5A (CZ58)
D968	2349571M	DI. SM-1XP2TP (CZ58)
D975	2338944	DI. FML-G12S (F) (200V) SI 0.04U (CZ58)
D976	2338944	DI. FML-G12S (F) (200V) SI 0.04U (CZ58)
D985	2337341M	DI. 1SS270A (TP) (CZ58)
D991	2348392	DI. SINB10 (CZ56/57/CY58)
D9N1	2339092M	DI. HZS9C2L (CZ58)
D9N2	2339092M	DI. HZS9C2L (CZ58)
D9N3	2339092M	DI. HZS9C2L (CZ58)
DA01	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DA03	2339812M	ZD. HZS3A2 TA (SI.200MA)
DA04	2339812M	ZD. HZS3A2 TA (SI.200MA)
DA05	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DA07	2339812M	ZD. HZS3A2 TA (SI.200MA)
DA08	2339812M	ZD. HZS3A2 TA (SI.200MA)
DA09	2339889M	ZD. HZS12 (C3) 0.005A (CZ56/57/58)
DA10	2339889M	ZD. HZS12 (C3) 0.005A (CZ56/57/58)
DA70	2339889M	ZD. HZS12 (C3) 0.005A (CZ58/CZ57)
DA71	2339889M	ZD. HZS12 (C3) 0.005A (CZ58/CZ57)
DC01	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DC02	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DC03	2339889M	ZD. HZS12 (C3) 0.005A (CZ56/57/58)
DG01	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ56/57/CY58)
DM01	2398611M	DI. 1SS254 TAPE S 4NSEC(CZ57/58/CY58)
DM02	2398611M	DI. 1SS254 TAPE SI 4NSEC(CZ57/58/CY58)
DP01	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DP04	2339885M	ZD. HZS12B2 TA
DP19	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS01	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS01	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ57P)
DS02	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS02	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ57P)
DS03	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS03	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ57P)
DS04	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ58)
DS05	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS06	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS06	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ57P)
DS07	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ58)
DS08	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS08	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ57P)
DS09	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS09	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ57P)
DS10	2339839M	ZD. HZS5C3 TAPE (CZ57P)
DS11	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS11	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ57P)
DS12	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ58)
DS13	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ58)
DS13	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ57P)
DS14	2339839M	ZD. HZS5C3 TAPE (CZ57P)
DS15	2339491M	DI. AM01Z (200 TAPE) 1A
DS16	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS16	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC(CZ57P)
DS17	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS17	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ57P)
DS18	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DS18	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ57P)
DS19	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ58)
DS20	2339839M	ZD. HZS5C3 TAPE (CZ57P)
DS28	2339868M	ZD. HZS9C2 TAPE
DS29	2339868M	ZD. HZS9C2 TAPE
DS30	2339868M	ZD. HZS9C2 TAPE
DS31	2339839M	ZD. HZS5C3 TAPE
DS40	2339868M	ZD. HZS9C2 TAPE
DS41	2339868M	ZD. HZS9C2 TAPE
DS51	2339868M	ZD. HZS9C2 TAPE (CZ58)
DS52	2339868M	ZD. HZS9C2 TAPE (CZ58)
DS53	2339868M	ZD. HZS9C2 TAPE (CZ58)
DS54	2339868M	ZD. HZS9C2 TAPE (CZ58)
DT01	2339491M	DI. AM01Z (200 TAPE) 1A
DV01	2339491M	DI. AM01Z (200 TAPE) 1A
DV02	2339491M	DI. AM01Z (200 TAPE) 1A
DV03	2339491M	DI. AM01Z (200 TAPE) 1A
DV04	2339491M	DI. AM01Z (200 TAPE) 1A
DV05	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DV06	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DV07	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC
DVM1	2339868M	ZD. HZS9C2 TAPE
DX01	2398611M	DI. 1SS254 TAPE (35V) SI 4NSEC (CZ58/CY58)
DY02	2339889M	ZD. HZS12 (C3) 0.005A (CZ56/57/58)
DY03	2339889M	ZD. HZS12 (C3) 0.005A (CZ56/57/58)
DY04	2339889M	ZD. HZS12 (C3) 0.005A (CZ56/57/58)
DY71	2339889M	ZD. HZS12 (C3) 0.005A (CZ58/CZ57)
ZD0501	2339885M	ZD. HZS12B2 TA (CZ56)
ZD0502	2339885M	ZD. HZS12B2 TA (CZ56)
ZD3801	2331154M	ZD. HZ-12 (A1-3 B1-3.TA) SI 200MA (CZ56)
ZD3802	2331154M	ZD. HZ-12 (A1-3 B1-3.TA) SI 200MA (CZ56)
		REMOTE CONTROLS
E301	HL00211	REMOTE CONTROL UNIT CLU-951MP (35UX80B)
E301	HL00211	REMOTE CONTROL UNIT CLU-951MP (35TX79K)
E301	HL00211	REMOTE CONTROL UNIT CLU-951MP (32UX8B)
E301	HL00224	REMOTE CONTROL UNIT CLU-415UI (35UX70B)
		DEFLECTION YOKE
⚠ E601	BY00511	DEFLECTION YOKE MURATA(32V)
		FUSES
⚠ F601	2722382	FUSE-DC0.75A-J/UL(L)
⚠ F701	2722385	FUSE DC2A
⚠ F901	2722359	FUSE AC06A
⚠ F902	2722355	FUSE-AC2.5A-JP
		SPARK GAP/SURGE PROTECTOR
G801	2340037	SPARK GAP
G901	2340741	SURGE PROTECTOR DSP-301N-S00B
		FILTERS
CP0501	2574762	R/C MODULE SPS-409-1K(CZ56)
H001	2791754R	CONDENSER WITH 3 TERMINAL 100PF
H002	2791754R	CONDENSER WITH 3 TERMINAL 100PF
H003	2791754R	CONDENSER WITH 3 TERMINAL 100PF
H004	2791754R	CONDENSER WITH 3 TERMINAL 100PF
H005	2791754R	CONDENSER WITH 3 TERMINAL 100PF
H006	2791754R	CONDENSER WITH 3 TERMINAL 100PF
H008	2791754R	CONDENSER WITH 3 TERMINAL 100PF
⚠ H901	2793313	CP-EXN-G131P365L
HF01	2300361	SAW FILTER HW3461
HF02	2167311	FILTER CERAMIC (4.5MHZ)
HF03	2143492	TRAP CERAMIC (4.5MHZ)
HG01	2791754R	CONDENSER WITH 3 TER. 100PF (CZ56/57/CY58)
HM01	2574762	R/C MODULE SPS-409-1K (CZ57/58/CY58)

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SYMBOL NO.	PART NO.	PART DESCRIPTION
		INTEGRATED CIRCUITS
I001	CP01194	MN1874862HHP
I002	2366301	IC. UPD4052BC
I003	CP00822	DIGITAL MONOLITHIC IC M6M80042P
I004	2000541	IC. M51951BSL
I401	2020001	IC. TDA9860
I402	2004751	IC. TA8200AH
I403	2362602	IC. UPC4558
I404	2362602	IC. UPC4558
I501	2020324	ANALOG MONOLITHIC IC (YAT016H)
⚠ I620	2003541	IC. LA7838
I6H0	2362601	IC. HA17458PS
I701	2003421	IC. UPC7805AHF (CZ58/CY58)
I702	2020507	IC. AN7812F
⚠ I7H0	2000521	IC. PC713F6
⚠ I901	2020392	IC. TDA4605-3
⚠ I902	2369711	IC. TLP541G
I931	2020506	IC. AN7810F
I961	CP01141	FA5304 (CZ58)
I962	2000465	IC. PS2501-1 (KC/LC) (CZ58)
I981	CP01151	BA6161N (CZ58)
IA01	CP00811	ANALOG MONOLITHIC IC UPC1852
IA02	2366301	IC. UPD4052BC
IF01	2004171	IC. LA7577
IP31	2381772	IC. TC74HC221AP
IS01	CP00801U	LA2785 (CZ58)
IS02	CP00791U	LV1010N
IS02	CP00791U	LV1010N (CZ57P)
IS03	2362602	IC. UPC4558
IS03	2362602	IC. UPC4558 (CZ57P)
IS04	2362602	IC. UPC4558 (CZ58)
⚠ IS05	2004681	IC. TA8218AH
⚠ IS05	2004681	IC. TA8218AH (CZ57P)
IS06	2020001	IC. TDA9860
IS06	2362602	IC. UPC4558 (CZ57P)
IS08	2362651	IC. HD14053B (CZ58)
IS08	2362602	IC. UPC4558 (CZ57P)
IS09	2004362	IC. CXA1279AS (CZ57P)
IS10	CP00871U	DIGITAL MONOLITHIC IC (M62393P) (CZ57P)
IS11	2000361	IC. M51132L (CZ57P)
IS12	2362651	IC. HD14053B (CZ57P)
IS13	2000361	IC. M51132L (CZ57P)
IS14	2000361	IC. M51132L (CZ57P)
IS15	2004362	IC. CXA1279AS (CZ57P)
IS16	CP00871U	DIGITAL MONOLITHIC IC (M62393P) (CZ57P)
⚠ IT01	2000465	IC. PS2501-1 (KC/LC)
IX01	CP01081U	DIGITAL MONOLITHIC IC (TC9089AN) (CZ58/CY58)
IX02	CP00121U	ANALOG MONOLITHIC IC (MM1093N) (CZ58/CY58)
IY01	2020452	ANALOG MONOLITHIC IC (CXA1545AS)
		INDUCTORS/COILS
L001	2123781R	FILTER COIL 101K
L003	2123763R	RADIAL COIL 101K (TYPE EL0405)
L004	2123781R	FILTER COIL 101K (CZ58)
L005	2123781R	FILTER COIL 101K
L006	2123781R	FILTER COIL 101K
L009	2123763R	RADIAL COIL 101K (TYPE EL0405)
L10S	2123781R	FILTER COIL 101K (CZ58)
L301	2146092	COIL-TRAP (3.58MHZ) VL-5R8C0L (CZ56/57/CY58)
L302	2123763R	RADIAL COIL 101K (TYPE EL0405)
L303	2123763R	RADIAL COIL 101K (TYPE EL0405)
L304	2123781R	FILTER COIL 101K
L3N1	2122948M	COIL-AXIAL 27UHKM BELTING
L3N2	2122951M	COIL-AXIAL 39UHKM BELTING
L401	2123763R	RADIAL COIL 101K (TYPE EL0405)
L402	2122652M	FERRITE CORE
L403	2122652M	FERRITE CORE
L404	2122652M	FERRITE CORE
L405	2123781R	FILTER COIL 101K
L502	2123763R	RADIAL COIL 101K (TYPE EL0405) (CZ56/CZ57)
L610	2122099	FIXED INDUCTOR-FL-11Z 180K
L710	2122652M	FERRITE CORE
L711	2771893	FERRITE BEADS CORE (005)
L712	2122652M	FERRITE CORE
⚠ L713	2275381	COIL-CHOKING 1000UH
L714	2124513	COIL-H.LINEARITY M1LXU1
L720	2122213	FIXED COIL FL-11Z 30UH-K
⚠ L721	2122244M	COIL-AXIAL 22UH-K
L722	2122253M	COIL-AXIAL 100UH-K
L723	2122652M	FERRITE CORE
L851	2122245M	COIL-AXIAL 27UH-K
L852	2122245M	COIL-AXIAL 27UH-K
L853	2122245M	COIL-AXIAL 27UH-K
L854	2122253M	COIL-AXIAL 100UH-K
L855	2122253M	COIL-AXIAL 100UH-K
L856	2122253M	COIL-AXIAL 100UH-K
L857	2123468M	FERRITE BEADS CORE LEAD 0.8MH
L858	2123468M	FERRITE BEADS CORE LEAD 0.8MH
L859	2123468M	FERRITE BEADS CORE LEAD 0.8MH
L860	2123468M	FERRITE BEADS CORE LEAD 0.8MH
L861	2123468M	FERRITE BEADS CORE LEAD 0.8MH
L862	2123468M	FERRITE BEADS CORE LEAD 0.8MH
L863	2123468M	FERRITE BEADS CORE LEAD 0.8MH
⚠ L901	2169462	LINE FILTER COIL FX-7355-60
⚠ L902	2169462	LINE FILTER COIL FX-7355-60
L904	2774631R	FERRITE BEADS LEAD
L904	2123461M	FERRITE BEADS B 0.8 MH (32V)
L905	2774631R	FERRITE BEADS LEAD
L905	2229022	DEGAUSSING COIL (32V)
L906	2123461M	FERRITE BEADS B 0.8 MH
L908	2123461M	FERRITE BEADS B 0.8 MH
L909	2774631R	FERRITE BEADS LEAD
L909	2123461M	FERRITE BEADS B 0.8 MH (32V)
L931	2122253M	COIL-AXIAL 100UH-K
L932	2774631R	FERRITE BEADS LEAD
L935	2220577	COIL HLL-10UH KRL TSL0707
L965	2774631R	FERRITE BEADS LEAD (CZ58)
L966	2774631	FERRITE BEADS LEAD (CZ58)
L967	2774631R	FERRITE BEADS LEAD (CZ58)
L968	2774631R	FERRITE BEADS LEAD (CZ58)
L970	2229023	DEGAUSSING COIL (35V)
L975	2774631R	FERRITE BEADS LEAD (CZ58)
L976	2220585	COIL HLL-39UH KRL TSL0707 (CZ58)
L977	2774631R	FERRITE BEADS LEAD (CZ58)
L981	2122253M	COIL-AXIAL 100UH-K (CZ58)
L985	2120486	FILTER COIL 4.7MH-J (CZ58)
L986	2122956M	COIL-AXIAL 100UHKM BELTING (CZ58)
LA01	2123763R	RADIAL COIL 101K (TYPE EL0405)
LA02	2123763R	RADIAL COIL 101K (TYPE EL0405)
LA03	2123763R	RADIAL COIL 101K (TYPE EL0405)
LC01	2123763R	RADIAL COIL 101K (TYPE EL0405)
LC02	2122945M	COIL-AXIAL 15UHKM BELTING
LF01	2122927M	COIL-AXIAL 0.68UH-M
LF02	2143672	IF COIL WITH 7 CASE 1:3 IN CORE
LF05	2143678	IF COIL WITH 7 CASE 10T
LF06	2142445	COIL-AFC
LF10	2145982	COIL-DISCRI 4.7MHZ
LF11	2122949M	COIL-AXIAL 33UHKM BELTING
LF12	2122243M	COIL-AXIAL 18UH-K
LF14	2122952M	COIL-AXIAL 47UHKM BELTING
LF20	2123763R	RADIAL COIL 101K (TYPE EL0405)
LP01	2123781R	FILTER COIL 101K
LP02	2123781R	FILTER COIL 101K
LP31	2123763R	RADIAL COIL 101K (TYPE EL0405)
LS01	2123461M	FERRITE BEADS B 0.8 MH (CZ58)
LS02	2123461M	FERRITE BEADS B 0.8 MH
LS02	2123461M	FERRITE BEADS B 0.8 MH (CZ57P)
LS03	2123461M	FERRITE BEADS B 0.8 MH
LS03	2123461M	FERRITE BEADS B 0.8 MH (CZ57P)
LS04	2123781R	FILTER COIL 101K (CZ58)
LS05	2123781R	FILTER COIL 101K
LS05	2123781R	FILTER COIL 101K (CZ57P)
LS06	2123781R	FILTER COIL 101K
LS06	2123781R	FILTER COIL 101K (CZ57P)

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SYMBOL NO.	PART NO.	PART DESCRIPTION
LS07	2123781R	FILTER COIL 101K (CZ57P)
LS08	2123781R	FILTER COIL 101K (CZ57P)
LS09	2123781R	FILTER COIL 101K (CZ57P)
LS12	2123781R	FILTER COIL 101K (CZ57P)
LS13	2123781R	FILTER COIL 101K (CZ57P)
LS14	2123781R	FILTER COIL 101K (CZ57P)
LV01	2122943M	COIL-AXIAL 10UHKM BELTING
LV02	2123468M	FERRITE BEADS CORE LEAD 0.8MH
LV03	2123468M	FERRITE BEADS CORE LEAD 0.8MH
LV04	2123468M	FERRITE BEADS CORE LEAD 0.8MH
LV06	2122957M	COIL-AXIAL 120UHKM BELTING
LX01	2123105M	LAL02 AXIAL COIL 15UH-K (CZ58/CY58)
LX02	2123116M	COIL-AXIAL 100UH-K (CZ58/CY58)
LX03	2123109M	COIL-AXIAL 33UH-K (CZ58/CY58)
LX04	2123763R	RADIAL COIL 101K (TYPE EL0405) (CZ58/CY58)
LX05	2123763R	RADIAL COIL 101K (TYPE EL0405) (CZ58/CY58)
LX06	2123763R	RADIAL COIL 101K (TYPE EL0405) (CZ58/CY58)
LX07	2123763R	RADIAL COIL 101K (TYPE EL04050) (CZ58/CY58))
LX08	2123763R	RADIAL COIL 101K (TYPE EL0405) (CZ58/CY58)
LX09	2123763R	RADIAL COIL 101K (TYPE EL0405) (CZ58/CY58)
LX10	2123763R	RADIAL COIL 101K(TYPE EL0405)(CZ58/CY58)
LX11	2123109M	COIL-AXIAL 33UH-K (CZ58/CY58)
LY01	2123781R	FILTER COIL 101K
LY04	2123763R	RADIAL COIL 101K (TYPE EL0405)
LY70	2123763R	RADIAL COIL 101K (TYPE EL0405) (CZ58/CZ57)
		INSTRUCTION MANUAL
N201	QR02741	INSTRUCTION MANUAL 35V/32V
N201	QR02742	INSTRUCTION MANUAL 35UX70BA/35UX80B
		TRANSISTORS
Q001	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q002	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q003	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q004	2320647M	TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ
Q005	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q006	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q007	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
Q008	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q009	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q011	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q012	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q013	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q014	2321321M	TRS. 2SA844 (D TZ/E TZ) SI 200MH
Q015	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q018	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ)
Q019	2323521M	TRS. 2SD789 B/C/D/E SI 80MHZ
Q020	2320647M	TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ (CZ58)
Q021	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q023	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q024	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q0501	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ56)
Q0502	2312992	PHOTO TRS. RPT-38PT3F (M) (CZ56)
Q10S	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ (CZ58)
Q301	2326876R	TRS. DTC124ES TAPE (CZ56/57/CY58)
Q302	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q303	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q304	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q305	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q420	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q420	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MHZ (CZ57P)
Q421	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q422	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q504	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q505	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
Q506	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q507	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q508	2320647M	TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ
Q610	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
Q6H0	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ)
Q710	2323523M	TRS. 2SD789 D TAPE
⚠ Q711	2315275F	TRS. 2SC4589-06 (1500V)
Q713	2321112M	TRS.2SA778AK (02 TAPE)
Q714	2323434	TRS. 2SC1983 (O/Y)
Q720	2323431	TRS. 2SC1983
Q721	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
Q722	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ (CZ58/CY58)
Q7H0	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
Q7H1	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
Q811	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
Q812	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
Q851	2315491	TRS. 2SC4544
Q852	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q853	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
Q854	2315491	TRS. 2SC4544
Q855	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q856	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
Q857	2315491	TRS. 2SC4544
Q858	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
Q859	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
Q901	CF00211	TRS. 2SK1101-01M (450V)
⚠ Q941	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
Q945	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
Q951	2326631	THYRISTOR CR5AS-8 (B-A1)
Q961	CF00211	TRS. 2SK1101-01M (450V)(CZ58)
Q962	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ (CZ58)
Q963	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ (CZ58)
Q964	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ (CZ58)
Q981	2315933	TRS. 2SB1548A P/Q (CZ58)
Q982	2320647M	TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ (CZ58)
Q9N1	2312172	TRS. 2SD2375 Q/P (CZ58)
Q9N2	2320664	TRS. 2SC1213A (B/C) SI 80MHZ
Q9N3	2315933	TRS. 2SB1548A P/Q (CZ56/57/CY58)
Q9N3	2321321M	TRS. 2SA844 (D TZ/E TZ) SI 200MH(CZ58)
QA01	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QA02	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
QA03	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QA04	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
QA05	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QA06	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QA07	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QA08	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
QA09	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QA10	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ
QA11	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QA12	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QA70	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH (CZ58/CZ57)
QA71	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH (CZ58/CZ57)
QA72	2326876R	TRS. DTC124ES TAPE
QA73	2326876R	TRS. DTC124ES TAPE
QC01	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QC02	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QC03	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QC04	2326876R	TRS. DTC124ES TAPE
QC05	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QF01	2320144M	TRS. 2SC1906 (TAPE) SI 750MH
QF02	2320144M	TRS. 2SC1906 (TAPE) SI 750MH
QF03	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
QM01	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH (CZ57/58/CY58)
QM02	2312992	PHOTO TRS. RPT-38PT3F (M) (CZ57/58/CY58)
QS01	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ)
QS02	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ)
QS03	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ)
QS03	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MHZ (CZ57P)
QS04	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ)
QS04	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MHZ (CZ57P)
QS05	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ)
QS05	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MHZ (CZ57P)
QS06	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ)
QS06	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MHZ (CZ57P)
QS07	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ58)
QS08	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ58)
QS08	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MHZ (CZ57P)
QS11	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)

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SYMBOL NO.	PART NO.	PART DESCRIPTION
QS12	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)
QS14	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)
QS15	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)
QS17	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MHZ (CZ57P)
QSN1	2312172	TRS. 2SD2375 Q/P (CZ58)
QSN2	2320647M	TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ
QSN2	2320647M	TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ4 (CZ57P)
QSN3	2315933	TRS. 2SB1548A P/Q (CZ56/57/CY58)
QSN3	2321321M	TRS. 2SA844 (D TZ/E TZ) SI 200MH (CZ58)
QSN3	2315933	TRS. 2SB1548A P/Q (CZ57P)
QT01	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ56/57/CY58)
QT01	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)
QT02	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ56/57/CY58)
QT02	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)
QT03	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ56/57/CY58)
QT03	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)
QT04	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ56/57/CY58)
QT04	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)
QT05	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ56/57/CY58)
QT05	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)
QT06	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ56/57/CY58)
QT06	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)
QT07	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ56/57/CY58)
QT07	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)
QT08	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ56/57/CY58)
QT08	2320598M	TRS. 2SC458 (B TZ/C TZ/D TZ) (CZ57P)
QV01	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
QV02	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
QV03	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
QV04	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
QV05	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
QV06	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
QV07	2320647M	TRS. 2SC1213 (C 21 TZ/D 21 TZ) SI 80MHZ
QV08	2321351M	TRS. 2SA836/844D/E 100MA 200MW 200MHZSI
QV09	2315381	TRS. 2SA1837
QV10	2315391	TRS. 2SC4793
QV11	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
QV12	2320596M	TRS. 2SC458 (C TZ/D TZ) SI 230MH
QX01	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH (CZ58/CY58)
QX02	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH (CZ58/CY58)
QX04	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH (CZ58/CY58)
QX05	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH (CZ58/CY58)
QX08	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH (CZ58/CY58)
QX09	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH (CZ58/CY58)
QX10	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH (CZ58/CY58)
QX11	2320637M	TRS. 2SA673 (C 26TZ/D 26TZ) SI 80MHZ (CZ58/CY58)
QX12	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH (CZ58/CY58
QY07	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
QY08	2320591M	TRS. 2SC458 (B TZ/C TZ) SI 230MH
		RESISTORS
R004	0100065M	CF. 1/8W 1K-JB
R005	0100089M	CF. 1/8W 10K-JB
R006	0100065M	CF. 1/8W 1K-JB
R007	0100065M	CF. 1/8W 1K-JB
R008	0700041M	CF. 1/16W 1.0K-JB
R009	0700041M	CF. 1/16W 1.0K-JB
R010	0700054M	CF. 1/16W 10K-JB
R011	0700041M	CF. 1/16W 1.0K-JB
R012	0700041M	CF. 1/16W 1.0K-JB
R013	0700058M	CF. 1/16W 22K-JB
R014	0700058M	CF. 1/16W 22K-JB
R015	0700058M	CF. 1/16W 22K-JB
R016	0700041M	CF. 1/16W 1.0K-JB
R017	0700041M	CF. 1/16W 1.0K-JB
R018	0700041M	CF. 1/16W 1.0K-JB
R019	0700032M	CF. 1/16W 220-JB
R020	0700041M	CF. 1/16W 1.0K-JB
R021	0700041M	CF. 1/16W 1.0K-JB
R022	0700058M	CF. 1/16W 22K-JB
R023	0700049M	CF. 1/16W 4.7K-JB
R024	0700051M	CF. 1/16W 5.6K-JB
R025	0700041M	CF. 1/16W 1.0K-JB
R026	0700046M	CF. 1/16W 2.7K-JB
R028	0700041M	CF. 1/16W 1.0K-JB
R029	0700041M	CF. 1/16W 1.0K-JB
R030	0700041M	CF. 1/16W 1.0K-JB
R031	0700041M	CF. 1/16W 1.0K-JB
R032	0700041M	CF. 1/16W 1.0K-JB
R033	0700054M	CF. 1/16W 10K-JB
R034	0700054M	CF. 1/16W 10K-JB
R035	0700058M	CF. 1/16W 22K-JB
R036	0700065M	CF. 1/16W 68K-JB (CZ58)
R037	0700041M	CF. 1/16W 1.0K-JB
R038	0700041M	CF. 1/16W 1.0K-JB
R039	0700041M	CF. 1/16W 1.0K-JB (CZ58)
R040	0700027M	CF. 1/16W 100-JB
R042	0700054M	CF. 1/16W 10K-JB
R043	0700056M	CF. 1/16W 15K-JB
R044	0700049M	CF. 1/16W 4.7K-JB
R047	0700054M	CF. 1/16W 10K-JB
R049	0700058M	CF. 1/16W 22K-JB
R0501	0700041M	CF. 1/16W 1.0K-JB (CZ56)
R0502	0700058M	CF. 1/16W 22K-JB (CZ56)
R0503	0700045M	CF. 1/16W 2.2K-JB (CZ56)
R0504	0100065M	CF. 1/8W 1K-JB (CZ56)
R051	0700054M	CF. 1/16W 10K-JB
R0510	0100125M	CF. 1/8W 330K-JB (CZ56)
R0511	0700041M	CF. 1/16W 1.0K-JB (CZ56)
R0512	0100125M	CF. 1/8W 330K-JB (CZ56)
R0513	0100129M	CF. 1/8W 470K-JB (CZ56)
R0516	0700041M	CF. 1/16W 1.0K-JB (CZ56)
R0517	0700043M	CF. 1/16W 1.5K-JB (CZ56)
R0518	0187074M	CF. 1/16W 2.4K-JB (CZ56)
R0519	0187080M	CF. 1/16W 4.3K-JB (CZ56)
R0520	0100065M	CF. 1/8W 1K-JB (CZ56)
R053	0700041M	CF. 1/16W 1.0K-JB
R055	0700054M	CF. 1/16W 10K-JB
R0550	0100125M	CF. 1/8W 330K-JB (CZ56)
R059	0700053M	CF. 1/16W 8.2K-JB
R060	0700054M	CF. 1/16W 10K-JB
R061	0700053M	CF. 1/16W 8.2K-JB
R062	0700054M	CF. 1/16W 10K-JB
R063	0700055M	CF. 1/16W 12K-JB
R064	0700054M	CF. 1/16W 10K-JB
R065	0700045M	CF. 1/16W 2.2K-JB
R066	0700058M	CF. 1/16W 22K-JB
R067	0700049M	CF. 1/16W 4.7K-JB
R068	0700067M	CF. 1/16W 100K-JB
R069	0700031M	CF. 1/16W 180-JB
R070	0700066M	CF. 1/16W 82K-JB
R071	0700058M	CF. 1/16W 22K-JB
R073	0700041M	CF. 1/16W 1.0K-JB
R074	0700036M	CF. 1/16W 470-JB
R075	0700036M	CF. 1/16W 470-JB
R078	0700054M	CF. 1/16W 10K-JB
R079	0700054M	CF. 1/16W 10K-JB
R080	0100107M	CF. 1/8W 56K-JB
R081	0700051M	CF. 1/16W 5.6K-JB
R082	0700051M	CF. 1/16W 5.6K-JB
R083	0700036M	CF. 1/16W 470-JB
R084	0700036M	CF. 1/16W 470-JB
R085	0700041M	CF. 1/16W 1.0K-JB
R086	0700041M	CF. 1/16W 1.0K-JB
R087	0700027M	CF. 1/16W 100-JB
R089	0700041M	CF. 1/16W 1.0K-JB
R091	0700049M	CF. 1/16W 4.7K-JB
R092	0700041M	CF. 1/16W 1.0K-JB
R093	0700041M	CF. 1/16W 1.0K-JB
R094	0700041M	CF. 1/16W 1.0K-JB
R095	0700056M	CF. 1/16W 15K-JB
R096	0700054M	CF. 1/16W 10K-JB
R097	0700063M	CF. 1/16W 47K-JB
R099	0700063M	CF. 1/16W 47K-JB
R1	0100065M	CF. 1/8W 1K-JB (CZ57P)

