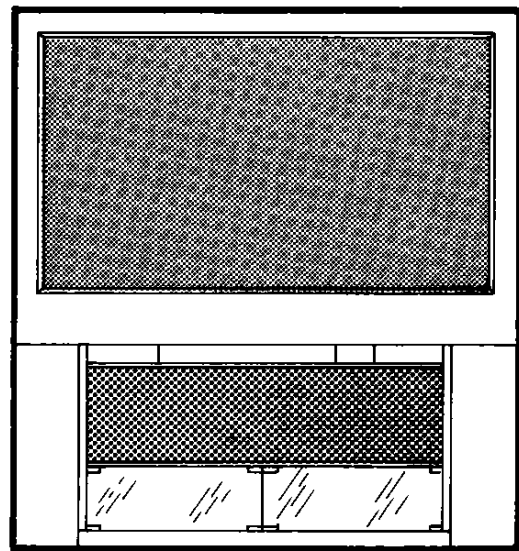


TOSHIBA

PROJECTION TELEVISION

TW56D90

(TAC9490)



X-RAY RADIATION PRECAUTION

1. Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit. The nominal value of the high voltage of this receiver is 31.5 kV at zero beam current (minimum brightness) under a 120V AC power source. The high voltage must not, under any circumstances, exceed 32.0 kV. Each time a receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended that the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.
2. This receiver is equipped with a Fail Safe (FS) circuit which prevents the receiver from producing

an excessively high voltage even if the B+ voltage increases abnormally. Each time the receiver is serviced, the FS circuit must be checked to determine that the circuit is properly functioning, following the FS CIRCUIT CHECK procedure in this manual.

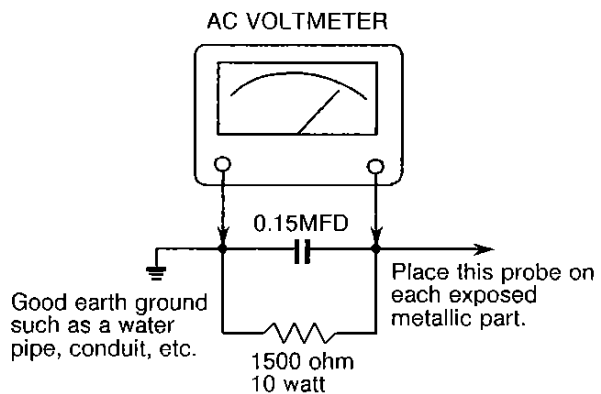
3. The only source of X-RAY RADIATION in this TV receiver is the picture tube. For continued X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
4. Some part in this receiver have special safety-related characteristics for X-RAY RADIATION protection. For continued safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

SAFETY PRECAUTION

WARNING : Service should not be attempted by anyone unfamiliar with the necessary precautions on this receiver. The following are the necessary precautions to be observed before servicing this chassis.

1. An isolation Transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Always discharge the picture tube anode to the CRT conductive coating before handling the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatter proof goggles and keep picture tube away from the unprotected body while handling.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.
4. Before returning the set to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as antennas, terminals, screwheads, metal overlays, control shafts etc. to be sure the set is safe to operate without danger of electrical shock. Plug the AC line cord directly into a 120V AC outlet (do not use a line isolation transformer during this check). Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner:

Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 mfd, AC type capacitor, between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and 0.15 mfd capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.3 volts RMS. This corresponds to 0.2 milliamp. AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols on the schematic diagram and the parts list.

Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-ray radiation or other hazards.

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SPECIFICATIONS

TELEVISION SYSTEM	NTSC standard
CHANNEL COVERAGE	VHF: 2 through 13 UHF: 14 through 69 Cable TV: mid band (A-8 through A-1, A through I) super band (J through W) hyper band (AA through ZZ, AAA, BBB) ultra band (65 through 94, 100 through 125)
POWER SOURCE	120 V AC, 60 Hz
POWER CONSUMPTION	283 W (average)
AUDIO POWER	Front: 14 W + 14 W Center: 10 W + 10 W Rear: 10 W + 10 W
SPEAKER TYPE	Main: Two 6-1/4 inches round Surround: Two 4 inches round
VIDEO/AUDIO TERMINALS	S-VIDEO INPUT (VIDEO 1/VIDEO 3) Y-INPUT: 1 V (p-p), 75 ohm, negative sync. C-INPUT: 0.286 V (p-p) (burst signal), 75 ohm VIDEO 1/VIDEO 2/VIDEO 3 INPUT VIDEO: 1 V (p-p), 75 ohm, negative sync. AUDIO: 150 mV (rms) (30% modulation, 47k ohm) VIDEO/AUDIO OUTPUT VIDEO: 1 V (p-p), 75 ohm, negative sync. AUDIO: 150 mV (rms) (30% modulation, 4.7k ohm) VARIABLE AUDIO OUTPUT 0-350 mV (rms) (30% modulation, 4.7k ohm) EXTERNAL SPEAKER TERMINALS Accept speakers of impedance 8 ohm, input power 14 W or greater REAR SPEAKER TERMINALS Accept the supplied Surround Speakers only
DIMENSIONS	Width: 55 inches (1395 mm) Height: 59 inches (1497 mm) Depth: 25 inches (635 mm)
MASS	286 lbs (130 kg)
FEATURES	16:9 56-inch diagonal screen, Frequency synthesized tuning system, 181-channel VHF/UHF/CABLE multi-tuner, 51-key learning-universal remote control, 7-key EZ remote control, Multi-channel TV sound reception, 4-speaker system with 2-rear speakers, 2-tuner PIP, 4-channel DSP, Dolby Pro Logic Surround, Digital Comb filter, Sub-Bass System, Closed Captioning

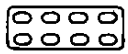
Design and specifications are subject to change without notice.



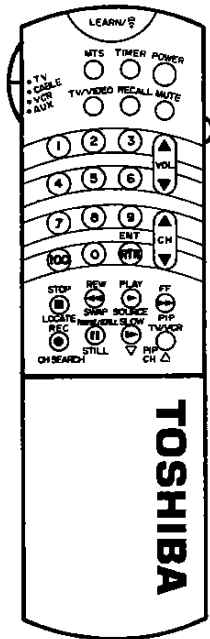
SUPPLIED ACCESSORIES



Two "AA" size
alkaline
batteries



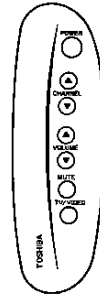
Template



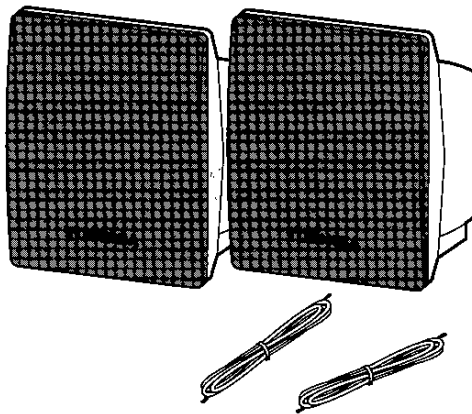
Remote Control



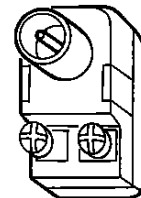
Two "AAA"
size batteries



EZ Remote Control



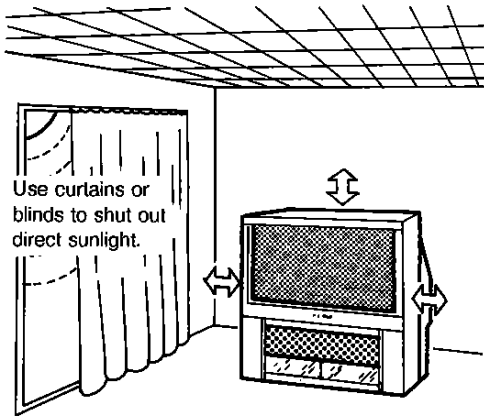
Surround Speakers with cables



Antenna Adapter

INSTALLATION (To install the TV)

Downward spot lights or fluorescent lights in an overhead "Honeycomb" prevent direct illumination of the screen.



If you install the TV close to a wall, keep enough space (≈ 10 inches or more) around the TV.

Where to install

Place the TV on the floor or on a sturdy platform. The mounting surface should be flat and steady. When placing the TV on a soft floor, make sure that the floor is not damaged by the weight of the TV.

Air Circulation

Place the TV far enough from the walls to allow proper ventilation. This will prevent the TV from overheating and avoid possible damage to the TV. Avoid dusty places too.

Heat Damage

Damage may occur if you leave the TV in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or to temperatures of 41 °F (5 °C) or lower.

Power Supply

Plug into an electrical outlet with standard household power (120 volt AC, 60 Hz). Do not change the plug's safety prong.

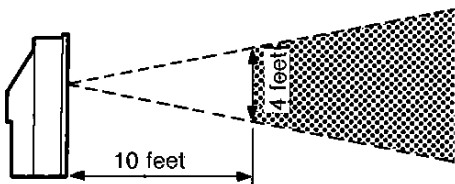
Moisture Condensation

If the room temperature suddenly rises (or if the TV is moved from a cool place to a hot place), dew condensation may occur on the lenses, resulting in picture distortion or color fading. In such a case, simply wait a while (with the power on) and the dew will disappear.

Best Viewing

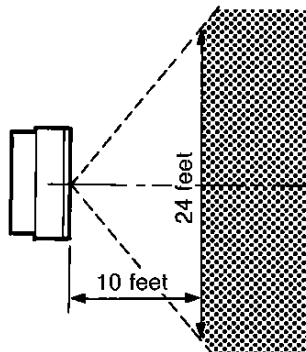
Position the TV approximately 10–25 feet away. Sitting too far to the left or right of the screen will cause the picture to appear dull as will direct sunlight and/or room lights. Turn the TV off to check for reflections on the screen. Then remove any source of reflections when viewing.

VERTICAL VIEWING ANGLE [SIDE VIEW]



■ Viewing Range

HORIZONTAL VIEWING ANGLE [TOP VIEW]



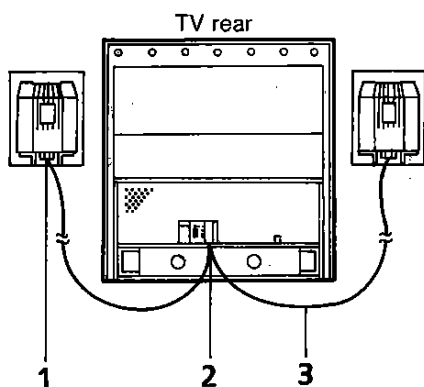
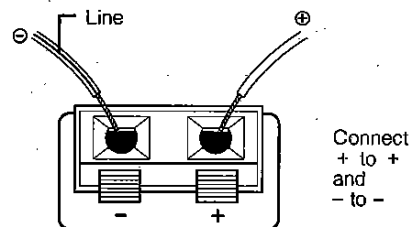
■ Viewing Range

INSTALLATION (To set up the Surround Speakers)

- The Surround Speakers are packed in a separate box inside this container. Unpack the Speakers carefully and set them up as shown below.

Connection

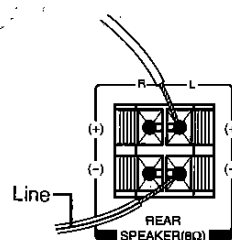
- Connect one end of the speaker cable to the terminals on the Surround Speaker.



- Connect the other end of the speaker cable to the "REAR SPEAKER" terminals* on the TV rear panel. While depressing the button, insert the cable. Then, release the button.

* Note:

The REAR SPEAKER terminals can be used only for the supplied speakers. Do not connect any other speakers to these terminals.



- Connect another speaker following steps 1 and 2 above.

Mounting position

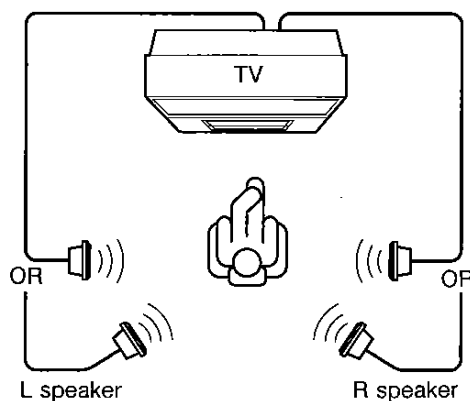
To enjoy the sound of the DSP Surround or Dolby Pro Logic Surround features, you must mount the speakers to the left and right, on a shelf or on a wall behind your normal viewing position.

Note:

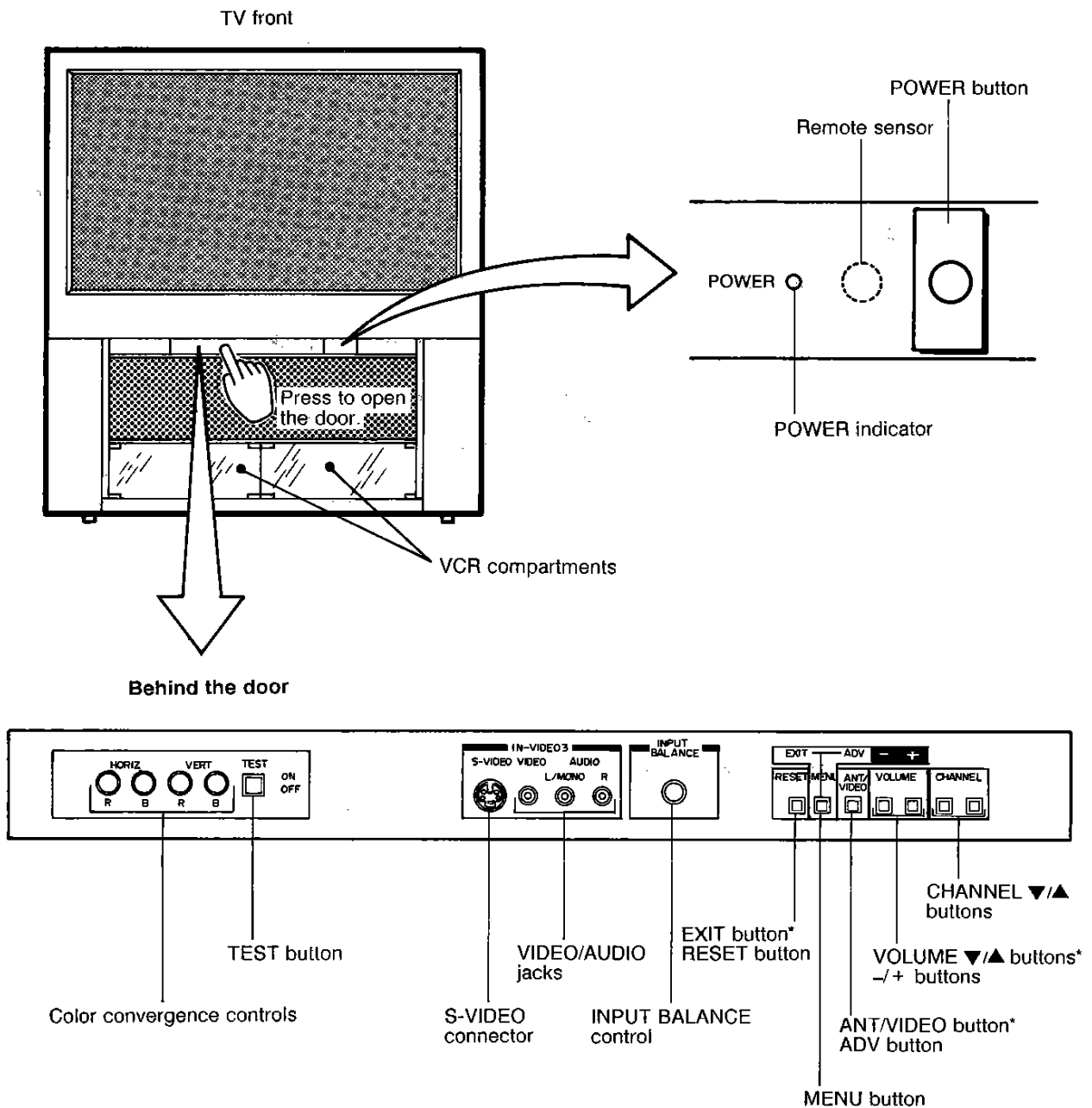
You can get the best surround performance when you install the speakers slightly above your viewing position while watching TV.

CAUTIONS:

- If the speakers are mounted on a wall, hang them from the opening provided on their back panels.
- Care should be taken when choosing speaker mounting hardware to insure compatibility with the material of the wall. Do not use mounting hardware with thin and/or soft wall materials, as the speaker may fall and cause personal injury or be damaged.

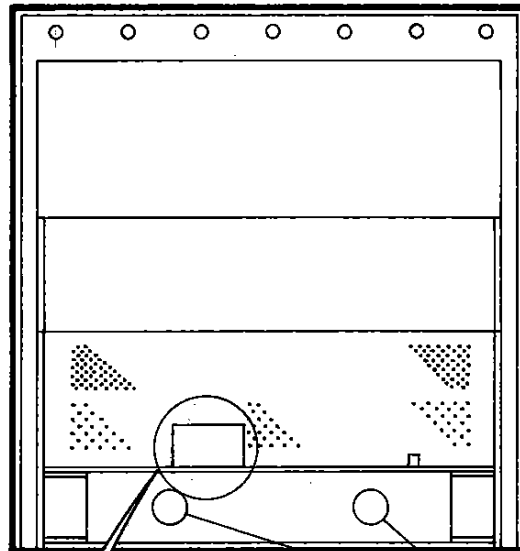


LOCATION OF CONTROLS (TV set)

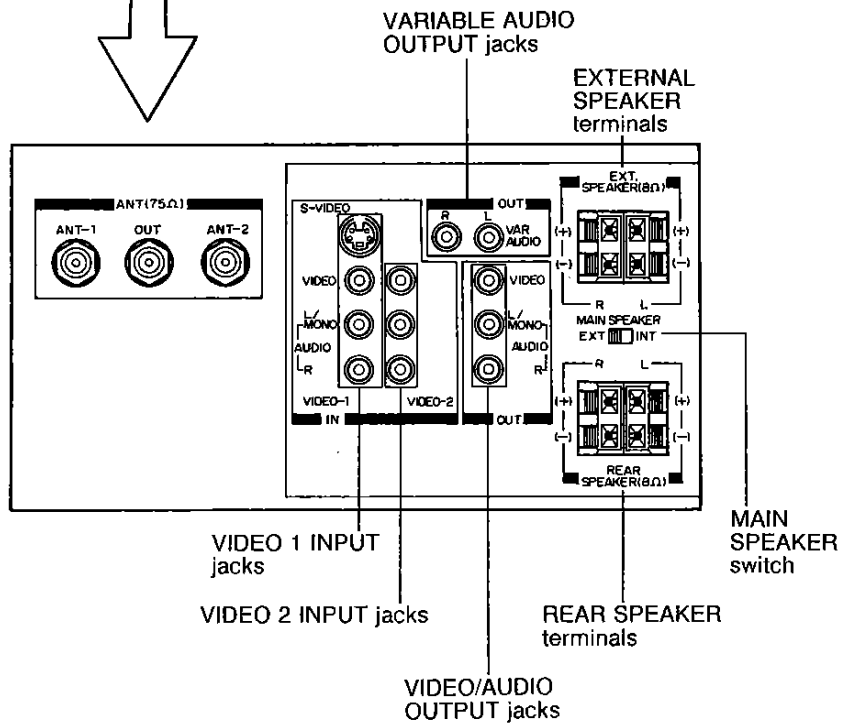


* These buttons have dual functions.