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R100	0700067M	CF. 1/16W 100K-JB	R315	0700033M	CF. 1/16W 270-JB
R101	0700058M	CF. 1/16W 22K-JB	R316	0700032M	CF. 1/16W 220-JB
R102	0700058M	CF. 1/16W 22K-JB	R317	0700061M	CF. 1/16W 33K-JB
R104	0700041M	CF. 1/16W 1.0K-JB (CZ58)	R319	0700064M	CF. 1/16W 56K-JB
R105	0700041M	CF. 1/16W 1.0K-JB	R31N	0700033M	CF. 1/16W 270-JB
R106	0700058M	CF. 1/16W 22K-JB	R320	0700066M	CF. 1/16W 82K-JB
R107	0700041M	CF. 1/16W 1.0K-JB	R321	0700064M	CF. 1/16W 56K-JB
R108	0700051M	CF. 1/16W 5.6K-JB	R322	0700058M	CF. 1/16W 22K-JB
R109	0700041M	CF. 1/16W 1.0K-JB	R323	0700054M	CF. 1/16W 10K-JB
R10S	0700033M	CF. 1/16W 270-JB (CZ58)	R324	0700059M	CF. 1/16W 27K-JB
R110	0700041M	CF. 1/16W 1.0K-JB	R325	0150114	VR. RV6 10K-B
R111	0700041M	CF. 1/16W 1.0K-JB	R326	0700063M	CF. 1/16W 47K-JB
R113	0700056M	CF. 1/16W 15K-JB	R327	0700058M	CF. 1/16W 22K-JB
R114	0700041M	CF. 1/16W 1.0K-JB	R328	0700041M	CF. 1/16W 1.0K-JB
R115	0700041M	CF. 1/16W 1.0K-JB	R329	0700048M	CF. 1/16W 3.9K-JB
R116	0700041M	CF. 1/16W 1.0K-JB	R330	0700029M	CF. 1/16W 150-JB
R117	0700054M	CF. 1/16W 10K-JB	R331	0700047M	CF. 1/16W 3.3K-JB
R119	0700041M	CF. 1/16W 1.0K-JB	R332	0700049M	CF. 1/16W 4.7K-JB
R11S	0700033M	CF. 1/16W 270-JB (CZ58)	R334	0700051M	CF. 1/16W 5.6K-JB
R123	0700041M	CF. 1/16W 1.0K-JB	R335	0700049M	CF. 1/16W 4.7K-JB
R124	0700041M	CF. 1/16W 1.0K-JB	R336	0100131M	CF. 1/8W 560K-JB
R125	0700041M	CF. 1/16W 1.0K-JB	R337	0700058M	CF. 1/16W 22K-JB
R126	0700041M	CF. 1/16W 1.0K-JB	R338	0700054M	CF. 1/16W 10K-JB
R12S	0700027M	CF. 1/16W 100-JB (CZ58)	R339	0700067M	CF. 1/16W 100K-JB
R134	0700058M	CF. 1/16W 22K-JB	R340	0700054M	CF. 1/16W 10K-JB
R137	0700041M	CF. 1/16W 1.0K-JB	R341	0700067M	CF. 1/16W 100K-JB
R139	0700041M	CF. 1/16W 1.0K-JB	R342	0700052M	CF. 1/16W 6.8K-JB
R13S	0700041M	CF. 1/16W 1.0K-JB (CZ58)	R343	0700049M	CF. 1/16W 4.7K-JB
R140	0700041M	CF. 1/16W 1.0K-JB	R344	0700048M	CF. 1/16W 3.9K-JB
R141	0700041M	CF. 1/16W 1.0K-JB	R345	0700049M	CF. 1/16W 4.7K-JB
R144	0700041M	CF. 1/16W 1.0K-JB	R346	0700065M	CF. 1/16W 68K-JB
R145	0700027M	CF. 1/16W 100-JB	R347	0700046M	CF. 1/16W 2.7K-JB
R147	0700041M	CF. 1/16W 1.0K-JB	R348	0700049M	CF. 1/16W 4.7K-JB
R148	0700041M	CF. 1/16W 1.0K-JB	R350	0700053M	CF. 1/16W 8.2K-JB
R149	0700041M	CF. 1/16W 1.0K-JB	R351	0700048M	CF. 1/16W 3.9K-JB
R14S	0700054M	CF. 1/16W 10K-JB (CZ58)	R353	0700041M	CF. 1/16W 1.0K-JB
R150	0700041M	CF. 1/16W 1.0K-JB	R355	0700048M	CF. 1/16W 3.9K-JB
R151	0100059M	CF. 1/8W 560-JB	R356	0700049M	CF. 1/16W 4.7K-JB
R152	0700022M	CF. 1/16W 39-J	R357	0700053M	CF. 1/16W 8.2K-JB
R153	0100065M	CF. 1/8W 1K-JB	R358	0100129M	CF. 1/8W 470K-JB
R154	0700054M	CF. 1/16W 10K-JB (CZ58)	R359	0700034M	CF. 1/16W 330-JB
R155	0700054M	CF. 1/16W 10K-JB (CZ58)	R361	0700034M	CF. 1/16W 330-JB
R156	0100065M	CF. 1/8W 1K-JB (CZ58)	R362	0700034M	CF. 1/16W 330-JB
R157	0700034M	CF. 1/16W 330-JB	R363	0700034M	CF. 1/16W 330-JB
R158	0700041M	CF. 1/16W 1.0K-JB	R364	0700054M	CF. 1/16W 10K-JB
R15S	0100113M	CF. 1/8W 100K-JB (CZ58)	R366	0700041M	CF. 1/16W 1.0K-JB
R161	0700041M	CF. 1/16W 1.0K-JB	R368	0700051M	CF. 1/16W 5.6K-JB
R166	0700054M	CF. 1/16W 10K-JB	R369	0700033M	CF. 1/16W 270-JB
R167	0700054M	CF. 1/16W 10K-JB	R371	0700041M	CF. 1/16W 1.0K-JB
R168	0700057M	CF. 1/16W 18K-JB	R374	0700047M	CF. 1/16W 3.3K-JB
R169	0100059M	CF. 1/8W 560-JB	R375	0100125M	CF. 1/8W 330K-JB
R170	0700027M	CF. 1/16W 100-JB	R3801	0187038M	CF. 1/16W 75-J (CZ56)
R178	0700063M	CF. 1/16W 47K-JB	R3802	0100041M	CF. 1/8W 100-JB (CZ56)
R185	0700054M	CF. 1/16W 10K-JB	R3803	0700041M	CF. 1/16W 1.0K-JB (CZ56)
R186	0700041M	CF. 1/16W 1.0K-JB	R3804	0700041M	CF. 1/16W 1.0K-JB(CZ56)
R188	0700054M	CF. 1/16W 10K-JB	R3805	0100123M	CF. 1/8W 270K-JB (CZ56)
R189	0700063M	CF. 1/16W 47K-JB	R3806	0700064M	CF. 1/16W 56K-JB (CZ56)
R190	0700051M	CF. 1/16W 5.6K-JB	R3807	0700047M	CF. 1/16W 3.3K-JB (CZ56)
R194	0700054M	CF. 1/16W 10K-JB	R3808	0700045M	CF. 1/16W 2.2K-JB (CZ56)
R2	0100065M	CF. 1/8W 1K-JB (CZ57P)	R3809	0700064M	CF. 1/16W 56K-JB (CZ56)
R301	0700041M	CF. 1/16W 1.0K-JB	R381	0100051M	CF. 1/8W 270-JB
R302	0700056M	CF. 1/16W 15K-JB	R3810	0100123M	CF. 1/8W 270K-JB (CZ56)
R303	0700041M	CF. 1/16W 1.0K-JB (CZ56/57/CY58)	R3811	0700041M	CF. 1/16W 1.0K-JB (CZ56)
R304	0700029M	CF. 1/16W 150-JB	R3812	0700041M	CF. 1/16W 1.0K-JB (CZ56)
R305	0700054M	CF. 1/16W 10K-JB (CZ56/57/CY58)	R3813	0100041M	CF. 1/8W 100-JB (CZ56)
R306	0700058M	CF. 1/16W 22K-JB	R382	0700062M	CF. 1/16W 39K-JB
R307	0700058M	CF. 1/16W 22K-JB	R383	0700038M	CF. 1/16W 680-JB
R308	0700057M	CF. 1/16W 18K-JB	R384	0700039M	CF. 1/16W 820-JB
R309	0700054M	CF. 1/16W 10K-JB	R385	0700043M	CF. 1/16W 1.5K-JB
R311	0700061M	CF. 1/16W 33K-JB	R386	0114135M	CF. 1/4W 150-JB
R312	0700029M	CF. 1/16W 150-JB	R387	0700037M	CF. 1/16W 560-JB
R313	0700054M	CF. 1/16W 10K-JB	R388	0700027M	CF. 1/16W 100-JB
R314	0700046M	CF. 1/16W 2.7K-JB	R389	0700063M	CF. 1/16W 47K-JB

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R390	0100055M	CF. 1/8W 390-JB	R493	0700054M	CF. 1/16W 10K-JB
R391	0100115M	CF. 1/8W 120K-JB	R494	0700041M	CF. 1/16W 1.0K-JB
R392	0700041M	CF. 1/16W 1.0K-JB	R495	0700051M	CF. 1/16W 5.6K-JB
R393	0700052M	CF. 1/16W 6.8K-JB	R496	0700043M	CF. 1/16W 1.5K-JB
R394	0700046M	CF. 1/16W 2.7K-JB	R501	0187086M	CF. 1/16W 7.5K-JB
R395	0700043M	CF. 1/16W 1.5K-JB	R507	0700067M	CF. 1/16W 100K-JB
R396	0700061M	CF. 1/16W 33K-JB	R513	0700041M	CF. 1/16W 1.0K-JB
R397	0700057M	CF. 1/16W 18K-JB	R514	0100129M	CF. 1/8W 470K-JB
R398	0100121M	CF. 1/8W 220K-JB	R516	0700067M	CF. 1/16W 100K-JB
R399	0700055M	CF. 1/16W 12K-JB	R517	0700054M	CF. 1/16W 10K-JB
R3A8	0100119M	CF. 1/8W 180K-JB	R518	0700067M	CF. 1/16W 100K-JB
R3A9	0700042M	CF. 1/16W 1.2K-JB	R519	0700061M	CF. 1/16W 33K-JB
R3E1	0700027M	CF. 1/16W 100-JB	R520	0700066M	CF. 1/16W 82K-JB
R3E2	0700027M	CF. 1/16W 100-JB	R521	0700054M	CF. 1/16W 10K-JB
R3N2	0700032M	CF. 1/16W 220-JB	R522	0700065M	CF. 1/16W 68K-JB
R3N3	0700028M	CF. 1/16W 120-JB	R523	0700054M	CF. 1/16W 10K-JB
R3N4	0700036M	CF. 1/16W 470-JB	R526	0700054M	CF. 1/16W 10K-JB
R3N5	0700042M	CF. 1/16W 1.2K-JB	R527	0700054M	CF. 1/16W 10K-JB
R3N6	0700034M	CF. 1/16W 330-JB	R528	0700067M	CF. 1/16W 100K-JB
R401	0700041M	CF. 1/16W 1.0K-JB	R529	0700059M	CF. 1/16W 27K-JB
R402	0100059M	CF. 1/8W 560-JB	R530	0700047M	CF. 1/16W 3.3K-JB
R410	0700043M	CF. 1/16W 1.5K-JB	R531	0700049M	CF. 1/16W 4.7K-JB
R411	0700051M	CF. 1/16W 5.6K-JB	R532	0700061M	CF. 1/16W 33K-JB
R412	0700051M	CF. 1/16W 5.6K-JB	R533	0700046M	CF. 1/16W 2.7K-JB
R413	0700051M	CF. 1/16W 5.6K-JB	R534	0700054M	CF. 1/16W 10K-JB
R414	0700034M	CF. 1/16W 330-JB	R535	0700055M	CF. 1/16W 12K-JB
R415	0700067M	CF. 1/16W 100K-JB	R538	0100037M	CF. 1/8W 68-JB
R416	0700054M	CF. 1/16W 10K-JB	R539	0100049M	CF. 1/8W 220-JB
R417	0700054M	CF. 1/16W 10K-JB	R540	0100049M	CF. 1/8W 220-JB
R418	0700067M	CF. 1/16W 100K-JB	R541	0100049M	CF. 1/8W 220-JB
R419	0700045M	CF. 1/16W 2.2K-JB	R542	0100041M	CF. 1/8W 100-JB
R420	0700054M	CF. 1/16W 10K-JB	R543	0700027M	CF. 1/16W 100-JB
R421	0700034M	CF. 1/16W 330-JB	R544	0700054M	CF. 1/16W 10K-JB
R423	0700045M	CF. 1/16W 2.2K-JB	R548	0700054M	CF. 1/16W 10K-JB
R424	0700054M	CF. 1/16W 10K-JB	R549	0700029M	CF. 1/16W 150-JB
R425	0700058M	CF. 1/16W 22K-JB	R550	0700066M	CF. 1/16W 82K-JB
R426	0700058M	CF. 1/16W 22K-JB	R570	0700062M	CF. 1/16W 39K-JB (CZ56/CZ57)
R453	0700041M	CF. 1/16W 1.0K-JB	R5P1	0100065M	CF. 1/8W 1K-JB
R454	0700041M	CF. 1/16W 1.0K-JB	R5P2	0100065M	CF. 1/8W 1K-JB
R466	0700041M	CF. 1/16W 1.0K-JB	R5P3	0100065M	CF. 1/8W 1K-JB
R466	0700041M	CF. 1/16W 1.0K-JB (CZ57P)	R5P4	0100065M	CF. 1/8W 1K-JB
R467	0700041M	CF. 1/16W 1.0K-JB	R5P5	0110103S	MF. 18-JS
R467	0700041M	CF. 1/16W 1.0K-JB (CZ57P)	R5P6	0100061M	CF. 1/8W 680-JB
R471	0700054M	CF. 1/16W 10K-JB	R620	0700035M	CF. 1/16W 390-JB
R471	0700054M	CF. 1/16W 10K-JB (CZ57P)	R621	0700065M	CF. 1/16W 68K-JB
R472	0700054M	CF. 1/16W 10K-JB	R622	0700058M	CF. 1/16W 22K-JB
R472	0700054M	CF. 1/16W 10K-JB (CZ57P)	R623	0100131M	CF. 1/8W 560K-JB
R473	0700051M	CF. 1/16W 5.6K-JB (CZ58)	R624	0114135M	CF. 1/4W 150-JB
R473	0700051M	CF. 1/16W 5.6K-JB (CZ56/57/CY58)	R625	0700059M	CF. 1/16W 27K-JB
R473	0700051M	CF. 1/16W 5.6K-JB (CZ57P)	R626	0100129M	CF. 1/8W 470K-JB
R474	0700051M	CF. 1/16W 5.6K-JB (CZ58)	R627	0187106M	CF. 1/16W 51K-JB
R474	0700051M	CF. 1/16W 5.6K-JB (CZ56/57/CY58)	R628	0187104M	CF. 1/16W 43K-JB (CZ56/57/58)
R474	0700051M	CF. 1/16W 5.6K-JB (CZ57P)	R628	0700064M	CF. 1/16W 56K-JB (CY58)
R475	0700046M	CF. 1/16W 2.7K-JB	R629	0187074M	CF. 1/16W 2.4K-JB
R475	0700046M	CF. 1/16W 2.7K-JB (CZ57P)	R630	0700065M	CF. 1/16W 68K-JB (CY58)
R476	0700046M	CF. 1/16W 2.7K-JB	R630	0700067M	CF. 1/16W 100K-JB (CZ56/57/58)
R476	0700046M	CF. 1/16W 2.7K-JB (CZ57P)	R631	0150160	VR. RV06 100K-B 0.1W
R477	0700063M	CF. 1/16W 47K-JB	R632	0119731M	MF. 1W R68-K TAPE (CZ56/57/58)
R478	0700067M	CF. 1/16W 100K-JB	R632	0119841M	MF. 1W 0.82-JB (CY58)
R479	0700036M	CF. 1/16W 470-JB	R633	0113733M	CF. SRD1/2P-B 220-J
⚠ R480	0119505S	MF. 1/4W 2.2-J	R634	0700049M	CF. 1/16W 4.7K-JB
⚠ R481	0119505S	MF. 1/4W 2.2-J	R635	0100065M	CF. 1/8W 1K-JB
R482	0700063M	CF. 1/16W 47K-JB	R636	0700041M	CF. 1/16W 1.0K-JB
R483	0700041M	CF. 1/16W 1.0K-JB	R637	0700037M	CF. 1/16W 560-JB
R484	0700058M	CF. 1/16W 22K-JB	R638	0114161M	CF. 1/4W 1K-JB
R485	0700065M	CF. 1/16W 68K-JB	R639	0114161M	CF. 1/4W 1K-JB (CZ56/57/58)
R486	0700065M	CF. 1/16W 68K-JB	R640	0700032M	CF. 1/16W 220-JB
R487	0114161M	CF. 1/4W 1K-JB	R641	0110115S	MF. 56-JS
R488	0114161M	CF. 1/4W 1K-JB	R692	0700041M	CF. 1/16W 1.0K-JB
R489	0700063M	CF. 1/16W 47K-JB	R6H0	0700063M	CF. 1/16W 47K-JB (CY58)
R490	0700063M	CF. 1/16W 47K-JB	R6H0	0700066M	CF. 1/16W 82K-JB (CZ56/57/CY58)
R491	0700054M	CF. 1/16W 10K-JB	R6H1	0700066M	CF. 1/16W 82K-JB (CZ56/57/CY58)
R492	0700041M	CF. 1/16W 1.0K-JB	R6H2	0700059M	CF. 1/16W 27K-JB

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SYMBOL NO.	PART NO.	PART DESCRIPTION
R6H3	0700045M	CF. 1/16W 2.2K-JB
R6H4	0700044M	CF. 1/16W 1.8K-JB
R6H5	0100133M	CF. 1/8W 680K-JB
R6H6	0700064M	CF. 1/16W 56K-JB
R6H7	0700059M	CF. 1/16W 27K-JB (CY58)
R6H7	0700061M	CF. 1/16W 33K-JB (CZ56/57/CY58)
R6H8	0700067M	CF. 1/16W 100K-JB
R6H9	0700061M	CF. 1/16W 33K-JB
R6HA	0114143M	CF. 1/4W 330-JB
R6HE	0100056M	CF. 1/8W 430-JB
R6HF	0700049M	CF. 1/16W 4.7K-JB
R6HG	0700057M	CF. 1/16W 18K-JB
R6HH	0700064M	CF. 1/16W 56K-JB (CZ56/57/CY58)
R6HH	0700066M	CF. 1/16W 82K-JB (CY58)
R6HJ	0700059M	CF. 1/16W 27K-JB
R6HK	0700063M	CF. 1/16W 47K-JB
R6HM	0100117M	CF. 1/8W 150K-JB
R6HN	0700067M	CF. 1/16W 100K-JB
R6HS	2340371	THERMISTOR 112301-9
R710	0113729M	CF. 1/2W 150-JB
⚠ R711	0100037M	CF. 1/8W 68-JB
R712	0114141M	CF. 1/4W 270-JB
R713	0119688M	MF. 1W 0.22-JB
R714	0100087M	CF. 1/8W 8.2K-JB
R715	0100133M	CF. 1/8W 680K-JB
R716	0100109M	CF. 1/8W 68K-JB
R718	0113760M	CF. 1/2W 2.7K-JB
R719	0110259S	MF. 3.9K-JS
R720	0110257S	MF. 3.3K-JS
R721	0100071M	CF. 1/8W 1.8K-JB
⚠ R730	0119838S	MF. 1/4-S 0.5-J
⚠ R732	0119505G	MF. 2.2-J
⚠ R733	0119505G	MF. 2.2-J
⚠ R734	0100073M	CF. 1/8W 2.2K-JB
R735	0100077M	CF. 1/8W 3.3K-JB
R736	0100105M	CF. 1/8W 47K-JB
R737	0100106M	CF. 1/8W 51K-JB (CZ56/57/58)
R737	0100107M	CF. 1/8W 56K-JB (CY58)
R742	0110225S	MF. 150-JS 2W
R743	0114049M	CF. 1/4W 22-JB
R744	0114141M	CF. 1/4W 270-JB
R745	0700063M	CF. 1/16W 47K-JB
R746	0700049M	CF. 1/16W 4.7K-JB
R747	0700046M	CF. 1/16W 2.7K-JB (CZ58/CY58)
R748	0700061M	CF. 1/16W 33K-JB (CZ58/CY58)
R749	0700067M	CF. 1/16W 100K-JB
R750	0113750M	CF. 1/2W 1K-JB
⚠ R751	0700053M	CF. 1/16W 8.2K-JB
R753	0110241S	MF. 680-JS
⚠ R754	0700048M	CF. 1/16W 3.9K-JB
R755	0100061M	CF. 1/8W 680-JB
R756	0700041M	CF. 1/16W 1.0K-JB
R757	0114141M	CF. 1/4W 270-JB
R758	0700041M	CF. 1/16W 1.0K-JB
R759	0150114	VR. RV6 10K-B
⚠ R761	0700032M	CF. 1/16W 220-JB
R767	0100025M	CF. 1/8W 22-JB
R7H0	0100075M	CF. 1/8W 2.7K-JB
R7H1	0700058M	CF. 1/16W 22K-JB
R7H2	0700064M	CF. 1/16W 56K-JB
R7H3	0700066M	CF. 1/16W 82K-JB
R7H4	0700064M	CF. 1/16W 56K-JB
R7H5	0700057M	CF. 1/16W 18K-JB
R7H6	0150276	VR. RV06 20K-B (V)
R7H7	0700067M	CF. 1/16W 100K-JB
R7H8	0700027M	CF. 1/16W 100-JB
R7H9	0700038M	CF. 1/16W 680-JB
R7HA	0700056M	CF. 1/16W 15K-JB
R7HE	0700044M	CF. 1/16W 1.8K-JB
R7HF	0150279	VR. RV06 100K-B (V)
R7HG	0700065M	CF. 1/16W 68K-JB
R7HH	0700054M	CF. 1/16W 10K-JB
R7HJ	0700051M	CF. 1/16W 5.6K-JB
R7HK	0100073M	CF. 1/8W 2.2K-JB
R801	0100053M	CF. 1/8W 330-JB
R802	0110255S	MF. 2.7K-JS
R803	0110255S	MF. 2.7K-JS
R804	0110255S	MF. 2.7K-JS
R805	0179600M	MG. 10M-J TAPE (CZ56/57)
R806	0179600M	MG. 10M-J TAPE (CZ56/57)
R811	0100033M	CF. 1/8W 47-JB
R812	0100033M	CF. 1/8W 47-JB
R813	0100033M	CF. 1/8W 47-JB
R814	0700038M	CF. 1/16W 680-JB
R816	0700049M	CF. 1/16W 4.7K-JB
R817	0700045M	CF. 1/16W 2.2K-JB
R818	0700049M	CF. 1/16W 4.7K-JB
R823	0100089M	CF. 1/8W 10K-JB
R851	0110255S	MF. 2.7K-JS
R852	0110255S	MF. 2.7K-JS
R853	0110255S	MF. 2.7K-JS
R854	0113750M	CF. 1/2W 1K-JB
R855	0113750M	CF. 1/2W 1K-JB
R856	0113750M	CF. 1/2W 1K-JB
R857	0100053M	CF. 1/8W 330-JB
R858	0100053M	CF. 1/8W 330-JB
R860	0150108	VR. RV6 100-B
R861	0700018M	CF. 1/16W 22-J
R863	0700021M	CF. 1/16W 33-J
R864	0150108	VR. RV6 100-B
R865	0700018M	CF. 1/16W 22-J
R866	0150302	VR. RV6 2K-B (V)
R867	0700038M	CF. 1/16W 680-JB
R868	0150302	VR. RV6 2K-B (V)
R869	0700038M	CF. 1/16W 680-JB
R870	0150302	VR. RV6 2K-B (V)
R871	0700038M	CF. 1/16W 680-JB
R874	0700054M	CF. 1/16W 10K-JB
R875	0100049M	CF. 1/8W 220-JB
R876	0100049M	CF. 1/8W 220-JB
R877	0100049M	CF. 1/8W 220-JB
R878	0100055M	CF. 1/8W 390-JB
R879	0100055M	CF. 1/8W 390-JB
R880	0100055M	CF. 1/8W 390-JB
R886	0700038M	CF. 1/16W 680-JB
R889	0114131M	CF. 1/4W 100-JB
R890	0114131M	CF. 1/4W 100-JB
R891	0114131M	CF. 1/4W 100-JB
R892	0700022M	CF. 1/16W 39-J
⚠ R900	0139026	CC. RC1/2W 8.2M-KF HIGH VO
⚠ R901	2341281	THERMISTOR 3R0Q
R902	0144151	WW. 33-J
R903	0147811	WW. 15W 1.5-KM
R906	0110271S	MF. 2W 12K-JS
R907	0110271S	MF. 2W 12K-JS
R908	0110281S	MF. 33K-JS
R911	0100037M	CF. 1/8W 68-JB
R912	0700044M	CF. 1/16W 1.8K-JB
R914	0100009M	CF. 1/8W 4.7-JB
R915	0179554M	MG. RK1/4P 330K-J
R916	0179554M	MG. RK1/4P 330K-J
⚠ R917	0113798M	CF. SRD1/2P-B 91K-J
R918	0700067M	CF. 1/16W 100K-JB
⚠ R919	0700034M	CF. 1/16W 330-JB
⚠ R920	0179551M	MG. 1/4W 18-KJ
R921	0700054M	CF. 1/16W 10K-JB
R922	0110129S	MF. 220-JS
R923	0119591M	MF. 1/8W 220-FB
⚠ R924	0119619M	MF. 1/8W 3.3K-FB
R925	0119641M	MF. 1/8W 27K-FB
R926	0119641M	MF. 1/8W 27K-FB
R927	0119635M	MF. 1/8W 15K-FB
R928	0700044M	CF. 1/16W 1.8K-JB
R928	0150136	VR. RV06 5K-B
R929	0700056M	CF. 1/16W 15K-JB
R932	0114051M	CF. SRD1/4P 27-J

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R940	0700059M	CF. 1/16W 27K-JB	RA31	0700067M	CF. 1/16W 100K-JB
R942	0100051M	CF. 1/8W 270-JB	RA32	0700041M	CF. 1/16W 1.0K-JB
⚠ R943	0700045M	CF. 1/16W 2.2K-JB	RA33	0700067M	CF. 1/16W 100K-JB
R944	0114151G	CF. SRD 1/4PF 680-J	RA34	0700057M	CF. 1/16W 18K-JB
⚠ R945	0100065M	CF. 1/8W 1K-JB	RA35	0700055M	CF. 1/16W 12K-JB
R946	0700041M	CF. 1/16W 1.0K-JB	RA36	0700041M	CF. 1/16W 1.0K-JB
R946	0700049M	CF. 1/16W 4.7K-JB	RA37	0700041M	CF. 1/16W 1.0K-JB
R947	0700041M	CF. 1/16W 1.0K-JB	RA38	0700041M	CF. 1/16W 1.0K-JB
R948	0119688	MF. 0.22-J	RA39	0700032M	CF. 1/16W 220-JB
R951	0194068F	WW. 2W 1.0-KF	RA40	0700057M	CF. 1/16W 18K-JB
R952	0700041M	CF. 1/16W 1.0K-JB	RA41	0700055M	CF. 1/16W 12K-JB
R954	0110281S	MF. 33K-JS	RA42	0700041M	CF. 1/16W 1.0K-JB
R955	0110281S	MF. 33K-JS	RA43	0700041M	CF. 1/16W 1.0K-JB
R956	0700038M	CF. 1/16W 680-JB	RA44	0700041M	CF. 1/16W 1.0K-JB
R956	0100061M	CF. 1/8W 680-JB	RA45	0700032M	CF. 1/16W 220-JB
R961	0147620	WW. 2.7-KF (CZ58)	RA46	0700041M	CF. 1/16W 1.0K-JB
R963	0110177S	MF. 22K-JS (CZ58)	RA47	0700067M	CF. 1/16W 100K-JB
R964	0140938S	WW. 7W 15K CEMENTED (CZ58)	RA48	0700041M	CF. 1/16W 1.0K-JB
R965	0100031M	CF. 1/8W 39-JB (CZ58)	RA49	0700067M	CF. 1/16W 100K-JB
R967	0100033M	CF. 1/8W 47-JB (CZ58)	RA50	0700041M	CF. 1/16W 1.0K-JB
R968	0148012	WW. 2W 0.1-KS CEMENTED (CZ58)	RA51	0100113M	CF. 1/8W 100K-JB
R969	0119615M	MF. 1/8W 2.2K-FB (CZ58)	RA52	0700041M	CF. 1/16W 1.0K-JB
R970	0119637M	MF. 1/8W 18K-FB (CZ58)	RA53	0700067M	CF. 1/16W 100K-JB
R971	0113795M	CF. SRD1/2P-B 68K-J (CZ58)	RA54	0700041M	CF. 1/16W 1.0K-JB
R972	0700061M	CF. 1/16W 33K-JB (CZ58)	RA55	0100113M	CF. 1/8W 100K-JB
R973	0700031M	CF. 1/16W 180-JB (CZ58)	RA56	0700041M	CF. 1/16W 1.0K-JB
R974	0148014	WW. 2W 0.15CEMENTED (CZ58)	RA57	0100113M	CF. 1/8W 100K-JB
R975	0700041M	CF. 1/16W 1.0K-JB (CZ58)	RA58	0700041M	CF. 1/16W 1.0K-JB
R976	0100065M	CF. 1/8W 1K-JB (CZ58)	RA59	0700067M	CF. 1/16W 100K-JB
R977	0119695M	MF. 1W 0.47-F (CZ58)	RA60	0700041M	CF. 1/16W 1.0K-JB
R978	0700041M	CF. 1/16W 1.0K-JB(CZ58)	RA61	0700067M	CF. 1/16W 100K-JB
R979	0100057M	CF. 1/8W 470-JB (CZ58)	RA62	0700041M	CF. 1/16W 1.0K-JB (CZ56/57/58)
R981	0700045M	CF. 1/16W 2.2K-JB (CZ58)	RA63	0700041M	CF. 1/16W 1.0K-JB (CZ56/57/58)
R983	0700045M	CF. 1/16W 2.2K-JB (CZ58)	RA64	0100123M	CF. 1/8W 270K-JB
R986	0110221S	MF. 100-JS (CZ58)	RA65	0100123M	CF. 1/8W 270K-JB
R987	0110221S	MF. 100-JS (CZ58)	RA66	0100123M	CF. 1/8W 270K-JB
R988	0100067M	CF. 1/8W 1.2K-JB (CZ58)	RA67	0100123M	CF. 1/8W 270K-JB
R9N1	0113744M	CF. SRD1/2P-B 560-J (CZ58)	RA68	0700041M	CF. 1/16W 1.0K-JB
R9N2	0110245S	MF. 1.0K-JS (CZ56/57/CY58)	RA69	0700041M	CF. 1/16W 1.0K-JB
R9N2	0700054M	CF. 1/16W 10K-JB (CZ58)	RA70	0119601M	MF. 1/8W 560-FB
R9N3	0700054M	CF. 1/16W 10K-JB	RA71	0100041M	CF. 1/8W 100-JB (CZ58/CZ57)
R9N4	0700058M	CF. 1/16W 22K-JB	RA72	0700041M	CF. 1/16W 1.0K-JB (CZ58/CZ57)
R9N6	0700045M	CF. 1/16W 2.2K-JB	RA73	0700041M	CF. 1/16W 1.0K-JB (CZ58/CZ57)
RA01	0700051M	CF. 1/16W 5.6K-JB	RA74	0700064M	CF. 1/16W 56K-JB (CZ58/CZ57)
RA02	0700051M	CF. 1/16W 5.6K-JB	RA75	0700045M	CF. 1/16W 2.2K-JB (CZ58/CZ57)
RA03	0700051M	CF. 1/16W 5.6K-JB	RA76	0100123M	CF. 1/8W 270K-JB (CZ58/CZ57)
RA04	0700051M	CF. 1/16W 5.6K-JB	RA76	0100123M	CF. 1/8W 270K-JB (CZ58/CZ57)
RA05	0700051M	CF. 1/16W 5.6K-JB	RA77	0700047M	CF. 1/16W 3.3K-JB (CZ58/CZ57)
RA06	0700051M	CF. 1/16W 5.6K-JB	RA78	0700064M	CF. 1/16W 56K-JB (CZ58/CZ57)
RA07	0700051M	CF. 1/16W 5.6K-JB	RA79	0100123M	CF. 1/8W 270K-JB (CZ58/CZ57)
RA08	0700051M	CF. 1/16W 5.6K-JB	RA79	0100123M	CF. 1/8W 270K-JB (CZ58/CZ57)
RA09	0700041M	CF. 1/16W 1.0K-JB	RA80	0700041M	CF. 1/16W 1.0K-JB (CZ58/CZ57)
RA10	0700041M	CF. 1/16W 1.0K-JB	RA80	0700027M	CF. 1/16W 100-JB
RA11	0700027M	CF. 1/16W 100-JB	RA81	0700041M	CF. 1/16W 1.0K-JB (CZ58/CZ57)
RA12	0700027M	CF. 1/16W 100-JB	RA81	0700027M	CF. 1/16W 100-JB
RA13	0700041M	CF. 1/16W 1.0K-JB	RA82	0100041M	CF. 1/8W 100-JB (CZ58/CZ57)
RA14	0700065M	CF. 1/16W 68K-JB	RA83	0700054M	CF. 1/16W 10K-JB
RA15	0187076M	CF. 1/16W 3.0K-JB	RA84	0700048M	CF. 1/16W 3.9K-JB
RA16	0187082M	CF. 1/16W 5.1K-JB	RA85	0700041M	CF. 1/16W 1.0K-JB
RA17	0119636M	MF. 1/8W 16K-FB	RA86	0700041M	CF. 1/16W 1.0K-JB
RA18	0700057M	CF. 1/16W 18K-JB	RA89	0700054M	CF. 1/16W 10K-JB
RA19	0700055M	CF. 1/16W 12K-JB	RA90	0700054M	CF. 1/16W 10K-JB
RA20	0700041M	CF. 1/16W 1.0K-JB	RAY1	0100121M	CF. 1/8W 220K-JB
RA21	0700041M	CF. 1/16W 1.0K-JB	RAY2	0100133M	CF. 1/8W 680K-JB
RA22	0700041M	CF. 1/16W 1.0K-JB	RC01	0700027M	CF. 1/16W 100-JB
RA23	0700032M	CF. 1/16W 220-JB	RC02	0700027M	CF. 1/16W 100-JB
RA24	0700057M	CF. 1/16W 18K-JB	RC03	0700027M	CF. 1/16W 100-JB
RA25	0700055M	CF. 1/16W 12K-JB	RC04	0700027M	CF. 1/16W 100-JB
RA26	0700041M	CF. 1/16W 1.0K-JB	RC05	0700027M	CF. 1/16W 100-JB
RA27	0700041M	CF. 1/16W 1.0K-JB	RC06	0700041M	CF. 1/16W 1.0K-JB
RA28	0700041M	CF. 1/16W 1.0K-JB	RC07	0700032M	CF. 1/16W 220-JB
RA29	0700032M	CF. 1/16W 220-JB	RC09	0700056M	CF. 1/16W 15K-JB
RA30	0700041M	CF. 1/16W 1.0K-JB	RC10	0700055M	CF. 1/16W 12K-JB

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SYMBOL NO.	PART NO.	PART DESCRIPTION
RC11	0700027M	CF. 1/16W 100-JB
RC12	0700027M	CF. 1/16W 100-JB
RC13	0700053M	CF. 1/16W 8.2K-JB
RC14	0700057M	CF. 1/16W 18K-JB
RC15	0700041M	CF. 1/16W 1.0K-JB
RC16	0100038M	CF. 1/8W 75-JB
RC17	0700027M	CF. 1/16W 100-JB (CZ56/57/58)
RC18	0700027M	CF. 1/16W 100-JB
RC19	0700039M	CF. 1/16W 820-JB
RC71	0100038M	CF. 1/8W 75-JB (CZ58/CZ57)
RDF1	0113768M	CF. SRD1/2P-B (CZ56/57/58)
RDF2	0114219M	CF. 1/4W 56K-JB (CZ56/57/58)
RF01	0700027M	CF. 1/16W 100-JB
RF02	0700048M	CF. 1/16W 3.9K-JB
RF03	0700038M	CF. 1/16W 680-JB
RF04	0700021M	CF. 1/16W 33-J
RF05	0700027M	CF. 1/16W 100-JB
RF06	0700037M	CF. 1/16W 560-JB
RF07	0700048M	CF. 1/16W 3.9K-JB
RF08	0700018M	CF. 1/16W 22-J
RF09	0700033M	CF. 1/16W 270-JB
RF12	0700043M	CF. 1/16W 1.5K-JB
RF13	0700049M	CF. 1/16W 4.7K-JB
RF14	0700044M	CF. 1/16W 1.8K-JB
RF15	0150116	VR. RV6 50K-B
RF16	0700064M	CF. 1/16W 56K-JB
RF21	0100121M	CF. 1/8W 220K-JB
RF22	0100127M	CF. 1/8W 390K-JB
RF23	0700041M	CF. 1/16W 1.0K-JB
RF24	0700045M	CF. 1/16W 2.2K-JB
RF25	0700023M	CF. 1/16W 47-J
RF26	0700034M	CF. 1/16W 330-JB
RF28	0179536M	MG. 1M J TAPE
RF30	0700044M	CF. 1/16W 1.8K-JB
RF31	0100038M	CF. 1/8W 75-JB (CY58)
RF31	0700045M	CF. 1/16W 2.2K-JB
RF32	0100038M	CF. 1/8W 75-JB (CY58)
RF32	0700047M	CF. 1/16W 3.3K-JB
RF33	0700059M	CF. 1/16W 27K-JB (CY58)
RF33	0700045M	CF. 1/16W 2.2K-JB
RF34	0700059M	CF. 1/16W 27K-JB (CY58)
RF35	0700027M	CF. 1/16W 100-JB
RF36	0700036M	CF. 1/16W 470-JB
RF37	0700052M	CF. 1/16W 6.8K-JB
RF39	0100119M	CF. 1/8W 180K-JB
RF41	0100123M	CF. 1/8W 270K-JB (CY58)
RF42	0100123M	CF. 1/8W 270K-JB (CY58)
RF45	0700027M	CF. 1/16W 100-JB
RF46	0700041M	CF. 1/16W 1.0K-JB
RF51	0100038M	CF. 1/8W 75-JB (CY58)
RG02	0700054M	CF. 1/16W 10K-JB (CZ56/57/CY58)
RG03	0700054M	CF. 1/16W 10K-JB (CZ56/57/CY58)
RG04	0100065M	CF. 1/8W 1K-JB (CZ56/57/CY58)
RG05	0147060	WW. 2W 33-K
RH01	0100133M	CF. 1/8W 680K-JB (CZ56)
RH02	0100133M	CF. 1/8W 680K-JB (CZ56)
RM01	0700041M	CF. 1/16W 1.0K-JB (CZ57/58/CY58)
RM02	0700058M	CF. 1/16W 22K-JB (CZ57/58/CY58)
RM03	0700045M	CF. 1/16W 2.2K-JB (CZ57/58/CY58)
RM04	0100065M	CF. 1/8W 1K-JB (CZ57/58/CY58)
RM05	0100065M	CF. 1/8W 1K-JB (CZ57/58/CY58)
RM06	0700041M	CF. 1/16W 1.0K-JB (CZ57/58/CY58)
RM07	0700043M	CF. 1/16W 1.5K-JB (CZ57/58/CY58)
RM08	0700046M	CF. 1/16W 2.7K-JB (CZ57/58/CY58)
RM09	0700049M	CF. 1/16W 4.7K-JB (CZ57/58/CY58)
RM10	0100129M	CF. 1/8W 470K-JB (CZ57/58/CY58)
RM11	0700041M	CF. 1/16W 1.0K-JB (CZ57/58/CY58)
RM12	0100125M	CF. 1/8W 330K-JB (CZ57/58/CY58)
RM14	0100125M	CF. 1/8W 330K-JB (CZ57/58/CY58)
RM15	0700054M	CF. 1/16W 10K-JB (CZ57/58/CY58)
RP03	0100065M	CF. 1/8W 1K-JB
RP04	0100065M	CF. 1/8W 1K-JB
RP05	0100041M	CF. 1/8W 100-JB
RP06	0100041M	CF. 1/8W 100-JB
RP07	0100041M	CF. 1/8W 100-JB
RP08	0100041M	CF. 1/8W 100-JB
RP09	0150282	VR. RV06 500-B
RP10	0150282	VR. RV06 500-B
RP11	0150282	VR. RV06 500-B
RP12	0700035M	CF. 1/16W 390-JB (CZ56/57)
RP12	0700039M	CF. 1/16W 820-JB (CZ58/CY58)
RP13	0700035M	CF. 1/16W 390-JB (CZ56/57)
RP13	0700039M	CF. 1/16W 820-JB (CZ58/CY58)
RP14	0700035M	CF. 1/16W 390-JB (CZ56/57)
RP14	0700039M	CF. 1/16W 820-JB (CZ58/CY58)
RP18	0700058M	CF. 1/16W 22K-JB
RP23	0700058M	CF. 1/16W 22K-JB
RP31	0700032M	CF. 1/16W 220-JB
RP32	0700054M	CF. 1/16W 10K-JB
RP33	0700066M	CF. 1/16W 82K-JB
RP34	0150216	VR. C RV08 10KB
RS01	0100065M	CF. 1/8W 1K-JB
RS01	0700041M	CF. 1/16W 1.0K-JB(CZ57P)
RS02	0100065M	CF. 1/8W 1K-JB
RS02	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RS03	0100065M	CF. 1/8W 1K-JB
RS03	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RS04	0100065M	CF. 1/8W 1K-JB
RS04	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RS05	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RS06	0700062M	CF. 1/16W 39K-JB
RS06	0700062M	CF. 1/16W 39K-JB (CZ57P)
RS07	0187096M	CF. 1/16W 20K-JB (CZ58)
RS08	0700064M	CF. 1/16W 56K-JB
RS08	0700064M	CF. 1/16W 56K-JB (CZ57P)
RS09	0700051M	CF. 1/16W 5.6K-JB
RS09	0700051M	CF. 1/16W 5.6K-JB (CZ57P)
RS10	0700063M	CF. 1/16W 47K-JB
RS10	0700063M	CF. 1/16W 47K-JB (CZ57P)
RS11	0179536M	MG. 1M J TAPE
RS11	0179536M	MG. 1M J TAPE (CZ57P)
RS12	0700067M	CF. 1/16W 100K-JB
RS12	0700067M	CF. 1/16W 100K-JB (CZ57P)
RS13	0700067M	CF. 1/16W 100K-JB
RS13	0700067M	CF. 1/16W 100K-JB (CZ57P)
RS14	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RS15	0700054M	CF. 1/16W 10K-JB (CZ57P)
RS16	0700034M	CF. 1/16W 330-JB (CZ57P)
RS17	0700067M	CF. 1/16W 100K-JB (CZ57P)
RS18	0700054M	CF. 1/16W 10K-JB (CZ57P)
RS19	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RS20	0700041M	CF. 1/16W 1.0K-JB
RS21	0700049M	CF. 1/16W 4.7K-JB
RS22	0700041M	CF. 1/16W 1.0K-JB
RS23	0700049M	CF. 1/16W 4.7K-JB
RS24	0700063M	CF. 1/16W 47K-JB
RS24	0700063M	CF. 1/16W 47K-JB (CZ57P)
RS25	0700067M	CF. 1/16W 100K-JB
RS25	0700067M	CF. 1/16W 100K-JB (CZ57P)
RS26	0700036M	CF. 1/16W 470-JB
RS26	0700036M	CF. 1/16W 470-JB (CZ57P)
RS27	0700063M	CF. 1/16W 47K-JB
RS27	0700063M	CF. 1/16W 47K-JB (CZ57P)
RS28	0700058M	CF. 1/16W 22K-JB
RS28	0700058M	CF. 1/16W 22K-JB (CZ57P)
RS29	0700041M	CF. 1/16W 1.0K-JB
RS29	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RS30	0700054M	CF. 1/16W 10K-JB (CZ57P)
RS31	0700052M	CF. 1/16W 6.8K-JB (CZ58)
RS32	0700051M	CF. 1/16W 5.6K-JB
RS32	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RS33	0700051M	CF. 1/16W 5.6K-JB
RS33	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RS34	0700045M	CF. 1/16W 2.2K-JB
RS34	0700047M	CF. 1/16W 3.3K-JB (CZ57P)
RS35	0700045M	CF. 1/16W 2.2K-JB

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SYMBOL NO.	PART NO.	PART DESCRIPTION
RS35	0700047M	CF. 1/16W 3.3K-JB (CZ57P)
RS36	0700045M	CF. 1/16W 2.2K-JB (CZ58)
RS37	0700034M	CF. 1/16W 330-JB (CZ57P)
RS38	0700067M	CF. 1/16W 100K-JB (CZ57P)
RS39	0700063M	CF. 1/16W 47K-JB (CZ58)
RS39	0700063M	CF. 1/16W 47K-JB (CZ57P)
RS40	0700067M	CF. 1/16W 100K-JB (CZ58)
RS40	0700067M	CF. 1/16W 100K-JB (CZ57P)
RS41	0700063M	CF. 1/16W 47K-JB (CZ58)
RS41	0700063M	CF. 1/16W 47K-JB (CZ57P)
RS42	0700054M	CF. 1/16W 10K-JB (CZ58)
RS43	0700054M	CF. 1/16W 10K-JB
RS43	0700054M	CF. 1/16W 10K-JB (CZ57P)
RS44	0700054M	CF. 1/16W 10K-JB
RS44	0700054M	CF. 1/16W 10K-JB (CZ57P)
⚠ RS45	0119505S	MF. 1/4W 2.2-J (CZ58)
⚠ RS46	0119505S	MF. 1/4W 2.2-J
⚠ RS46	0119505S	RES.-MTL FLM 1/4W 2.2-J (CZ57P)
⚠ RS47	0119505S	RES.-MTL FLM 1/4W 2.2-J (CZ57P)
⚠ RS47	0119505S	MF. 1/4W 2.2-J
RS48	0700065M	CF. 1/16W 68K-JB (CZ58)
RS49	0700065M	CF. 1/16W 68K-JB
RS49	0700065M	CF. 1/16W 68K-JB (CZ57P)
RS50	0700065M	CF. 1/16W 68K-JB
RS50	0700065M	CF. 1/16W 68K-JB (CZ57P)
RS51	0114161M	CF. 1/4W 1K-JB
RS51	0114161M	CF. 1/4W 1K-JB (CZ57P)
RS52	0114161M	CF. 1/4W 1K-JB
RS52	0114161M	CF. 1/4W 1K-JB (CZ57P)
RS53	0114161M	CF. 1/4W 1K-JB (CZ58)
RS54	0100065M	CF. 1/8W 1K-JB
RS54	0700054M	CF. 1/16W 10K-JB (CZ57P)
RS55	0100065M	CF. 1/8W 1K-JB
RS55	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RS56	0700058M	CF. 1/16W 22K-JB
RS56	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RS57	0700058M	CF. 1/16W 22K-JB
RS57	0700043M	CF. 1/16W 1.5K-JB (CZ57P)
RS61	0700067M	CF. 1/16W 100K-JB (CZ58)
RS62	0700067M	CF. 1/16W 100K-JB (CZ58)
RS63	0700067M	CF. 1/16W 100K-JB (CZ58)
RS64	0700067M	CF. 1/16W 100K-JB (CZ58)
RS65	0700067M	CF. 1/16W 100K-JB (CZ58)
RS66	0700067M	CF. 1/16W 100K-JB (CZ58)
RS67	0700058M	CF. 1/16W 22K-JB
RS67	0700058M	CF. 1/16W 22K-JB (CZ57P)
RS68	0700058M	CF. 1/16W 22K-JB
RS68	0700058M	CF. 1/16W 22K-JB (CZ57P)
RS69	0700058M	CF. 1/16W 22K-JB
RS69	0700058M	CF. 1/16W 22K-JB (CZ57P)
RS70	0100065M	CF. 1/8W 1K-JB
RS70	0100065M	CF. 1/8W 1K-JB (CZ57P)
RS71	0100041M	CF. 1/8W 100-JB
RS72	0100041M	CF. 1/8W 100-JB
RS77	0700051M	CF. 1/16W 5.6K-JB (CZ57P)
RS78	0700051M	CF. 1/16W 5.6K-JB (CZ57P)
RS79	0700063M	CF. 1/16W 47K-JB (CZ57P)
RS80	0700032M	CF. 1/16W 220-JB (CZ58)
RS80	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RS81	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RS84	0700063M	CF. 1/16W 47K-JB (CZ57P)
RS86	0700051M	CF. 1/16W 5.6K-JB (CZ57P)
RS90	0700054M	CF. 1/16W 10K-JB (CZ56/57/CY58)
RS90	0700051M	CF. 1/16W 5.6K-JB (CZ57P)
RS91	0700054M	CF. 1/16W 10K-JB (CZ56/57/CY58)
RS91	0700043M	CF. 1/16W 1.5K-JB (CZ57P)
RS97	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RS99	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSA1	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSA2	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSA3	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSA4	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSA5	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSA6	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSA7	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSA8	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSA9	0700054M	CF. 1/16W 10K-JB (CZ57P)
RSC1	0100047M	CF. 1/8W 180-JB (CZ57P)
RSC2	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSC3	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSC4	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSC5	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSC6	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSC7	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSC8	0700027M	CF. 1/16W 100-JB (CZ57P)
RSC9	0700027M	CF. 1/16W 100-JB (CZ57P)
RSE1	0700054M	CF. 1/16W 10K-JB (CZ57P)
RSE2	0700054M	CF. 1/16W 10K-JB (CZ57P)
RSE4	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSE5	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSE6	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSE7	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSE8	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSE9	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSF2	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSF3	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSF6	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSF7	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSF8	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSF9	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSG1	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSG2	0700054M	CF. 1/16W 10K-JB (CZ57P)
RSG3	0100047M	CF. 1/8W 180-JB (CZ57P)
RSG6	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RSG7	0700054M	CF. 1/16W 10K-JB (CZ57P)
RSH2	0700058M	CF. 1/16W 22K-JB (CZ57P)
RSH3	0700067M	CF. 1/16W 100K-JB (CZ57P)
RSH4	0700058M	CF. 1/16W 22K-JB (CZ57P)
RSH5	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RSH6	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RSH7	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RSH8	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RSH9	0700054M	CF. 1/16W 10K-JB (CZ57P)
RSJ1	0700054M	CF. 1/16W 10K-JB (CZ57P)
RSJ2	0700056M	CF. 1/16W 15K-JB (CZ57P)
RSJ3	0700051M	CF. 1/16W 5.6K-JB (CZ57P)
RSN1	0100041M	CF. 1/8W 100-JB
RSN2	0100041M	CF. 1/8W 100-JB
RSN3	0100041M	CF. 1/8W 100-JB
RSN4	0100041M	CF. 1/8W 100-JB
RSN5	0100041M	CF. 1/8W 100-JB
RSN6	0100041M	CF. 1/8W 100-JB
RSN7	0100041M	CF. 1/8W 100-JB(CZ58)
RSN8	0100041M	CF. 1/8W 100-JB (CZ58)
RSN9	0100041M	CF. 1/8W 100-JB (CZ58)
RSP1	0100041M	CF. 1/8W 100-JB (CZ58)
RSP2	0700061M	CF. 1/16W 33K-JB
RSP2	0700061M	CF. 1/16W 33K-JB (CZ57P)
RSP3	0700054M	CF. 1/16W 10K-JB
RSP3	0700054M	CF. 1/16W 10K-JB (CZ57P)
RSP4	0700045M	CF. 1/16W 2.2K-JB
RSP4	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RSP5	0113744M	CF. SRD1/2P-B 560-J (CZ58)
RSP6	0100089M	CF. 1/8W 10K-JB (CZ58)
RSP6	0110245S	MF. 1.0K-JS (CZ56/57/CY58)
RSP6	0110245S	MF. 1.0K-JS (CZ57P)
RT01	0110281S	MF. 33K-JS (CZ58)
RT01	0700045M	CF. 1/16W 2.2K-JB (CZ56/57/CY58)
RT01	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RT02	0700051M	CF. 1/16W 5.6K-JB (CZ58)
RT02	0700045M	CF. 1/16W 2.2K-JB (CZ56/57/CY58)
RT02	0700045M	CF. 1/16W 2.2K-JB (CZ57P)
RT03	0100089M	CF. 1/8W 10K-JB (CZ58)
RT03	0700064M	CF. 1/16W 56K-JB (CZ56/57/CY58)
RT03	0700064M	CF. 1/16W 56K-JB (CZ57P)
RT04	0700064M	CF. 1/16W 56K-JB (CZ56/57/CY58)

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SYMBOL NO.	PART NO.	PART DESCRIPTION
RT04	0700064M	CF. 1/16W 56K-JB (CZ57P)
RT05	0700058M	CF. 1/16W 22K-JB (CZ56/57/CY58)
RT05	0700058M	CF. 1/16W 22K-JB (CZ57P)
RT06	0700058M	CF. 1/16W 22K-JB (CZ56/57/CY58)
RT06	0700058M	CF. 1/16W 22K-JB (CZ57P)
RT07	0700032M	CF. 1/16W 220-JB (CZ56/57/CY58)
RT07	0700032M	CF. 1/16W 220-JB (CZ57P)
RT08	0700032M	CF. 1/16W 220-JB (CZ56/57/CY58)
RT08	0700032M	CF. 1/16W 220-JB (CZ57P)
RT09	0700041M	CF. 1/16W 1.0K-JB (CZ56/57/CY58)
RT09	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RT10	0700052M	CF. 1/16W 6.8K-JB (CZ56/57/CY58)
RT10	0700052M	CF. 1/16W 6.8K-JB (CZ57P)
RT11	0700041M	CF. 1/16W 1.0K-JB (CZ56/57/CY58)
RT11	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RT12	0700046M	CF. 1/16W 2.7K-JB (CZ56/57/CY58)
RT12	0700046M	CF. 1/16W 2.7K-JB (CZ57P)
RT13	0700046M	CF. 1/16W 2.7K-JB (CZ56/57/CY58)
RT13	0700046M	CF. 1/16W 2.7K-JB (CZ57P)
RT14	0700054M	CF. 1/16W 10K-JB (CZ56/57/CY58)
RT14	0700054M	CF. 1/16W 10K-JB (CZ57P)
RT15	0100065M	CF. 1/8W 1K-JB (CZ56/57/CY58)
RT15	0100065M	CF. 1/8W 1K-JB (CZ57P)
RT16	0700048M	CF. 1/16W 3.9K-JB (CZ56/57/CY58)
RT16	0700048M	CF. 1/16W 3.9K-JB (CZ57P)
RT17	0700046M	CF. 1/16W 2.7K-JB (CZ56/57/CY58)
RT17	0700046M	CF. 1/16W 2.7K-JB (CZ57P)
RT18	0700048M	CF. 1/16W 3.9K-JB (CZ56/57/CY58)
RT18	0700048M	CF. 1/16W 3.9K-JB (CZ57P)
RT19	0700029M	CF. 1/16W 150-JB (CZ56/57/CY58)
RT19	0700029M	CF. 1/16W 150-JB (CZ57P)
RT20	0700054M	CF. 1/16W 10K-JB (CZ56/57/CY58)
RT20	0700054M	CF. 1/16W 10K-JB (CZ57P)
RT21	0700067M	CF. 1/16W 100K-JB (CZ56/57/CY58)
RT21	0700067M	CF. 1/16W 100K-JB (CZ57P)
RT22	0700041M	CF. 1/16W 1.0K-JB (CZ56/57/CY58)
RT22	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RT23	0700052M	CF. 1/16W 6.8K-JB (CZ56/57/CY58)
RT23	0700052M	CF. 1/16W 6.8K-JB (CZ57P)
RT24	0700041M	CF. 1/16W 1.0K-JB (CZ56/57/CY58)
RT24	0700041M	CF. 1/16W 1.0K-JB (CZ57P)
RT25	0700046M	CF. 1/16W 2.7K-JB (CZ56/57/CY58)
RT25	0700046M	CF. 1/16W 2.7K-JB (CZ57P)
RT26	0114164M	CF. SRD 1/4 P 1.3K-J (CZ56/57/CY58)
RT26	0114164M	CF. SRD 1/4 P 1.3K-J (CZ57P)
RV01	0700067M	CF. 1/16W 100K-JB
RV02	0700059M	CF. 1/16W 27K-JB
RV04	0700035M	CF. 1/16W 390-JB
RV06	0700034M	CF. 1/16W 330-JB
RV07	0700057M	CF. 1/16W 18K-JB
RV08	0700067M	CF. 1/16W 100K-JB
RV09	0700033M	CF. 1/16W 270-JB
RV10	0700033M	CF. 1/16W 270-JB
RV11	0700042M	CF. 1/16W 1.2K-JB
RV12	0700045M	CF. 1/16W 2.2K-JB
RV13	0700058M	CF. 1/16W 22K-JB
RV16	0113742M	CF. 1/2W 470-JB
RV17	0700046M	CF. 1/16W 2.7K-JB
RV19	0700025M	CF. 1/16W 68-J
RV20	0700041M	CF. 1/16W 1.0K-JB
RV21	0113701M	CF. SRD1/2P-B 10-J
RV22	0100039M	CF. 1/8W 82-JB
RV23	0100039M	CF. 1/8W 82-JB
RV24	0114165M	CF. SRD 1/4 PF 1.5K-J
RV25	0100069M	CF. 1/8W 1.5K-JB
RV26	0114143M	CF. 1/4W 330-JB
RV27	0114221M	CF. 1/4 PB 68K-J
RV28	0114221M	CF. 1/4 PB 68K-J
RV29	0100053M	CF. 1/8W 330-JB
RV30	0113776M	CF. SRD1/2P-B 12K-J
RV31	0113716M	CF. SRD1/2P-B 43-J
RV32	0113716M	CF. SRD1/2P-B 43-J
RV33	0113686M	CF. 1/2W 2.7-J
RV34	0113686M	CF. 1/2W 2.7-J
RV35	0110229S	MF. 220-JS
RV36	0110135S	MF. 390-JS
RV37	0110132S	MF. 300-JS
RV38	0700049M	CF. 1/16W 4.7K-JB
RV39	0700051M	CF. 1/16W 5.6K-JB
RV40	0700061M	CF. 1/16W 33K-JB
RV41	0700036M	CF. 1/16W 470-JB
RV42	0700043M	CF. 1/16W 1.5K-JB
RV43	0700035M	CF. 1/16W 390-JB
RV44	0700043M	CF. 1/16W 1.5K-JB
RV45	0700067M	CF. 1/16W 100K-JB
RV46	0700067M	CF. 1/16W 100K-JB
RV47	0700046M	CF. 1/16W 2.7K-JB
RV48	0700041M	CF. 1/16W 1.0K-JB
RV49	0700041M	CF. 1/16W 1.0K-JB
RV50	0700035M	CF. 1/16W 390-JB
RV51	0700056M	CF. 1/16W 15K-JB
RVM1	0100091M	CF. 1/8W 12K-JB
RX01	0700059M	CF. 1/16W 27K-JB (CZ58/CY58)
RX02	0700067M	CF. 1/16W 100K-JB (CZ58/CY58)
RX03	0700027M	CF. 1/16W 100-JB (CZ58/CY58)
RX04	0700039M	CF. 1/16W 820-JB (CZ58/CY58)
RX05	0700036M	CF. 1/16W 470-JB (CZ58/CY58)
RX06	0700043M	CF. 1/16W 1.5K-JB (CZ58/CY58)
RX07	0700027M	CF. 1/16W 100-JB (CZ58/CY58)
RX08	0700039M	CF. 1/16W 820-JB (CZ58/CY58)
RX12	0700043M	CF. 1/16W 1.5K-JB (CZ58/CY58)
RX13	0700039M	CF. 1/16W 820-JB (CZ58/CY58)
RX14	0700063M	CF. 1/16W 47K-JB (CZ58/CY58)
RX15	0700036M	CF. 1/16W 470-JB (CZ58/CY58)
RX16	0700033M	CF. 1/16W 270-JB (CZ58/CY58)
RX17	0100125M	CF. 1/8W 330K-JB (CZ58/CY58)
RX18	0700056M	CF. 1/16W 15K-JB (CZ58/CY58)
RX19	0700041M	CF. 1/16W 1.0K-JB (CZ58/CY58)
RX1N	0700041M	CF. 1/16W 1.0K-JB (CZ58/CY58)
RX20	0187054M	CF. 1/16W 360-JB (CZ58/CY58)
RX21	0700051M	CF. 1/16W 5.6K-JB (CZ58/CY58)
RX22	0700041M	CF. 1/16W 1.0K-JB (CZ58/CY58)
RX23	0700035M	CF. 1/16W 390-JB (CZ58/CY58)
RX24	0700054M	CF. 1/16W 10K-JB (CZ58/CY58)
RX25	0700054M	CF. 1/16W 10K-JB (CZ58/CY58)
RX26	0100130M	CF. 1/8W 510K-JB (CZ58/CY58)
RX27	0700047M	CF. 1/16W 3.3K-JB (CZ58/CY58)
RX28	0700039M	CF. 1/16W 820-JB (CZ58/CY58)
RX29	0700027M	CF. 1/16W 100-JB (CZ58/CY58)
RX30	0700039M	CF. 1/16W 820-JB (CZ58/CY58)
RX31	0700041M	CF. 1/16W 1.0K-JB (CZ58/CY58)
RX32	0700039M	CF. 1/16W 820-JB (CZ58/CY58)
RX33	0700041M	CF. 1/16W 1.0K-JB(CZ58/CY58)
RX34	0700057M	CF. 1/16W 18K-JB (CZ58/CY58)
RX35	0700064M	CF. 1/16W 56K-JB (CZ58/CY58)
RX36	0700036M	CF. 1/16W 470-JB (CZ58/CY58)
RX37	0700041M	CF. 1/16W 1.0K-JB (CZ58/CY58)
RX38	0700033M	CF. 1/16W 270-JB (CZ58/CY58)
RX39	0700054M	CF. 1/16W 10K-JB (CZ58/CY58)
RX40	0700027M	CF. 1/16W 100-JB (CZ58/CY58)
RX41	0700039M	CF. 1/16W 820-JB (CZ58/CY58)
RX42	0700041M	CF. 1/16W 1.0K-JB (CZ58/CY58)
RX43	0700043M	CF. 1/16W 1.5K-JB (CZ58/CY58)
RX44	0700041M	CF. 1/16W 1.0K-JB (CZ58/CY58)
RX45	0700062M	CF. 1/16W 39K-JB (CZ58/CY58)
RX46	0700054M	CF. 1/16W 10K-JB (CZ58/CY58)
RX47	0700036M	CF. 1/16W 470-JB (CZ58/CY58)
RX48	0700034M	CF. 1/16W 330-JB (CZ58/CY58)
RX49	0700027M	CF. 1/16W 100-JB (CZ58/CY58)
RX50	0700039M	CF. 1/16W 820-JB (CZ58/CY58)
RX51	0700047M	CF. 1/16W 3.3K-JB (CZ58/CY58)
RX52	0700047M	CF. 1/16W 3.3K-JB (CZ58/CY58)
RX53	0187088M	CF. 1/16W 9.1K-JB (CZ58/CY58)
RX54	0700027M	CF. 1/16W 100-JB (CZ58/CY58)
RX55	0700027M	CF. 1/16W 100-JB (CZ58/CY58)
RX56	0700027M	CF. 1/16W 100-JB (CZ58/CY58)