TV rear

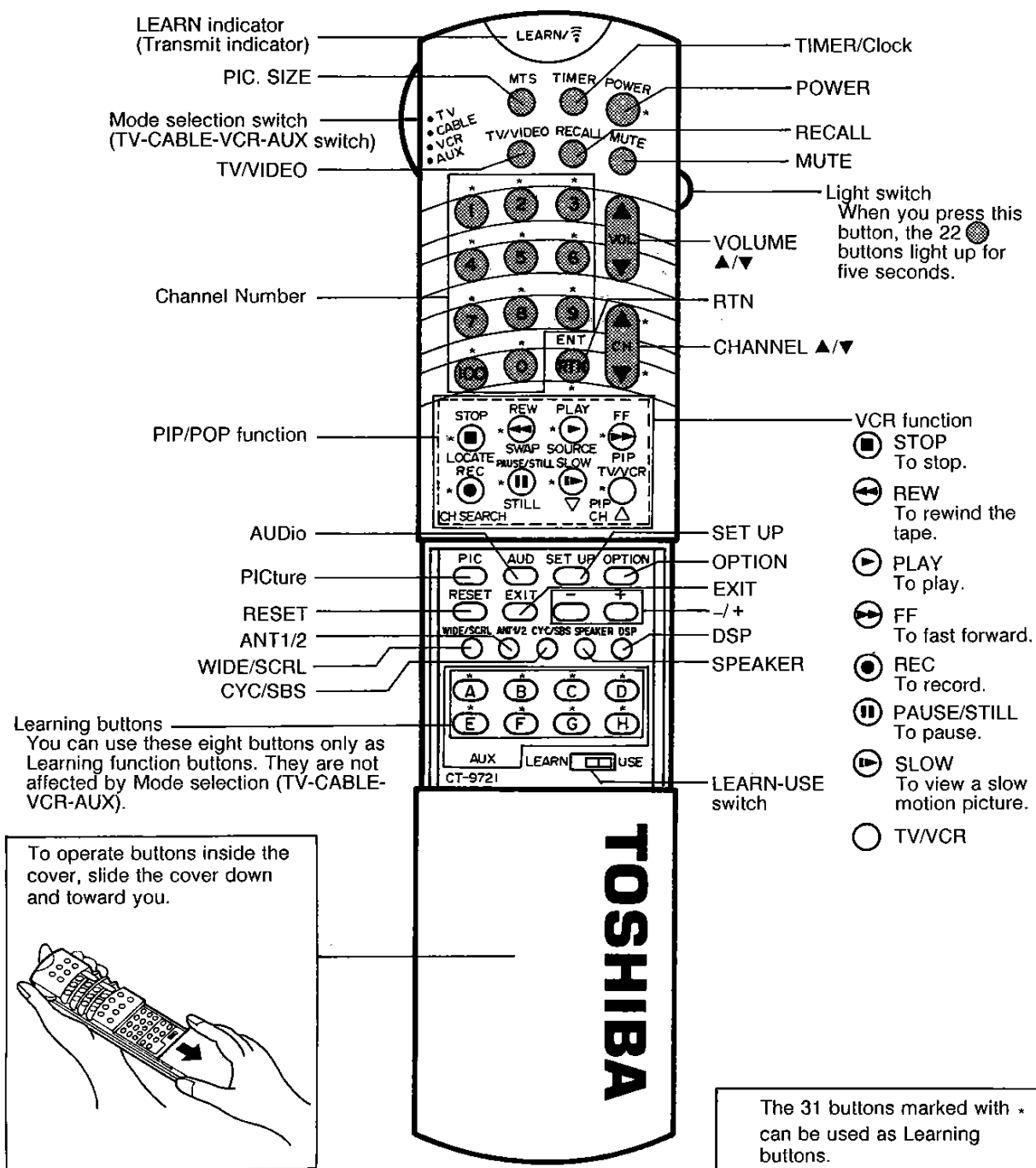


These openings are for connecting the VCR or other installed equipment.



LOCATION OF CONTROLS (Remote Control)

- See the table on the next page, "To operate desired equipment", describing activation of specific buttons or Mode Selection. (Refer to the owner's manual supplied with the VCR for details about the VCR function buttons.)

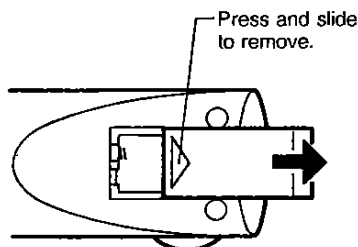


USING THE REMOTE CONTROL

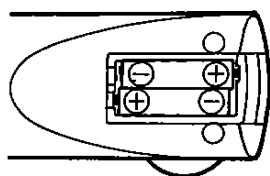
- With this Remote Control, you can operate your TV and most models of remote-controlled VCR's and cable TV converters even if they are different brands. See next page.

BATTERY INSTALLATION

1. Place the Remote Control face down and remove the battery cover.



2. Insert two "AA" size alkaline batteries, matching the + and - signs on each battery with the + and - signs of the battery compartment.



3. Slide the battery cover shut until the lock snaps.

CAUTIONS:

- Do not throw your batteries into a fire. Dispose of your batteries in a designated disposal area.
- Do not combine used batteries with new ones.
- Do not mix battery types.

TIPS FOR BEST OPERATION

- For optimum performance, aim the Remote Control directly at the TV, from a distance within 28 feet (8.5m) and be sure there is no obstruction between the Remote Control and the TV.
- If your Remote Control does not always adjust the TV as you wish, you probably need to replace the batteries. Use alkaline batteries for longer use.
- If the Remote Control will not be used for a long period of time or when the batteries are worn out, remove the batteries to prevent leakage.
- Do not drop, dampen or disassemble the Remote Control.

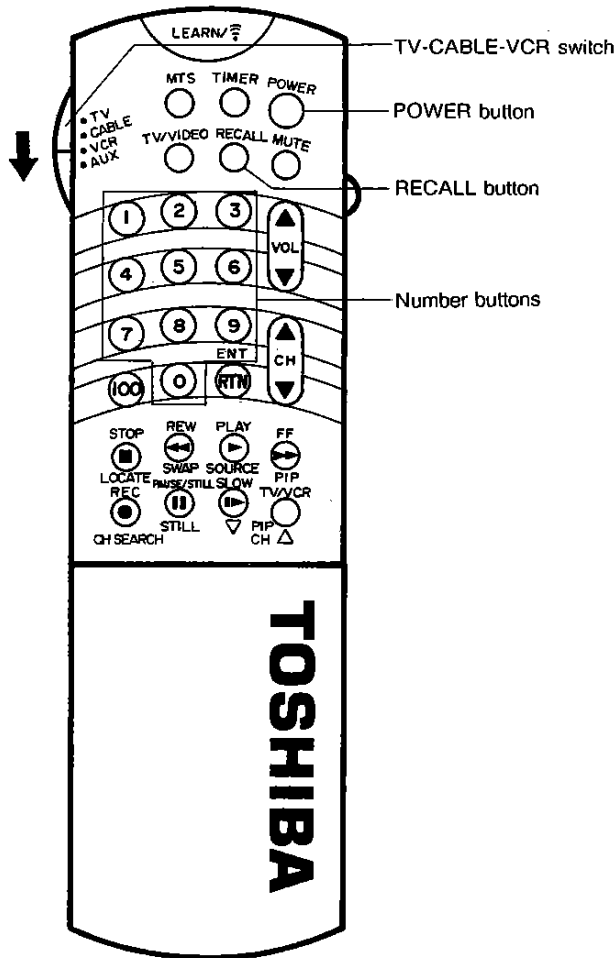
TO OPERATE DESIRED EQUIPMENT

When you want to operate	Set the Mode selection switch to	You can use
TV	TV	all the buttons
Cable TV Converter	CABLE	<ul style="list-style-type: none"> • POWER button • CHANNEL ▲/▼ buttons • Channel Number buttons • RTN button
VCR	VCR	<ul style="list-style-type: none"> • POWER button • CHANNEL ▲/▼ buttons • Channel Number buttons • VCR function buttons • RTN button
Other Video/Audio Equipment (REMOTE Video Disc Players, stereo systems or additional VCR's, etc.)	AUX	as Learning buttons; <ul style="list-style-type: none"> • POWER button • CHANNEL ▲/▼ buttons • Channel Number buttons • VCR function buttons • RTN button

The function buttons not listed in the table above operate the TV as usual.

PROGRAMMING THE REMOTE CONTROL

- This Remote Control is preprogrammed to operate Toshiba VCR's.
- To use VCR's other than Toshiba models (or Cable converters), perform the following procedures before operating.
- When you connect several pieces of video/audio equipment to the TV, follow the instructions on page 16.



TO PROGRAM THE REMOTE CONTROL

1. Refer to the "VCR CODE TABLE" (or "CABLE TV CONVERTER CODE TABLE") on pages 13 to 15 to find the code number that corresponds to the brand name of your VCR (or your converter).
If more than one number is listed, try each one separately until you find the one that works.

2. Set the Mode selection switch to VCR (or CABLE).

3. Hold down RECALL while pressing the Number buttons for the three digit code number for your brand of VCR (or converter).
The transmit indicator lights up for 1 second when the programming is completed.

When an operation error has occurred, the indicator blinks.

Press RECALL again to reset.

4. Point the Remote Control at the VCR (or at the converter) and press POWER to test the code number.
— If the right number was entered, the VCR should turn on.
— If the VCR does not respond to the Remote Control, repeat steps 1 to 4 with another code number.

Follow the instructions on page 16 if the VCR does not respond, even though you have programmed the Remote Control following steps 1 to 4 above.

Note:

- You have to reprogram the Remote Control when you change its batteries.
- Some newer VCR's are capable of working on either of two remote codes. These VCR's have a switch labeled "VCR1/VCR2".

If your VCR has this kind of switch, and does not respond to all the code numbers for your VCR brand name, set the switch to another position ("VCR1" or "VCR2") and reprogram the Remote Control.

For future reference, write the code you set.

VCR CODE: _____

CABLE CODE: _____

VCR CODE TABLE

BRAND NAME	CODE NUMBER	BRAND NAME	CODE NUMBER
Aiko	297	Graetz.....	060, 123
Aiwa.....	019	Granada	065, 100, 123
Akai.....	060, 068, 080, 125, 261	Grundig	100
Alba	039, 228, 297	Harman/Kardon	057
Amstrad.....	019	Hem	091
Anitech	091	Hinari	091, 227
ASA	056, 100	Hitachi	019, 060, 061, 084, 124
Audiovox	056	Imperial	019
Baird.....	123	Interfunk	100
Bell & Howell	123	ITT	060, 065, 123, 125
Broksonic	140, 203, 230	JCL	054
Bush	091, 228, 297	Jensen.....	060
Canon	054	JVC.....	027, 060, 086
Capehart	039	Kendo.....	125
Carver.....	100	Kenwood	057, 060, 065, 086
CCE.....	091, 297	Lloyd	019
CGE.....	019	Loewe.....	056
Cimline	091	Loewe Opta	100
Condor	039	Logik.....	091, 259
Craig	066, 259	Luxor	062, 065, 125
Crown.....	297	LXI	056
Curtis Mathes	054	Magnavox	019, 054, 100, 129, 168
Daewoo	039, 064, 065, 297	Manesth	064, 091
Dansai	091	Marantz	054, 057, 081, 100
Daytron	039	Marta	056
De Graaf.....	061	Matsui.....	227, 228
Decca	019, 100	MEI.....	054
Dual	060	Memorex.....	019, 054, 056, 058, 065, 066, 067, 123
Dumont	019, 100, 123, 124	MGA	062, 080
Dynatech.....	019	Minolta	061, 124
Electronic.....	019	Mitsubishi	062, 080, 086, 100, 192, 233, 261
Emerson.....	019, 021, 056, 080, 140, 203, 227, 228, 230, 231, 313	MTC	019, 259
ESC	297	Multitech	019, 091
Ferguson.....	060	Murphy.....	019
Fidelity	019	NEC.....	057, 059, 060, 069, 086
Finlandia	100, 123, 129	Neckermann	100
Finlux.....	019, 061, 100, 123, 124	Nikko	056
First Line.....	062, 091	Noblex.....	259
Fisher	065, 066, 073, 085, 123	Nokia	060, 065, 123, 125, 259
Frontech.....	039	Nordmende.....	060
Funai	019	Optonica.....	067, 081
GE	054, 079, 084	Orion.....	140, 227, 228
GEC.....	100	Osaki	019, 056, 091
General	071	Otto Versand	100
Go Video.....	251, 298	Pallidium	091
Goldstar	056, 057	Panasonic	054, 096, 244
Goodmans	019, 039, 056, 081, 091, 297	Penney	054, 056, 057, 059, 061, 259
Gradiente	019		

VCR CODE TABLE

BRAND NAME	CODE NUMBER	BRAND NAME	CODE NUMBER
Pentax	061, 084, 124	SEI	100
Perdio	019	Sentra	039
Philco	054	Sharp	067, 081
Philips	054, 081, 100, 129	Shintom	091
Phonola	100	Siemens	056, 123
Pilot	056	Sinudyne	100
Pioneer	086, 100	Sony	051, 052, 053, 054
Portland	039	STS	061
Proline	019	Sunstar	019
Pulsar	058	Sylvania	054, 062, 100, 129
Pye	100	Symphonic	019
Quartz	065	Tashiko	019
Quasar	054, 115	Tatung	019, 060, 100
Quelle	100	Teac	019, 060
Radiola	100	Technics	054
RCA	054, 061, 084, 096, 124, 168, 221	Teknika	019, 054, 056, 071
RCA Unified	079	Telefunken	060, 206
Realistic	019, 054, 056, 065, 066, 067, 081, 085, 123, 259	Tenosai	091
Rex	060	Tensai	019
Ricoh	053	Thomson	060
Roadstar	056, 091, 259	Thorn	060
Runco	058	Toshiba	060, 062, 064, 085, 229, 231, 385
Saba	060	Totevision	056, 259
Saisho	227, 228	Triumph	227
Salora	062, 065, 125	Unitech	259
Samsung	064, 259	Universum	019, 056, 068, 100, 125
Sansui	060, 086	Vector Research	057, 059
Sanyo	065, 066, 123, 259	Victor	027, 060, 086
SBR	100	Video Concepts	059, 080
Schaub Lorenz	019, 060	Videosonic	259
Schneider	019, 091, 100, 129	Wards	019, 054, 061, 066, 067, 081, 091, 168, 231, 259
Scott	064, 140, 203, 229, 231	Yamaha	057, 060
Sears	054, 056, 061, 065, 066, 073, 085, 123, 124	Yoko	259
		Zenith	052, 053, 058

CABLE TV CONVERTER CODE TABLE

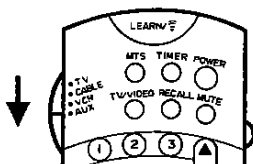
BRAND NAME	CODE NUMBER	BRAND NAME	CODE NUMBER
ABC	026, 030, 032, 036	Pulsar	019
Archer	058, 172	PVP Stereo Visual Matrix	022
Century	172	RCA	040
Citizen	172	Regal	039, 278, 292
Colour Voice	044, 050	Regency	021
Comtronics	059, 079	Rembrandt	089
Eastern	021	Runco	019
Garrard	172	Samsung	059, 163
Gemini	034, 089	Scientific Atlanta	025, 027, 036, 296
General Instrument	030	Signal	034, 059
Hamlin	028, 039, 278, 292	Signature	030
Hitachi	030	SL Marx	059
Jasco	172	Sprucer	040
Jerrold	022, 030, 031, 033, 034, 043, 045	Standard Components	174
Macom	052	Starcom	022, 034
Magnavox	046	Stargate	034, 059
Memorex	019	STS	175
Movie Time	175	Tocom	031, 032, 078
NSC	089, 175	Toshiba	019
Oak	026, 038	Unika	172
Panasonic	040	United Artists	026
Paragon	019	United Cable	022
Philips	044, 046, 047, 048, 049, 050, 079	Universal	058, 096, 172, 210
Pioneer	163	Viewstar	046, 079
		Zenith	019

PROGRAMMING THE REMOTE CONTROL (Continued)

- This Remote Control is capable of learning operating codes from most infrared remote control transmitters. You can control the functions of your TV and a variety of video/audio equipment with the supplied Remote Control only.
- The 31 buttons can be used as Learning buttons. (See page 10.)

TO LEARN OPERATING CODE OF ANOTHER REMOTE CONTROL

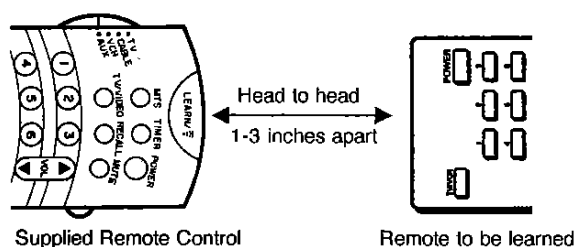
1. Set the Mode selection switch to AUX.



2. Set the LEARN-USE switch to LEARN.



3. Place the supplied Remote Control and the remote control transmitter to be learned, head to head approximately 1 to 3 inches (3 to 8cm) apart.



4. Hold down the button to learn on the supplied Remote Control for about 1 second until the LEARN indicator lights up.

Note:

When you press a button other than Learning button, the indicator will blink. For specific Learning buttons in specific modes, see the table "To operate desired equipment" on page 11.

5. Hold down the function button to be learned on the remote control transmitter for about 3 seconds until the LEARN indicator goes off.

Note:

If the LEARN indicator goes off after blinking, the supplied Remote Control cannot learn the operating code or an error has occurred. Try steps 4 and 5 again.

6. Repeat steps 4 and 5 for other function keys.

7. Set the LEARN-USE switch to USE.

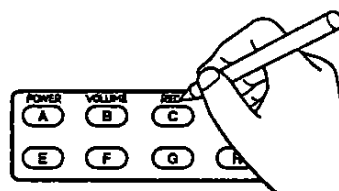


8. To check your programming, operate the appropriate equipment with the supplied Remote Control. If the equipment does not operate as expected, repeat steps 1 to 7.

If needed, try changing the distance between the two remote controls.

9. Attach the supplied template to the Remote Control to enter the function names of the AUX buttons you have programmed.

Use a ballpoint pen, etc. to write the function names.



To cancel the learned operating codes

1. Set the Mode selection switch to AUX.

2. Set the LEARN-USE switch to LEARN.

3. Hold down the button of the function to cancel on the Remote Control for about 1 second until the LEARN indicator lights up.

4. Hold down RECALL and RESET at the same time for about 6 seconds until the LEARN indicator goes off after blinking.

Note:

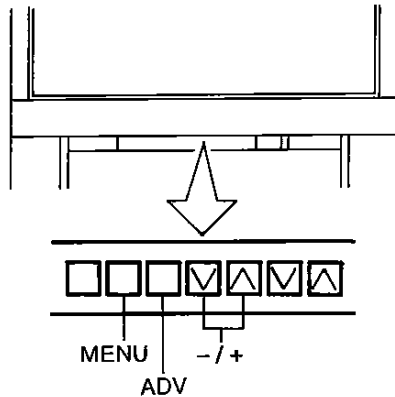
You cannot cancel the programming if you release the button while the indicator is blinking.

5. Set the LEARN-USE switch to USE.

MENU FUNCTION (General Instructions)

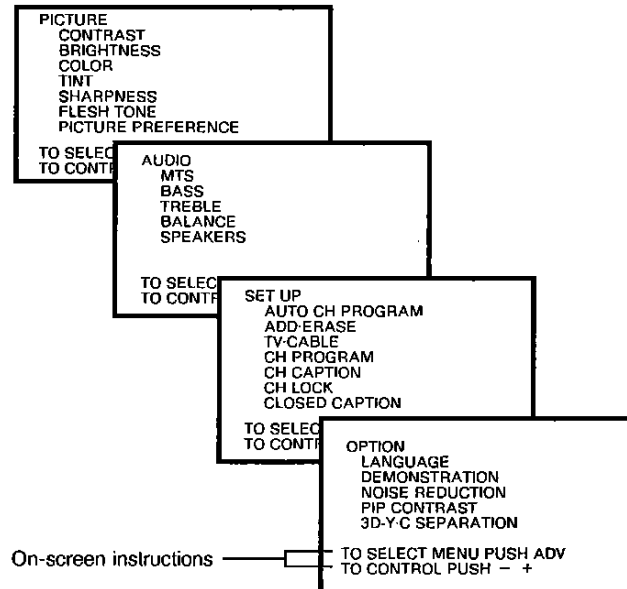
- We recommend that you familiarize yourself with these procedures for using the Menu function.

TO USE MENU FUNCTION BUTTONS ON THE TV



MENU BUTTON

Each time you press MENU, the PICTURE, AUDIO, SET UP or OPTION menu on-screen display is selected in order.



ADV BUTTON

Use the ADV button after you have pressed MENU to select the function you want to adjust.

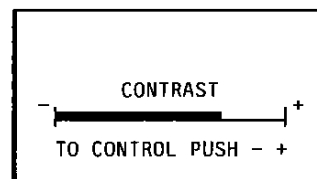
Each time you press ADV, the function to be adjusted will be selected in numerical order.

The selected function will be displayed in magenta.

- / + BUTTONS

Use these - / + buttons after you have pressed ADV or any of the four menu buttons (PICTURE, AUDIO, SET UP or OPTION).

Example: CONTRAST adjustment mode display



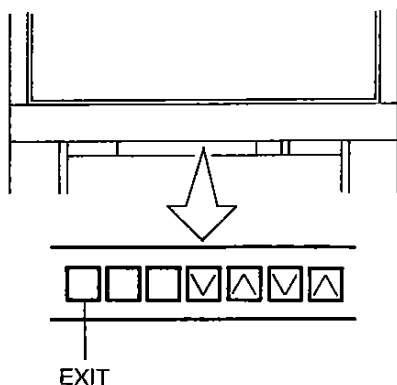
Pressing + increases the picture contrast.

Pressing - decreases the picture contrast.

Notes:

- The on-screen instructions will appear under each menu display for easy step-by-step operation.
- The ADV button on the TV functions as the ANT/VIDEO button when no menu display is on the screen.
- The - / + buttons on the TV function as the VOLUME ▼ / ▲ buttons when no menu display is on the screen.
- The EXIT button on the TV functions as the RESET button when there is no on-screen display.

TO USE THE MENU FUNCTION BUTTONS ON THE REMOTE CONTROL



PIC(Picture) BUTTON

Press PIC repeatedly until the PICTURE menu function you want to adjust is selected.

The selected function will be displayed in magenta, then press -/+ to adjust the setting.

PICTURE
CONTRAST
BRIGHTNESS
COLOR
TINT
SHARPNESS
FLESH TONE
PICTURE PREFERENCE
TO SELECT MENU
PUSH PIC
TO CONTROL PUSH - +

AUD(Audio) BUTTON

Press aud repeatedly until the AUDIO menu function you want to adjust is selected.

The selected function will be displayed in magenta, then press -/+ to adjust the setting.

AUDIO
MTS
BASS
TREBLE
BALANCE
SPEAKERS
TO SELECT MENU
PUSH AUD
TO CONTROL PUSH - +

SET UP BUTTON

Press SET UP repeatedly until the SET UP menu function you want to adjust is selected.

The selected function will be displayed in magenta, then press -/+ to adjust the setting.

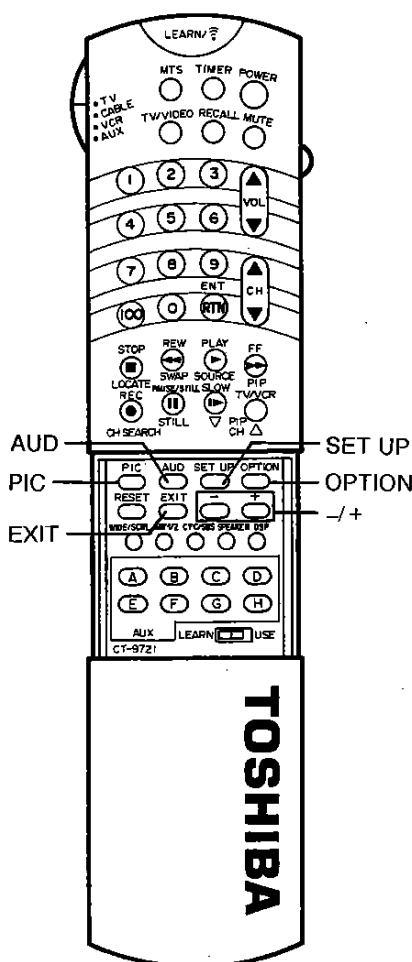
SET UP
AUTO CH PROGRAM
ADD-ERASE
TV-CABLE
CH PROGRAM
CH CAPTION
CH LOCK
CLOSED CAPTION
TO SELECT MENU
PUSH SET UP
TO CONTROL PUSH - +

OPTION BUTTON

Press OPTION repeatedly until the OPTION menu function you want to adjust is selected.

The selected function will be displayed in magenta, then press -/+ to adjust the setting.

OPTION
LANGUAGE
DEMONSTRATION
NOISE REDUCTION
PIP CONTRAST
3D-Y-C SEPARATION
TO SELECT MENU
PUSH OPTION
TO CONTROL PUSH - +



EXIT BUTTON (on the TV and on the Remote Control)

The above four menu displays will automatically disappear from the screen if no control has been operated for about 15 seconds, and all other menu displays also disappear after about 6 seconds.

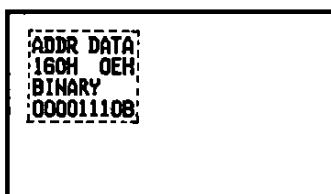
If you want to clear the screen of all on-screen displays instantly, press EXIT.

SERVICE MODE AND ADJUSTMENTS

After replacing ICA02 (E2PROM), adjustment in SERVICE MODE is required.

1. ENTERING TO SERVICE MODE

1. Press MUTE button once on remote control unit.
2. Press again MUTE button to keep pressing.
3. Keep pressing the MUTE button, press MENU button on TV set.
The SERVICE MODE picture will come out on screen.



2. INITIALIZATION

1. Press RECALL button on remote control unit.
2. This makes termination of initialization of all area in memory.
3. On almost of models, all service adjustments described below will finish by this initialization.

3. SWITCHING OF ADJUSTING MODE

The main address will change as shown below by every pressing of MENU button on TV set.

160H→107H→100H→174H→1D0H→120H→200H→240H→[Exit from SERVICE MODE]

ADDR	Name of ADJUSTING MODE	Last memory after adjustment
160H	Adjustment of video correction value	Memorize
107H	Sub adjustment	Memorize
100H	Adjustment of Q501 (VIDEO processing)	Memorize except for a part.
174H	Setting of the optional functions	Memorize
1D0H	Change of in non volatile memory data	Memorize
120H	Adjustment of Q360 (DPC)	Memorize
200H	Adjustment of QX60 (Wide Aspect)	Memorize except for a part
240H	Adjustment of QY03 (PIP/POP)	Memorize except for a part

4. SWITCHING METHOD OF ADJUSTMENT ITEMS IN THE ADJUSTING MODE

Every pressing of VOLUME ▲ button will change the address as below, and the pressing of VOLUME ▼ button will change the address to the reverse direction.

1. 160H→162H→164H→165H→160H (returned to start position)
2. 107H→108H→105H→163H→161H→111H→107H (to start position)
3. 100H→101H→102H→103H→104H→105H→106H→107H→108H→109H→10AH→10BH→10CH→10DH→10EH→10FH→110H→111H→112H→100H (to start position)
4. 174H→175H→176H→174H (to start position)
5. 1D0H→1D1H→1D2H→1D3H→1D4H→1D5H→1DAH→1DBH→1DCH→1DDH→1DEH→1DFH→1E0H→1E1H→1E2H→1D0H (to start position)

6. 120H → 121H → 122H → 123H → 124H → 128H → 12AH (to start position)
7. 200H → 201H → 202H → 203H → 204H → 205H → 206H → 207H → 208H → 209H → 20AH → 20BH → 20CH → 20DH
→ 20EH → 20FH → 210H → 211H → 212H → 213H → 214H → 215H → 216H → 217H → 218H → 219H → 21AH
→ 21BH → 21CH → 21DH → 21EH → 21FH → 220H → 221H → 222H → 223H → 224H → 225H → 226H → 227H
→ 228H → 229H → 22AH → 22BH → 22CH → 22DH → 22EH → 22FH → 230H → 231H → 232H → 233H → 234H
→ 235H → 236H → 237H → 238H → 239H → 23AH → 23BH → 23CH → 23DH → 23EH → 23FH (to start position)
8. 240H → 241H → 242H → 243H → 244H → 245H → 246H → 247H → 248H → 249H → 24AH → 24BH → 24CH → 24DH
→ 24EH → 24FH → 250H → 251H → 252H → 253H → 254H → 255H → 256H → 257H → 258H → 259H (to start position)

See the next page for reference table of ADDR and adjusting items.

5. ADJUSTMENT METHOD OF DATA

1. Pressing of + - button will change the value of DATA in the range from 00H to FFH. The variable range depends on the adjusting item.
2. Items that may require adjustment after initialization, are the adjustment (ADDR:160H) of video correction value and the sub adjustment (ADDR:107H). When the variable range is not appropriate, perform adjustment watching the screen.

6. EXIT FROM SERVICE MODE

Key operation:

1. EXIT
2. POWER
3. MENU key
4. Other keys associated with display

7. OTHER SERVICE FUNCTIONS

The following key entry during display of service mode screen, provides special functions.

1. MUTE : Presetting of all channels (delivery setting)
2. RESET/EXIT : Execution of self diagnosis

Note : Finally, do AUTO CHANNEL PROGRAM.

8. REFERENCE TABLE OF ADDRESS AND ADJUSTING ITEMS

1. ADJUSTMENT OF VIDEO CORRECTION VALUE

Address	Items	Memory
160H	CONTRAST	○
162H	COLOR in THEATER	○
164H	SHARPNESS	○
165H	PIP-CONTRAST	○

2. SUB ADJUSTMENT

Address	Items	Memory
107H	SUB-COLOR	○
108H	SUB-CONTRAST	○
105H	PIP-BRIGHT	○
163H	SUB-TINT	○
161H	SUB-BRIGHT	○
111H	MONITOR SWITCH	○

3. ADJUSTMENT OF Q501 (VCD)

Address	Items	Memory
100H	CONTRAST	
101H	BRIGHTNESS	
102H	COLOR	
103H	TINT	
104H	SHARPNESS	
105H	PIP-BRIGHT	○
106H	PIP-CONTRAST	○
107H	SUB-COLOR	○
108H	SUB-CONTRAST	○
109H	R CUTOFF	○
10AH	G CUTOFF	○
10BH	B CUTOFF	○
10CH	G DRIVE	○
10DH	B DRIVE	○
10EH	CHROMA CONTROL	
10FH	VIDEO CONTROL1	
110H	VIDEO CONTROL2	
111H	HOR POSITION	○
112H	VER POSITION	○

4. ADJUSTMENT OF OPTIONAL SW

Address	Items	Memory
174H	Option setting	○
175H	Memory version 1	○
176H	Number of protect	○

5. DATA REVISION OF QA02 (E2PROM)

Address	Items	Memory
1D0H	STD CHROMA CONTROL	○
1D1H	STD VIDEO CONTROL 1	○
1D2H	STD VIDEO CONTROL 2	○
1D3H	THEATER CHROMA CONTROL	○
1D4H	THEATER VIDEO CONTROL 1	○
1D5H	THEATER VIDEO CONTROL 2	○
1DAH	Option setting 2	○
1DBH	Option setting 3	○
1DDH	Memory version 2	○
1DEH	THEATER R CUTOFF CORRECT	○
1DFH	THEATER G CUTOFF CORRECT	○
1E0H	THEATER B CUTOFF CORRECT	○
1E1H	THEATER G DRIVE CORRECT	○
1E2H	THEATER B DRIVE CORRECT	○

6. ADJUSTMENT OF Q360 (Dynamic Pincushion Correction)

Address	Items	Memory
120H	VERTICAL HEIGHT	○
121H	VERTICAL LINEARITY	○
122H	VERTICAL S-CURVE CORRECTION	○
123H	VERTICAL PICTURE CORRECTION	○
124H	VERTICAL HEIGHT REGULATION	○
128H	TRAPEZOID DISTORTION	○
12AH	VERTICAL M-CURVE CORRECTION	○

7. ADJUSTMENT OF QX60 (Wide Aspect)

Address	Items	Memory
200H	PICTURE SIZE CHANGE	○
201H	PICTURE SIZE CHANGE	○
202H	DELAY	○
203H	DELAY	○
204H	B/A CL WIDTH	○
205H	B/A CL WIDTH	○
206H	Y SIDE PANEL LEVEL	○
207H	BLK CHANGE LEVEL	○
208H	IQ, QI SIDE PANEL LEVEL	○
209H	IQ, QI SIDE PANEL LEVEL	○
20AH	Y SIGNAL MEMORY WRITE CLOCK	○
20BH	START POSITION	○
20CH	C SIGNAL MEMORY WRITE CLOCK	○
20DH	START POSITION	○
20EH	Y,C SIGNAL MEMORY W/R	○
20FH	RESET POSITION	○
210H	Y SIGNAL MEMORY READ CLOCK	○
211H	START POSITION	○
212H	C SIGNAL MEMORY READ CLOCK	○
213H	START POSITION	○
214H	CENTER PANEL → SIDE PANEL	○
215H	CHANGE POSITION	○
216H	SIDE PANEL → CENTER PANEL	○
217H	CHANGE POSITION	○
218H	HORIZONTAL BLINKING	○
219H	START POSITION	○

Address	Items	Memory
21AH	HORIZONTAL BLINKING	○
21BH	STOP POSITION	○
21CH	CLAMP PHASE (FRONT)	○
21DH	CLAMP PHASE (FRONT)	○
21EH	CLAMP PHASE (BACK)	○
21FH	CLAMP PHASE (BACK)	○
220H	HORIZONTAL DRIVE PULSE PHASE	○
221H	HORIZONTAL DRIVE PULSE PHASE	○
222H	HORIZONTAL BLINKING	○
223H	START POSITION	○
224H	HORIZONTAL BLINKING	○
225H	STOP POSITION	○
226H	SCAN VELOCITY MODULATION	○
227H	START POSITION	○
228H	SCAN VELOCITY MODULATION	○
229H	STOP POSITION	○
22AH	INPUT SIGNAL THROUGH	○
22BH	START POSITION	○
22CH	INPUT SIGNAL THROUGH	○
22DH	STOP POSITION	○
22EH	VERTICAL BLINKING	○
22FH	START POSITION	○
230H	VERTICAL BLINKING	○
231H	STOP POSITION	○
232H	V DRIVE PULSE PHASE	○
233H	V DRIVE PULSE PHASE	○
234H	VERTICAL SIGNAL MASK	○
235H	START POSITION	○
236H	VERTICAL SIGNAL MASK	○
237H	STOP POSITION	○
238H	IC TEST USE ONLY	○
239H	IC TEST USE ONLY	○
23AH	IC TEST USE ONLY	○
23BH	IC TEST USE ONLY	○
23CH	IC TEST USE ONLY	○
23DH	IC TEST USE ONLY	○
23EH	END DATA	○
23FH	END DATA	○

8. ADJUSTMENT OF QY03 (PIP, POP)


Address	Items	Memory
240H	HOR. WRITE START POSITION	○
241H	VER. THINNED-OUT COEFFICIENT	○
242H	WRITE FIELD JUDGMENT	○
243H	CLAMP PHASE ADJUSTMENT	○
244H	VERTICAL WRITE	○
245H	START PHASE ADJUSTMENT	○
246H	VERTICAL WRITE	○
247H	STOP PHASE ADJUSTMENT	○
248H	1/3 PICTURE CHANGE	○
249H	ON/OFF	○
24AH	HOR. READ AREA ADJUSTMENT	○
24BH	YS WIDTH PHASE ADJUSTMENT	○
24CH	READ FIELD AREA ADJUSTMENT	○
24DH	READ FIELD AREA ADJUSTMENT	○
24EH	VER. READ START PHASE	○
24FH	READ AREA ADJUSTMENT	○
250H	VER. READ STOP PHASE	○
251H	OSD MASK START ADJUSTMENT	○
252H	READ MODE CHANGE	○
253H	FRAME LUMINANCE PHASE ADJ.	○
254H	FRAME LUMINANCE LEVEL ADJ.	○
255H	OSD DETECT LEVEL ADJUSTMENT	○
256H	R-Y LEVEL ADJUSTMENT	○
257H	B-Y LEVEL ADJUSTMENT	○
258H	COLOR DIFFERENCE BLINKING	○
259H	LEVEL ADJUSTMENT	○

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

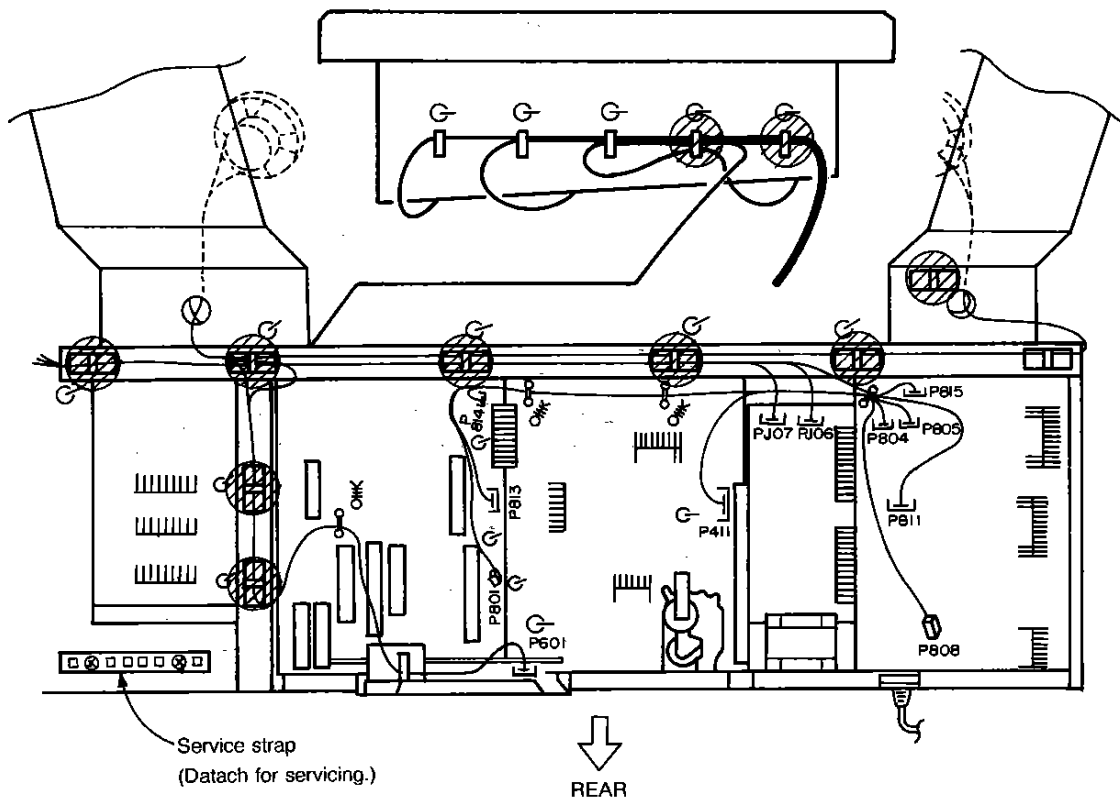
SETTING UP THE CHASSIS

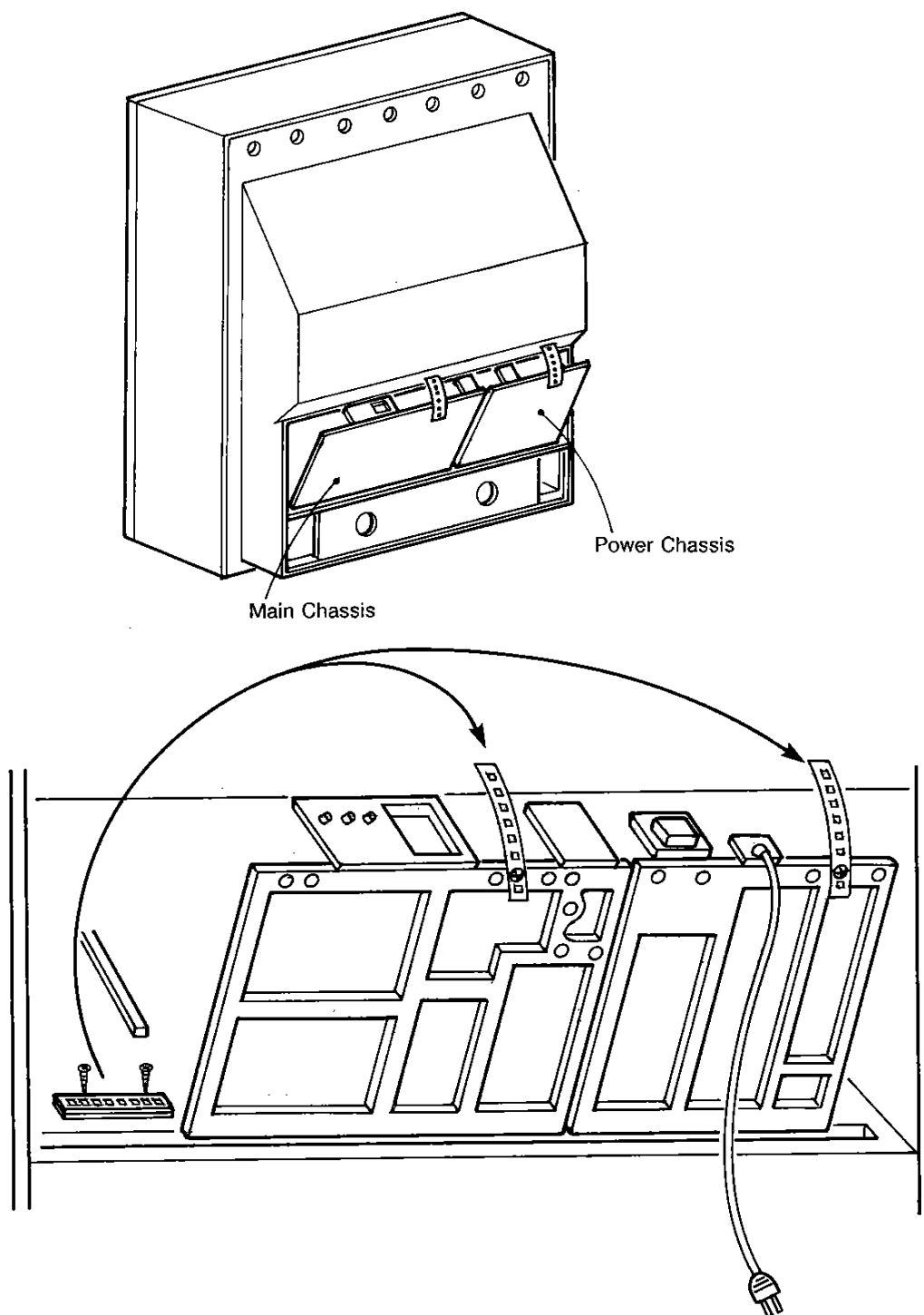
In order to assure the performance, processed wires shall be replaced after the repair work.