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SYMBOL NO.	PART NO.	PART DESCRIPTION
RX57	0700054M	CF. 1/16W 10K-JB (CZ58/CY58)
RX58	0100115M	CF. 1/8W 120K-JB (CZ58/CY58)
RY01	0700027M	CF. 1/16W 100-JB
RY02	0700027M	CF. 1/16W 100-JB
RY03	0700027M	CF. 1/16W 100-JB
RY04	0700041M	CF. 1/16W 1.0K-JB
RY05	0700027M	CF. 1/16W 100-JB
RY06	0700027M	CF. 1/16W 100-JB
RY07	0700027M	CF. 1/16W 100-JB
RY08	0700041M	CF. 1/16W 1.0K-JB
RY09	0700041M	CF. 1/16W 1.0K-JB
RY10	0700041M	CF. 1/16W 1.0K-JB
RY11	0700041M	CF. 1/16W 1.0K-JB
RY12	0700027M	CF. 1/16W 100-JB
RY13	0700027M	CF. 1/16W 100-JB
RY14	0700027M	CF. 1/16W 100-JB
RY15	0700027M	CF. 1/16W 100-JB
RY31	0100038M	CF. 1/8W 75-JB
RY32	0100038M	CF. 1/8W 75-JB
RY33	0100099M	CF. 1/8W 27K-JB
RY34	0100099M	CF. 1/8W 27K-JB
RY35	0100038M	CF. 1/8W 75-JB
RY36	0700027M	CF. 1/16W 100-JB (CZ56/57/58)
RY37	0700027M	CF. 1/16W 100-JB (CZ56/57/58)
RY38	0700041M	CF. 1/16W 1.0K-JB (CZ56/57/58)
RY39	0700034M	CF. 1/16W 330-JB
RY40	0114141M	CF. 1/4W 270-JB
RY41	0100038M	CF. 1/8W 75-JB
RY42	0100113M	CF. 1/8W 100K-JB
RY44	0700041M	CF. 1/16W 1.0K-JB
RY45	0700039M	CF. 1/16W 820-JB
RY70	0187038M	CF. 1/16W 75-J (CZ58/CZ57)
RY70	0100038M	CF. 1/8W 75-JB (CZ58/CZ57)
RY71	0187038M	CF. 1/16W 75-J (CZ58/CZ57)
RY71	0100038M	CF. 1/8W 75-JB (CZ58/CZ57)
RY74	0100101M	CF. 1/8W 33K-JB (CZ58/CZ57)
		SWITCHES/RELAYS
S0501	2633321	5KEY TACT SWITCH (CZ56)
S0502	2632901	1P TACT SWITCH (CZ56)
S401	FD00041	SLIDE SWITCH
S851	2622571	SWITCH
⚠ S901	2641222	POWER RELAY
SM01	2632851	5KEY TACT SWITCH (CY58)
SM01	2632901	1P TACT SWITCH (CZ58/CZ57)
SM02	2632901	1P TACT SWITCH (CY58)
SM02	2632851	5KEY TACT SWITCH (CZ58/CZ57)
SM03	2632901	1P TACT SWITCH (CY58)
SM03	2633321	5KEY TACT SWITCH (CZ58/CZ57)
		SPEAKERS
⚠ SP451	2735335	OTHER MAGNETIC PARTS (35UX70B/32UX8B)
⚠ SP451	2735336	MGZ-SDX-SP ASS'Y (A3)(35UX80B)
⚠ SP451	2412921	SPEAKER 160DG (35TX79K)
⚠ SP452	2735335	OTHER MAGNETIC PARTS (35UX70B/32UX8B)
⚠ SP452	2735336	MGZ-SDX-SP ASS'Y (A3) (35UX80B)
⚠ SP452	2412921	SPEAKER 160DG (35TX79K)
⚠ SP453	2414607	SPEAKER 6X12 (35UX80B)
⚠ SP453	2414941	SPEAKER 50TW (35TX79K)
⚠ SP454	2414941	SPEAKER 50TW (35TX79K)
		TRANSFORMERS
⚠ T701	2274353	TRANS.-H. DRIVE
⚠ T702	BW00481	FBT-HFL1735G (A4LXU) (CZ58)
⚠ T702	2437095	HFL1735G (CZ56/57/CY58)
T901	2124361	DC NOISE FILTER
⚠ T902	BT00301	COIL
T903	2124362	DC NOISE FILTER
T961	BT00311	COIL SWT PT-EE35F11U-(CZ58)
⚠ T991	BT00221	POWER TRANSFORMER (CZ56/57/CY58)

SYMBOL NO.	PART NO.	PART DESCRIPTION
⚠ T991	2215911	TRANS.-POWER (CZ56/57/CY58)
TDF1	BW00371	A4 DF TRANS. (CZ56/57/58)
		COLOR PICTURE TUBE
⚠ V1	2471582	CPT A89LFL50X01 (V) (35TX79K)
⚠ V1	DE00861	CPT A89LED50X02 (V) (35UX70B)
⚠ V1	DE00881	CPT A89AGF11X10 (35UX80B)
⚠ V1	DE00961	CPT A80LJF30X (32V)
		CRYSTALS/FILTERS
X007	2168831	CRYSTAL CSA12.0MTZ
X301	2786685	X'TAL CSB500F25
X501	2791505	CRYSTAL HC-491U 3.58MHZ
XDF1	HP00161	DF UNIT(CZ57)
XDF1	HP00281	W-FOCUS UNIT(CZ58)
XS01	2786585	CRYSTAL RESONATOR 8.000MHZ
XS01	2786585	CRYSTAL RESONATOR 8.000MHZ (CZ57P)
XX01	2791505	CRYSTAL HC-491U 3.58MHZ (CZ58/CY58)
XX02	BJ00121	COIL (LC FILTER) TYV3 3.58MHZ (CZ58/CY58)
XX02	BJ00141	COIL (LC FILTER) 3.58MHZ (CZ58/CY58)
XX03	BJ00111	COIL (LC FILTER) TXV7 6MHZ (CZ58/CY58)
XX03	BJ00112	COIL (LC FILTER) 6MHZ (CZ58/CY58)
		MISCELLANEOUS PARTS
#01	NT00511	A4LXU POWER PWB HOLDER
#01	NT00521	SURROUND PWB HOLDER (A4LXU) (EXCEPT CZ56)
#010	H920182	VELCRO (32UX8B)
#010	61013B01	SWIVEL (35TX79K)
#012	61009942	"NUT 1/4" 20X3/8 (35TX79K)
#013	H410311	MAGNETIC LOU (35TX79K)
#020	H840011	GLIDE PIN (35TX79K)
#021	3701202	PWB HOLDER G7-A PA (CY58)
#060	QD01561	FRAME 35UX80B
#061	QD01562	FRAME 35UX70B
#062	PH02551	SP GRILLE 35UX80B
#063	4159424	SCREW 3X10 TAPPING WITH WASHER STEEL
#066	3875771	LATCH 4T02 NYLON (35UX70/80B)
#068	PH02511	DOOR (35UX70/80B)
#069	3760031	SMALL PIECE (S-2) FOR CABINET(35UX70/80B)
#070	3177521	GRIP ASSY L (35UX70/80B)
#071	3177522	GRIP ASSY R (35UX70/80B)
#072	3821592	GRIP COVER (35UX70/80B)
#073	3177393	GRIP L (35UX70/80B)
#074	3177403	GRIP R (35UX70/80B)
#075	MN00561	AR HORN SPACER (A) (35UX70/80B)
#076	MN00562	AR HORN SPACER (B) (35UX70/80B)
#077	PH02521	SP SHEET (35UX70/80B)
#078	PH02522	SP SHEET (R) (35UX70/80B)
#080	PC01191	BUTTON (35UX70/80B)
#084	PH02541	LENS (35UX70/80B)
#086	PH02531	INDOOR PLATE (35UX70/80B)
#090	3487425	HITACHI BADGE (35UX70/80B)
#103	H420631	FRAME SUPPORT BRACKET (35TX79K)
#105	NT00531	TERMINAL BOARD 31V (A4LXU) (CY58)
#106	NT00532	TERMINAL BOARD 35V (A4LXU) (CZ56/57/58)
#116	3850262	CHASSIS RAIL 27500-A (CONSOLE) (35TX79K)
#117	3850272	CHASSIS RAIL 27500-B (CONSOLE) (35TX79K)
#130	4492661	CHASSIS FIXING METAL (F) SECC (35TX79K)
#145	3768982	BC STOPPER N (35TX79K)
#150	QD00264	FRAME (32UX8B)
#160	3739671	BS CORD HOLDER NYLON6
#200	QD01571	BACK COVER (35UX70/80B)
#200	PH00811	DOOR (32UX8B)
#202	4519503	3X12 B TAPPING SCREW SWCH15A
#202	3727972	POWER CORD HANGER (35UX70/80B)
#203	4519503	3X12 B TAPPING SCREW SWCH15A
#210	4159427	3X10 SCREW WITH WASHER STEEL
#220	4519503	3X12 B TAPPING SCREW SWCH15A
#225	3875771	LATCH 4T02 NYLON (32UX8B)
#225	4520771	HEXAGON HEAD TAPPING SCREW 4*18 (35TX79K)

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SYMBOL NO.	PART NO.	PART DESCRIPTION
#250	4520232	4X16 D TAPPING SCREW SWCH16A
#250	3487425	HITACHI BADGE (32UX8B)
#250	3727972	POWER CORD HANGER (35TX79K)
#260	3874421	BRACKET (35TX79K) PS
#283	3273872	BUTTON (35TX79K)
#284	3487421	HITACHI BADGE 55 (S) (35TX79K)
#285	3204184	R/C LENS (35TX79K)
#286B	PH01061	DECO PANEL R (35TX79K)
#287B	PH01062	DECO PANEL L (35TX79K)
#288B	3828164	INDOOR PLATE (35TX79K)
#293	3798068H	BUTTON CUSHION (35TX79K)
#296	3106403	FRONT FRAME (35TX79K)
#297B	3821953	DOOR (35TX79K)
#298	3875771	LATCH 4T02 NYLON (35TX79K)
#300	4520883	3*12 SCREW WITH WASHER
#300	4778203	LABEL BASE (35UX70/80B) PVC
#300	H310884	R/C LENS (32UX8B)
#360	H310893	SP SHEET (32UX8B)
#400	4329271	WASHER (F) (CZ58)
#400	PH00911	INDOOR PLATE (32UX8B)
#400	84000002	METAL CATCH 1 (35TX79K)
#405	3871481	SUPPORT REAR BOARD PVC (35TX79K)
#410	4522901	6 NUT (F)(CZ58)
#420	84000003	METAL CATCH (35TX79K)
#440	63066861	FLIPPER DOOR SLIDE(35TX79K)
#460	63068861	PIVOT ROLLER (35TX79K)
#480	61020001	DUOMATIC HINGE (35TX79K)
#500	61030001	DUOMATIC MOUNTING PLATE (35TX79K)
#521	3164046	COVER (32UX8B)
#530	8440444	SP HIMERON C29-BV20 (32UX8B)
#601	3727972	POWER CORD HANGER (32UX8B)
#602	3163103	CPT PROTECTOR CUP (35TX79K)
#607	H520363	BACKBOARD (35TX79K)
#621	H512201	TERMINAL BLOCK SPACER (35TX79K)
#660	H310121	PLASTIC RIVET (35TX79K)
#680	H461171	PATENT AND TELESONICS LABEL (32UX8B)
#887	H390031	CUSHION-NEOPRENE (32UX8B)
#889	8441611	HIMERON SHEET 240x18 (32UX8B)
#900	PC00341	BUTTON (32UX8B)
#906	PH02722	TERMINAL LABEL 80B (CZ58)
#907	PH02721	TERMINAL LABEL A4LXU (CZ56/57/CY58)
#908	PH02731	TERMINAL LABEL 2RF (A4LXU) (CZ58)
#909	PH02732	TERMINAL LABEL 2RF70 (CZ56/57)
E203	2784243	DRY BATTERY SUM-3 (G)
E401	2998584	CONN. W/WIRE MINI 3J
E602	2908402	CRT EARTH WIRE (35V)
E602	2994511	CRT EARTH WIRE (32V)
E603	2771461	EDGE MAGNET
⚠E604	2775082	MAGNET VM (32V)
E851	EY00411	W-FOCUS CPT SOCKET (CZ58)
E851	2698675	SOCKET CPT SOCKET (15.24) (CZ56/57)
E851	2953344	CPT SOCKET (CY58)
⚠E901	2972841	AC POWER CORD (FILTER IN)
EAC	2976985	CONNECTOR CO-02C-C7R5-102LOCK
EANT	HC00022	ANT-SW UNIT (CZ58)
EDF	EF02671	CONNECTOR CO-03C-A5R0-511EDF (CZ56/57/58)
EDF2	2956487	CONNECTOR CO-01C-A0R0-551 (CZ56/57/58)
EF	2956484	CONN. W/WIRE MINI 1J (L80) W/AMP IN (CZ56/57)
EF0C	2692462	CONN. 01C-N0R0 L=390 FOCUS (CZ56/57/58)
EF1	2973734S	CONN. W/WIRE SEH 4J L330 (C-C) (CZ57/58)
EF2	2973764S	CONN. W/WIRE SEH 5J L330 (C-C) (CZ57/58)
EF901	2720641	FUSE HOLDER
EF902	2720641	FUSE HOLDER
EFJ	EF02751	7J CON.-5J/4J-W CONN.-390 (EH) (CZ56)
EFV	2973944S	CONN. W/WIRE SEH 11J L330 (C-C) (CZ56/57/58)
EG	2663328	2J MINI-CONNECTOR WITH WIRE
ENH2	EF02661	CONNECTOR CO-05C-A5R0-561ENH2
ENH3	EF02601	CONNECTOR CO-06C-B2R5-431ENH3
ENS1	2974128S	SEH 5J CONNECTOR 470
EP11	2974223S	CONN.W/WIRE 8J SEH L680 (C-B)
EP12	EF02651	CONNECTOR CO-07C-B2R5-391EPI2
ESA1	EF02891	CO-15C-B2R5-181 (CZ57P)
ESA2	EF02891	CO-15C-B2R5-181 (CZ57P)
EST1	2974215S	CONNECTOR (SEH08C-B1007A361) (CZ58)
ESU1	EF02641	CONNECTOR CO-12C-B2R5-681ESU1
ESU2	EF02631	CONNECTOR CO-11C-B2R5-681ESU2
ESU3	2974098S	CONN.W/WIRE 4J SEH L470 (C-B)
ESU4	2974128S	SEH 5J CONNECTOR 470 (CZ58)
ESU5	EF03161	2J BOARD-IN 2J EH CONNECTOR (CZ57P)
ETP15	2122652M	FERRITE CORE
EVM1	EF02602	CONNECTOR CO-06C-B2R5-561EVM1
EVM2	2956485	CONNECTOR CO-01C-A---471
EVM3	2976645	CONNECTOR CO-02C-N2R5-241 (35V)
EY1	2974191S	CONN. W/WIRE SEH 7J L560 (C-B)
EY2	EF02621	CONNECTOR CO-05C-B2R5-561EY2
J01	2983116	3P PIN JACK S.TERMINAL (CZ56)
J301	2672936	13P PIN JACK
J402	ER00122	SPEAKER JACK (2LINE)
JF30	2673601	US 13PIN JACK (CY58)
JSIN	2693853	TERMINAL (TERMINAL BOARD)
JSL	2958713	CONN. W/WIRE MINI 5JW/FASTEN (3570/80B/328B)
JSL	2958715	CON-M105SCF1007A152 (35TX79K)
JSR	2958387	CONN. W/WIRE MINI 4JW/FASTEN (3570/80B/328B)
JSR	EF00191	CON-04C-F2R5-152 (35TX79K)
JY02	ES00022	3P (SW) PIN JACK WITH S (CZ58/CZ57)
N001	3816161	HOLDER G9 EE (CZ56)
N101	3443352	SHIELD CASE AP53 A2 TC-30
N101	3785502	V LOCK 11.5 (35UX70/80B)
N101	3785511	V LOCK 16 (32UX8B)
N101	0544510	TERMINAL PIECE (35TX79K)
N101	3728272	PURSE LOCK 8 (35TX79K)
N102	3443361	SHIELD PLATE AP33 A TC-30
N102	3785502	V LOCK 11.5 (35UX70/80B)
N102	3785522	V LOCK 20 (32UX8B)
N102	EK00011	LEAD WIRE UL1007-24
N102	3785502	V LOCK 11.5 (35TX79K)
N103	3785502	V LOCK 11.5 (35UX70/80B)(32UX8B)
N103	EK00012	LEAD WIRE UL1007 AWG24 PINK (35TX79K)
N104	3785502	V LOCK 11.5 (35UX70/80B)
N104	3785511	V LOCK 16 (32UX8B)
N104	3785522	V LOCK 20 (35TX79K)
N105	3785502	V LOCK 11.5 (35UX70/80B)
N105	3705232	ANODE CLAMPER (32UX8B)
N106	3763751	SK BINDER (35UX70/80B)
N106	3785511	V LOCK 16 (32UX8B)
N107	3763751	SK BINDER (35UX70/80B)
N107	3785502	V LOCK 11.5 (32UX8B)
N108	3763751	SK BINDER (35UX70/80B)
N108	3785511	V LOCK 16 (32UX8B)
N108	3705232	ANODE CLAMPER (35TX79K)
N109	3763751	SK BINDER (35UX70/80B)
N109	3700342	WIRE CLAMP (32UX8B)
N110	3763751	SK BINDER (35UX70/80B)
N110	3785502	V LOCK 11.5 (32UX8B)
N111	3785502	V LOCK 11.5 (32UX8B)
N112	3705232	ANODE CLAMPER (35UX70/80B)
N120	4690171	CAUTION LABEL C (F) (35UX70/80B) (32UX8B)
N193	3446473	HEATSINK H30 P10
N193A	4520881	M3*8 SCREW WITH WASHER
N1M1	3875341	LEAD CLAMPER (CZ56/57/58)
N401	QN01004	SERVICEMAN WARNING LABEL A (35UX70B)
N401	QN01014	SERVICEMAN WARNING LABEL A (F) (35UX70B)
N401B	QN01005	SERVICEMAN WARNING (35TX79K)
N402	3442022	SOUND HEAT SINK 2CH
N402A	4520883	3*12 SCREW WITH WASHER
N601	4615641	WEDGE (32V)
N606	3333922	EARTH SPRING SUS. (35V)
N606	3330941	EARTH SPRING (32V)
N607	3763751	SK BINDER (35V)
N607A	3763751	SK BINDER(32V)
N608	3763752	SK BINDER 200 NYLON 66
N610	2772981	FERRITE SHEET ASS'Y
N611	2772211	MAG. PIECE (32V)
N612	2956801	EARTH RING
N613	4621186	CUSHION 2908 CR (35V)
N620	3446862	VERTICAL HEAT SINK M1LXU

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SYMBOL NO.	PART NO.	PART DESCRIPTION
N620A	4520881	M3*8 SCREW WITH WASHER
N620B	8821234	NUT-3
N711	4327812	F55 H.HEAT SINK
N711A	4514061	SCREW FLANGED 3*12
N711B	8821234	NUT-3
N711C	8813124	SPRING WASHER-3
N711D	4518771	SCREW 3X10 TAPPING WITH WSR STEEL
N714	3445563	HEAT SINK A3LXU
N714A	4520881	M3*8 SCREW WITH WASHER
N720	4276993	VERTICAL HEAT SINK
N720A	4520881	M3*8 SCREW WITH WASHER
N9N1	3446475	HEAT SINK H50 P10 (CZ58)
N9N3	4348491	G8 HEAT SINK (CZ56/57/CY58)
N9PWB	9413926	SILICON RUBBER
NB	4348491	G8 HEAT SINK
ND91	3446134	POWER HEAT SINK A4LXU
ND91A	4520881	M3*8 SCREW WITH WASHER (CZ56/57/CY58)
ND91A	4520881	M3*8 SCREW WITH WASHER
ND97A	4520881	M3*8 SCREW WITH WASHER (CZ58)
ND97A	4520881	M3*8 SCREW WITH WASHER (CZ58)
NE901	3772201	AC CORD HOLDER NYLON
NHL	4107512	A1LXU1 PWB METAL L TC-30 (CZ56/57/CY58)
NHL	4107513	A4LXU PWB METAL L (CZ58)
NHR	4107502	PWB METAL R (A1) TC-30
NI71	4276993	VERTICAL HEAT SINK
NI71A	4520881	M3*8 SCREW WITH WASHER
NMZ1	3816161	HOLDER G9 EE (CZ58/CZ57/CY58)
NQ91	3446134	POWER HEAT SINK A4LXU
NQ91A	4520881	M3*8 SCREW WITH WASHER
NQ96A	4520881	M3*8 SCREW WITH WASHER (CZ58)
NQS1	3446475	HEAT SINK H50 P10 (CZ58)
NQS3	4348491	G8 HEAT SINK (CZ56/57/CY58)
NQS3	4348491	G8 HEAT SINK (CZ57P)
NQV09	3446473	HEATSINK H30 P10
NQV09A	4520883	3*12 SCREW WITH WASHER
NQV10	3446473	HEATSINK H30 P10
NQV10A	4520883	3*12 SCREW WITH WASHER
NS01	MC00131	SURROUND HEAT SINK 3CH A6063S-T5
NS01	MC00131	SURROUND HEAT SINK 3CH A6063S-T5(CZ57P)
NS01A	4520883	3*12 SCREW WITH WASHER
NS01A	4520883	3*12 SCREW WITH WASHER (CZ57P)
NSN1	3446475	HEAT SINK H50 P10 (CZ58)
NSN1A	4520881	M3*8 SCREW WITH WASHER (CZ58)
NT72	8821114	"NUT,3"
NT72A	4243445	G51 INSULATION WASHER PL-11T
NT72B	8711412	SCREW-3X12 PAN HEAD
P11	2663821	2P SUB MINI PLUG PIN
P12	2663821	2P SUB MINI PLUG PIN
P31	2661751	2P PLUG PIN WITH BASE
P401	2661752	3P PLUG PIN WITH BASE
P401	2661752	3P PLUG PIN WITH BASE (CZ57P)
P65A	ED00562	CP-TAC-L05X-A1
P65B	ED00502	CP-TAC-L05P-A1
P66A	ED00561	CP-TAC-L04X-A1
P66B	ED00501	CP-TAC-L04P-A1
P901	2782611	CENTER PIN
P902	2782611	CENTER PIN
PAC	2723091	PLG-02P5R0VPWB ZIF
PAC2	2723091	PLG-02P5R0VPWB ZIF
PANT	2663821	2P SUB MINI PLUG PIN (CZ58)
PCXA	ED00572	CP-TAC-L15X-A1 (CZ58/CY58)
PCXB	ED00512	CP-TAC-L15P-A1 (CZ58/CY58)
PCXB	ED00512	CP-TAC-L15P-A1 (CZ58/CY58)
PDBA	ED00566	CP-TAC-L10X-A1
PDBB	ED00506	CP-TAC-L10P-A1
PDF	2661752	3P PLUG PIN WITH BASE (CZ58/CZ57)
PDF2	2661756	1P PLUG PIN WITH BASE (CZ56/57/58)
PF	2665271	3P PLUG PIN WITH BASE (CZ56/57)
PF1A	2902263	PLUG PIN SUB MINI 4P (CZ58/CZ57)
PF1B	2902243	PLUG PIN SUB MINI 4P (CZ58/CZ57)
PF1B	2902263	PLUG PIN SUB MINI 4P (CZ58/CZ57)
PF2A	2902264	PLUG PIN SUB MINI 5P (CZ56/57/58)
PF2B	2902265	PLUG PIN SUB MINI 6P (CZ58/CZ57)
PF2B	2902264	PLUG PIN SUB MINI 5P (CZ58/CZ57)
PFJ	2902246	PLUG PIN SUB MINI 7P (CZ56)
PFV	2902251	11P PLUG PIN (CZ56)
PFVA	2902271	PLUG PIN SUB MINI11P (CZ56/57/58)
PFVB	2902271	PLUG PIN SUB MINI11P (CZ58/CZ57)
PFVB	2902271	PLUG PIN SUB MINI11P (CZ58/CZ57)
PG	2661751	2P PLUG PIN WITH BASE
PIFA	ED00563	CP-TAC-L06X-A1
PIFB	ED00503	CP-TAC-L06P-A1
PM	2665272	4P PLUG PIN WITH BASE
PMTA	ED00562	CP-TAC-L05X-A1
PMTB	ED00502	CP-TAC-L05P-A1
PNH2	2663134	5P PLUG PIN WITH BASE
PNH2	2661754	5P PLUG PIN WITH BASE (32V)
PNH3	2902265	PLUG PIN SUB MINI 6P
PNS1	2902264	PLUG PIN SUB MINI 5P
PP11	2902267	PLUG PIN SUB MINI 8P
PP12	2902266	PLUG PIN SUB MINI 7P
PSA1	2902275	PLG-15P2R5VPWB (CZ57P)
PSA2	2902275	PLG-15P2R5VPWB (CZ57P)
PSC1	2661753	4P PLUG PIN WITH BASE (CZ58)
PSCA	ED00566	CP-TAC-L10X-A1
PSCB	ED00506	CP-TAC-L10P-A1
PSL	2661754	5P PLUG PIN WITH BASE
PSR	2661753	4P PLUG PIN WITH BASE
PSU1	2902272	PLUG PIN SUB MINI 12P
PSU1	2902272	PLUG PIN SUB MINI 12P (CZ57P)
PSU2	2902271	PLUG PIN SUB MINI11P
PSU2	2902271	PLUG PIN SUB MINI11P (CZ57P)
PSU3	2902263	PLUG PIN SUB MINI 4P
PSU3	2902263	PLUG PIN SUB MINI 4P (CZ57P)
PSU4	2902264	PLUG PIN SUB MINI 5P (CZ58)
PSU4	2902264	PLUG PIN SUB MINI 5P (CZ57P)
PVM1	2902265	PLUG PIN SUB MINI 6P
PVM2	2661756	1P PLUG PIN WITH BASE
⚠ PVMC	2902261	PLUG PIN SUB MINI 2P
PW	2661753	4P PLUG PIN WITH BASE
PY1	2902266	PLUG PIN SUB MINI 7P
PY2	2902264	PLUG PIN SUB MINI 5P
U002	HP00091	PinP UNIT KC-010S (CZ58)
U002	HP00092	PinP UNIT KC-011S (CZ56/57/CY58)
U101	2428541	TUNER ET-351A (CZ58)
U101	2428681	TUNER ET-352A (CZ56/57/CY58)
U301	CW00021	HYBRID IC (331KNT) (CZ56/CZ57) 3-Line
Z01	9414017	SILICONE COMPOUND (G-746) (CZ57P)

NOTES

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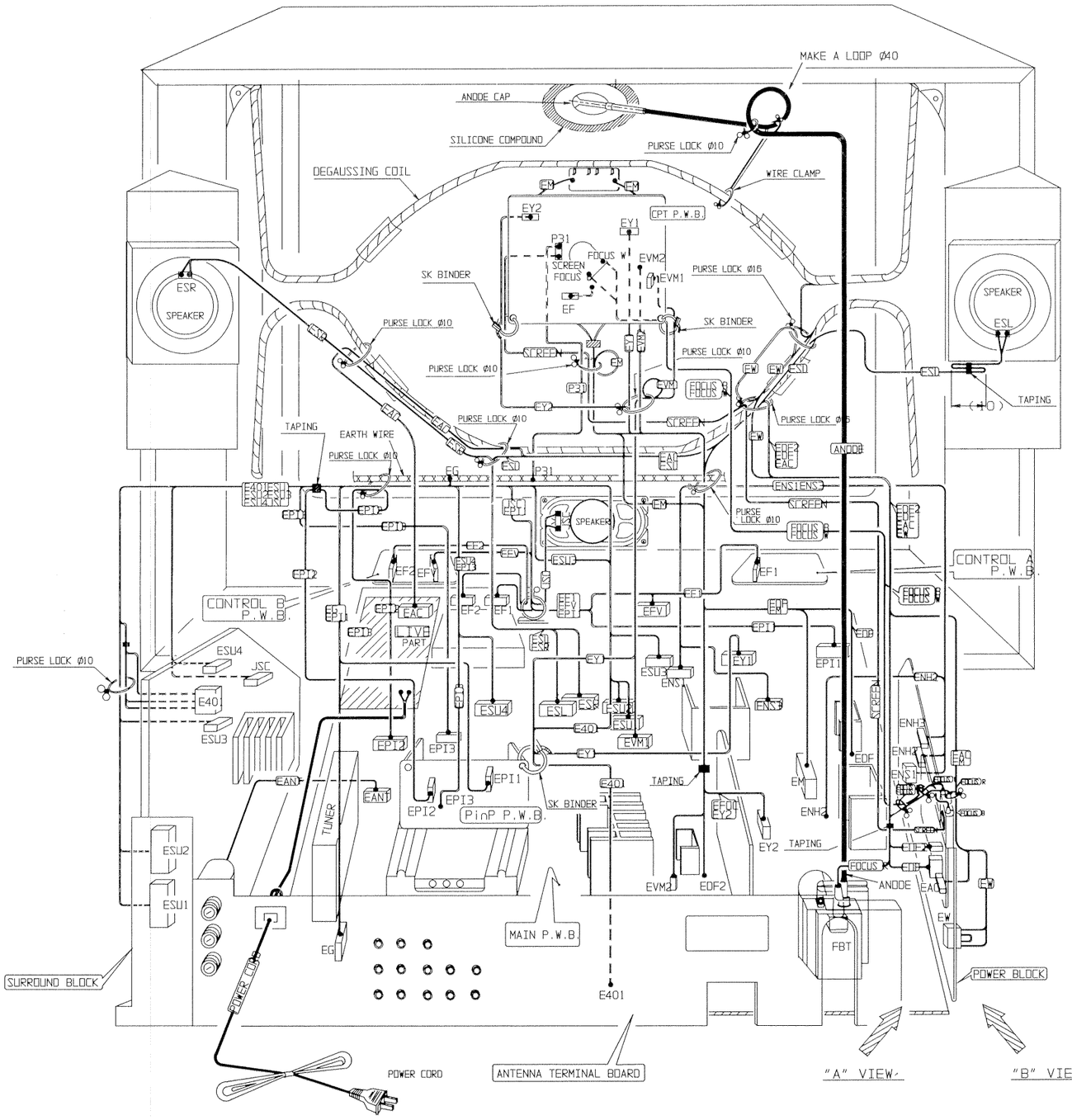
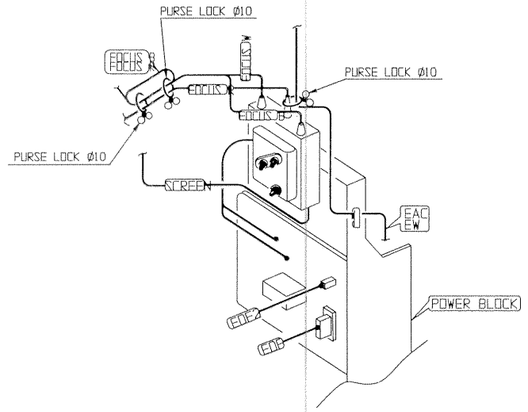
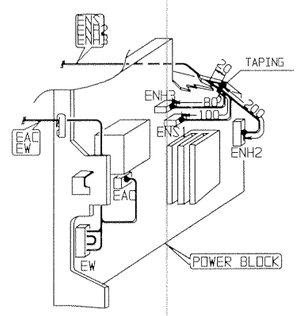
WIRING DRAWING OF 35UX80B/CZ58 FINAL ASSEMBLY