Work procedures are as follows.

1. Remove the back board. (See page 43.)
2. Remove ten holders in  of the following sketch .
3. Remove service strap on back of AMP Board, and fix the strap with wood-screw to the mounting frame of back board.
4. Draw out the main power unit and both chassis together.
5. Insert the front edge of the chassis into the groove where the back board has been inserted and make the chassis stand.
6. Coincide hole of chassis frame to an appropriate hole of service strap, and insert wood-screw to hold the chassis. (See illustration on next page.)

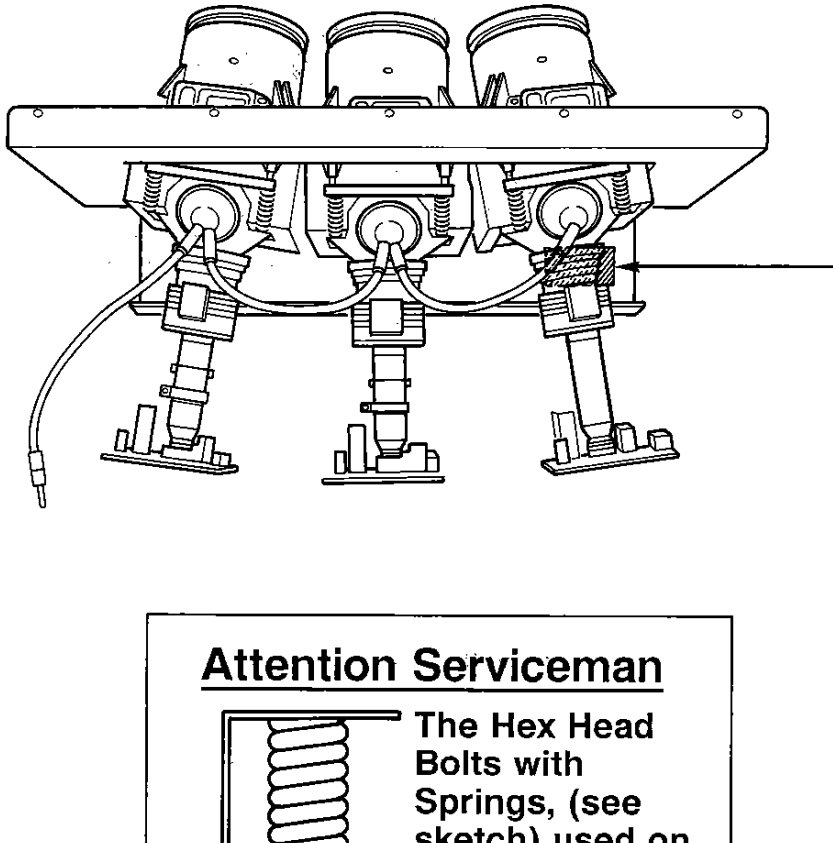
After repair work finished, replace it in the opposite procedure.



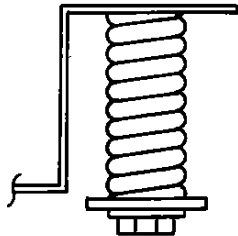


CRT ASSEMBLY REPLACEMENT AND MOUNTING

CAUTION : DO NOT LOOSEN THE HEX HEAD BOLTS WITH SPRINGS (12 PCS), BECAUSE THOSE ARE FOR SEALING OF CRT COOLANT.

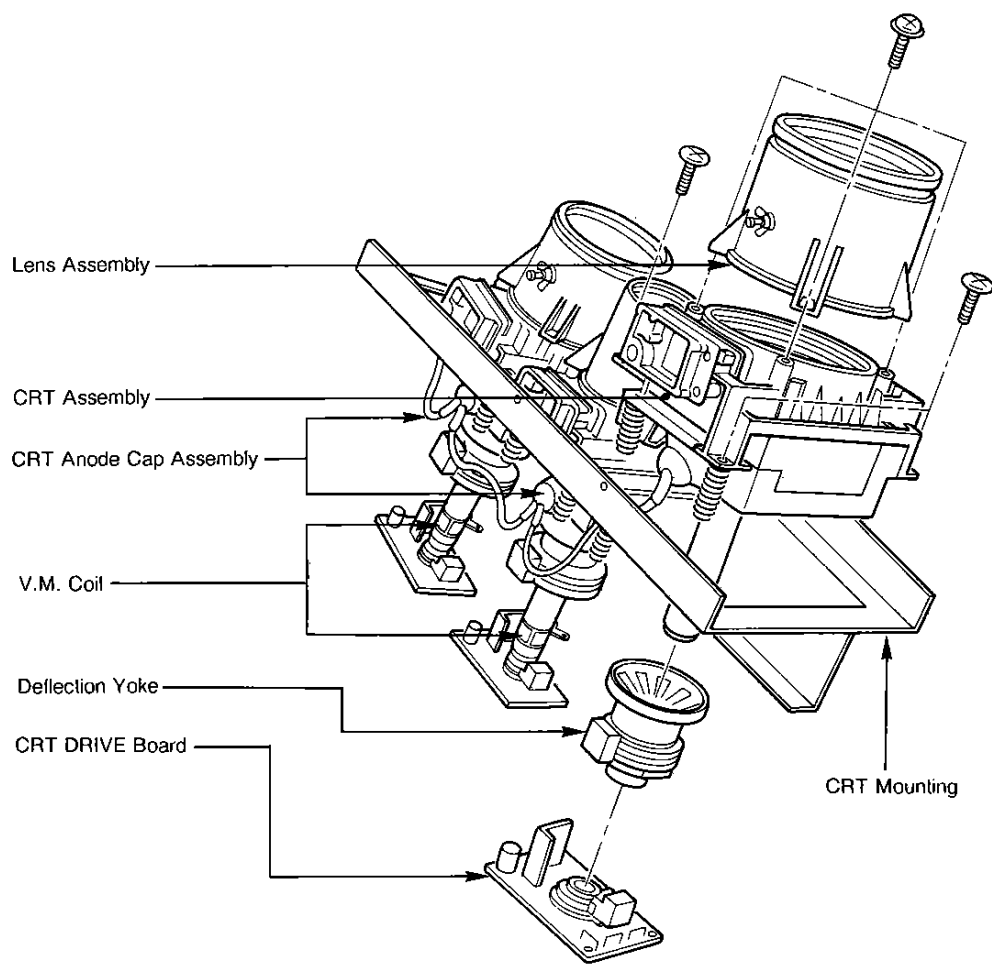


Attention Serviceman



The Hex Head Bolts with Springs, (see sketch) used on CRT assembly, are "NOT"

Adjustment Screws
**DO NOT LOOSEN - FLUID
LEAKAGE WILL OCCUR.**



Lens and Neck Components View

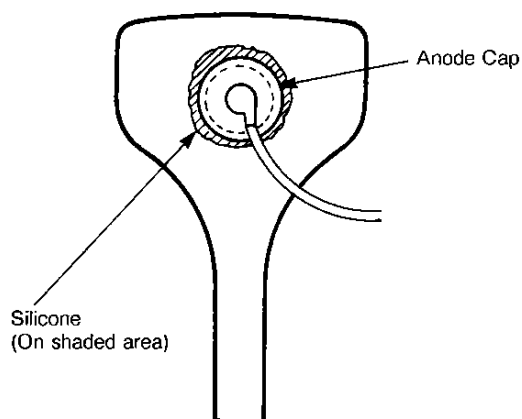
TO REMOVE CRT (Same procedure for R, G, B)

1. Remove CRT DRIVE Board, V. M. COIL (R, G ONLY) from CRT.
2. Remove Lens Assembly.
3. Detach CRT Anode Cap from CRT.
4. Remove CRT Assembly from CRT Mounting.

TO MOUNT CRT (Same procedure for R, G, B)

1. Proceed with the reverse way in the CRT removal.

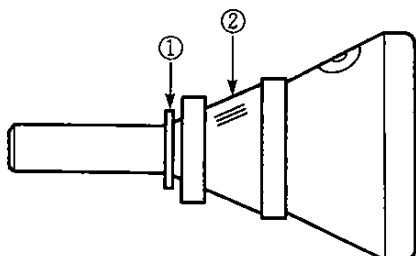
- **Anode Cap Assembly Replacement**
Remove Anode Cap Assembly to replace with new one (T461A).
Put enough silicon (T461B) on around the anode caps.



WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

PICTURE TUBE COMPONENTS ADJUSTMENT

DESCRIPTION OF NECK COMPONENTS



① Centering magnet

After adjusting picture tilt, picture position is finally fixed by this magnet.

In order to get maximum margin of user convergence control for center of screen, this magnet have to be used for center convergence adjustment on production line.

② Deflection yoke

Disconnect PJ05. This contains convergence yoke, too.

The position on the neck is required most front (CRT funnel side) and the screw is fastened after rotating yoke adjusting picture tilt.

PREPARATION

1. Ensure all of static VRs are preset at mechanical center. (RK101, 102, 103, 104)
2. Operate the receiver for at least 5 minutes.

R, G, B FOCUS ADJUSTMENT

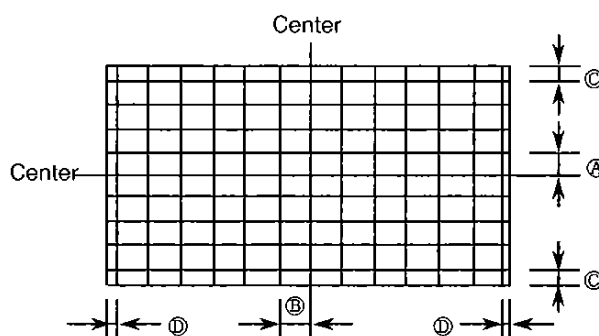
1. Disconnect PJ05.
2. Set "TEST/NORM" switch to TEST position.
3. Adjust R, G, B lenses focus to best focusing point of picture center.
After find out fasten screw. (Put lens cover on not adjusting lenses.)
4. Adjust FOCUS VR R, G, B of FOCUS PAC to find best focusing point of picture center.

TILT ADJUSTMENT

Rotate R, G, B deflection yoke so that picture becomes horizon as figure, then fasten screw.

CENTERING ADJUSTMENT

1. Set the picture size "FULL".
2. Connect PJ05.
3. Adjust G centering magnet so that the CROSS pattern center comes to screen center.
Press SJ01 ON to receive CROSS-HATCH pattern.
Turn SJ02 to G-ADJ side.
4. Adjust V HEIGHT. Adjust the data of address 120H. (Fig-1 ①)
5. Adjust V LINEARITY. Adjust the data of address 121H. (Fig-1 ②)



(Fig-1)

< REFERENCE DATA >

Picture Size	①	②	③	④
Full	63mm	95mm	37mm	55mm
Theater wide 1	83mm	95mm	17mm	55mm

6. Adjust H WIDTH (L442) and GH-I. LIN VR (RK82) on PB4368 so that Fig-1 ③ will be equal distance.
7. Check whole quality of green picture.
8. Set the picture size "THEATER WIDE 1", then repeat steps 4 to 7.
9. Set SJ01 switch to OFF position and "TEST/NORM" switch to TEST position.
10. Adjust R, B centering magnet so that the CROSS pattern center comes to screen center.

CAUTIONS:

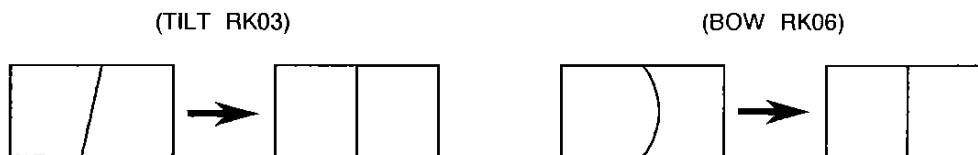
1. The VR101, VR102, VR103, VR104 must be set to mechanical center for R and B centering.
2. Set "TEST/NORM" switch to NORM position.

PREPARATION FOR CONVERGENCE ADJUSTMENTS

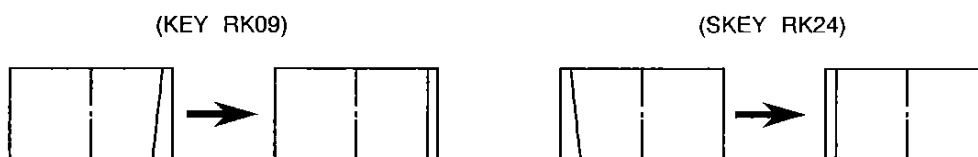
1. Press SJ01 ON to receive CROSS-HATCH pattern.
2. Turn SJ02 to G-ADJ side.
3. Ensure picture has no distortion.
4. Ensure all of convergence VRs are preset at mechanical center.

GREEN HORIZ. CONV. ADJUSTMENT (Picture size FULL)

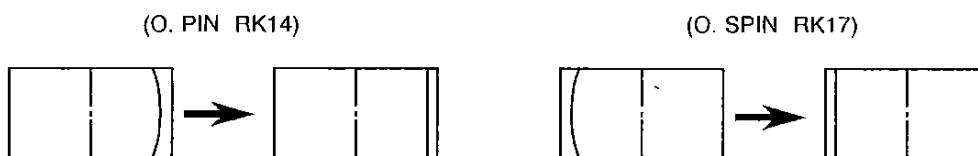
1. Converge center vertical line adjusting RK03 (TILT)/RK06 (BOW).



2. Move line on right side adjusting with RK09 (KEY).
Move line on left side adjusting with RK24 (SKEY).



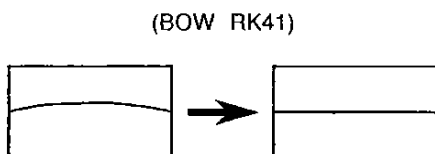
3. Move line on right side adjusting with RK14 (O. PIN).
Move line on left side adjusting with RK17 (O. SPIN).



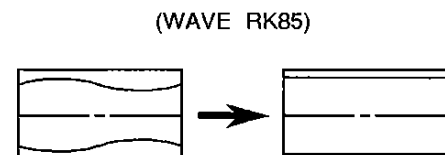
5. Move right and left and middle line if cannot readjust RK14 or RK17, RK27.

GREEN VERT. CONVERGENCE ADJUSTMENT (Picture size FULL)

1. Converge center horizontal line adjusting RK41 (BOW).

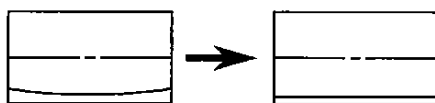


2. Move line on upper and lower side by wave adjusting RK85 (WAVE).

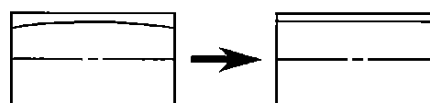


3. Move line on lower side adjusting RK49 (PIN).
Move line on upper side adjusting RK81 (SPIN).

(PIN RK49)



(SPIN RK81)

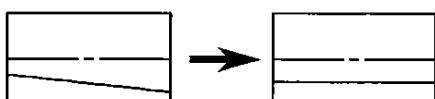


4. Move upper and lower line if cannot readjust RK85 or RK49, RK81.

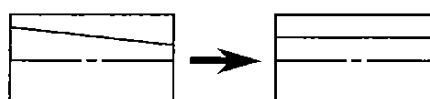
5. Move line on middle lower side adjusting RK44 (KEY).

Move line on middle upper side adjusting RK80 (SKEY).

(KEY RK44)



(SKEY RK80)



BLUE HORIZ. CONV. ADJUSTMENT (Picture size FULL)

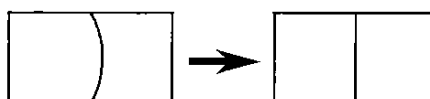
1. Turn SJ02 to B-ADJ side.

2. Converge center vertical line onto G by adjusting RK02 (TILT)/RK05 (BOW).

(TILT RK02)



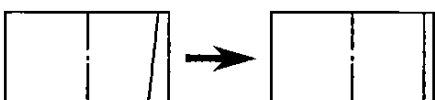
(BOW RK05)



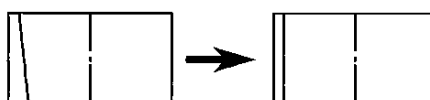
3. Move B line on right side to make it mostly parallel to G line with RK08 (KEY).

Move B line on left side to make it mostly parallel to G line with RK11 (SKEY).

(KEY RK08)



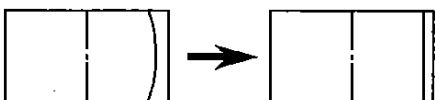
(SKEY RK11)



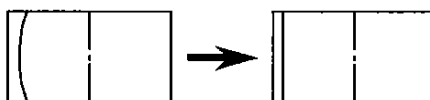
4. Move B line on right side to make it mostly parallel to G line with RK13 (O. PIN).

Move B line on left side to make it mostly parallel to G line with RK16 (O. SPIN).

(O. PIN RK13)

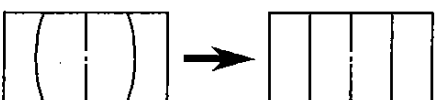


(O. SPIN RK16)



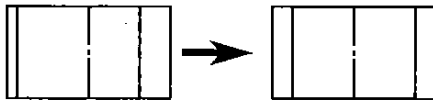
5. Move B line on middle side to make it mostly parallel to G line with RK26 (I. PIN).

(I. PIN RK26)



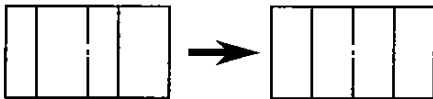
6. Move right and left and middle line if cannot readjust RK13 or RK16, RK26.
7. Move B on both right and left sides together with RK18 (O. LIN) so that opposite directions and same distances can be obtained as below.

(O. LIN RK18)



8. Move B on both right and left middle sides together with RK35 (I. LIN) so that opposite directions and same distances can be obtained as below.

(I. LIN RK35)



9. Move right and left and middle line if cannot readjust RK18 or RK35.
10. Converge B line on right and left middle sides at the same time with RK23 (I. SIZE).
Converge B line on right and left middle sides at the same time with RK21 (O. SIZE).

(I. SIZE RK23)



(O. SIZE RK21)



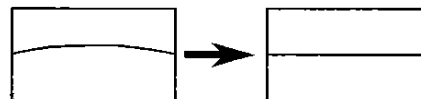
BLUE VERT. CONVERGENCE ADJUSTMENT (Picture size FULL)

1. Converge center horizontal line on to G by adjusting RK38 (TILT)/RK40 (BOW).

(TILT RK38)

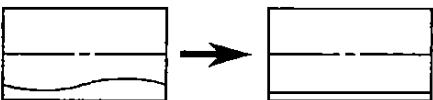


(BOW RK40)

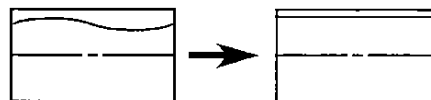


2. Move B line on lower side to make mostly parallel to G line with RK76 (WAVE).
Move B line on upper side to make mostly parallel to G line with RK46 (SWAVE).

(WAVE RK76)

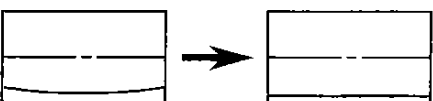


(SWAVE RK46)

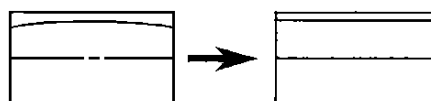


3. Move B line on lower side to make mostly parallel to G line with RK48 (PIN).
Move B line on upper side to make mostly parallel to G line with RK51 (SPIN).