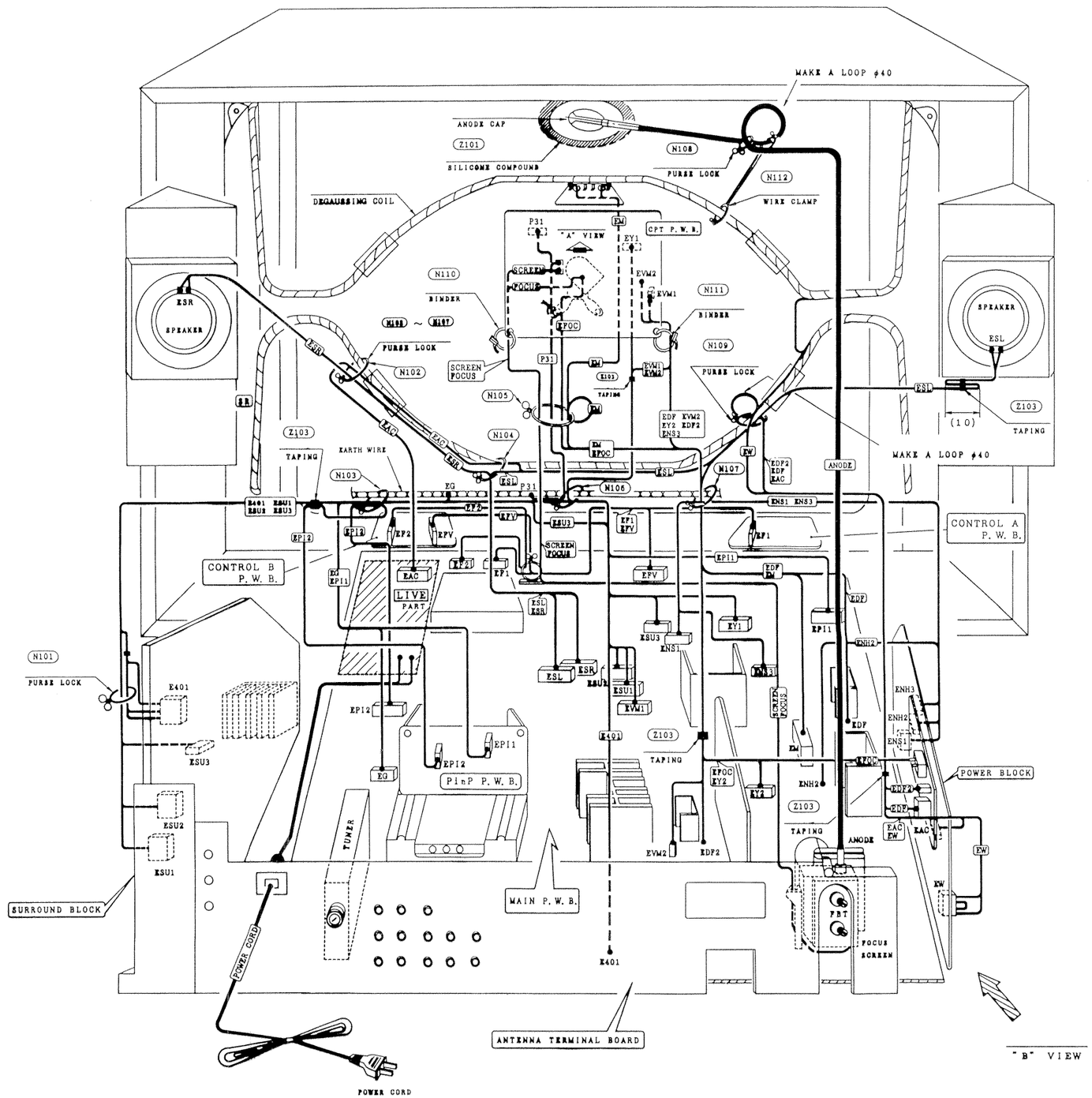


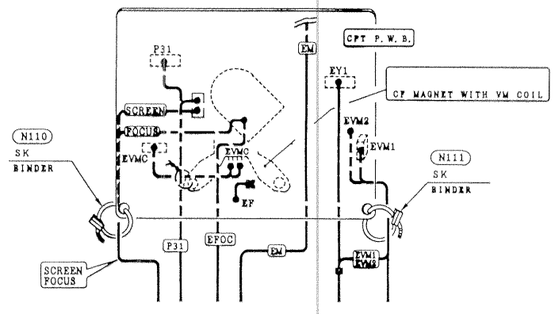
"A" VIEW

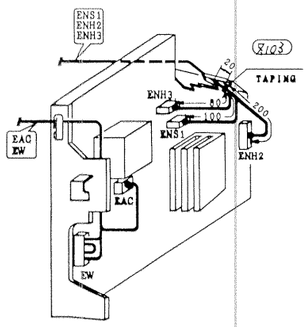


"B" VIEW

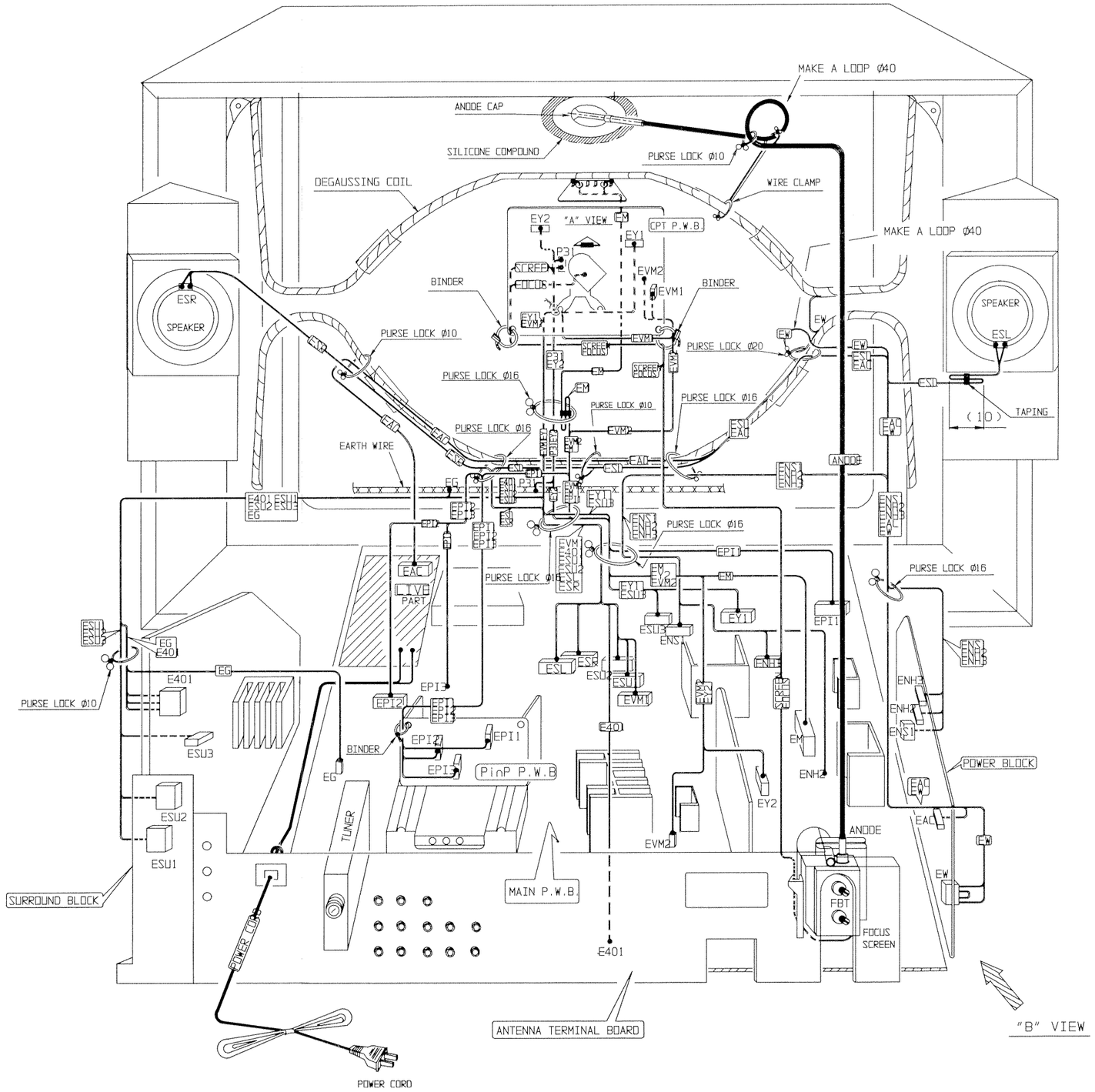
WIRING DRAWING OF 35UX70B/CZ57, 35UX70BA/CZ57P FINAL ASSEMBLY

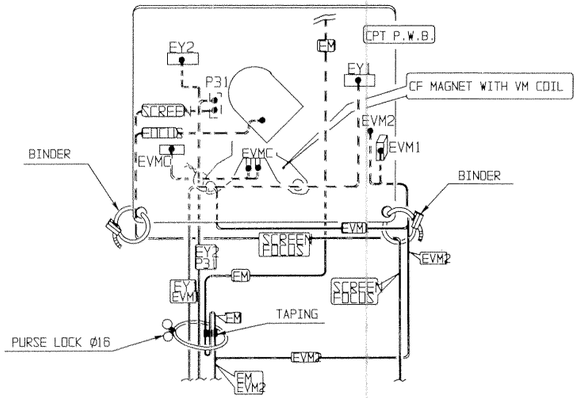






WIRING DRAWING OF 32UX8B/CY58 FINAL ASSEMBLY





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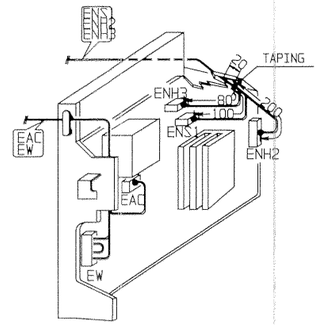
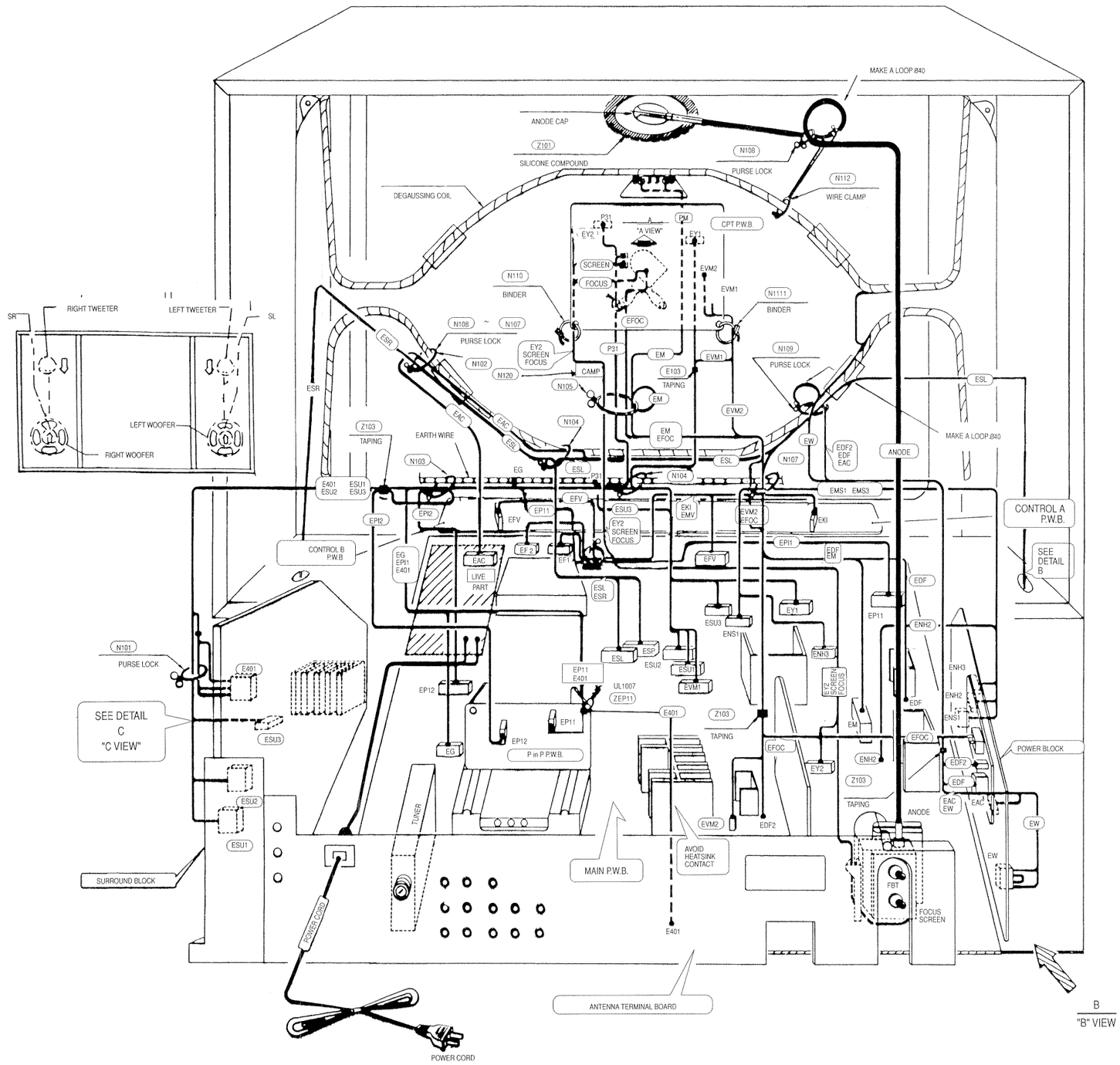
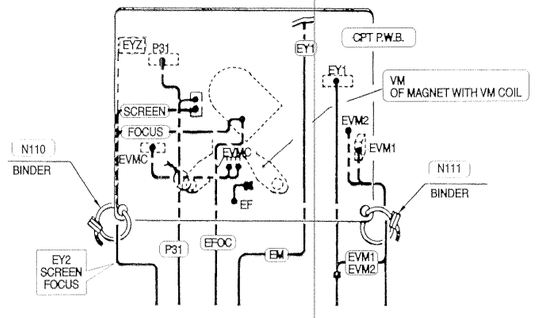


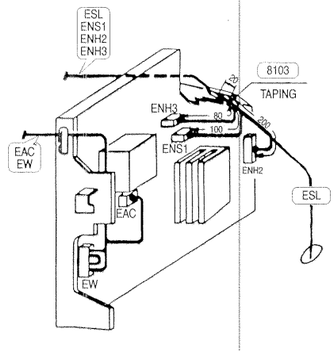
"B" VIEW

WIRING DRAWING OF 35TX79K/CZ56 FINAL ASSEMBLY

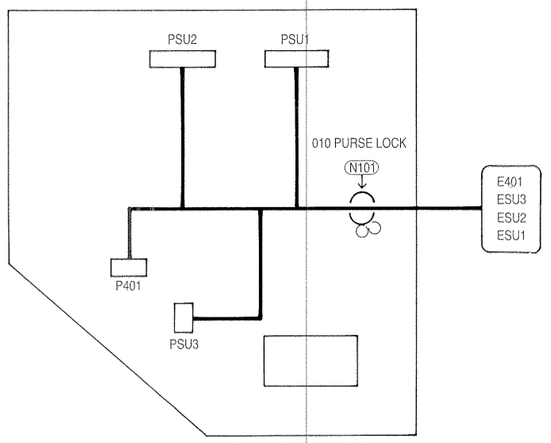




A
"A" VIEW



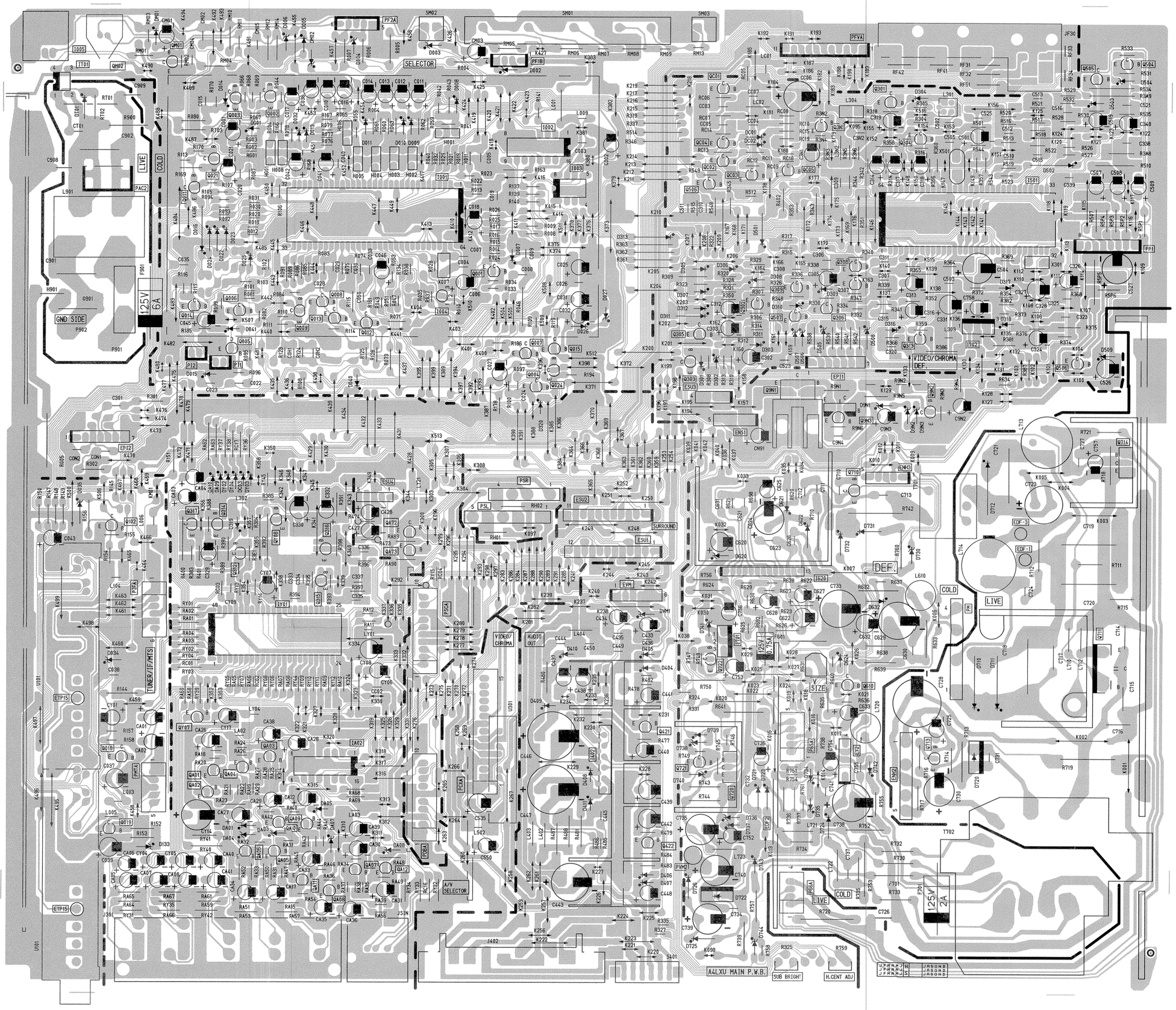
B
"B" VIEW



SURROUND BLOCK
"C" VIEW

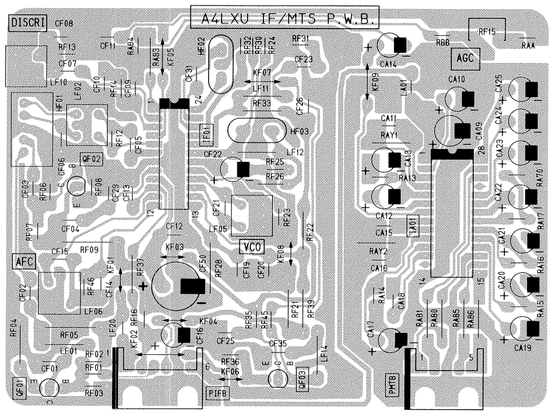
PRINTED WIRING BOARD FOIL PATTERN

A4LXU MAIN P.W.B.

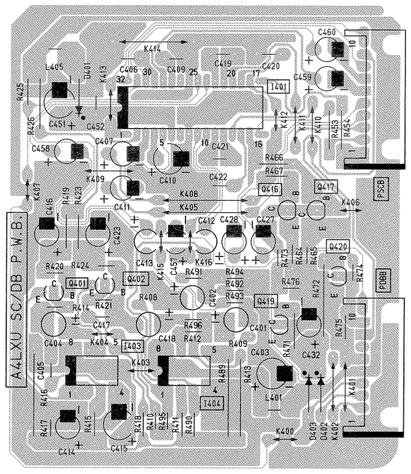


PRINTED WIRING BOARD FOIL PATTERN

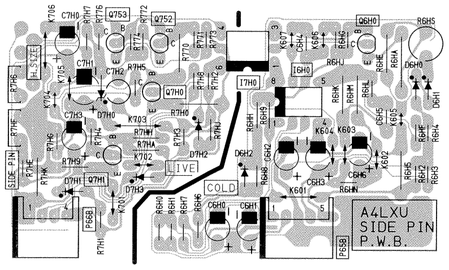
A4LXU IF/MTS P.W.B.



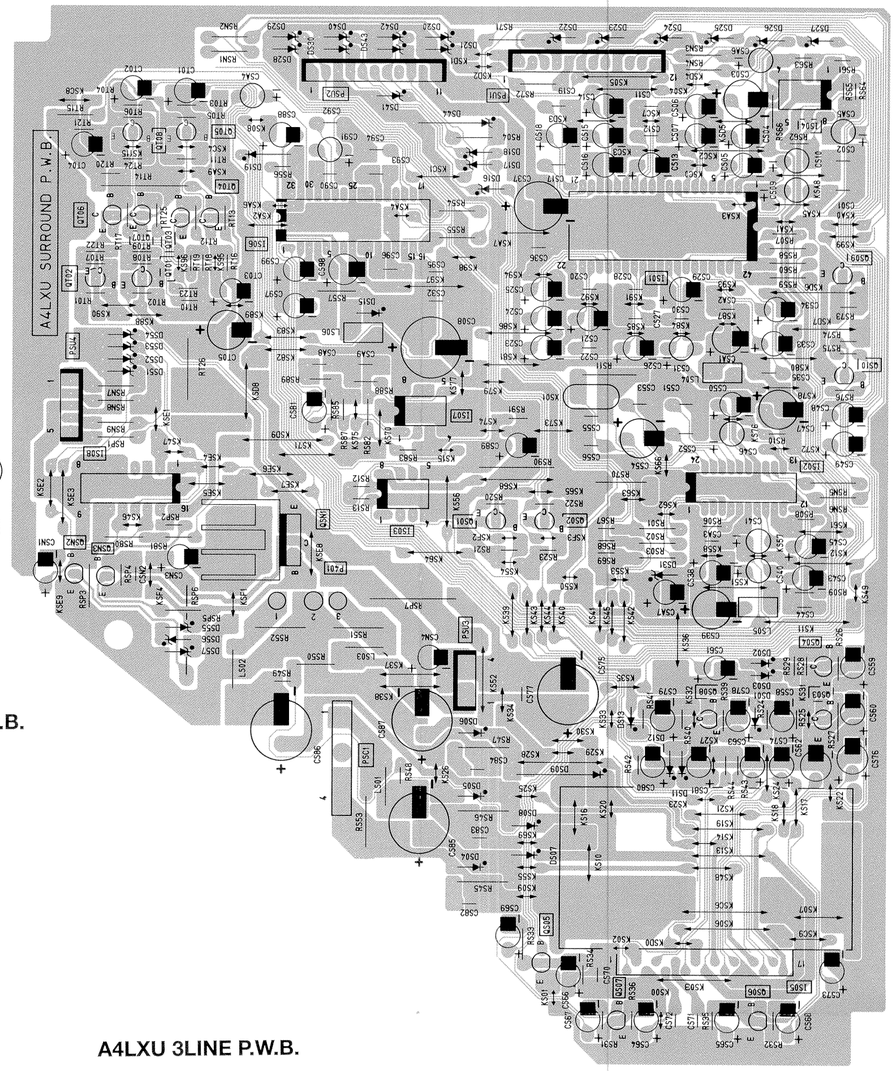
A4LXU SC/DB P.W.B.



A4LXU SIDE PIN P.W.B.

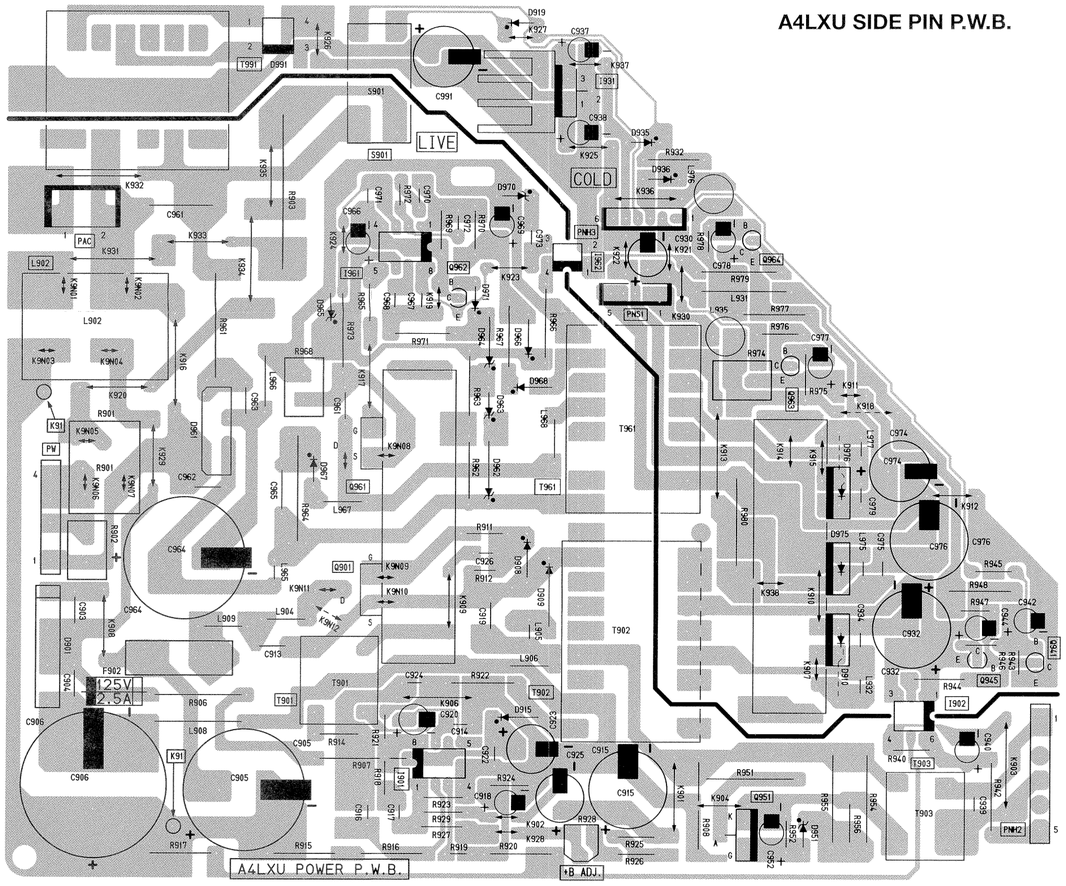


A4LXU SURROUND P.W.B.



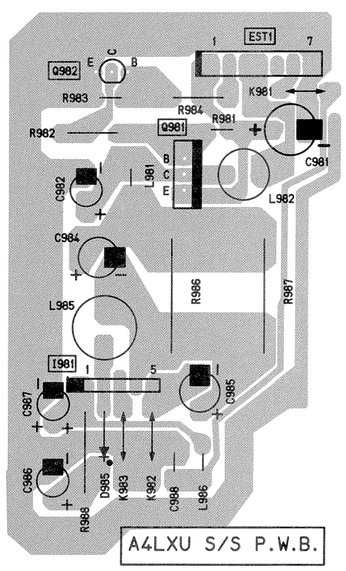
A4LXU 3LINE P.W.B.

A4LXU POWER P.W.B.

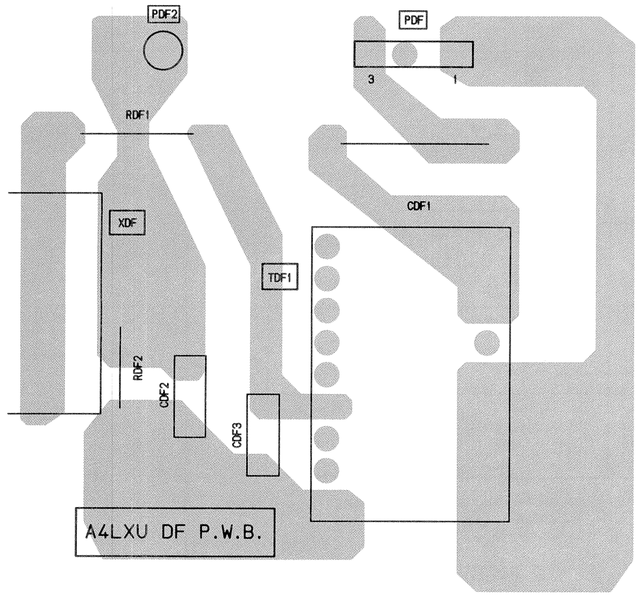


PRINTED WIRING BOARD FOIL PATTERN

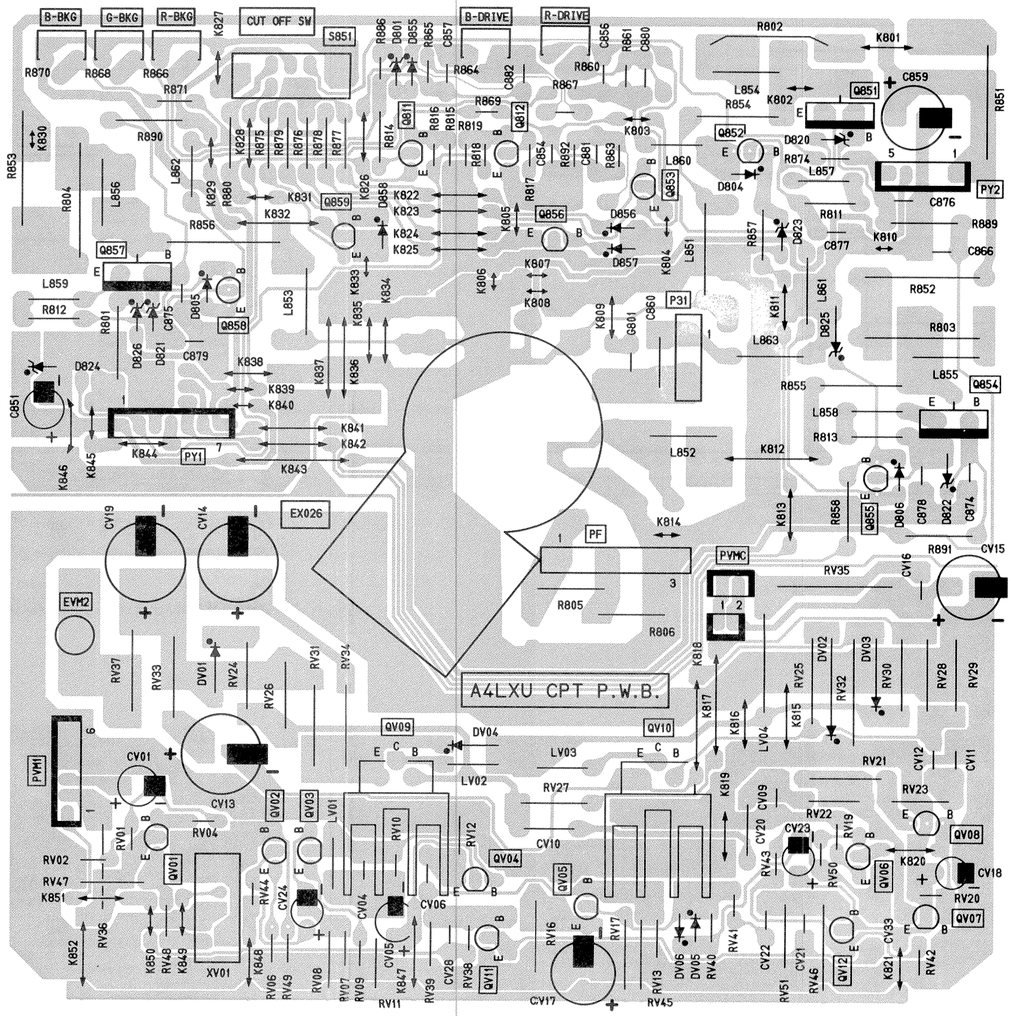
A4LXU S/S P.W.B.



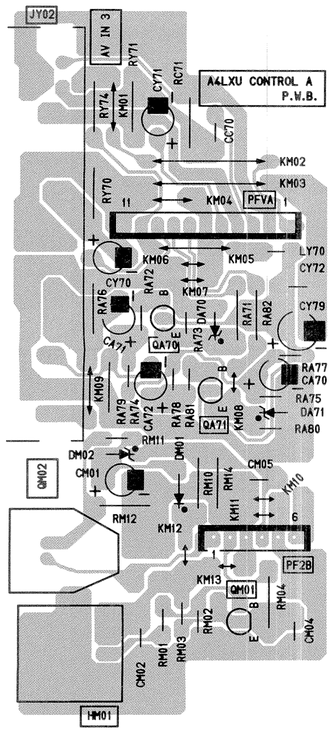
A4LXU DF P.W.B.