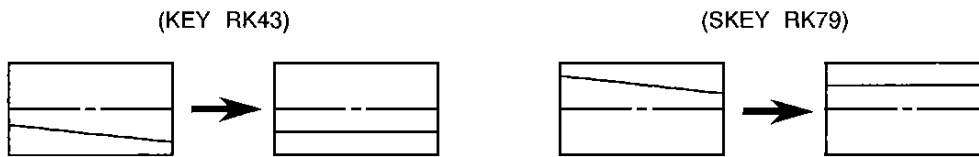
(PIN RK48)



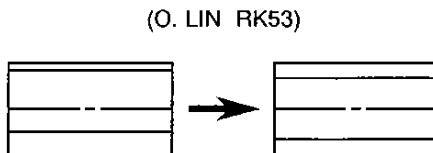
(SPIN RK51)



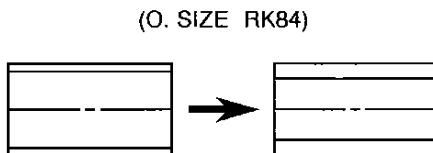
4. Move B line on lower middle side to make mostly parallel to G line with RK43 (KEY).
Move B line on upper middle side to make mostly parallel to G line with RK79 (SKEY).



5. Move upper and lower line if cannot readjust RK43 or RK79.
6. Move B line on upper and lower side to make mostly parallel to G line with RK53 (O. LIN).



7. Move B line on upper and lower side to make mostly parallel to G line with RK84 (O. SIZE).



RED HORIZ. CONVERGENCE (Picture size FULL)

1. Turn SJ02 to R-ADJ side.
2. Adjust convergence between R and G by adjusting following VRs.

Procedures are same as Blue.

RK01 (TILT), RK04 (BOW), RK07 (KEY), RK10 (SKEY), RK12 (O. PIN), RK15 (O. SPIN), RK25 (I. PIN),
RK19 (O. LIN), RK34 (I. LIN), RK22 (I. SIZE), RK20 (O. SIZE).

RED VERT. CONVERGENCE ADJUSTMENT (Picture size FULL)

1. Adjust convergence between R and G by adjusting following VRs.

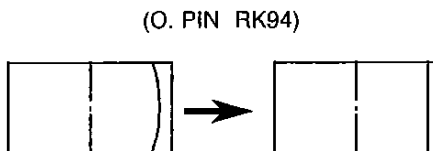
Procedures are same as Blue.

RK37 (TILT), RK39 (BOW), RK75 (WAVE), RK45 (SWAVE), RK47 (PIN), RK50 (SPIN), RK42 (KEY),
RK78 (SKEY), RK52 (O. LIN), RK83 (O. SIZE).

2. Press SJ01 OFF.

GREEN HORIZ. CONV. ADJUSTMENT (Picture size THEATER WIDE 1)

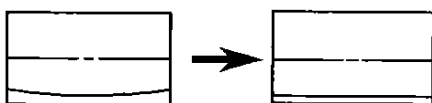
1. Move line on right side adjusting with RK94 (O. PIN).



GREEN VERT. CONVERGENCE ADJUSTMENT (Picture size THEATER WIDE 1)

1. Move line on lower side adjusting RK49 (PIN).

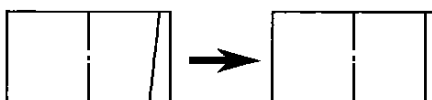
(PIN RK115)



BLUE HORIZ. CONV. ADJUSTMENT (Picture size THEATER WIDE 1)

1. Turn SJ02 to B-ADJ side.
2. Move B line on right side to make it mostly parallel to G line with RK99 (KEY).
Move B line on left side to make it mostly parallel to G line with RK96 (SKEY).

(KEY RK99)

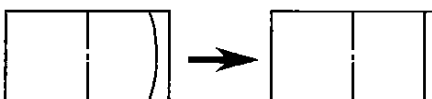


(SKEY RK96)



3. Move B line on right side to make it mostly parallel to G line with RK93 (O. PIN).
Move B line on left side to make it mostly parallel to G line with RK90 (O. SPIN).

(O. PIN RK93)



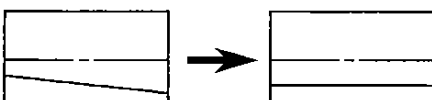
(O. SPIN RK90)



BLUE VERT. CONVERGENCE ADJUSTMENT (Picture size THEATER WIDE 1)

1. Move B line on lower middle side to make mostly parallel to G line with RK111 (KEY).
Move B line on upper middle side to make mostly parallel to G line with RK114 (SKEY).

(KEY RK111)

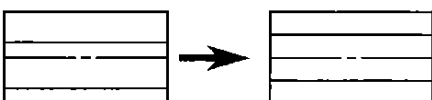


(SKEY RK114)



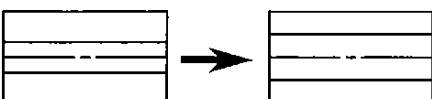
2. Move B line on upper and lower middle side to make mostly parallel to G line with RK116 (I. LIN).

(I. LIN RK116)



3. Move B line on upper and lower middle side to make mostly parallel to G line with RK118 (I. SIZE).

(I. SIZE RK118)



RED HORIZ. CONVERGENCE
(Picture size THEATER WIDE 1)

1. Turn SJ02 to R-ADJ side.
2. Adjust convergence between R and G by adjusting following VRs.
Procedures are same as Blue.
RK98 (KEY), RK95 (SKEY), RK92 (O. PIN),
RK89 (O. SPIN).

RED VERT. CONVERGENCE ADJUSTMENT
(Picture size THEATER WIDE 1)

1. Adjust convergence between R and G by adjusting following VRs.
Procedures are same as Blue.
RK110 (KEY), RK113 (SKEY), RK117 (I. LIN),
RK119 (I. SIZE).
2. Press SJ01 OFF.

CRT GRAY SCALE ADJUSTMENT

1. Press RESET button on TV or remote control.
2. Select VIDEO 3 mode. (Don't put any signal in VIDEO 3 jack.)
3. Adjust the data of address 109H and 10BH to "40H".
4. Press EXIT button.
5. Gradually rotate the R, G and B screen volume of Focus Pac clockwise or counterclockwise until the raster appears slightly on the CRT through the each lens, and leave them.
(Look into the lens in order to check the raster.)
6. Tune in an active channel.
7. Adjust the data of address 109H and 10BH for low light area. Address 109H controls RED CRT bias and 10BH is for BLUE.
8. Press EXIT button.
9. Adjust R-DRIVE (R950) and B-DRIVE (R952)
Controls for proper white-balanced picture in high light area.
10. Check the white balance in both low and high light areas. If necessary, perform again steps from 7 to 9.

CIRCUIT ADJUSTMENT

DEF/HV BOARD ADJUSTMENT

HIGH VOLTAGE CHECK

CAUTION: There is no HIGH VOLTAGE ADJUSTMENT on this chassis. Checking should be done following the steps below.

1. Connect an accurate high voltage meter to the anode of the picture tube.
2. Turn on the receiver. Set the BRIGHTNESS and CONTRAST to minimum (zero beam current).
3. High voltage must be measured below 32.0 kV.
4. Vary the BRIGHTNESS to both extremes to be sure the high voltage does not exceed the limit under any conditions.

CAUTION:

When the parts tabled below are failed, do not replace the parts, but replace the whole DEF/HV Board with new one.

Location No.	Name	Type
T461	Flyback Trans.	TFB5070AN
D424	Zener Diode	μ PC574J
T421	Transformer	TPC2026
Q414	Transistor	2SC2655-Y
Q412	IC	TA75458P
R431	Resistor	91k ohm, $\pm 1\%$
R438	Resistor	24k ohm, $\pm 1\%$
R440	Resistor	5.1k ohm, $\pm 1\%$
R439	VR	2k ohm

FS CIRCUIT CHECK

The Fail Safe (FS) circuit check is indispensable for the final check in servicing. Checking should be done following the steps below.

1. Turn the receiver on.
2. Temporarily short TP- ⑩ and TP- ⑪ on the DEF/HV Board with a jumper wire. Raster and sound will disappear.
3. The receiver must remain in this state even after removing the jumper wire. This is the evidence that the FS circuit is functioning properly.
4. To obtain a picture again, temporarily turn the receiver off and allow the FS circuit more than 5 seconds to reset. Then turn the receiver on to produce a normal picture.

Troubleshooting Guide for Fail Safe Circuit

Check that the set returns to normal operation when both ends of R495 on the DEF/HV Board is shorted with jumper wire.

YES

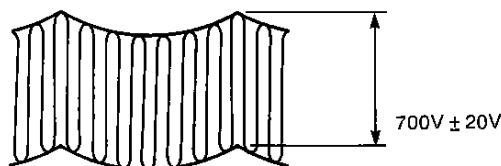
Defective Fail Safe Circuit

NO

Faulty Power circuit or Horizontal circuit.

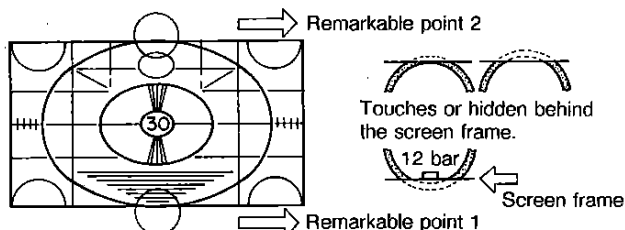
L470 (HOR. FOCUS PARABOLA) ADJUSTMENT

1. Connect oscilloscope (100:1 probe) to terminal P415 and ground.
2. Turn on the TV set and adjust L470 for the peak-to-peak value of parabola wave as shown below.

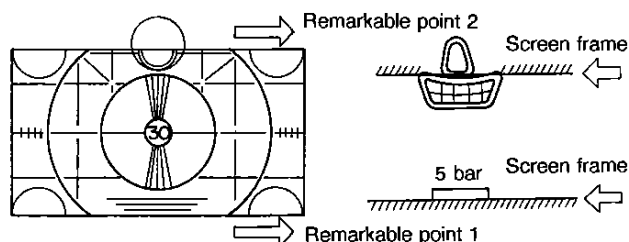


L442 (HOR. WIDTH), VERTICAL HEIGHT AND VERTICAL LINEARITY ADJUSTMENT

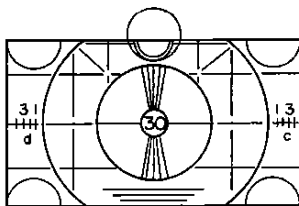
1. Set the picture size FULL.
2. Receive RETMA (Round pattern) signal.
3. Watching the TV screen, adjust VER LINEARITY address 121H for the best linearity.
4. Adjust HEIGHT address 120H as shown below.



5. Set the picture size THEATER WIDE 1.
6. Watching the TV screen, adjust VER LINEARITY address 121H for the best linearity.
7. Adjust HEIGHT address 120H as shown below.



8. Adjust HOR WIDTH (L442) so that numbers of markers (d + c) can be 11.



ANODE VOLTAGE MEASURING METHOD

CAUTION: Take extra precaution when measuring this high voltage. High voltages are also present in surrounding circuit boards (CRT DRIVE assembly, DEFLECTION assembly, and POWER SUPPLY assembly).

1. Disconnect the FBT anode cable as outlined below. Measure high voltage at the point where the cable enters the FBT.
2. Holding the rubber cover firmly, turn it counterclockwise and check that the lock has been disengaged. (See figure a.)
3. Determine the extent of the rubber cover before disconnecting the cable.
4. Pull straight up the anode cable to disconnect. (See figure b.)
5. When reconnecting the cable, proceed in the reverse order. After reconnecting, tug on the cable to check that it is secure.

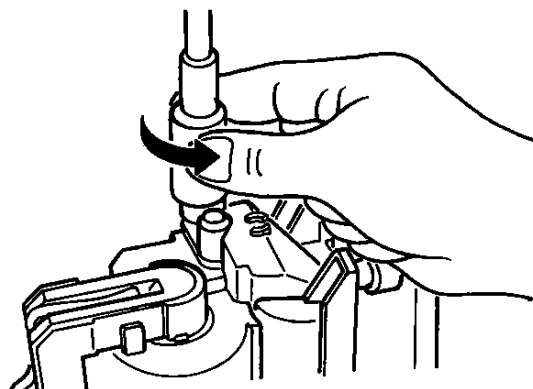


Figure a.

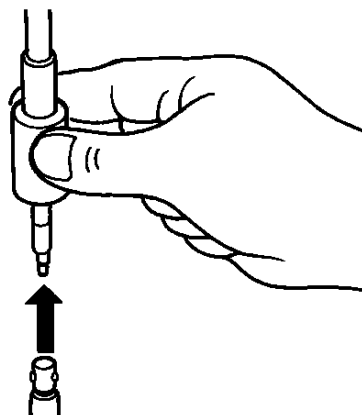


Figure b.

MAIN BOARD ADJUSTMENT

SUB-BRIGHT AND SUB-CONTRAST ADJUSTMENT

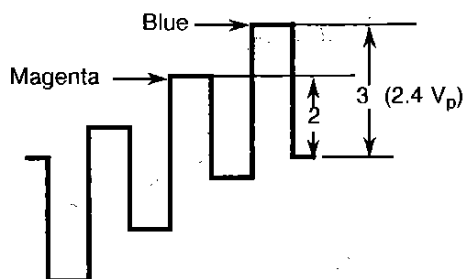
(SUB-BRIGHT: Sub ADD 161H
SUB-CONTRAST: Sub ADD 108H)

1. Tune in a color program and press the RESET button.
2. Leave the receiver for five minutes in this state.
3. Watching the picture carefully, adjust the SUB-BRIGHT Control to the position where the picture does not show evidence of blooming in high bright area and does not appear too dark in low bright area.
4. Check for proper picture variation by changing the CONTRAST and BRIGHT to both extremes.
5. If the picture does not appear dark with the CONTRAST and BRIGHT minimum or does not appear bright with the maximum, adjust the SUB-BRIGHT Control again for an acceptable picture.

SUB-TINT AND SUB-COLOR ADJUSTMENTS

(Sub-TINT: Sub ADD 163H
Sub-COLOR: Sub ADD 107H)

1. Receive color-bar signal from color-bar generator.
2. Press the RESET button.
3. Connect oscilloscope to the Q501 39 pin on MAIN board.
4. Sub ADD 100H D7 → [1] (Video Mute)
Sub ADD 111H D6, D5 → [0, 1] (39 pin B-Y output)
Sub ADD 110H D5, D4 → [1, 1] (Yr OFF)
Sub ADD 102H 4D → 12
5. Adjust SUB-TINT (Sub ADD 163H) to obtain a blue bar to magenta bar ratio of 3:2 as shown below.



6. Sub ADD 102H 12 → 4D (Return color)
7. Sub ADD 107H D6, D5 → [1, 1] (Color Lim. OFF)
8. Adjust SUB-COLOR (Sub ADD 107H) to achieve 2.4V_{o-p} of blue bar on scope.
9. Sub ADD 100H, 111H, 110H → To original
Sub ADD 107H D6, D5 → [0, 0]

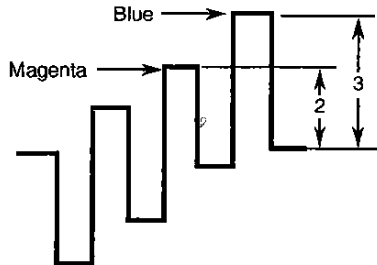
VIDEO LEVEL ADJUSTMENT

1. Receive 87.5% modulation signal.
2. Connect oscilloscope to the TP02.
3. Adjust RB26 for 2.0 V_{p-p} on scope.

PIP BOARD ADJUSTMENT

TINT ADJUSTMENT

1. Receive color-bar signal from color bar generator.
2. Connect oscilloscope to the LY08.
3. Adjust RY53 to obtain a blue bar to magenta bar ratio of 3 : 2 as shown below.

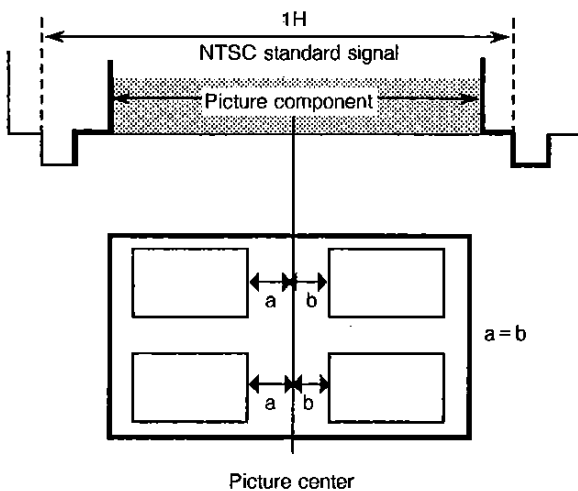


WHITE BALANCE ADJUSTMENT

1. Receive an active channel on the PIP screen.
2. Adjust RY51 (RED BIAS) and RY52 (BLU BIAS) alternately for proper white balance.

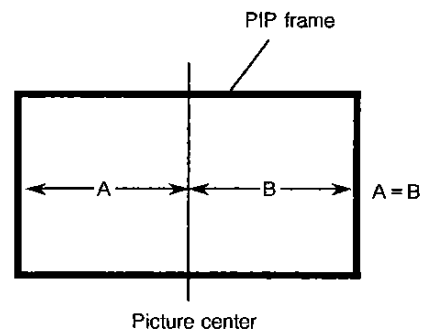
READ CLOCK (PIP FRAME POSITION) ADJUSTMENT

1. Receive the pattern signal which shows its center on the main screen.
2. Call up the PIP screen.
3. Adjust ZY06 to equalize the distance "a" to "b" as shown below.

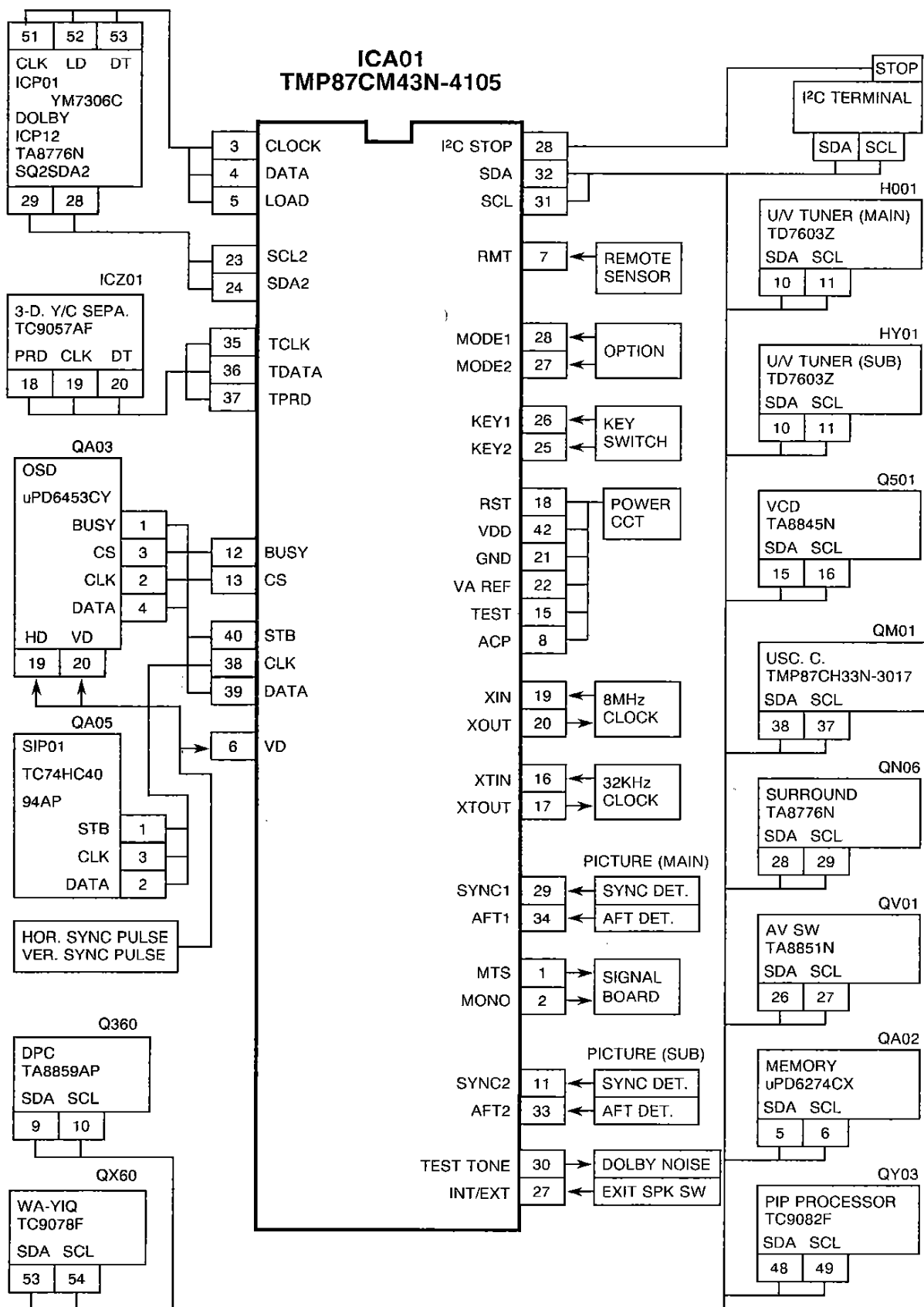


WRITE CLOCK (PIP PICTURE POSITION) ADJUSTMENT

1. Receive the pattern signal which shows the center on the PIP screen.
2. Adjust ZY05 to position the center of the signal to the center of the PIP screen.
(equalizing the distance "A" to "B" as shown below.)



I²C-BUS SYSTEM BLOCK DIAGRAM

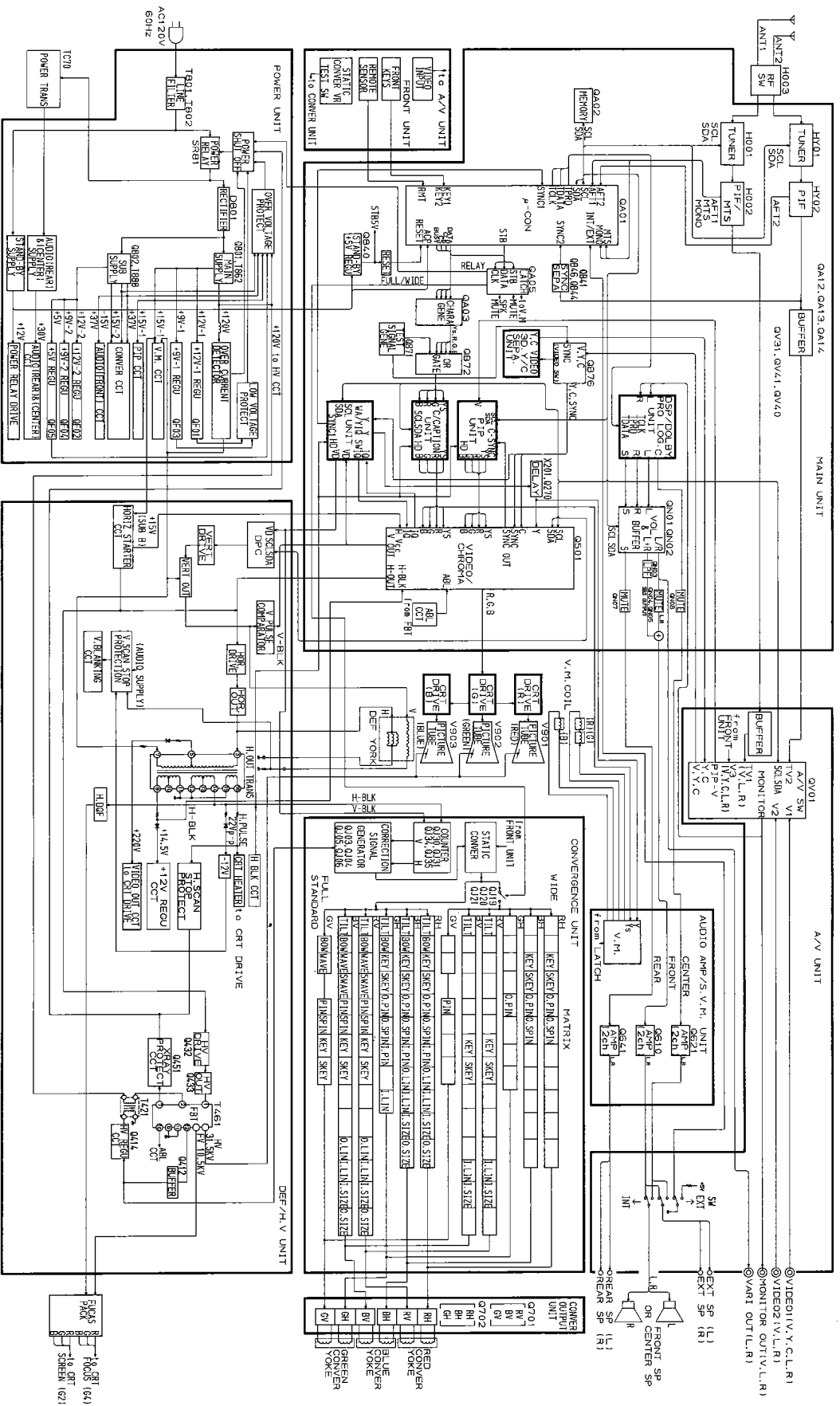


MICROPROCESSOR TERMINAL NAMES AND OPERATION LOGIC

Pin No.	Name	Function	IN/OUT	Logic
1	MTS	MTS switching	OUT	Stereo, Monaural = H, SAP = L
2	MONO	Stereo switching	OUT	Stereo, SAP = L, Monaural switching = H
3	CLOCK	DOLBY clock	OUT	
4	DATA	DOLBY data	OUT	
5	LOAD	DOLBY load	OUT	Positive logic
6	VD	VER sync pulse det.	IN	Negative logic
7	RMT	Remote signal det.	IN	Negative logic
8	ACP	AC pulse count	IN	Pulse with cycle of 16.6ms
9	STR	STEREO switch	IN	STEREO = L
10	SAP	SAP switch	IN	SAP = L
11	SYNC2	PIP sync judge	IN	Positive logic
12	BUSY	OSD BUSY det.	IN	Positive logic
13	CS	OSD CS control	OUT	Negative logic
14	STOP	STOP operation control	IN	Negative logic, Pulled in 5V-1
15	TEST	Delivery test of IC	IN	Open
16	XTIN	Oscillation for SLOW MODE	IN	32 kHz
17	XTOUT		OUT	32 kHz
18	RESET	System reset	IN	Negative logic
19	XI	Oscillation for system clock	IN	8 MHz
20	XO		OUT	8 MHz
21	GND	Ground	—	Grounding, 0V connection
22	VA REF	Analogue standard voltage for A/D conversion	IN	Connected to 5V-1
23	SDA2	I ² C BUS DATA2	OUT	
24	SCL2	I ² C BUS CLOCK2	OUT	No operation = H. Rising sync
25	KEY2	Local key input	IN	0 to 5V
26	KEY1	Local key input	IN	0 to 5V
27	INT/EXT	EXIT SPK SW	IN	0 to 5V
28	I ² C STP	I ² C BUS STOP	IN	Negative logic
29	SYNC1	SYNC pulse input	IN	Negative logic
30	TEST TONE	DOLBY noise	OUT	0 to 5V
31	SCL	I ² C BUS CLOCK	OUT	No operation = H. Rising sync
32	SDA	I ² C BUS DATA	IN & OUT	Output to tuners, VCD IC, SRD IC and AV SW. Input and output to memory. Input and output to closed caption IC.
33	AFT2	PIP S-letter det.	IN	In receiving signal
34	AFT1	AFT S-letter det.	IN	In receiving signal
35	TCLK	T-BUS CLOCK	OUT	Rising sync
36	TDATA	T-BUS DATA	IN & OUT	Output to PIP module, DSP micom
37	TPRD	T-BUS PERIOD	OUT	Negative logic
38	CLK	Clock line	OUT	Rising sync
39	DATA	Data line	IN & OUT	Output to Seri-Para, OSD
40	STB	Seri-Para STROBE	OUT	Positive logic
41	X-RAY	Operational count in over- current protect circuit	IN	Positive logic
42	VDD	Power input	IN	5V

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CHASSIS BLOCK DIAGRAM

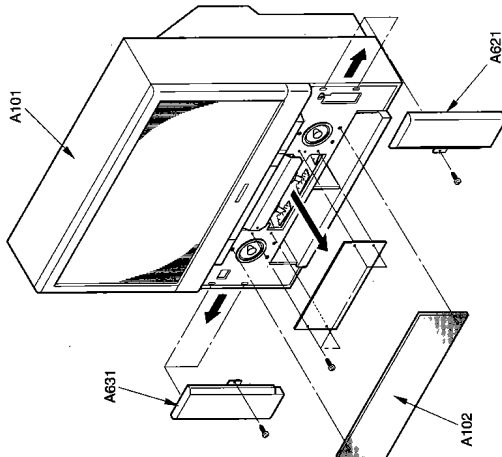


MECHANICAL DISASSEMBLY & CABINET REPLACEMENT PARTS LIST

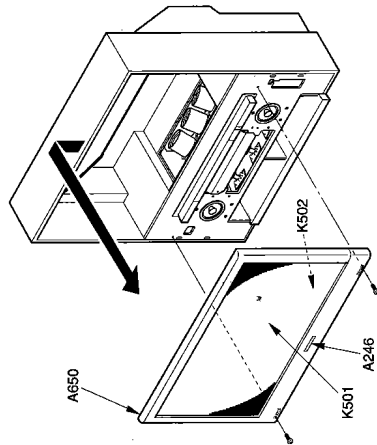
TW56D90



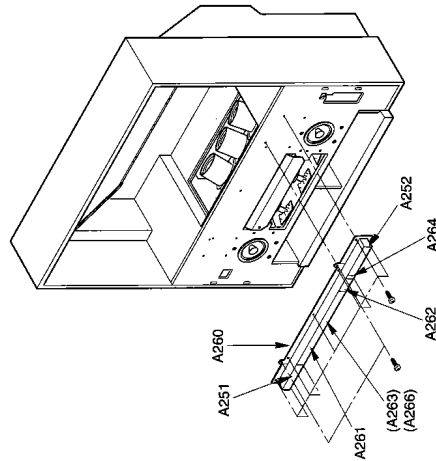
Speaker Grille Removal



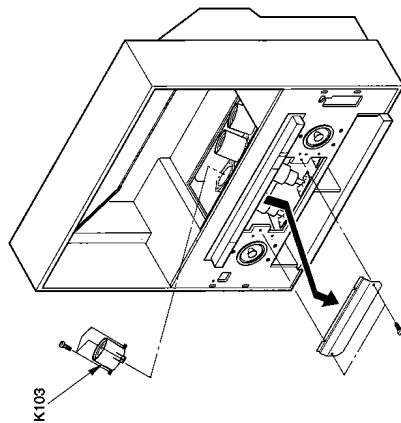
2 Front Mask Removal



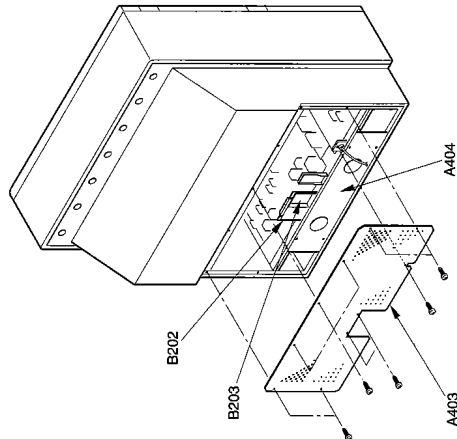
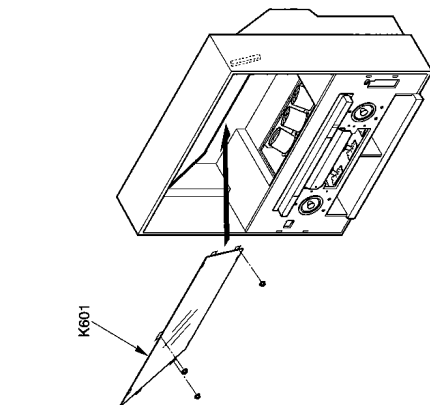
3 Convergence Board Removal



4 Control Panel Removal



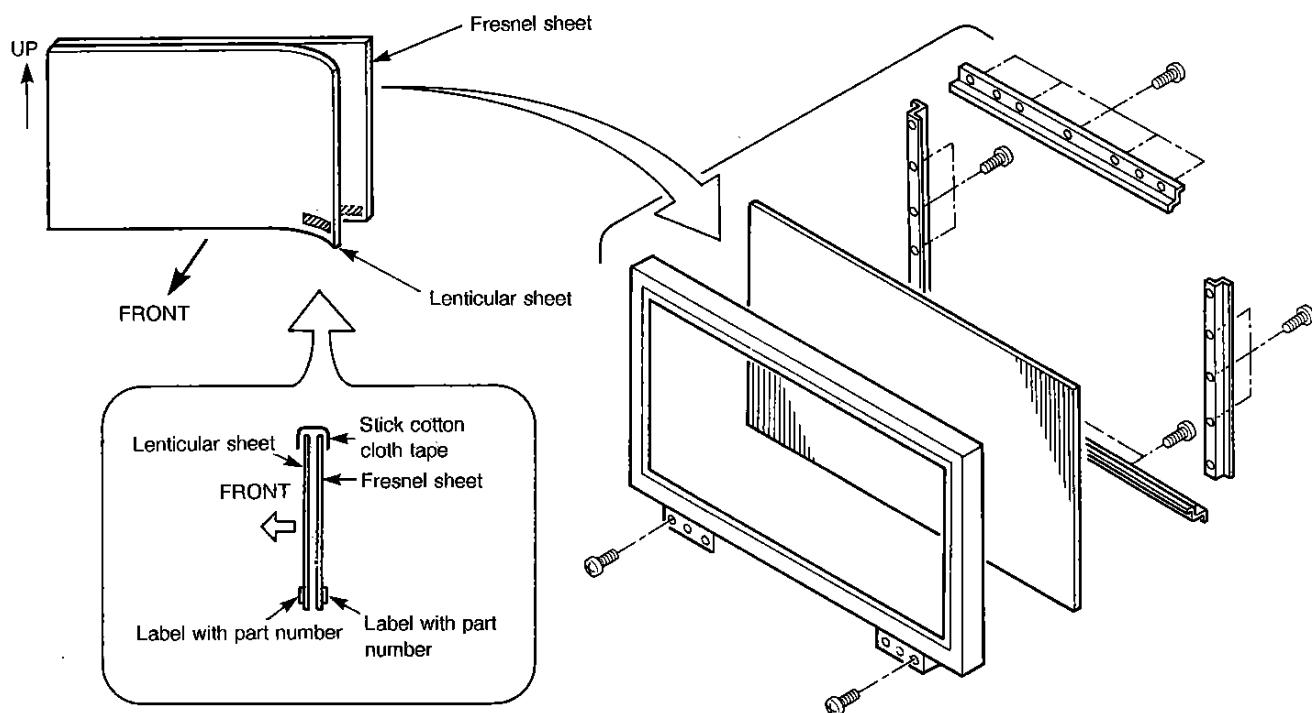
5



Location No.	Part No.	Description
A101	23465223	Wood Cabinet
A102	23416961	Speaker Grille
A111	23413256	Caster
A170	23430163	Glass
A173	23476086	Bracket, Touch Plate
A174	23466581	Rubber, Glass
A175	23451622	Push Latch
A176	23476228	Bracket, Glass Door Hinge, R
A177	23476229	Bracket, Glass Door Hinge, L
A246	23432971	Toshiba Mark
A251	23885120	Side Panel
A252	23885125	Side Panel
A260	23885123	Control Panel, Proper
A261	23425861	Door
A262	23432968	Decorative Board
A263	23443703	Knob, 7-key
A264	23443607	Knob, POWER
A266	70368125	Push Catch for Door
A301	23443058	Knob, Memory
A403	23822783	Back Board
A404	23822784	Back Board, VCR
A621	23413261	Front Grille, Proper, R
A631	23413262	Front Grille, Proper, L
A650	23416960	Wood Bezel
B202	23470075	Terminal Board
B203	23568496	Ornament, AV Terminal
K103	23430160	Delta 79-A/B Assembly
K103	23430160	Delta 79-A/B Assembly
K501	23837395	Screen 56K-L
K502	23837396	Screen 56K-F
K601	23430162	Mirror 56(C)

ASSEMBLING OF FRONT SCREEN

MOUNTING OF FRONT SCREEN



CLEANING OF LENS AND MIRROR

CAUTION : Do not hold the optical system parts (lens and mirror) with bare hand to avoid finger-prints on the surface of those parts.

HOW TO CLEAN LENS AND MIRROR

1. Be sure to remove sand dust with an air brush, etc.
2. When it is stained slightly, breathe upon it and wipe away with the specified cleaning cloth.
For other stains than the above, wipe the stains away with the specified cloth into which a cleaning liquid has been soaked.

Cleaning liquid **LENS LUSTER** (Manufactured by Edmund Scientific Co.), etc.

HOW TO CLEAN SCREEN

When cleaning the screen, use a soft cloth so as not to damage the screen.

1. Wipe the stain away with a diluted neutral detergent soaked cloth.
2. Wipe the detergent away with a water soaked cloth.
3. Wipe the screen with a dry cloth to remove moisture on the screen.

Note : Absolutely do not use alcohol, benzine, thinner, etc. for cleaning in order not to wipe away the black print on the surface.

CHASSIS REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

CAUTION: The international hazard symbols "△" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 2. Do not degrade the safety of the receiver through improper servicing.

NOTICE: The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.

Model TW56D90

ABBREVIATIONS:

Capacitors..... CD	: Ceramic Disk	PF : Plastic Film	EL : Electrolytic
Resistors..... CF	: Carbon Film	CC : Carbon Composition	MF : Metal Film
OMF	: Oxide Metal Film	VR : Variable Resistor	FR : Fusible Resistor

(All CD and PF capacitors are $\pm 5\%$, 50V and all resistors, $\pm 5\%$, 1/6W unless otherwise noted.)

Location No.	Part No.	Description
CAPACITORS		
C060	24763471	EL, 470 μ F, $\pm 20\%$, 16V
C061	24203470	EL, 47 μ F, $\pm 20\%$, 16V
C062	24763101	EL, 100 μ F, $\pm 20\%$, 16V
C063	24205479	EL, 4.7 μ F, $\pm 20\%$, 35V
C064	24797330	EL, 33 μ F, $\pm 20\%$, 50V
C065	24763101	EL, 100 μ F, $\pm 20\%$, 16V
C066	24203470	EL, 47 μ F, $\pm 20\%$, 16V
C067	24763101	EL, 100 μ F, $\pm 20\%$, 16V
C068	24205479	EL, 4.7 μ F, $\pm 20\%$, 35V
C069	24232103	CD, 0.01 μ F, +80%, -20%
C070	24232103	CD, 0.01 μ F, +80%, -20%
C071	24232103	CD, 0.01 μ F, +80%, -20%
C072	24232103	CD, 0.01 μ F, +80%, -20%
C180	24085967	EL, 47 μ F, $\pm 20\%$, 16V, Non-Polar
C203	24206229	EL, 2.2 μ F, 50V
C220	24474101	CD, 100pF, $\pm 10\%$
C221	24206108	EL, 0.1 μ F, 50V
C222	24206108	EL, 0.1 μ F, 50V
C223	24206108	EL, 0.1 μ F, 50V
C224	24206478	EL, 0.47 μ F, 50V
C225	24763221	EL, 220 μ F, $\pm 20\%$, 16V
C226	24763471	EL, 470 μ F, $\pm 20\%$, 16V
C228	24473560	CD, 56pF
C230	24591182	PF, 1800pF
C240	24436470	CD, 47pF
C241	24436180	CD, 18pF
C242	24436680	CD, 68pF
C245	24591683	PF, 0.068 μ F
C246	24206010	EL, 1 μ F, 50V
C247	24591182	PF, 1800pF
C248	24436471	CD, 470pF
C263	24232103	CD, 0.01 μ F, +80%, -20%
C264	24591104	PF, 0.1 μ F
C265	24763221	EL, 220 μ F, $\pm 20\%$, 16V
C266	24591104	PF, 0.1 μ F
C267	24232103	CD, 0.01 μ F, +80%, -20%
C268	24763471	EL, 470 μ F, $\pm 20\%$, 16V
C270	24206229	EL, 2.2 μ F, 50V
C271	24205100	EL, 10 μ F, $\pm 20\%$, 35V