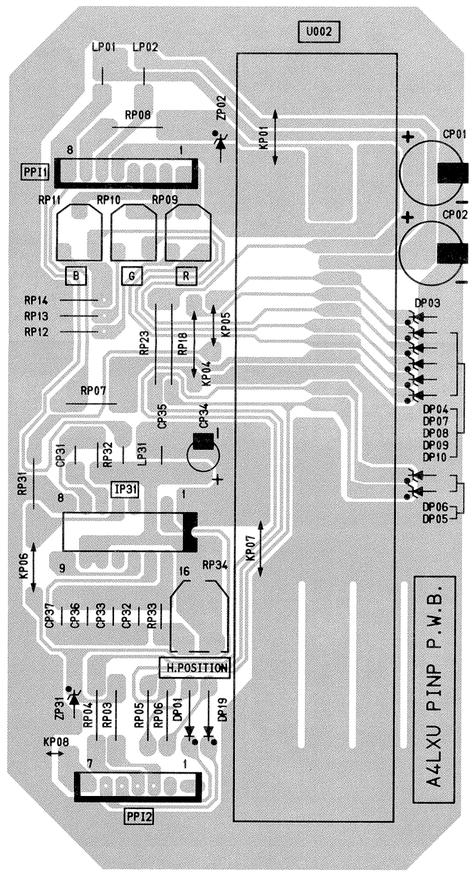
A4LXU C.P.T. P.W.B.



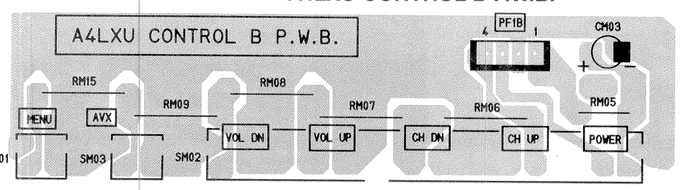
A4LXU CONTROL A P.W.B.



A4LXU P in P P.W.B.



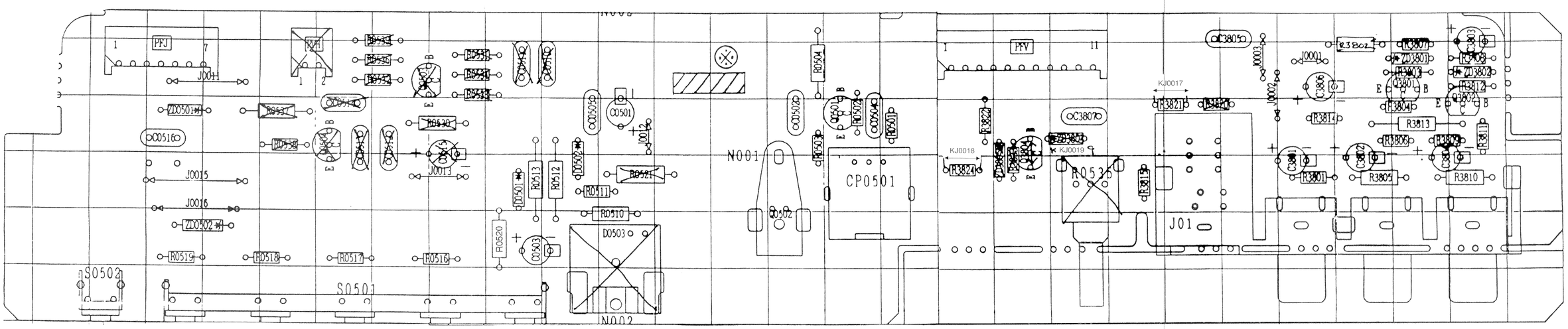
A4LXU CONTROL B P.W.B.



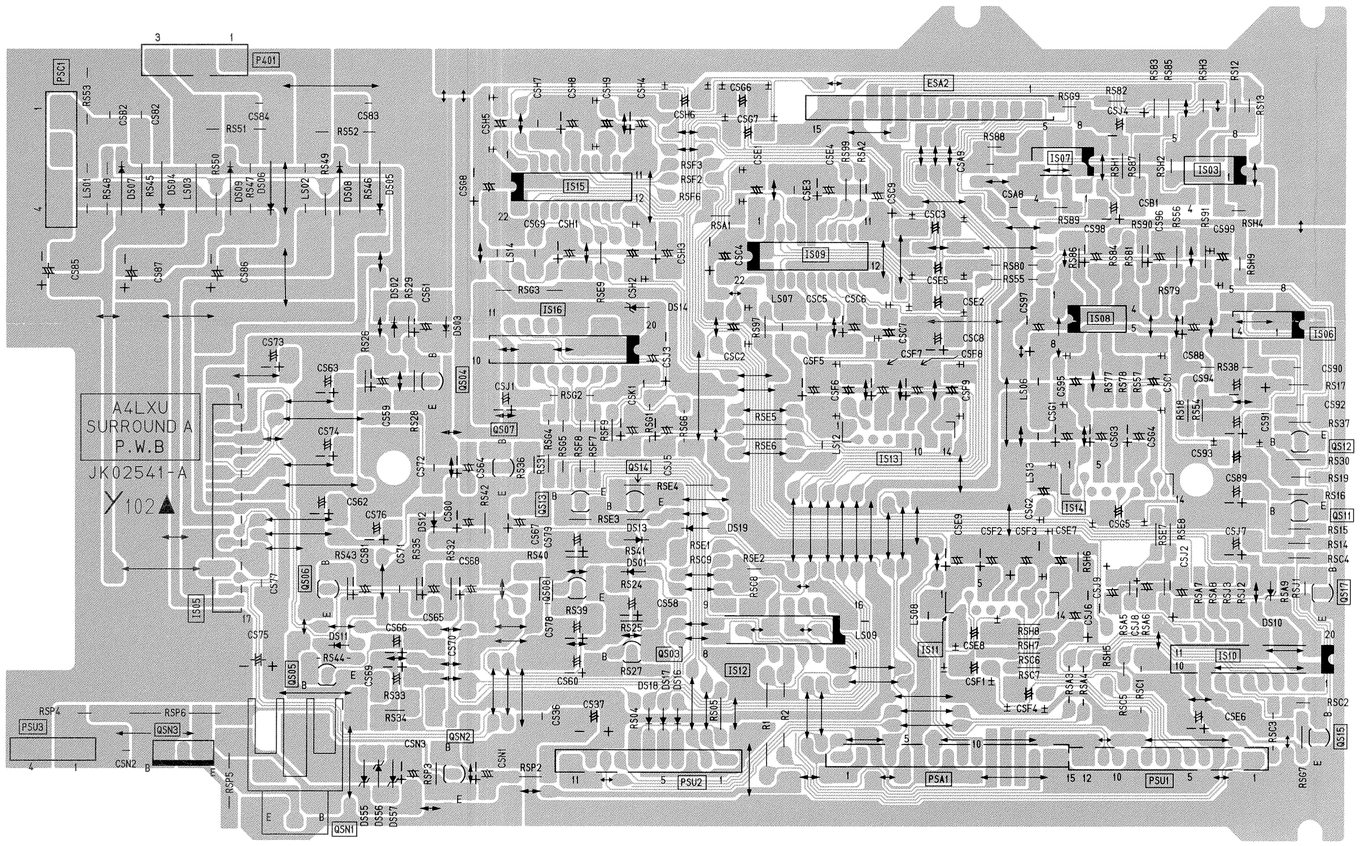
A4LXU COMB FILTER P.W.B.

PRINTED WIRING BOARD FOIL PATTERN

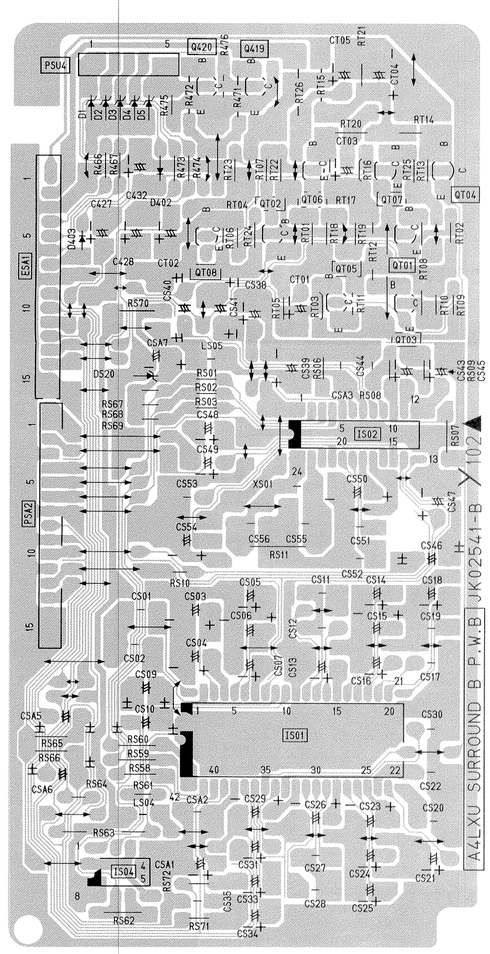
A4LXU CONTROL P.W.B. (35TX79K ONLY)



A4LXU SURROUND P.W.B. (35UX70BA ONLY)



A4LXU SURROUND P.W.B. (35UX70BA ONLY)



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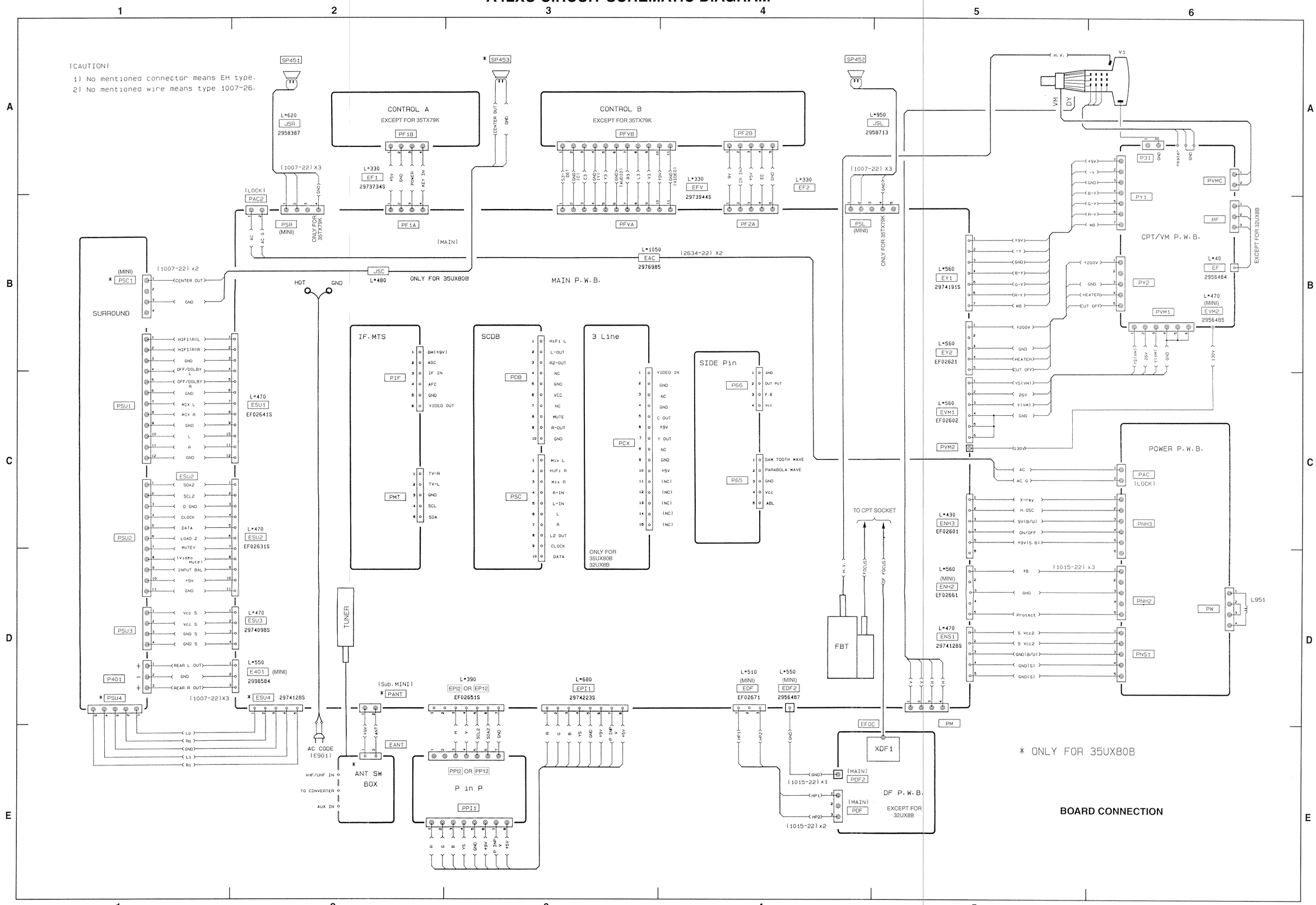
A4LXU CIRCUIT SCHEMATIC DIAGRAM



- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35UX70BA/CZ57P, 35TX79K/CZ56, 32UX8B/CY58

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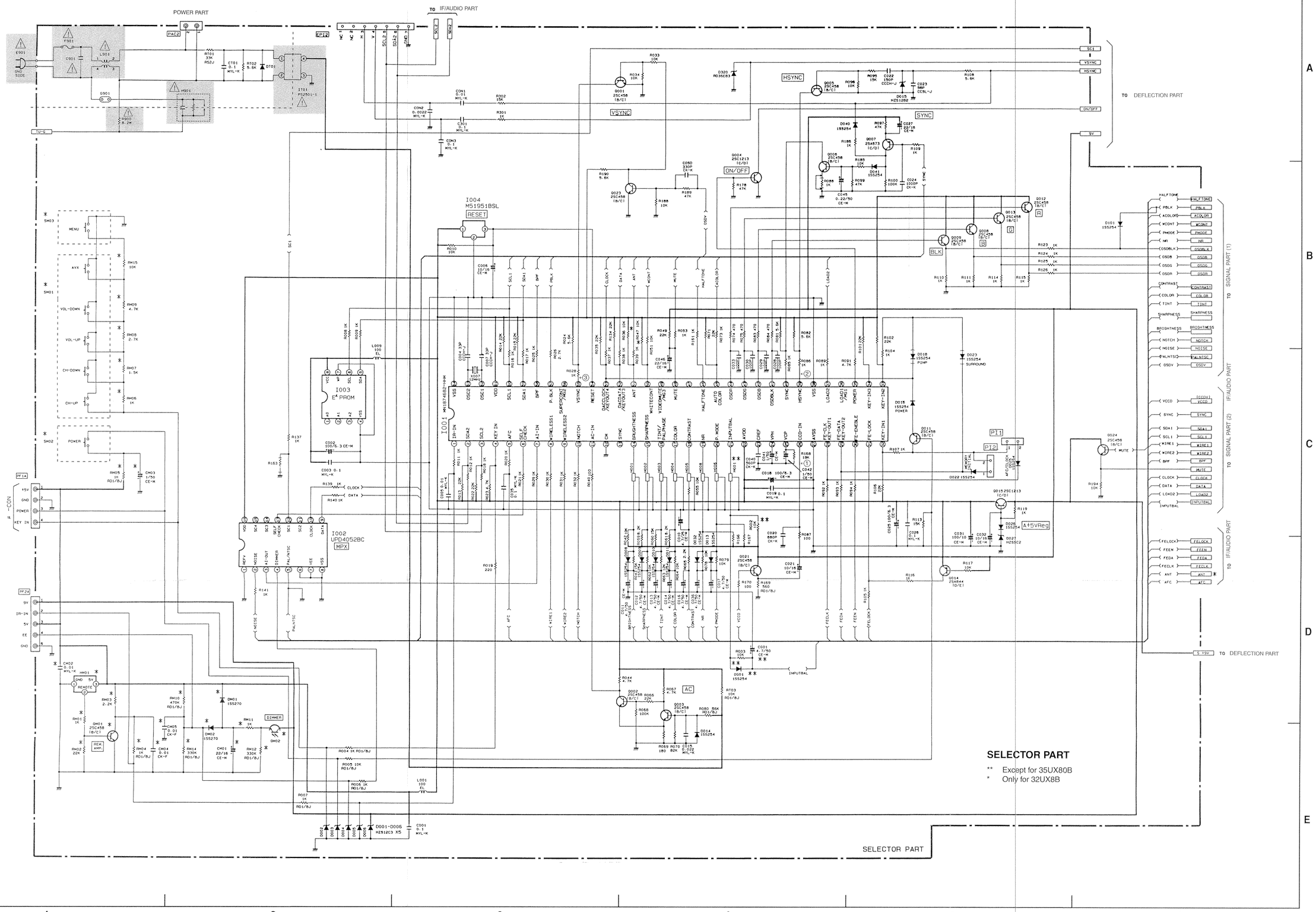

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

Circuit No.	Pin No.	DC Voltage Vdc
I001	1	0.1
	2	5.1
	3	5.1
	4	5.2
	5	3.2
	6	0.5
	7	2.4
	8	5.2
	9	0
	10	0
	11	2.5
	12	0
	13	2.6
	14	2.4
	15	2.4
	16	2.6
	17	2.5
	18	7.3
	19	8.9
	20	8.8
	21	0
	22	5.2
	23	0
	24	1.3
	25	1.1
	26	2

Circuit No.	Pin No.	DC Voltage Vdc
I001	27	0
	28	5
	29	5
	30	0.2
	31	0.1
	32	5.2
	33	5
	34	5
	35	5.1
	36	0
	37	5.2
	38	0
	39	4.8
	40	0.1
	41	0
	42	0
	43	0
	44	0
	45	8.1
	46	0
	47	0
	48	0
	49	0
	50	0
	51	0.7
	52	5.2

Circuit No.	Pin No.	DC Voltage Vdc
I001	53	5.2
	54	5.2
	55	5
	56	0
	57	0
	58	5.2
	59	5.1
	60	5.1
	61	5.2
	62	2.4
	63	2.2
	64	0

Circuit No.	Pin No.	DC Voltage Vdc
I002	1	0
	2	3.8
	3	2.4
	4	2.4
	5	0
	6	0
	7	0
	8	0
	9	5.2
	10	5.2
	11	0.5
	12	0.3
	13	0.5
	14	0.1
	15	0.1
	16	5.2

Circuit No.	Pin No.	DC Voltage Vdc
I004	1	5.2
	2	0
	3	5.2

Circuit No.	Pin No.	DC Voltage Vdc
I401	1	4.1
	2	0.2
	3	4.1
	4	8.2
	5	4.1
	6	8.3
	7	4.2
	8	0
	9	4.2
	10	4.2
	11	4.2
	12	4.2
	13	4.2
	14	4.2
	15	4.2
	16	5.1
	17	5.1
	18	4.2
	19	4.2
	20	4.2
	21	4.2
	22	4.2
	23	4.2

Circuit No.	Pin No.	DC Voltage Vdc
I401	24	4.2
	25	0
	26	4.2
	27	4.2
	28	4.2
	29	4.2
	30	4.2
	31	0.2
	32	4.2

Circuit No.	Pin No.	DC Voltage Vdc
I403	1	4.5
	2	4.5
	3	4.5
	4	0
	5	4.5
	6	4.5
	7	4.5
	8	9

Circuit No.	Pin No.	DC Voltage Vdc
I404	1	4.5
	2	4.5
	3	4.5
	4	0
	5	4.5
	6	4.5
	7	4.5
	8	9

Circuit No.	Pin No.	DC Voltage Vdc
I501	1	0
	2	0
	3	4.2
	4	7.1
	5	0
	6	4.6
	7	6.9
	8	8.9
	9	0.1
	10	5.1
	11	5.2
	12	5.3
	13	4.6
	14	9.1
	15	3.1
	16	3.1
	17	3.1
	18	0
	19	0
	20	4.9
	21	0
	22	0
	23	0
	24	7.8
	25	1.3

Circuit No.	Pin No.	DC Voltage Vdc
I501	26	0.8
	27	0
	28	5
	29	5.5
	30	8.8
	31	7.6
	32	4.5
	33	0
	34	7
	35	6.5
	36	0
	37	4.2
	38	4
	39	6.5
	40	1.3
	41	3.6
	42	1.3
	43	4.2
	44	6.5
	45	4.6
	46	3.2
	47	4.5
	48	0.7
	49	5.9
	50	5.5

CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35UX70BA/CZ57P, 35TX79K/CZ56, 32UX8B/CY58

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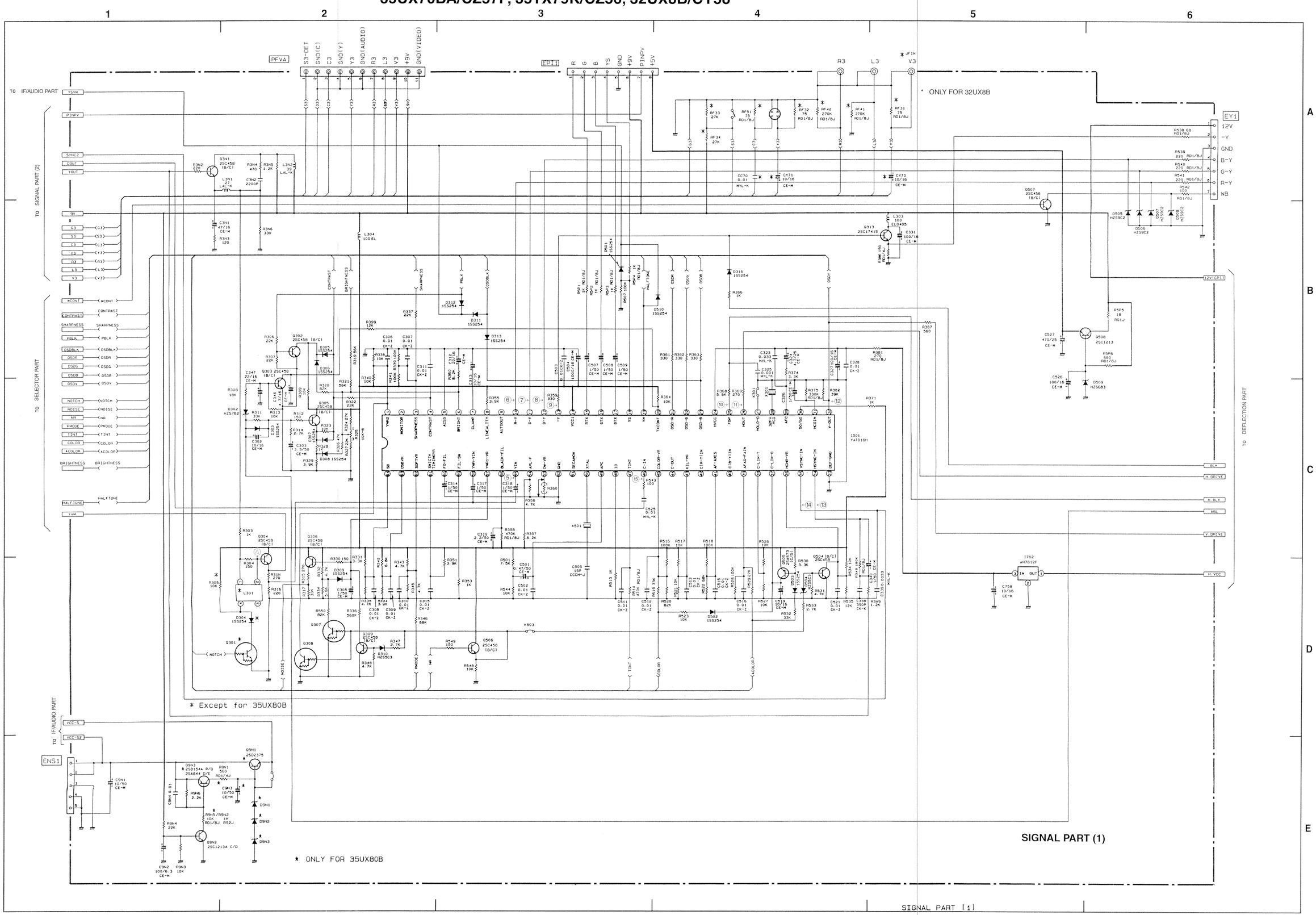

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

Circuit No.	Pin No.	DC Voltage Vdc
I501	51	1.4
	52	0
	53	0
	54	3.3
	55	3.8
	56	6.1
	57	4.4
	58	3.8
	59	0
	60	4.3
	61	4.1
	62	6
	63	3.7
	64	5.5

Circuit No.	Pin No.	DC Voltage Vdc
I620	1	8.26
	2	4.47
	3	4.15
	4	4.2
	5	0
	6	4
	7	4
	8	26.9
	9	1.9
	10	1.41
	11	0
	12	15.47
	13	27

Circuit No.	Pin No.	DC Voltage Vdc
I6H0	1	5.6
	2	5.6
	3	5.6
	4	0
	5	6
	6	6
	7	6
	8	11.2

Circuit No.	Pin No.	DC Voltage Vdc
I701	1	12
	2	9
	3	0.5

Circuit No.	Pin No.	DC Voltage Vdc
I702	1	12
	2	0
	3	21.4

Circuit No.	Pin No.	DC Voltage Vdc
I7H0	1	11.2
	2	10
	3	0
	4	3.5
	5	35.8

Circuit No.	Pin No.	DC Voltage Vdc
I901	1	0.5
	2	1.13
	3	2
	4	0
	5	4.3
	6	0
	7	1.75
	8	0.36

Circuit No.	Pin No.	DC Voltage Vdc
I902	1	21.6
	2	21.2
	3	0
	4	0
	5	109.4
	6	0

Circuit No.	Pin No.	DC Voltage Vdc
I931	1	12.57
	2	0
	3	10

Circuit No.	Pin No.	DC Voltage Vdc
I961	1	2
	2	1.18
	3	0
	4	0
	5	1.82
	6	17
	7	2
	8	3.6

Circuit No.	Pin No.	DC Voltage Vdc
I962	1	0
	2	0
	3	3.58
	4	17

Circuit No.	Pin No.	DC Voltage Vdc
IA01	1	8.9
	2	4.5
	3	4.5
	4	4.5
	5	4.5
	6	4.5
	7	4.5
	8	4.5
	9	4.5
	10	0
	11	2.6
	12	4.5
	13	4.5
	14	0
	15	4.9
	16	4
	17	0
	18	4.54
	19	4.54
	20	4.64
	21	1.24
	22	5
	23	4.9
	24	4.5
	25	4.5
	26	4.5
	27	4.5
	28	4.5

Circuit No.	Pin No.	DC Voltage Vdc
IA02	1	4.2
	2	4.2
	3	4.2
	4	0
	5	4.2
	6	0
	7	0
	8	0
	9	9
	10	0
	11	0
	12	4.2
	13	4.2
	14	4.2
	15	4.2
	16	9

Circuit No.	Pin No.	DC Voltage Vdc
IF01	1	3.9
	2	5.8
	3	6.9
	4	4.5
	5	4.5
	6	4.5
	7	0
	8	3.6
	9	8.7
	10	4
	11	3.1
	12	3.1
	13	6.9
	14	6
	15	7.7
	16	7.7
	17	4
	18	4.9
	19	3.4
	20	4.14
	21	4.34
	22	7
	23	4.82
	24	2.17

Circuit No.	Pin No.	DC Voltage Vdc
IP31	1	0
	2	1.24
	3	5
	4	0.45
	5	0.3
	6	0.3
	7	4.86
	8	0.3
	9	4.61
	10	5.02
	11	5.02
	12	4.74
	13	4.6
	14	0.3
	15	2.75
	16	5.02

CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35UX70BA/CZ57P, 35TX79K/CZ56, 32UX8B/CY58

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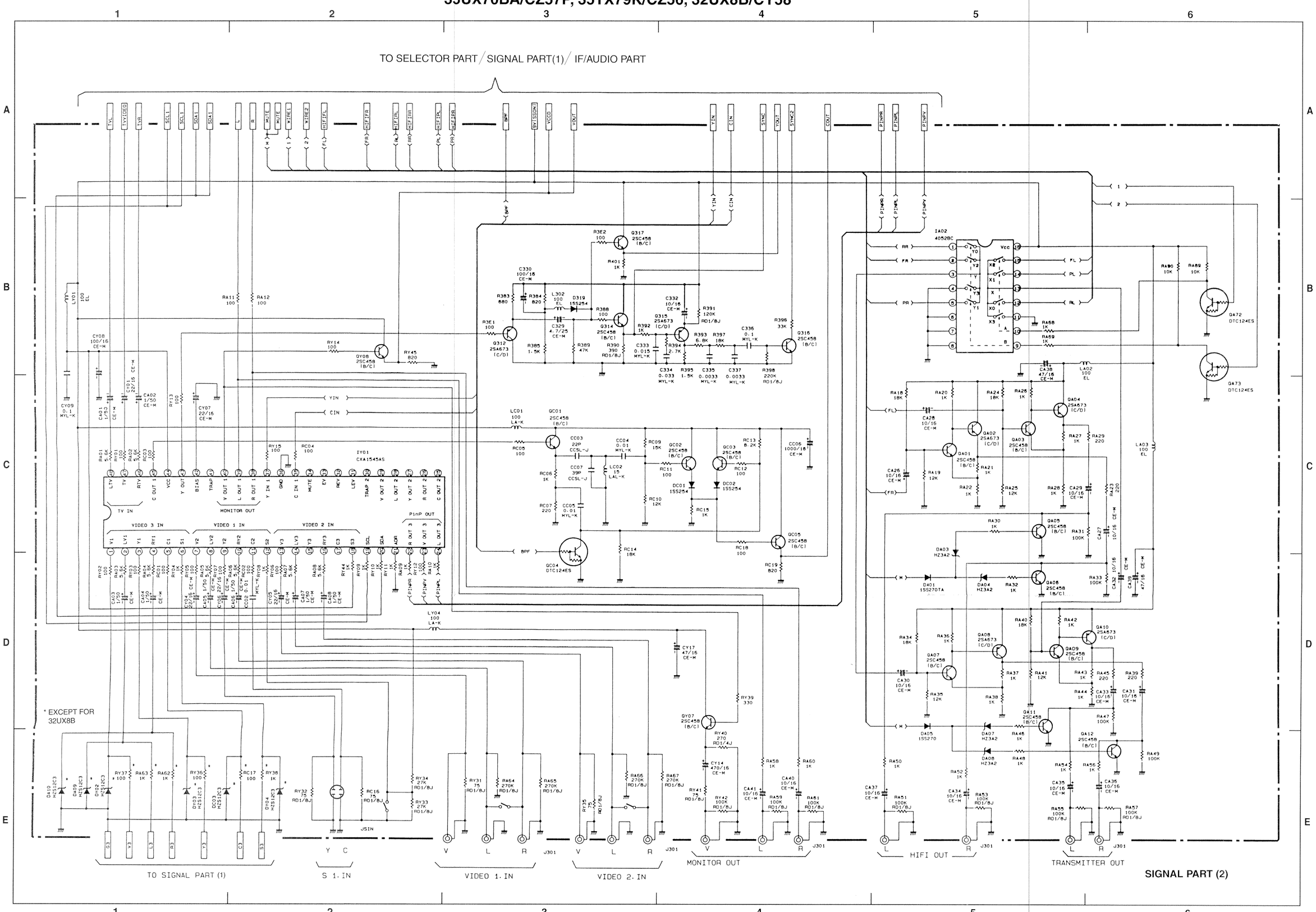

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- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

Circuit No.	Pin No.	DC Voltage Vdc
IS01	1	4.6
	2	4.6
	3	4.5
	4	4.5
	5	4.5
	6	4.5
	7	4.5
	8	4.5
	9	4.5
	10	4.5
	11	0
	12	4.5
	13	4.5
	14	4.5
	15	4.5
	16	5.3
	17	4.5
	18	5.3
	19	5
	20	5
	21	5
	22	4.3
	23	4.3
	24	4.3
	25	5.3