Location No.	Part No.	Description
C272	24794100	EL, 10 μ F, $\pm 20\%$, 16V
C273	24206228	EL, 0.22 μ F, 50V
C274	24206229	EL, 2.2 μ F, 50V
C277	24591104	PF, 0.1 μ F
C280	24763101	EL, 100 μ F, $\pm 20\%$, 16V
C281	24436101	CD, 100pF
C282	24436101	CD, 100pF
C283	24436101	CD, 100pF
C284	24763221	EL, 220 μ F, $\pm 20\%$, 16V
C285	24763221	EL, 220 μ F, $\pm 20\%$, 16V
C286	24232103	CD, 0.01 μ F, +80%, -20%
C290	24085958	EL, 1 μ F, $\pm 20\%$, 50V, Non-Polar
C291	24591102	PF, 1000pF
C292	24815561	Chip, 560pF, $\pm 10\%$
C293	24591202	PF, 2000pF
C315	24677100	EL, 10 μ F, $\pm 20\%$, 160V
C330	24214101	CD, 100pF, $\pm 10\%$, 500V
C331	24676100	EL, 10 μ F, $\pm 20\%$, 100V
C332	24677221	EL, 220 μ F, $\pm 20\%$, 160V
C333	24214332	CD, 3300pF, $\pm 10\%$, 500V
C334	24617912	EL, 2.2 μ F, $\pm 10\%$, 50V
C335	24666470	EL, 47 μ F, $\pm 20\%$, 16V
C336	24591123	PF, 0.012 μ F
C338	24591102	PF, 1000pF
C340	24591104	PF, 0.1 μ F
C344	24797229	EL, 2.2 μ F, $\pm 20\%$, 50V
C345	24474101	CD, 100pF, $\pm 10\%$
C360	24591203	PF, 0.02 μ F
C361	24669229	EL, 2.2 μ F, $\pm 20\%$, 50V
C362	24538184	PF, 0.18 μ F
C363	24538823	PF, 0.082 μ F
C364	24763471	EL, 470 μ F, $\pm 20\%$, 16V
C365	24617926	EL, 220 μ F, $\pm 20\%$, 16V
C366	24669100	EL, 10 μ F, $\pm 20\%$, 50V
C368	24591102	PF, 1000pF
C369	24763101	EL, 100 μ F, $\pm 20\%$, 16V
C370	24232103	CD, 0.01 μ F, +80%, -20%
C371	24232103	CD, 0.01 μ F, +80%, -20%
C401	24763101	EL, 100 μ F, $\pm 20\%$, 16V
C402	24232103	CD, 0.01 μ F, +80%, -20%

Location No.	Part No.	Description
C403	24794221	EL, 220 μ F, \pm 20%, 16V
C409	24474102	CD, 1000pF, \pm 10%
C412	24591123	PF, 0.012 μ F
C413	24591392	PF, 3900pF
C414	24797010	EL, 1 μ F, \pm 20%, 50V
C415	24214332	CD, 3300pF, \pm 10%, 500V
C417	24214391	CD, 390pF, \pm 10%, 500V
C418	24677100	EL, 10 μ F, \pm 20%, 160V
C420	24763101	EL, 100 μ F, \pm 20%, 16V
C421	24591104	PF, 0.1 μ F
C422	24212102	CD, 1000pF, \pm 10%
C424	24538104	PF, 0.1 μ F
C425	24538104	PF, 0.1 μ F
C426	24677100	EL, 10 μ F, \pm 20%, 160V
C428	24214391	CD, 390pF, \pm 10%, 500V
C429	24214332	CD, 3300pF, \pm 10%, 500V
C430	24212152	CD, 1500pF, \pm 10%
△C431	24095778	PF, 2200pF, \pm 3%, 2kV
△C432	24095774	PF, 3300pF, \pm 3%, 1400V
△C433	24095774	PF, 3300pF, \pm 3%, 1400V
C436	24828563	PF, 0.056 μ F, 200V
△C440	24095893	PF, 6200pF, \pm 3%, 1250V
△C441	24095893	PF, 6200pF, \pm 3%, 1250V
△C442	24095753	PF, 0.39 μ F, 200V
△C443	24095629	PF, 0.62 μ F, 200V
C447	24679330	EL, 33 μ F, \pm 20%, 250V
C448	24640908	EL, 33 μ F, \pm 20%, 160V
C449	24666102	EL, 1000 μ F, \pm 20%, 16V
C451	24669479	EL, 4.7 μ F, \pm 20%, 50V
C452	24666100	EL, 10 μ F, \pm 20%, 16V
C453	24212102	CD, 1000pF, \pm 10%
C457	24666100	EL, 10 μ F, \pm 20%, 16V
C458	24214102	CD, 1000pF, \pm 10%, 500V
C463	24212152	CD, 1500pF, \pm 10%
C466	24666102	EL, 1000 μ F, \pm 20%, 16V
C476	24092338	CD, 270pF, \pm 10%, 2kV
C481	24666220	EL, 22 μ F, \pm 20%, 16V
C492	24086917	EL, 470 μ F, \pm 20%, 160V
C501	24591333	PF, 0.033 μ F
C502	24591333	PF, 0.033 μ F
C503	24473330	CD, 33pF
C507	24473010	CD, 1 μ F, \pm 20%, 50V
C508	24591472	PF, 4700pF
C509	24473120	CD, 12pF
C510	24206229	EL, 2.2 μ F, 50V
C514	24591333	PF, 0.033 μ F
C516	24473330	CD, 33pF
C517	24473330	CD, 33pF
C572	24763101	EL, 100 μ F, \pm 20%, 16V
C573	24814103	Chip, 0.01 μ F, +80%, -20%
C574	24763101	EL, 100 μ F, \pm 20%, 16V
C575	24763101	EL, 100 μ F, \pm 20%, 16V
C601	24591223	PF, 0.022 μ F
C602	24591223	PF, 0.022 μ F
C603	24669479	EL, 4.7 μ F, \pm 20%, 50V
C604	24669479	EL, 4.7 μ F, \pm 20%, 50V
C605	24667101	EL, 100 μ F, \pm 20%, 25V
C606	24667101	EL, 100 μ F, \pm 20%, 25V
C607	24591104	PF, 0.1 μ F
C608	24591104	PF, 0.1 μ F
C609	24669102	EL, 1000 μ F, \pm 20%, 50V
C610	24669102	EL, 1000 μ F, \pm 20%, 50V
C615	24667221	EL, 220 μ F, \pm 20%, 25V
C616	24669471	EL, 470 μ F, \pm 20%, 50V

Location No.	Part No.	Description
C621	24669100	EL, 10 μ F, \pm 20%, 50V
C622	24591103	PF, 0.01 μ F
C623	24669479	EL, 4.7 μ F, \pm 20%, 50V
C624	24669479	EL, 4.7 μ F, \pm 20%, 50V
C625	24667101	EL, 100 μ F, \pm 20%, 25V
C626	24667101	EL, 100 μ F, \pm 20%, 25V
C627	24591104	PF, 0.1 μ F
C628	24591104	PF, 0.1 μ F
C629	24669102	EL, 1000 μ F, \pm 20%, 50V
C630	24669102	EL, 1000 μ F, \pm 20%, 50V
C631	24667221	EL, 220 μ F, \pm 20%, 25V
C632	24669471	EL, 470 μ F, \pm 20%, 50V
C641	24669100	EL, 10 μ F, \pm 20%, 50V
C642	24591103	PF, 0.01 μ F
C643	24669479	EL, 4.7 μ F, \pm 20%, 50V
C644	24669479	EL, 4.7 μ F, \pm 20%, 50V
C645	24667101	EL, 100 μ F, \pm 20%, 25V
C646	24667101	EL, 100 μ F, \pm 20%, 25V
C647	24591104	PF, 0.1 μ F
C648	24591104	PF, 0.1 μ F
C649	24669102	EL, 1000 μ F, \pm 20%, 50V
C650	24669102	EL, 1000 μ F, \pm 20%, 50V
C651	24667221	EL, 220 μ F, \pm 20%, 25V
C652	24669471	EL, 470 μ F, \pm 20%, 50V
C701	24436101	CD, 100pF
C702	24436220	CD, 22pF
C703	24436681	CD, 680pF
C705	24795101	EL, 100 μ F, \pm 20%, 25V
C706	24436101	CD, 100pF
C707	24436220	CD, 22pF
C708	24436681	CD, 680pF
C709	24795101	EL, 100 μ F, \pm 20%, 25V
C711	24436101	CD, 100pF
C712	24436220	CD, 22pF
C713	24436681	CD, 680pF
C714	24436101	CD, 100pF
C715	24436220	CD, 22pF
C716	24436681	CD, 680pF
C717	24797101	EL, 100 μ F, \pm 20%, 50V
C718	24795101	EL, 100 μ F, \pm 20%, 25V
C719	24436101	CD, 100pF
C720	24436220	CD, 22pF
C721	24436681	CD, 680pF
C722	24795101	EL, 100 μ F, \pm 20%, 25V
C723	24795101	EL, 100 μ F, \pm 20%, 25V
C724	24436101	CD, 100pF
C725	24436220	CD, 22pF
C726	24436681	CD, 680pF
C750	24538474	PF, 0.47 μ F
C751	24538474	PF, 0.47 μ F
C752	24538474	PF, 0.47 μ F
C753	24795101	EL, 100 μ F, \pm 20%, 25V
C754	24795101	EL, 100 μ F, \pm 20%, 25V
C755	24538103	PF, 0.01 μ F
C760	24797101	EL, 100 μ F, \pm 20%, 50V
C761	24795101	EL, 100 μ F, \pm 20%, 25V
C801	24095820	PF, 0.1 μ F, \pm 10%, 630V
△C802	24092300	CD, 0.01 μ F, +80%, -20%, AC250V
△C803	24092300	CD, 0.01 μ F, +80%, -20%, AC250V
△C804	24082001	PF, 0.47 μ F, \pm 20%, AC125V
C805	24095820	PF, 0.1 μ F, \pm 10%, 630V
C806	24092345	CD, 1000pF, \pm 10%, 2kV

Location No.	Part No.	Description
C807	24538474	PF, 0.47 μ F
C808	24214331	CD, 330pF, \pm 10%, 500V
C809	24092345	CD, 1000pF, \pm 10%, 2kV
△ C810	24086933	EL, 1000 μ F, \pm 20%, 200V
△ C811	24094837	CD, 3300pF, AC400V
C812	24092300	CD, 0.01 μ F, +80%, -20%, AC250V
△ C813	24094837	CD, 3300pF, AC400V
C814	24092335	CD, 150pF, \pm 10%, 2kV
C815	24214331	CD, 330pF, \pm 10%, 500V
C816	24591102	PF, 1000pF
C817	24214331	CD, 330pF, \pm 10%, 500V
C818	24617915	EL, 1 μ F, \pm 10%, 50V
C819	24591102	PF, 1000pF
C820	24214331	CD, 330pF, \pm 10%, 500V
C821	24676331	EL, 330 μ F, \pm 20%, 100V
△ C822	24094820	CD, 2200pF, \pm 20%, AC400V
△ C823	24094820	CD, 2200pF, \pm 20%, AC400V
C825	24214331	CD, 330pF, \pm 10%, 500V
C826	24669471	EL, 470 μ F, \pm 20%, 50V
C827	24214331	CD, 330pF, \pm 10%, 500V
C828	24214821	CD, 820pF, \pm 10%, 500V
C829	24667472	EL, 4700 μ F, \pm 20%, 25V
C830	24092300	CD, 0.01 μ F, +80%, -20%, AC250V
C831	24669221	EL, 220 μ F, \pm 20%, 50V
C832	24669010	EL, 1 μ F, \pm 20%, 50V
△ C833	24094820	CD, 2200pF, \pm 20%, AC400V
△ C834	24094820	CD, 2200pF, \pm 20%, AC400V
△ C835	24094820	CD, 2200pF, \pm 20%, AC400V
C836	24214821	CD, 820pF, \pm 10%, 500V
C837	24667472	EL, 4700 μ F, \pm 20%, 25V
C838	24214331	CD, 330pF, \pm 10%, 500V
C839	24214821	CD, 820pF, \pm 10%, 500V
C840	24764102	EL, 1000 μ F, \pm 20%, 25V
C841	24667472	EL, 4700 μ F, \pm 20%, 25V
C842	24095680	PF, 0.1 μ F, 200V
C843	24591104	PF, 0.1 μ F
C844	24761102	EL, 1000 μ F, \pm 20%, 6.3V
C845	24763471	EL, 470 μ F, \pm 20%, 16V
C846	24762221	EL, 220 μ F, \pm 20%, 10V
C847	24763471	EL, 470 μ F, \pm 20%, 16V
C848	24763471	EL, 470 μ F, \pm 20%, 16V
C849	24591104	PF, 0.1 μ F
C850	24591104	PF, 0.1 μ F
C859	24092345	CD, 1000pF, \pm 10%, 2kV
C860	24591102	PF, 1000pF
C861	24214331	CD, 330pF, \pm 10%, 500V
C862	24214331	CD, 330pF, \pm 10%, 500V
C863	24676101	EL, 100 μ F, \pm 20%, 100V
C864	24092335	CD, 150pF, \pm 10%, 2kV
C865	24092346	CD, 1200pF, \pm 10%, 2kV
C866	24092345	CD, 1000pF, \pm 10%, 2kV
C867	24591104	PF, 0.1 μ F
C868	24214331	CD, 330pF, \pm 10%, 500V
C869	24591102	PF, 1000pF
C870	24617915	EL, 1 μ F, \pm 10%, 50V
C871	24669220	EL, 22 μ F, \pm 20%, 50V
C881	24092341	CD, 470pF, \pm 10%, 2kV
C882	24092341	CD, 470pF, \pm 10%, 2kV
C883	24214821	CD, 820pF, \pm 10%, 500V
C884	24086917	EL, 470 μ F, \pm 20%, 160V
C885	24092344	CD, 820pF, \pm 10%, 2kV
△ C886	24082001	PF, 0.47 μ F, \pm 20%, AC125V

Location No.	Part No.	Description
C887	24214331	CD, 330pF, \pm 10%, 500V
C888	24092337	CD, 220pF, \pm 10%, 2kV
C889	24669222	EL, 2200 μ F, \pm 20%, 50V
C890	24092338	CD, 270pF, \pm 10%, 2kV
C891	24667472	EL, 4700 μ F, \pm 20%, 25V
C892	24677101	EL, 100 μ F, \pm 20%, 160V
C893	24214102	CD, 1000pF, \pm 10%, 500V
C894	24214102	CD, 1000pF, \pm 10%, 500V
C895	24092300	CD, 0.01 μ F, +80%, -20%, AC250V
C896	24214821	CD, 820pF, \pm 10%, 500V
C899	24214331	CD, 330pF, \pm 10%, 500V
C902	24211102	CD, 1000pF, \pm 10%, 2kV
C903	24211102	CD, 1000pF, \pm 10%, 2kV
C904	24211102	CD, 1000pF, \pm 10%, 2kV
C905	24794101	EL, 100 μ F, \pm 20%, 16V
C906	24794101	EL, 100 μ F, \pm 20%, 16V
C907	24794101	EL, 100 μ F, \pm 20%, 16V
C908	24232103	CD, 0.01 μ F, +80%, -20%
C909	24232103	CD, 0.01 μ F, +80%, -20%
C910	24797478	EL, 0.47 μ F, \pm 20%, 50V
C911	24436511	CD, 510pF
C912	24436821	CD, 820pF
C913	24436751	CD, 750pF
C914	24203100	EL, 10 μ F, \pm 20%, 16V
C915	24794471	EL, 470 μ F, \pm 20%, 16V
C916	24203100	EL, 10 μ F, \pm 20%, 16V
C918	24679330	EL, 33 μ F, \pm 20%, 250V
C919	24679330	EL, 33 μ F, \pm 20%, 250V
C920	24679330	EL, 33 μ F, \pm 20%, 250V
C922	24794102	EL, 1000 μ F, \pm 20%, 16V
C924	24232103	CD, 0.01 μ F, +80%, -20%
CA03	24474101	CD, 100pF, \pm 10%
CA08	24476103	CD, 0.01 μ F, \pm 30%, 16V
CA16	24473120	CD, 12pF
CA17	24473120	CD, 12pF
CA18	24232103	CD, 0.01 μ F, +80%, -20%
CA19	24590104	PF, 0.1 μ F
CA20	24591104	PF, 0.1 μ F
CA21	24436221	CD, 220pF
CA22	24794100	EL, 10 μ F, \pm 20%, 16V
CA23	24794100	EL, 10 μ F, \pm 20%, 16V
CA26	24794100	EL, 10 μ F, \pm 20%, 16V
CA29	24474820	CD, 82pF, \pm 10%
CA41	24591103	PF, 0.01 μ F
CA42	24794100	EL, 10 μ F, \pm 20%, 16V
CA47	24761222	EL, 2200 μ F, \pm 20%, 6.3V
CA48	24665101	EL, 100 μ F, \pm 20%, 10V
CA50	24474102	CD, 1000pF, \pm 10%
CA51	24474102	CD, 1000pF, \pm 10%
CA53	24474101	CD, 100pF, \pm 10%
CA54	24794100	EL, 10 μ F, \pm 20%, 16V
CA55	24794100	EL, 10 μ F, \pm 20%, 16V
CA65	24794100	EL, 10 μ F, \pm 20%, 16V
CB41	24206229	EL, 2.2 μ F, 50V
CB42	24591102	PF, 1000pF
CB43	24474561	CD, 560pF, \pm 10%
CB44	24794100	EL, 10 μ F, \pm 20%, 16V
CB45	24591132	PF, 1300pF
CB71	24436470	CD, 47pF
CB72	24436820	CD, 82pF
CB73	24203470	EL, 47 μ F, \pm 20%, 16V
CB74	24206010	EL, 1 μ F, 50V
CB75	24794100	EL, 10 μ F, \pm 20%, 16V

Location No.	Part No.	Description
CB80	24232103	CD, 0.01 μ F, +80%, -20%
CC02	24700229	EL, 2.2 μ F, \pm 20%, 250V
CC70	24669222	EL, 2200 μ F, \pm 20%, 50V
CC71	24669222	EL, 2200 μ F, \pm 20%, 50V
CF01	24795101	EL, 100 μ F, \pm 20%, 25V
CF02	24794101	EL, 100 μ F, \pm 20%, 16V
CF03	24795101	EL, 100 μ F, \pm 20%, 25V
CF04	24794101	EL, 100 μ F, \pm 20%, 16V
CF05	24794101	EL, 100 μ F, \pm 20%, 16V
CF06	24794101	EL, 100 μ F, \pm 20%, 16V
CF07	24795101	EL, 100 μ F, \pm 20%, 25V
CF08	24795101	EL, 100 μ F, \pm 20%, 25V
CF09	24794101	EL, 100 μ F, \pm 20%, 16V
CF23	24794101	EL, 100 μ F, \pm 20%, 16V
CG01	24797220	EL, 22 μ F, \pm 20%, 50V
CG02	24794222	EL, 2200 μ F, \pm 20%, 16V
CG03	24538333	PF, 0.033 μ F
CH01	24794470	EL, 47 μ F, \pm 20%, 16V
CH02	24794470	EL, 47 μ F, \pm 20%, 16V
CH03	24538103	PF, 0.01 μ F
CH04	24794101	EL, 100 μ F, \pm 20%, 16V
CH05	24436820	CD, 82pF
CH06	24538103	PF, 0.01 μ F
CH07	24212222	CD, 2200pF, \pm 10%
CH08	24538103	PF, 0.01 μ F
CH09	24794470	EL, 47 μ F, \pm 20%, 16V
CH10	24436101	CD, 100pF
CH11	24436101	CD, 100pF
CH12	24590472	PF, 4700pF
CH13	24590472	PF, 4700pF
CH14	24677100	EL, 10 μ F, \pm 20%, 160V
CH15	24677470	EL, 47 μ F, \pm 20%, 160V
CH16	24677470	EL, 47 μ F, \pm 20%, 160V
CH17	24677100	EL, 10 μ F, \pm 20%, 160V
CH18	24434560	CD, 56pF, \pm 10%, 500V
CH19	24436300	CD, 30pF
CH41	24794470	EL, 47 μ F, \pm 20%, 16V
CH42	24794470	EL, 47 μ F, \pm 20%, 16V
CH43	24538103	PF, 0.01 μ F
CH44	24794101	EL, 100 μ F, \pm 20%, 16V
CH45	24436820	CD, 82pF
CH46	24538103	PF, 0.01 μ F
CH47	24212222	CD, 2200pF, \pm 10%
CH48	24538103	PF, 0.01 μ F
CH49	24794470	EL, 47 μ F, \pm 20%, 16V
CH50	24436101	CD, 100pF
CH51	24436101	CD, 100pF
CH52	24590472	PF, 4700pF
CH53	24590472	PF, 4700pF
CH54	24677100	EL, 10 μ F, \pm 20%, 160V
CH55	24677470	EL, 47 μ F, \pm 20%, 160V
CH56	24677470	EL, 47 μ F, \pm 20%, 160V
CH57	24677100	EL, 10 μ F, \pm 20%, 160V
CH58	24434560	CD, 56pF, \pm 10%, 500V
CH59	24436300	CD, 30pF
CJ01	24764101	EL, 100 μ F, \pm 20%, 16V
CJ02	24538334	PF, 0.33 μ F
CJ03	24538334	PF, 0.33 μ F
CJ04	24794102	EL, 1000 μ F, \pm 20%, 16V
CJ05	24764101	EL, 100 μ F, \pm 20%, 16V
CJ06	24538334	PF, 0.33 μ F
CJ07	24538334	PF, 0.33 μ F
CJ08	24794102	EL, 1000 μ F, \pm 20%, 16V
CJ09	24436361	CD, 360pF