Circuit No.	Pin No.	DC Voltage Vdc
IS01	26	4.5
	27	5.3
	28	4.5
	29	4.5
	30	4.5
	31	4.5
	32	4.5
	33	4.5
	34	4.5
	35	4.5
	36	4.5
	37	4.5
	38	9
	39	0.1
	40	5.2
	41	5.2
	42	5.2

Circuit No.	Pin No.	DC Voltage Vdc
IS02	1	0
	2	5.2
	3	5.2
	4	5.2
	5	2.4
	6	0.8
	7	9.4
	8	4.7
	9	4.8
	10	4.8
	11	4.8
	12	4.8
	13	4.8
	14	4.8
	15	4.8
	16	4.8
	17	0
	18	4.8
	19	4.8
	20	4.8
	21	4.8
	22	4.8
	23	2.4
	24	2.4

Circuit No.	Pin No.	DC Voltage Vdc
IS03	1	9.3
	2	1.4
	3	1.9
	4	0
	5	4.8
	6	4.8
	7	4.8
	8	9.4

Circuit No.	Pin No.	DC Voltage Vdc
IS04	1	4.5
	2	4.5
	3	4.5
	4	0
	5	4.5
	6	4.5
	7	4.5
	8	9

Circuit No.	Pin No.	DC Voltage Vdc
IS05	1	1.9
	2	2.1
	3	0
	4	1.9
	5	2.1
	6	2.1
	7	1.9
	8	9.2
	9	27.1
	10	13.2
	11	2.1
	12	2.8
	13	0
	14	13.3
	15	5.1
	16	4.3
	17	12.9

Circuit No.	Pin No.	DC Voltage Vdc
IS06	1	4.4
	2	0.2
	3	4.4
	4	8.6
	5	4.4
	6	8.7
	7	4.4
	8	0
	9	4.4
	10	4.4
	11	4.4
	12	4.4
	13	4.4
	14	4.4
	15	4.4
	16	5
	17	5
	18	4.4
	19	4.4
	20	4.4
	21	4.4
	22	4.4
	23	4.4
	24	4.4
	25	0

Circuit No.	Pin No.	DC Voltage Vdc
IS06	26	4.4
	27	4.4
	28	4.4
	29	4.4
	30	4.4
	31	8.7
	32	4.4

Circuit No.	Pin No.	DC Voltage Vdc
IS08	1	4.2
	2	4.2
	3	0
	4	0
	5	0
	6	0
	7	0
	8	0
	9	0
	10	0.1
	11	0.1
	12	4.2
	13	4.2
	14	4.2
	15	4.2
	16	9

Circuit No.	Pin No.	DC Voltage Vdc
IT01	1	165
	2	165
	3	0
	4	2.34

Circuit No.	Pin No.	DC Voltage Vdc
IX01	1	1.6
	2	0
	3	5.2
	4	3.6
	5	2.3
	6	1.4
	7	3.3
	8	0
	9	2.6
	10	2.1
	11	2.4
	12	5.2
	13	0
	14	0
	15	0
	16	0
	17	5.2
	18	0
	19	0
	20	5.2
	21	0
	22	3.6
	23	4.5
	24	1.9
	25	4.3
	26	3.8
	27	5.2
	28	0

CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35UX70BA/CZ57P, 35TX79K/CZ56, 32UX8B/CY58

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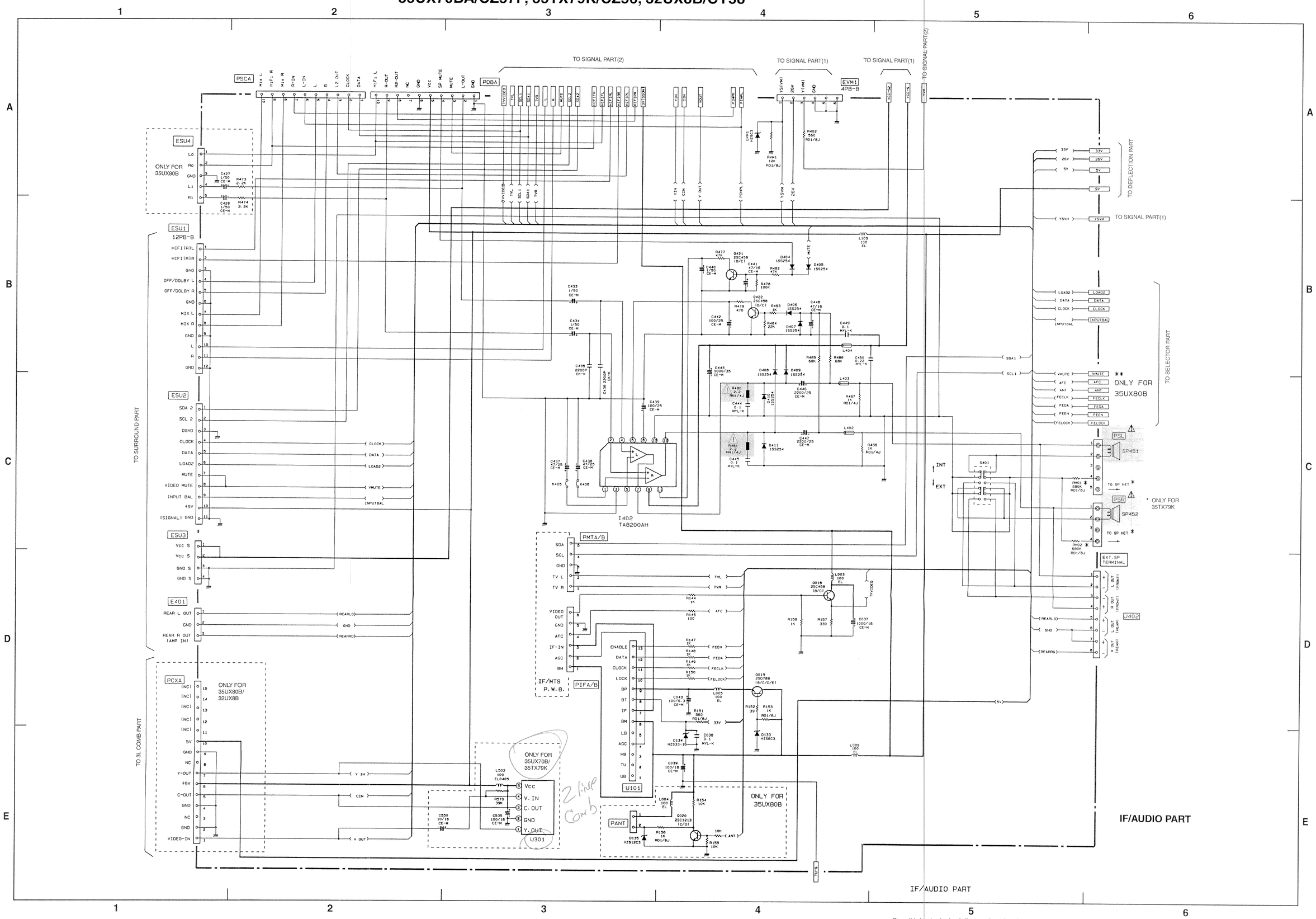

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

Circuit No.	Pin No.	DC Voltage Vdc
IX02	1	3.7
	2	0.8
	3	2.6
	4	3.5
	5	0
	6	0
	7	2.5
	8	0
	9	3.6
	10	5.1
	11	5.1
	12	3.5
	13	2.1
	14	3.3
	15	0.8
	16	2.8

Circuit No.	Pin No.	DC Voltage Vdc
IY01	1	4.7
	2	4.7
	3	4.7
	4	4.7
	5	4.7
	6	2.5
	7	4.7
	8	4.7
	9	4.7
	10	4.7
	11	4.7
	12	2.5
	13	4.7
	14	4.7
	15	4.7
	16	4.7
	17	4.7
	18	4.3
	19	5.1
	20	5.1
	21	0
	22	4.8
	23	4.6
	24	4.8
	25	4.7

Circuit No.	Pin No.	DC Voltage Vdc
IY01	26	4.8
	27	4.7
	28	4.8
	29	4.7
	30	4.7
	31	4.7
	32	4.7
	33	4.7
	34	0
	35	4.7
	36	0
	37	4.7
	38	4.8
	39	4.8
	40	4.6
	41	4.7
	42	4.7
	43	4.6
	44	9
	45	4.6
	46	4.7
	47	4.7
	48	4.7

Circuit No.	Pin No.	DC Voltage Vdc
Q001	B	0
	C	5
	E	0
Q002	B	0.54
	C	2.68
	E	0.2
Q003	B	0.54
	C	2.14
	E	0.2
Q004	B	0.74
	C	0.1
	E	0
Q005	B	0
	C	4.37
	E	0
Q006	B	0.66
	C	0.1
	E	0
Q007	B	5.83
	C	0.8
	E	5.32
Q008	B	0
	C	4.9
	E	0

Circuit No.	Pin No.	DC Voltage Vdc
Q009	B	0
	C	5.9
	E	0
Q011	B	0
	C	4.9
	E	0
Q012	B	0
	C	4.9
	E	0
Q013	B	0
	C	4.9
	E	0
Q014	B	0
	C	4.93
	E	0
Q015	B	5.71
	C	9.81
	E	4.9
Q018	B	12.4
	C	0
	E	12.4
Q019	B	0
	C	12.3
	E	0

Circuit No.	Pin No.	DC Voltage Vdc
Q020	B	0
	C	5.2
	E	0
Q021	B	4.12
	C	9.32
	E	3.43
Q023	B	0.6
	C	0.2
	E	0
Q024	B	0
	C	9.81
	E	0
Q0501	B	0.8
	C	0.1
	E	0.1
Q0502	B	-
	C	9.2
	E	1
Q301	B	0
	C	9
	E	0
Q302	B	0
	C	9.1
	E	0

Circuit No.	Pin No.	DC Voltage Vdc
Q303	B	1
	C	4.2
	E	0.5
Q304	B	6.6
	C	9.1
	E	6
Q305	B	8.1
	C	9.1
	E	7.4
Q306	B	4.4
	C	9.1
	E	3.8
Q307	B	8.1
	C	4.8
	E	0
Q308	B	8.1
	C	0
	E	0
Q309	B	0.7
	C	0
	E	0
Q312	B	4.6
	C	0
	E	5.2

Circuit No.	Pin No.	DC Voltage Vdc
Q313	B	4.7
	C	9
	E	4
Q314	B	6
	C	9.1
	E	5.3
Q315	B	5.3
	C	0
	E	5.2
Q316	B	-0.2
	C	6.4
	E	0
Q317	B	5.2
	C	9.1
	E	4.6
Q3801	B	3.8
	C	12
	E	3.2
Q3802	B	3.6
	C	12
	E	3.2
Q3N1	B	5.6
	C	9.1
	E	4.9

Circuit No.	Pin No.	DC Voltage Vdc
Q401	B	2
	C	3.1
	E	4.5
Q402	B	0.2
	C	3.2
	E	4.5
Q419	B	0.2
	C	0
	E	0
Q420	B	0.2
	C	0
	E	0
Q421	B	0
	C	4.1
	E	0
Q422	B	0
	C	9.1
	E	0
Q504	B	0.7
	C	0
	E	0
Q505	B	9
	C	4.2
	E	9.1

Circuit No.	Pin No.	DC Voltage Vdc
Q506	B	8.8
	C	9.1
	E	8.1
Q507	B	0
	C	6.55
	E	0
Q610	B	15.4
	C	0
	E	15.7
Q6H0	B	6.21
	C	10
	E	5.51
Q710	B	0.3
	C	15.37
	E	0
Q711	B	0.1
	C	139.76
	E	0.06
Q713	B	132
	C	0
	E	132
Q714	B	0.45
	C	21.7
	E	0.05

Circuit No.	Pin No.	DC Voltage Vdc
Q720	B	9.94
	C	12.25
	E	9.31
Q721	B	9.28
	C	0
	E	8.32
Q7H0	B	26.96
	C	0.5
	E	27.4
Q7H1	B	1.32
	C	15.15
	E	0.715
Q811	B	5.7
	C	5
	E	5.1
Q812	B	4.5
	C	4.82
	E	5.2
Q851	B	12.1
	C	167.9
	E	11.8
Q852	B	5.9
	C	11.4
	E	5.5

Circuit No.	Pin No.	DC Voltage Vdc
Q853	B	4.5
	C	2.37
	E	5.2
Q854	B	12.2
	C	163
	E	11.8
Q855	B	6
	C	11.3
	E	5.6
Q856	B	4.5
	C	0
	E	5.2
Q857	B	12.2
	C	157
	E	11.8
Q858	B	6
	C	11.3
	E	5.7
Q859	B	4.5
	C	0
	E	5.1
Q901	G	134
	D	327.3
	S	130

CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35UX70BA/CZ57P, 35TX79K/CZ56, 32UX8B/CY58

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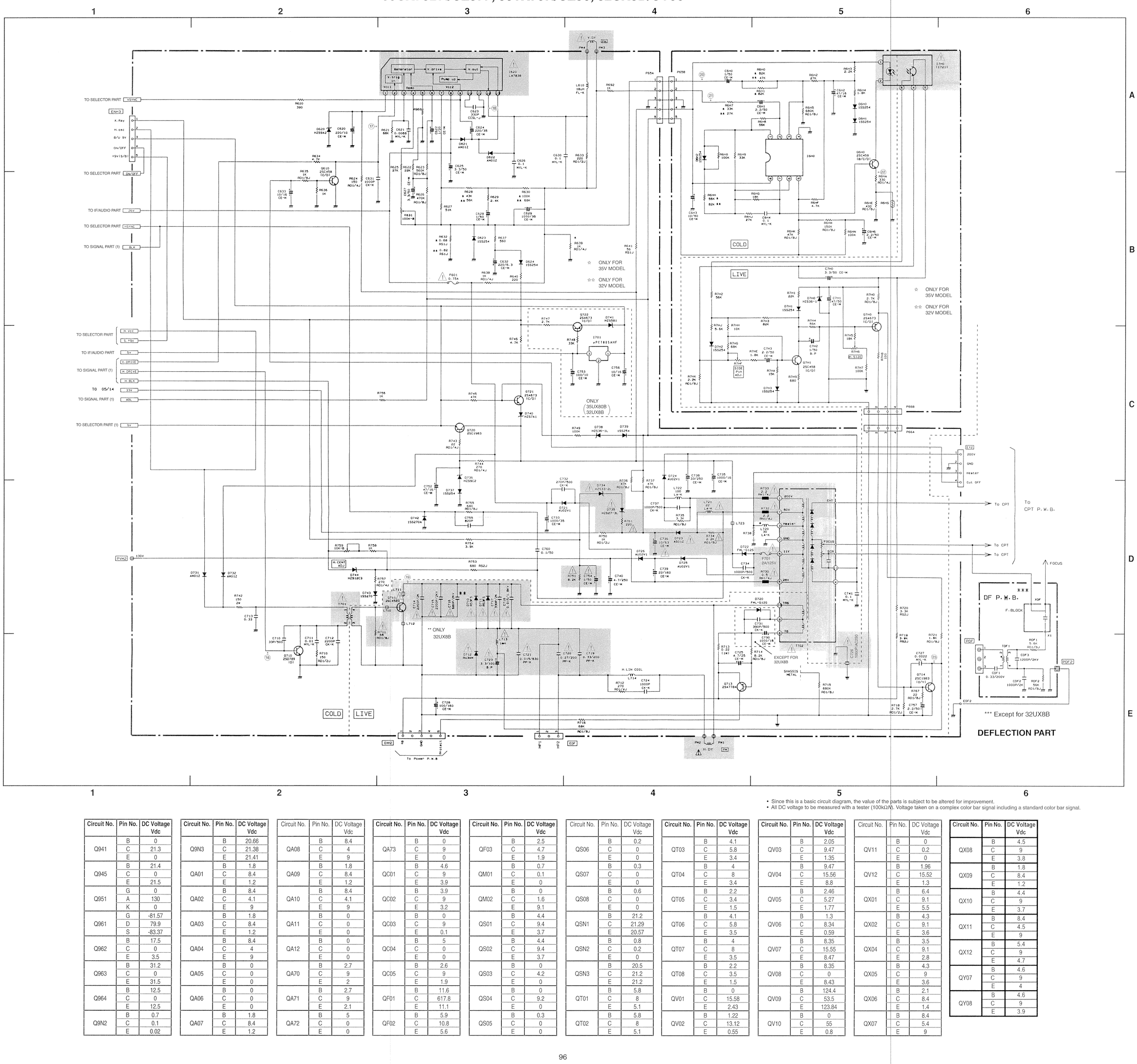

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

Circuit No.	Pin No.	DC Voltage Vdc
Q941	B	0
	C	21.3
	E	0
Q945	B	21.4
	C	0
	E	21.5
Q951	G	0
	A	130
	K	0
Q961	G	-81.57
	D	79.9
	S	-83.37
Q962	B	17.5
	C	0
	E	3.5
Q963	B	31.2
	C	0
	E	31.5
Q964	B	12.5
	C	0
	E	12.5
Q9N2	B	0.7
	C	0.1
	E	0.02

Circuit No.	Pin No.	DC Voltage Vdc
Q9N3	B	20.66
	C	21.38
	E	21.41
QA01	B	1.8
	C	8.4
	E	1.2
QA02	B	8.4
	C	4.1
	E	9
QA03	B	1.8
	C	8.4
	E	1.2
QA04	B	8.4
	C	4
	E	9
QA05	B	0
	C	0
	E	0
QA06	B	0
	C	0
	E	0
QA07	B	1.8
	C	8.4
	E	1.2

Circuit No.	Pin No.	DC Voltage Vdc
QA08	B	8.4
	C	4
	E	9
QA09	B	1.8
	C	8.4
	E	1.2
QA10	B	8.4
	C	4.1
	E	9
QA11	B	0
	C	0
	E	0
QA12	B	0
	C	0
	E	0
QA70	B	2.7
	C	9
	E	2
QA71	B	2.7
	C	9
	E	2.1
QA72	B	5
	C	0
	E	0

Circuit No.	Pin No.	DC Voltage Vdc
QA73	B	0
	C	9
	E	0
QC01	B	4.6
	C	9
	E	3.9
QC02	B	3.9
	C	9
	E	3.2
QC03	B	0
	C	9
	E	0.1
QC04	B	5
	C	0
	E	0
QC05	B	2.6
	C	9
	E	1.9
QF01	B	11.6
	C	617.8
	E	11.1
QF02	B	5.9
	C	10.8
	E	5.6

Circuit No.	Pin No.	DC Voltage Vdc
QF03	B	2.5
	C	4.7
	E	1.9
QM01	B	0.7
	C	0.1
	E	0
QM02	B	0
	C	1.6
	E	9.1
QS01	B	4.4
	C	9.4
	E	3.7
QS02	B	4.4
	C	9.4
	E	3.7
QS03	B	0
	C	4.2
	E	0
QS04	B	0
	C	9.2
	E	0
QS05	B	0.3
	C	0
	E	0

Circuit No.	Pin No.	DC Voltage Vdc
QS06	B	0.2
	C	0
	E	0
QS07	B	0.3
	C	0
	E	0
QS08	B	0.6
	C	0
	E	0
QSN1	B	21.2
	C	21.29
	E	20.57
QSN2	B	0.8
	C	0.2
	E	0
QSN3	B	20.5
	C	21.2
	E	21.2
QT01	B	5.8
	C	8
	E	5.1
QT02	B	5.8
	C	8
	E	5.1

Circuit No.	Pin No.	DC Voltage Vdc
QT03	B	4.1
	C	5.8
	E	3.4
QT04	B	4
	C	8
	E	3.4
QT05	B	2.2
	C	3.4
	E	1.5
QT06	B	4.1
	C	5.8
	E	3.5
QT07	B	4
	C	8
	E	3.5
QT08	B	2.2
	C	3.5
	E	1.5
QV01	B	0
	C	15.58
	E	2.43
QV02	B	1.22
	C	13.12
	E	0.55

Circuit No.	Pin No.	DC Voltage Vdc
QV03	B	2.05
	C	9.47
	E	1.35
QV04	B	9.47
	C	15.56
	E	8.8
QV05	B	2.46
	C	5.27
	E	1.77
QV06	B	1.3
	C	8.34
	E	0.59
QV07	B	8.35
	C	15.55
	E	8.47
QV08	B	8.35
	C	0
	E	8.43
QV09	B	124.4
	C	53.5
	E	123.84
QV10	B	0
	C	55
	E	0.8

Circuit No.	Pin No.	DC Voltage Vdc
QV11	B	0
	C	0.2
	E	0
QV12	B	1.96
	C	15.52
	E	1.3
QX01	B	6.4
	C	9.1
	E	5.5
QX02	B	4.3
	C	9.1
	E	3.6
QX04	B	3.5
	C	9.1
	E	2.8
QX05	B	4.3
	C	9
	E	3.6
QX06	B	2.1
	C	8.4
	E	1.4
QX07	B	8.4
	C	5.4
	E	9

Circuit No.	Pin No.	DC Voltage Vdc
QX08	B	4.5
	C	9
	E	3.8
QX09	B	1.8
	C	8.4
	E	1.2
QX10	B	4.4
	C	9
	E	3.7
QX11	B	8.4
	C	4.5
	E	9
QX12	B	5.4
	C	9
	E	4.7
QY07	B	4.6
	C	9
	E	4
QY08	B	4.6
	C	9
	E	3.9

CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35TX79K/CZ56, 32UX8B/CY58

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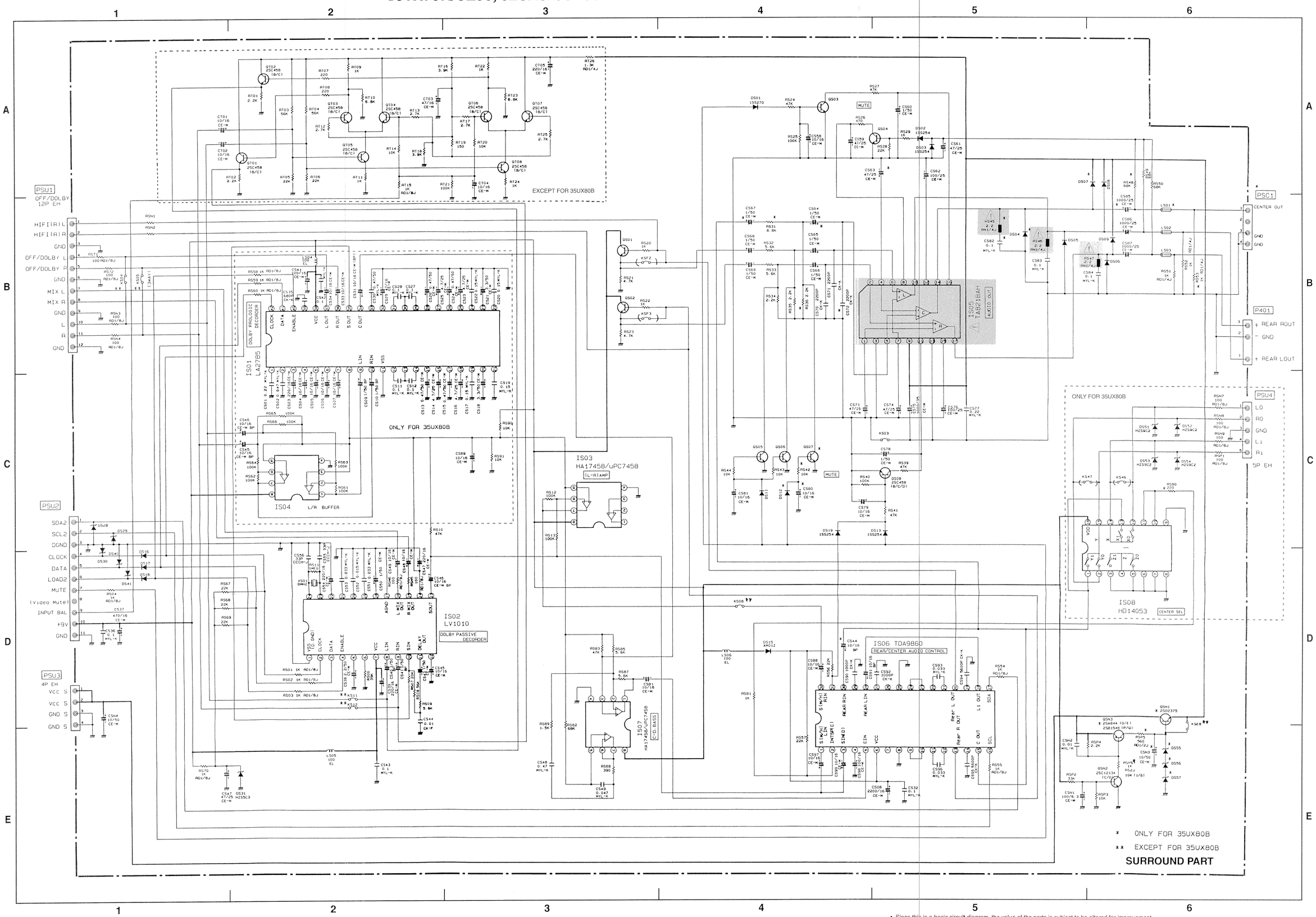

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
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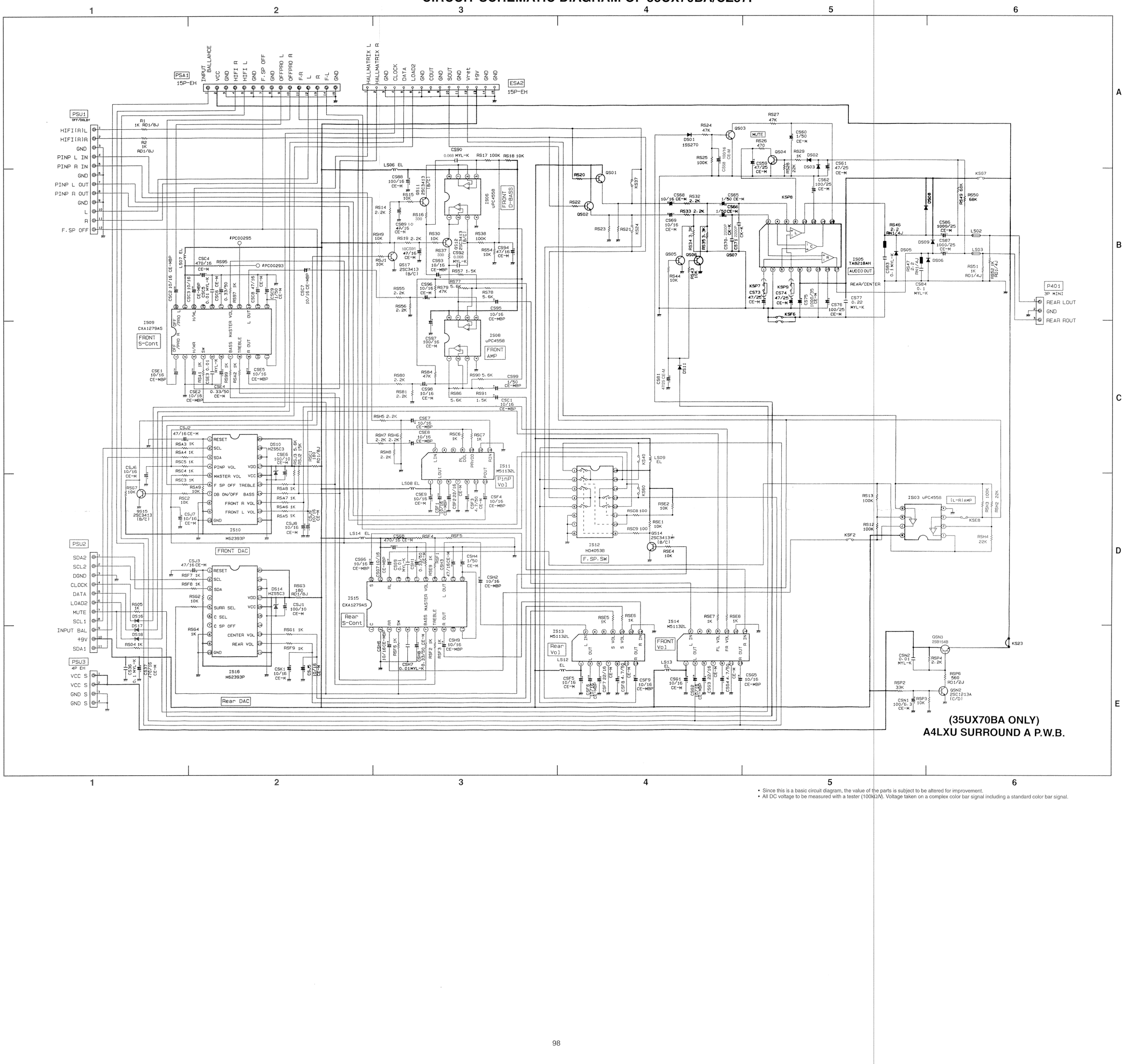
CIRCUIT SCHEMATIC DIAGRAM OF 35UX70BA/CZ57P



- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

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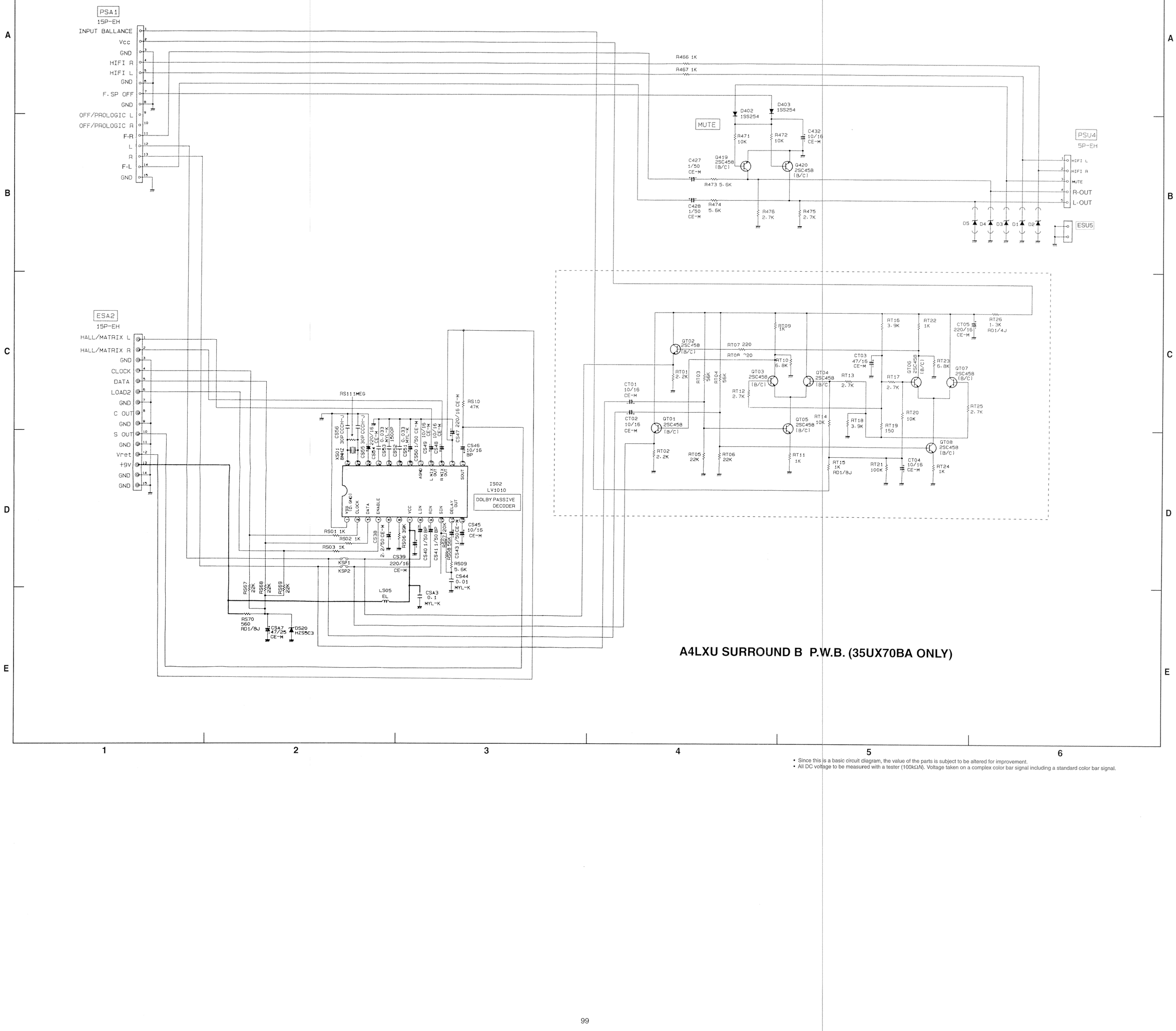
CIRCUIT SCHEMATIC DIAGRAM OF 35UX70BA/CZ57P



A4LXU SURROUND B P.W.B. (35UX70BA ONLY)

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CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35UX70BA/CZ57P, 35TX79K/CZ56, 32UX8B/CY58

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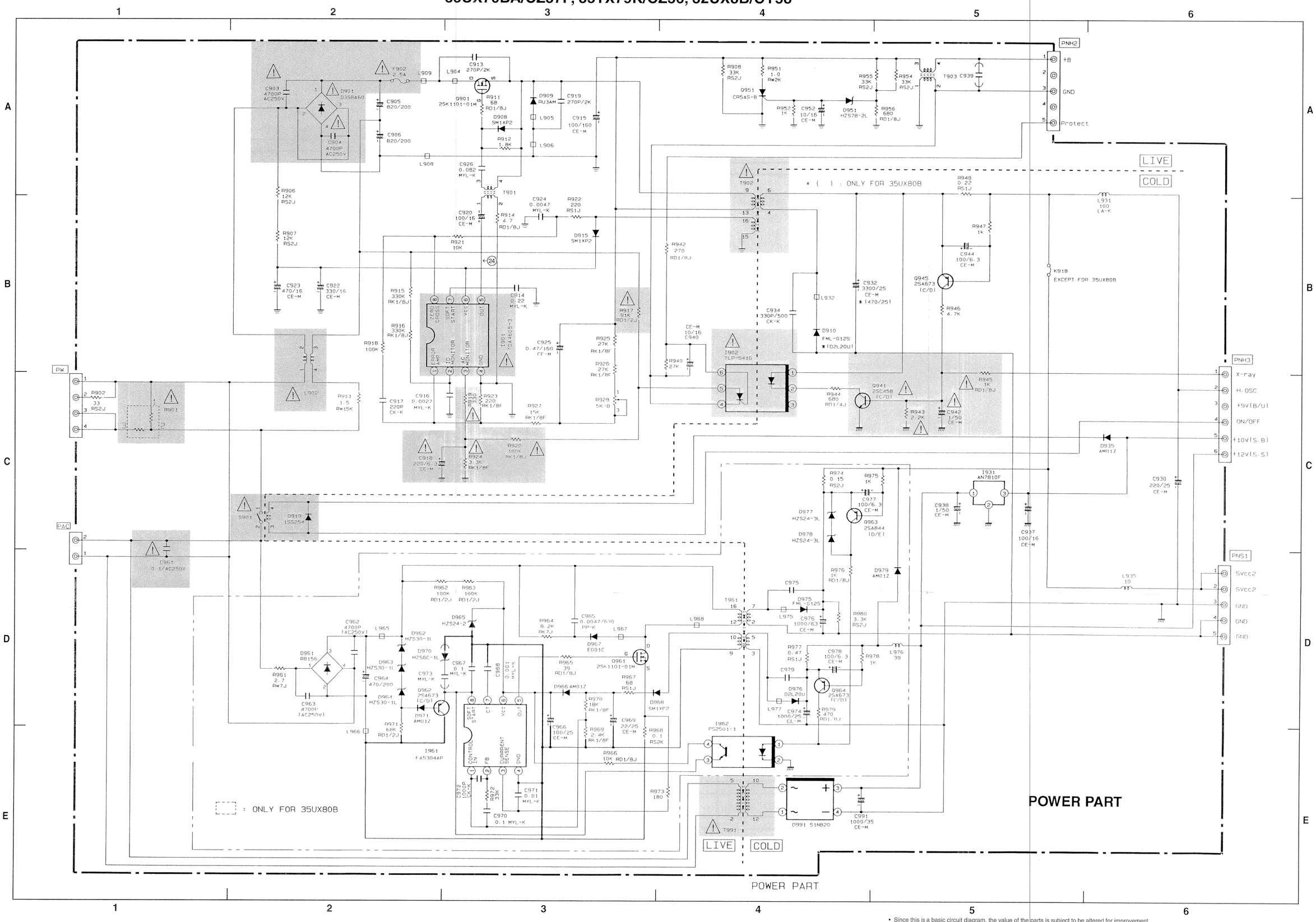

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- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35UX70BA/CZ57P, 35TX79K/CZ56, 32UX8B/CY58

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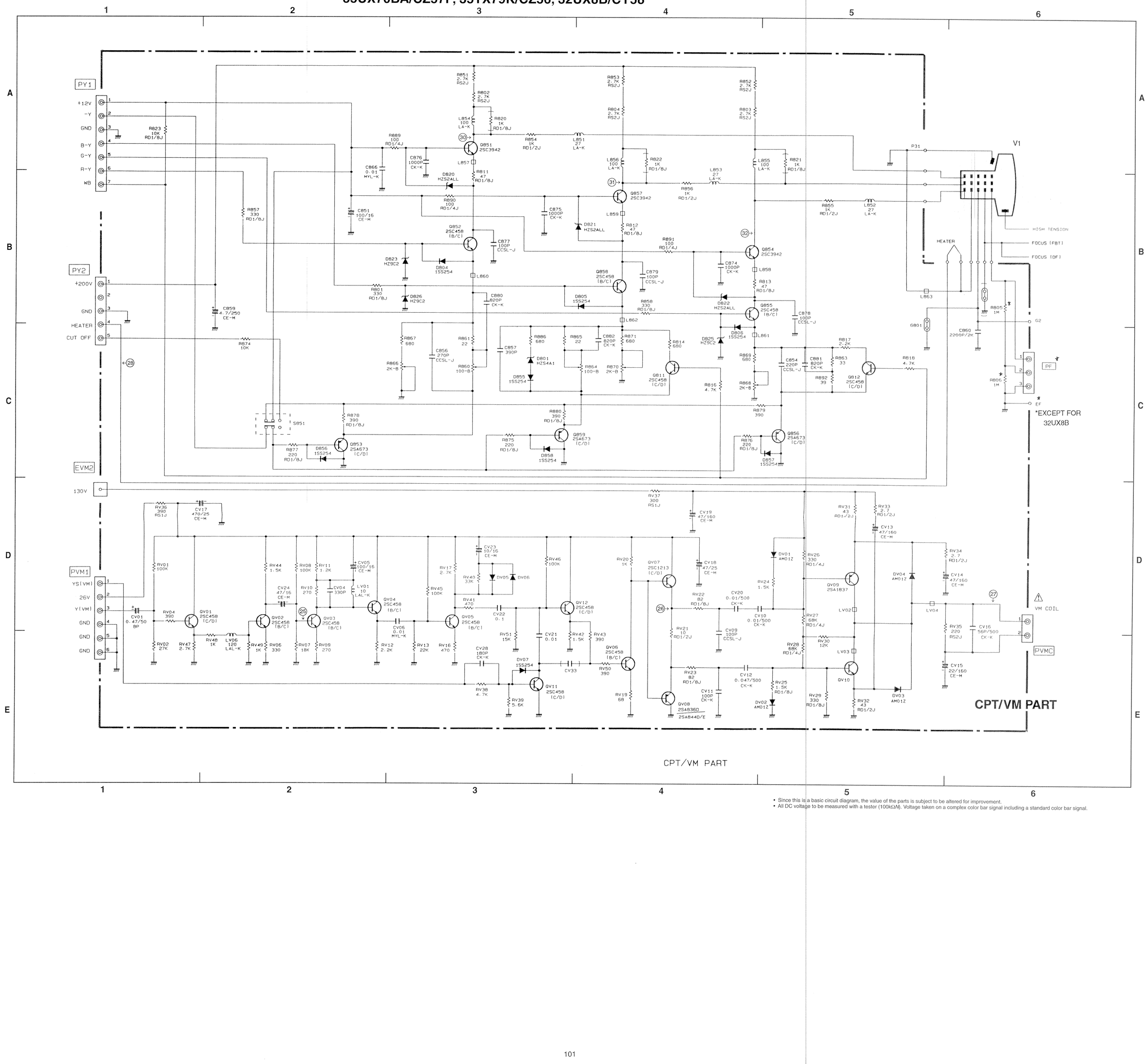

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35UX70BA/CZ57P, 35TX79K/CZ56, 32UX8B/CY58

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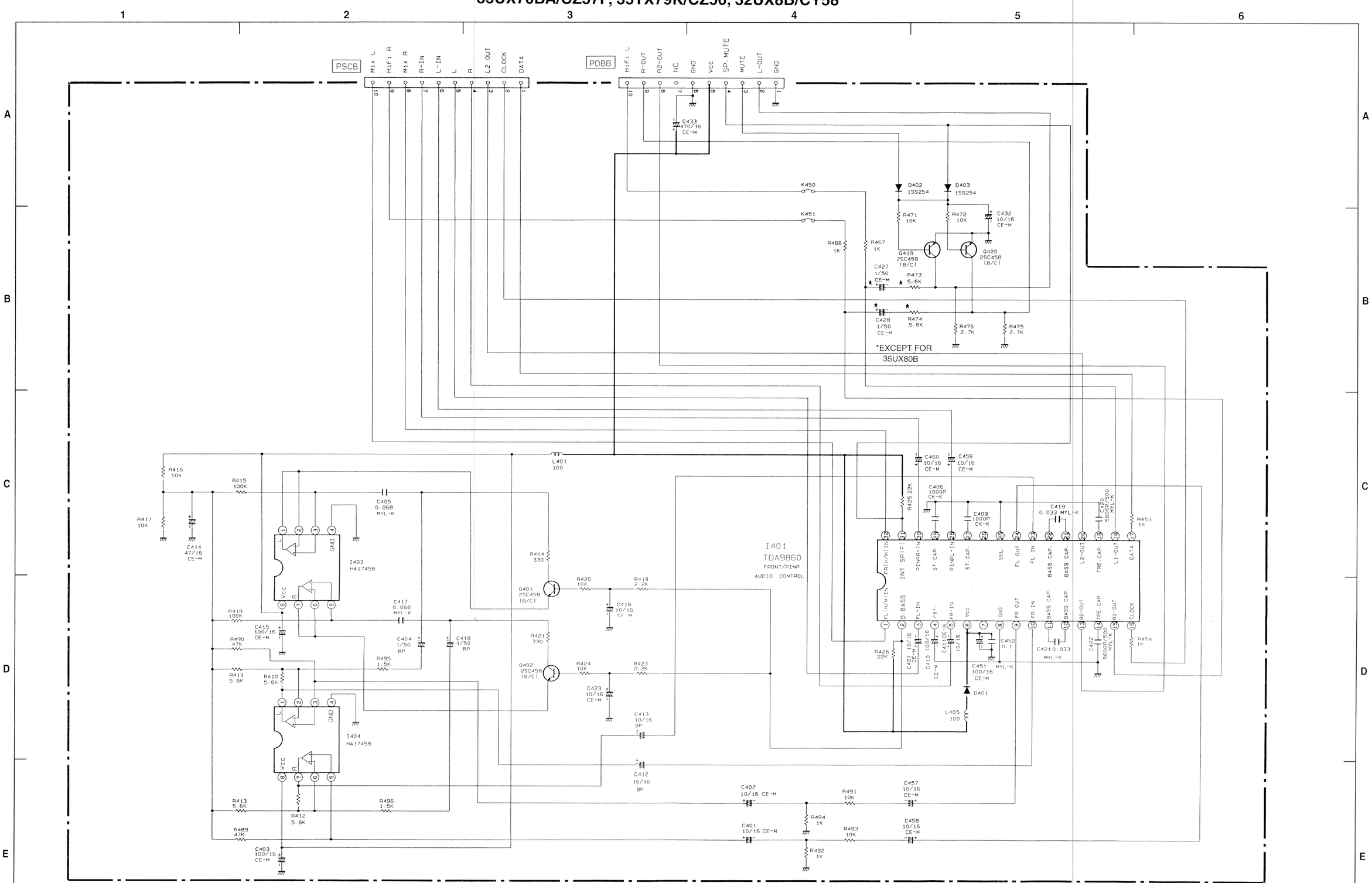

DYNAMIC BASS/SOUND CONTROL PART

DYNAMIC BASS SOUND CONTROL PART

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35UX70BA/CZ57P, 32UX8B/CY58

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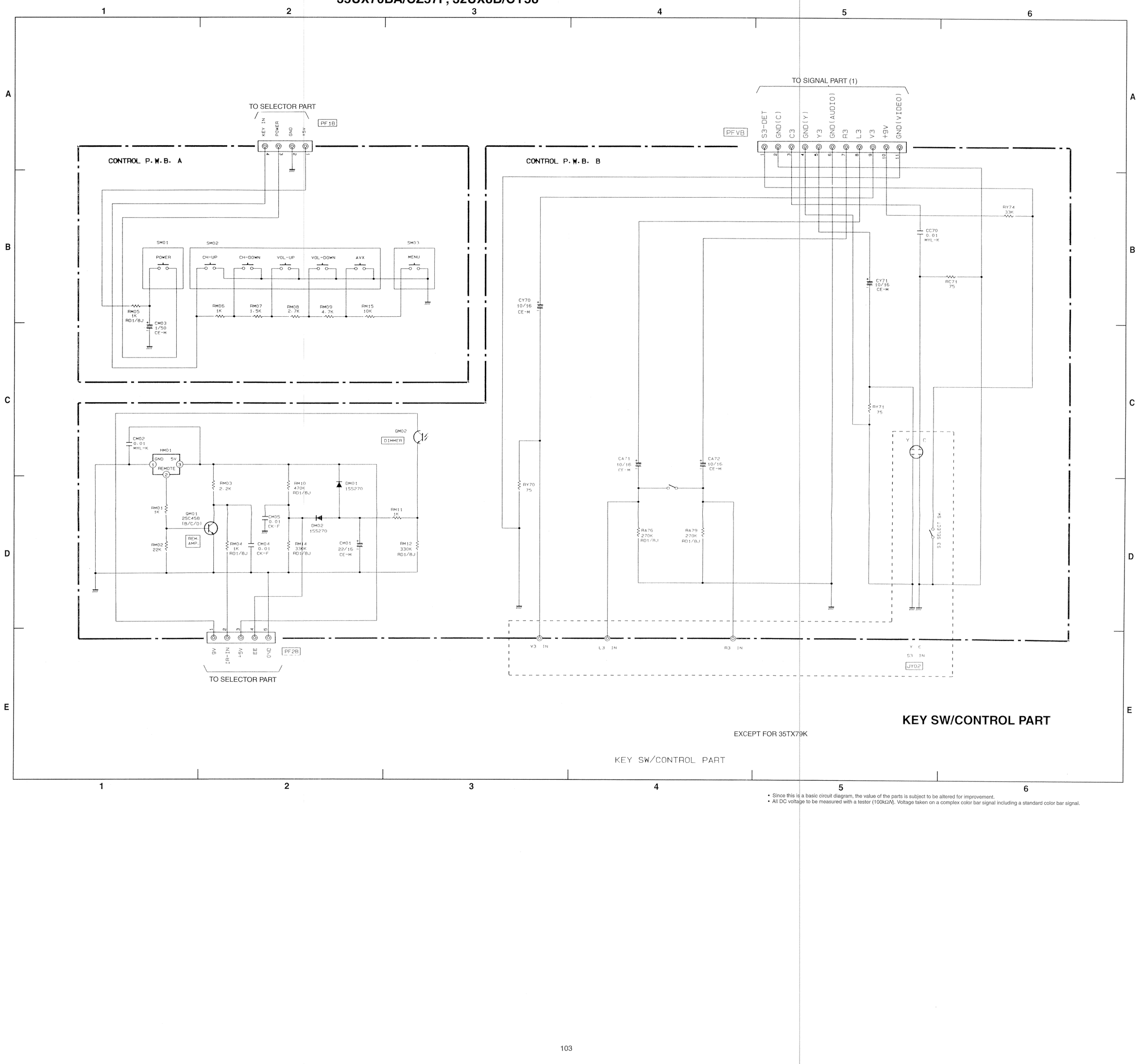

KEY SW/CONTROL PART

EXCEPT FOR 35TX79K

KEY SW/CONTROL PART

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CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35UX70BA/CZ57P, 35TX79K/CZ56, 32UX8B/CY58

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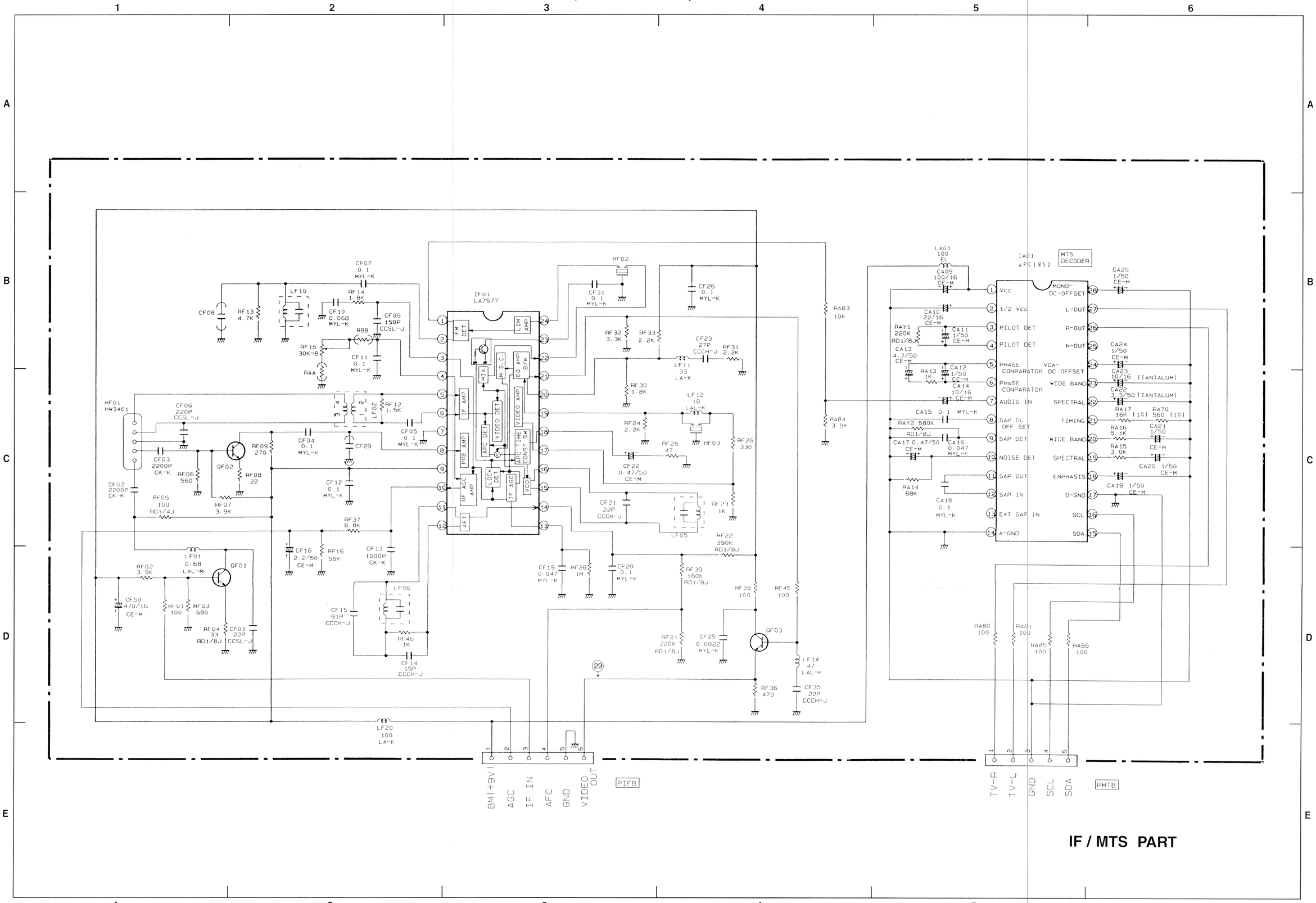

IF / MTS PART

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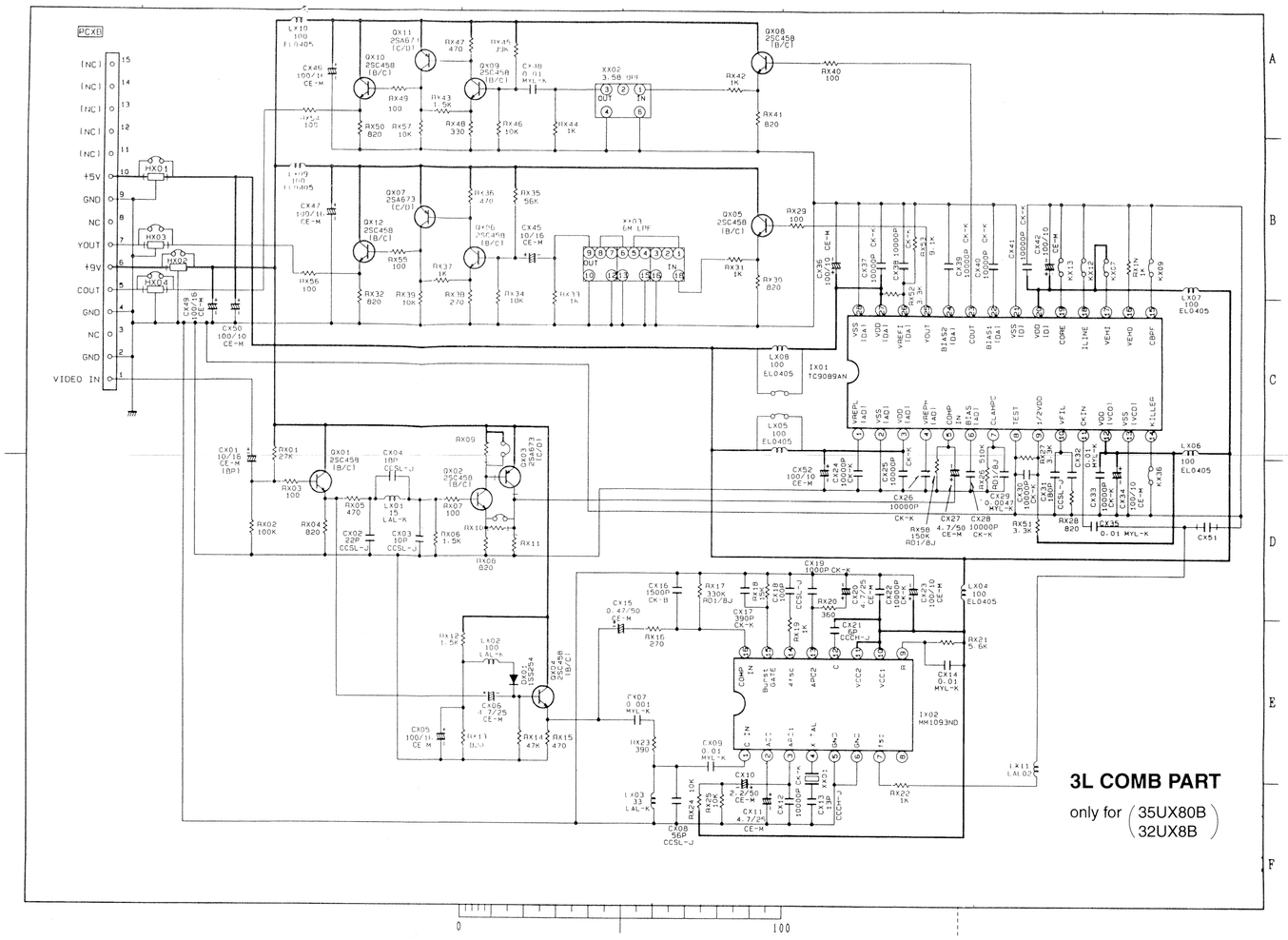
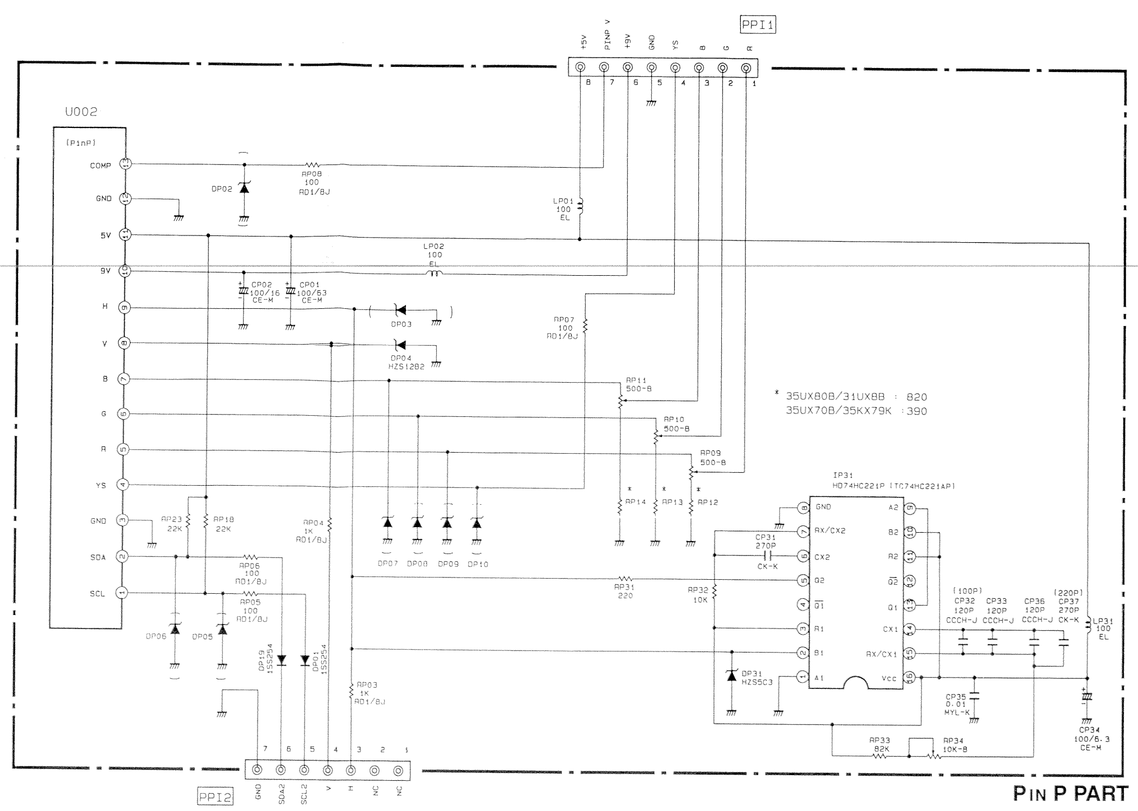
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 32UX8B/CY58



CIRCUIT SCHEMATIC DIAGRAM OF 35UX80B/CZ58, 35UX70B/CZ57, 35UX70BA/CZ57P, 35TX79K/CZ56, 32UX8B/CY58



• Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
• All DC voltage to be measured with a tester (10KΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded 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.

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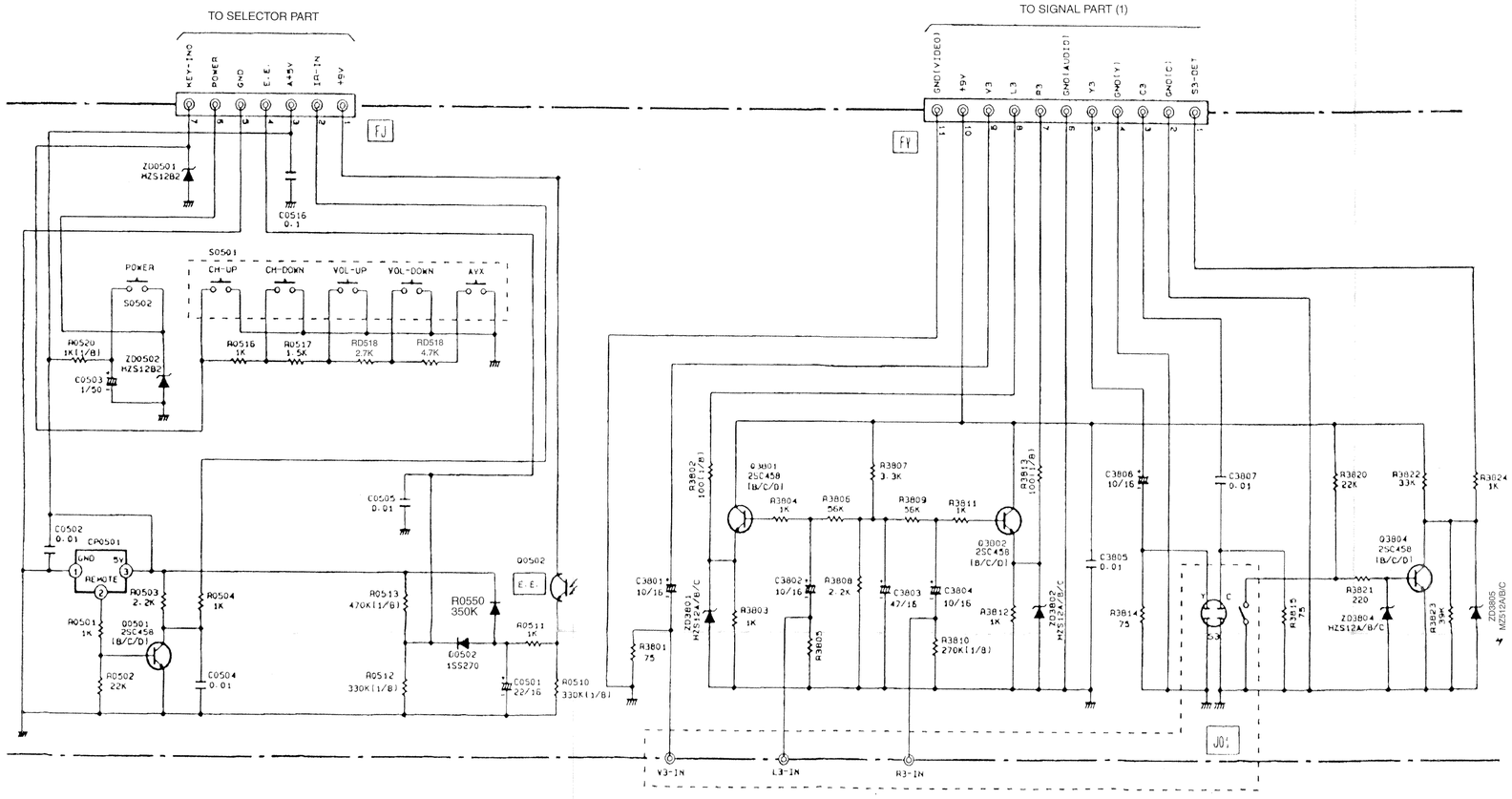
CIRCUIT SCHEMATIC DIAGRAM OF 35TX79K/CZ56



KEY SW/CONTROL PART (35TX79K ONLY)

KEY SW/CONTROL PART

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

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