Location No.	Part No.	Description
CJ10	24794100	EL, 10 μ F, \pm 20%, 16V
CJ11	24082222	PF, 0.22 μ F
CJ12	24538473	PF, 0.047 μ F
CJ13	24794100	EL, 10 μ F, \pm 20%, 16V
CJ14	24232473	CD, 0.047 μ F, +80%, -20%
CJ15	24797229	EL, 2.2 μ F, \pm 20%, 50V
CJ16	24598132	PF, 1300pF
CJ17	24538224	PF, 0.22 μ F
CJ18	24598331	PF, 330pF
CJ19	24598472	PF, 4700pF
CJ20	24082222	PF, 0.22 μ F
CJ21	24794101	EL, 100 μ F, \pm 20%, 16V
CJ22	24794101	EL, 100 μ F, \pm 20%, 16V
CJ23	24794101	EL, 100 μ F, \pm 20%, 16V
CJ24	24794101	EL, 100 μ F, \pm 20%, 16V
CJ25	24794100	EL, 10 μ F, \pm 20%, 16V
CJ26	24797010	EL, 1 μ F, \pm 20%, 50V
CJ27	24598331	PF, 330pF
CJ28	24538124	PF, 0.12 μ F
CJ29	24538124	PF, 0.12 μ F
CJ30	24538124	PF, 0.12 μ F
CJ31	24538124	PF, 0.12 μ F
CJ51	24794470	EL, 47 μ F, \pm 20%, 16V
CJ52	24794470	EL, 47 μ F, \pm 20%, 16V
CJ53	24794470	EL, 47 μ F, \pm 20%, 16V
CJ54	24794470	EL, 47 μ F, \pm 20%, 16V
CJ55	24538473	PF, 0.047 μ F
CJ56	24598561	PF, 560pF
CJ57	24232473	CD, 0.047 μ F, +80%, -20%
CJ58	24232473	CD, 0.047 μ F, +80%, -20%
CJ59	24232473	CD, 0.047 μ F, +80%, -20%
CJ60	24794470	EL, 47 μ F, \pm 20%, 16V
CJ61	24538104	PF, 0.1 μ F
CJ80	24794100	EL, 10 μ F, \pm 20%, 16V
CJ81	24538223	PF, 0.022 μ F
CJ89	24538104	PF, 0.1 μ F
CJ90	24436331	CD, 330pF
CJ92	24591222	PF, 2200pF
CJ93	24538393	PF, 0.039 μ F
CJ94	24591472	PF, 4700pF
CJ95	24538154	PF, 0.15 μ F
CM01	24092017	CD, 0.1 μ F, +80%, -20%, 12V
CM04	24085970	EL, 10 μ F, \pm 20%, 16V, Non-Polar
CM05	24436301	CD, 300pF
CM33	24092017	CD, 0.1 μ F, +80%, -20%, 12V
CM42	24092017	CD, 0.1 μ F, +80%, -20%, 12V
CM43	24202221	EL, 220 μ F, \pm 20%, 10V
CM65	24501102	PF, 1000pF
CM66	24538104	PF, 0.1 μ F
CM68	24232103	CD, 0.01 μ F, +80%, -20%
CM69	24203101	EL, 100 μ F, \pm 20%, 16V
CM71	24538104	PF, 0.1 μ F
CM72	24206010	EL, 1 μ F, 50V
CM73	24538103	PF, 0.01 μ F
CM74	24206010	EL, 1 μ F, 50V
CN01	24206479	EL, 4.7 μ F, 50V
CN02	24206479	EL, 4.7 μ F, 50V
CN03	24206479	EL, 4.7 μ F, 50V
CN04	24206479	EL, 4.7 μ F, 50V
CN05	24206479	EL, 4.7 μ F, 50V
CN06	24794100	EL, 10 μ F, \pm 20%, 16V
CN07	24206010	EL, 1 μ F, 50V
CN08	24206010	EL, 1 μ F, 50V

Location No.	Part No.	Description
CN09	24794100	EL, 10 μ F, \pm 20%, 16V
CN10	24794100	EL, 10 μ F, \pm 20%, 16V
CN11	24794100	EL, 10 μ F, \pm 20%, 16V
CN12	24232103	CD, 0.01 μ F, +80%, -20%
CN13	24763471	EL, 470 μ F, \pm 20%, 16V
CN14	24763471	EL, 470 μ F, \pm 20%, 16V
CN15	24794100	EL, 10 μ F, \pm 20%, 16V
CN16	24794100	EL, 10 μ F, \pm 20%, 16V
CN17	24206339	EL, 3.3 μ F, 50V
CN18	24794100	EL, 10 μ F, \pm 20%, 16V
CN19	24794100	EL, 10 μ F, \pm 20%, 16V
CN20	24794100	EL, 10 μ F, \pm 20%, 16V
CN21	24794100	EL, 10 μ F, \pm 20%, 16V
CN22	24794100	EL, 10 μ F, \pm 20%, 16V
CN23	24591333	PF, 0.033 μ F
CN24	24591104	PF, 0.1 μ F
CN25	24763101	EL, 100 μ F, \pm 20%, 16V
CN26	24794100	EL, 10 μ F, \pm 20%, 16V
CN27	24794100	EL, 10 μ F, \pm 20%, 16V
CN28	24763471	EL, 470 μ F, \pm 20%, 16V
CN29	24763101	EL, 100 μ F, \pm 20%, 16V
CN30	24794100	EL, 10 μ F, \pm 20%, 16V
CN31	24794100	EL, 10 μ F, \pm 20%, 16V
CN32	24763221	EL, 220 μ F, \pm 20%, 16V
CN33	24794470	EL, 47 μ F, \pm 20%, 16V
CP01	24781330	Chip, 33pF
CP02	24590332	PF, 3300pF
CP03	24590332	PF, 3300pF
CP04	24781330	Chip, 33pF
CP05	24203100	EL, 10 μ F, \pm 20%, 16V
CP06	24203100	EL, 10 μ F, \pm 20%, 16V
CP07	24203100	EL, 10 μ F, \pm 20%, 16V
CP08	24203100	EL, 10 μ F, \pm 20%, 16V
CP09	24203100	EL, 10 μ F, \pm 20%, 16V
CP10	24203100	EL, 10 μ F, \pm 20%, 16V
CP11	24203100	EL, 10 μ F, \pm 20%, 16V
CP12	24203100	EL, 10 μ F, \pm 20%, 16V
CP13	24085988	EL, 1 μ F, \pm 20%, 50V, Non-Polar
CP14	24085988	EL, 1 μ F, \pm 20%, 50V, Non-Polar
CP15	24763101	EL, 100 μ F, \pm 20%, 16V
CP16	24203100	EL, 10 μ F, \pm 20%, 16V
CP17	24538104	PF, 0.1 μ F
CP20	24781221	Chip, 220pF, SL
CP21	24590682	PF, 6800pF
CP22	24781391	Chip, 390pF, SL
CP23	24781101	Chip, 100pF, SL
CP24	24206010	EL, 1 μ F, 50V
CP25	24590272	PF, 2700pF
CP26	24781330	Chip, 33pF
CP27	24590682	PF, 6800pF
CP28	24781391	Chip, 390pF, SL
CP29	24590272	PF, 2700pF
CP30	24203100	EL, 10 μ F, \pm 20%, 16V
CP31	24781330	Chip, 33pF
CP32	24781101	Chip, 100pF, SL
CP33	24206010	EL, 1 μ F, 50V
CP34	24590272	PF, 2700pF
CP35	24590682	PF, 6800pF
CP36	24781391	Chip, 390pF, SL
CP37	24781680	Chip, 68pF, SL
CP38	24203100	EL, 10 μ F, \pm 20%, 16V
CP39	24203100	EL, 10 μ F, \pm 20%, 16V

Location No.	Part No.	Description
CP40	24203100	EL, 10 μ F, \pm 20%, 16V
CP41	24203100	EL, 10 μ F, \pm 20%, 16V
CP42	24203100	EL, 10 μ F, \pm 20%, 16V
CP43	24203100	EL, 10 μ F, \pm 20%, 16V
CP44	24590154	PF, 0.15 μ F
CP45	24203100	EL, 10 μ F, \pm 20%, 16V
CP46	24781680	Chip, 68pF, SL
CP47	24203100	EL, 10 μ F, \pm 20%, 16V
CP48	24781101	Chip, 100pF, SL
CP49	24203100	EL, 10 μ F, \pm 20%, 16V
CP50	24203100	EL, 10 μ F, \pm 20%, 16V
CP51	24781680	Chip, 68pF, SL
CP52	24203100	EL, 10 μ F, \pm 20%, 16V
CP53	24763471	EL, 470 μ F, \pm 20%, 16V
CP54	24763471	EL, 470 μ F, \pm 20%, 16V
CP55	24814103	Chip, 0.01 μ F, +80%, -20%
CP56	24203100	EL, 10 μ F, \pm 20%, 16V
CP57	24203100	EL, 10 μ F, \pm 20%, 16V
CP58	24203100	EL, 10 μ F, \pm 20%, 16V
CP59	24206339	EL, 3.3 μ F, 50V
CP60	24203100	EL, 10 μ F, \pm 20%, 16V
CP61	24206010	EL, 1 μ F, 50V
CP62	24206010	EL, 1 μ F, 50V
CP63	24203100	EL, 10 μ F, \pm 20%, 16V
CP64	24203100	EL, 10 μ F, \pm 20%, 16V
CP65	24203100	EL, 10 μ F, \pm 20%, 16V
CP66	24814103	Chip, 0.01 μ F, +80%, -20%
CP69	24205479	EL, 4.7 μ F, \pm 20%, 35V
CP70	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CP71	24538104	PF, 0.1 μ F
CP72	24763221	EL, 220 μ F, \pm 20%, 16V
CP73	24763221	EL, 220 μ F, \pm 20%, 16V
CP74	24538104	PF, 0.1 μ F
CP75	24203220	EL, 22 μ F, \pm 20%, 16V
CP76	24203220	EL, 22 μ F, \pm 20%, 16V
CP77	24814103	Chip, 0.01 μ F, +80%, -20%
CP78	24763101	EL, 100 μ F, \pm 20%, 16V
CP81	24781221	Chip, 220pF, SL
CP90	24815682	Chip, 6800pF, \pm 10%
CP91	24815682	Chip, 6800pF, \pm 10%
CS03	24436391	CD, 390pF
CS04	24206010	EL, 1 μ F, 50V
CS05	24203100	EL, 10 μ F, \pm 20%, 16V
CS06	24203100	EL, 10 μ F, \pm 20%, 16V
CS07	24436391	CD, 390pF
CS08	24206010	EL, 1 μ F, 50V
CS09	24436391	CD, 390pF
CS10	24206229	EL, 2.2 μ F, 50V
CS11	24436391	CD, 390pF
CS12	24206229	EL, 2.2 μ F, 50V
CS13	24436391	CD, 390pF
CS14	24436391	CD, 390pF
CS15	24436391	CD, 390pF
CS16	24206229	EL, 2.2 μ F, 50V
CS17	24436391	CD, 390pF
CS23	24203100	EL, 10 μ F, \pm 20%, 16V
CS24	24203100	EL, 10 μ F, \pm 20%, 16V
CS30	24206229	EL, 2.2 μ F, 50V
CS31	24206229	EL, 2.2 μ F, 50V
CS32	24206229	EL, 2.2 μ F, 50V
CV01	24763101	EL, 100 μ F, \pm 20%, 16V
CV02	24203470	EL, 47 μ F, \pm 20%, 16V
CV03	24085939	EL, 4.7 μ F, \pm 20%, 25V,

Location No.	Part No.	Description
		Non-Polar
CV04	24203100	EL, 10 μ F, \pm 20%, 16V
CV05	24203100	EL, 10 μ F, \pm 20%, 16V
CV06	24203100	EL, 10 μ F, \pm 20%, 16V
CV08	24762102	EL, 1000 μ F, \pm 20%, 10V
CV09	24203100	EL, 10 μ F, \pm 20%, 16V
CV10	24203100	EL, 10 μ F, \pm 20%, 16V
CV11	24232103	CD, 0.01 μ F, +80%, -20%
CV13	24232103	CD, 0.01 μ F, +80%, -20%
CV14	24232103	CD, 0.01 μ F, +80%, -20%
CV16	24203100	EL, 10 μ F, \pm 20%, 16V
CV18	24763471	EL, 470 μ F, \pm 20%, 16V
CV21	24436150	CD, 15pF
CV22	24203470	EL, 47 μ F, \pm 20%, 16V
CV26	24763471	EL, 470 μ F, \pm 20%, 16V
CV41	24212102	CD, 1000pF, \pm 10%
CV47	24476103	CD, 0.01 μ F, \pm 30%, 16V
CV48	24474102	CD, 1000pF, \pm 10%
CV60	24203470	EL, 47 μ F, \pm 20%, 16V
CV61	24232103	CD, 0.01 μ F, +80%, -20%
CV70	24762102	EL, 1000 μ F, \pm 20%, 10V
CV99	24232103	CD, 0.01 μ F, +80%, -20%
CX02	24794100	EL, 10 μ F, \pm 20%, 16V
CX03	24794100	EL, 10 μ F, \pm 20%, 16V
CX04	24794100	EL, 10 μ F, \pm 20%, 16V
CX06	24814103	Chip, 0.01 μ F, +80%, -20%
CX07	24763101	EL, 100 μ F, \pm 20%, 16V
CX09	24794220	EL, 22 μ F, \pm 20%, 16V
CX11	24814103	Chip, 0.01 μ F, +80%, -20%
CX12	24763221	EL, 220 μ F, \pm 20%, 16V
CX402	24794470	EL, 47 μ F, \pm 20%, 16V
CX403	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX404	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX405	24794470	EL, 47 μ F, \pm 20%, 16V
CX451	24763471	EL, 470 μ F, \pm 20%, 16V
CX452	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX453	24591822	PF, 8200pF
CX454	24591104	PF, 0.1 μ F
CX456	24206010	EL, 1 μ F, 50V
CX600	24781221	Chip, 220pF, SL
CX601	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX602	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX603	24762221	EL, 220 μ F, \pm 20%, 10V
CX604	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX605	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX606	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX607	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX608	24762221	EL, 220 μ F, \pm 20%, 10V
CX609	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX610	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX611	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX612	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX613	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX614	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX615	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX616	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX617	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX700	24763101	EL, 100 μ F, \pm 20%, 16V
CX701	24761221	EL, 220 μ F, \pm 20%, 6.3V
CX702	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX703	24781121	Chip, 120pF, SL
CX704	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX705	24781121	Chip, 120pF, SL
CX706	24092293	Chip, 0.1 μ F, +80%, -20%, 25V

Location No.	Part No.	Description
CX707	24781121	Chip, 120pF, SL
CX708	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX709	24781121	Chip, 120pF, SL
CX710	24206229	EL, 2.2 μ F, 50V
CX711	24763101	EL, 100 μ F, \pm 20%, 16V
CX712	24794470	EL, 47 μ F, \pm 20%, 16V
CX713	24761221	EL, 220 μ F, \pm 20%, 6.3V
CX714	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX715	24202330	EL, 33 μ F, \pm 20%, 10V
CX717	24202330	EL, 33 μ F, \pm 20%, 10V
CX718	24781121	Chip, 120pF, SL
CX719	24203100	EL, 10 μ F, \pm 20%, 16V
CX720	24781121	Chip, 120pF, SL
CX721	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX722	24781820	Chip, 82pF, SL
CX723	24794220	EL, 22 μ F, \pm 20%, 16V
CX724	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX725	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX727	24794220	EL, 22 μ F, \pm 20%, 16V
CX728	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX729	24794220	EL, 22 μ F, \pm 20%, 16V
CX731	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX733	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX734	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX735	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX736	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX737	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX738	24781101	Chip, 100pF, SL
CX739	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX740	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX801	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX802	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX803	24781271	Chip, 270pF, SL
CX804	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX805	24781271	Chip, 270pF, SL
CX806	24781271	Chip, 270pF, SL
CX807	24781820	Chip, 82pF, SL
CX808	24781330	Chip, 33pF
CX809	24781820	Chip, 82pF, SL
CX810	24781820	Chip, 82pF, SL
CX811	24781330	Chip, 33pF
CX812	24781151	Chip, 150pF
CX814	24761221	EL, 220 μ F, \pm 20%, 6.3V
CX815	24761221	EL, 220 μ F, \pm 20%, 6.3V
CX821	24781151	Chip, 150pF
CX822	24781151	Chip, 150pF
CX827	24781820	Chip, 82pF, SL
CX828	24781820	Chip, 82pF, SL
CX829	24781820	Chip, 82pF, SL
CX901	24763101	EL, 100 μ F, \pm 20%, 16V
CX902	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CX907	24781330	Chip, 33pF
CX908	24781330	Chip, 33pF
CX912	24203220	EL, 22 μ F, \pm 20%, 16V
CX918	24781121	Chip, 120pF, SL
CX919	24781121	Chip, 120pF, SL
CX920	24781121	Chip, 120pF, SL
CX921	24781121	Chip, 120pF, SL
CY03	24591223	PF, 0.022 μ F
CY05	24774121	Chip, 120pF, CH
CY06	24781201	Chip, 200pF, SL
CY07	24591562	PF, 5600pF
CY08	24781221	Chip, 220pF, SL
CY09	24781102	Chip, 1000pF, SL

Location No.	Part No.	Description
CY10	24797010	EL, 1 μ F, \pm 20%, 50V
CY11	24591183	PF, 0.018 μ F
CY12	24797479	EL, 4.7 μ F, \pm 20%, 50V
CY13	24591102	PF, 1000pF
CY14	24797010	EL, 1 μ F, \pm 20%, 50V
CY15	24814103	Chip, 0.01 μ F, +80%, -20%
CY16	24781390	Chip, 39pF, SL
CY17	24781301	Chip, 300pF, SL
CY18	24797478	EL, 0.47 μ F, \pm 20%, 50V
CY19	24794100	EL, 10 μ F, \pm 20%, 16V
CY20	24814103	Chip, 0.01 μ F, +80%, -20%
CY21	24781470	Chip, 47pF, SL
CY22	24781111	Chip, 110pF, SL
CY24	24763101	EL, 100 μ F, \pm 20%, 16V
CY25	24591104	PF, 0.1 μ F
CY26	24814103	Chip, 0.01 μ F, +80%, -20%
CY27	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY28	24206338	EL, 0.33 μ F, 50V
CY29	24814222	Chip, 2200pF, +80%, -20%
CY30	24781120	Chip, 12pF, SL
CY31	24814103	Chip, 0.01 μ F, +80%, -20%
CY32	24797010	EL, 1 μ F, \pm 20%, 50V
CY33	24814103	Chip, 0.01 μ F, +80%, -20%
CY34	24792101	EL, 100 μ F, \pm 20%, 6.3V
CY35	24781910	Chip, 91pF, SL
CY36	24781101	Chip, 100pF, SL
CY37	24781910	Chip, 91pF, SL
CY38	24781101	Chip, 100pF, SL
CY39	24781820	Chip, 82pF, SL
CY41	24201330	EL, 33 μ F, 6.3V
CY42	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY43	24206229	EL, 2.2 μ F, 50V
CY44	24206229	EL, 2.2 μ F, 50V
CY45	24206229	EL, 2.2 μ F, 50V
CY46	24781330	Chip, 33pF
CY47	24781330	Chip, 33pF
CY48	24781330	Chip, 33pF
CY49	24781330	Chip, 33pF
CY65	24085971	EL, 3.3 μ F, \pm 20%, 50V, Non-Polar
CY66	24781102	Chip, 1000pF, SL
CY69	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY70	24201470	EL, 47 μ F, 6.3V
CY71	24781330	Chip, 33pF
CY72	24781820	Chip, 82pF, SL
CY73	24781330	Chip, 33pF
CY74	24781820	Chip, 82pF, SL
CY75	24781470	Chip, 47pF, SL
CY76	24781470	Chip, 47pF, SL
CY77	24781470	Chip, 47pF, SL
CY78	24794100	EL, 10 μ F, \pm 20%, 16V
CY79	24794100	EL, 10 μ F, \pm 20%, 16V
CY80	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY81	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY82	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY83	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY84	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY85	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY86	24797010	EL, 1 μ F, \pm 20%, 50V
CY87	24201330	EL, 33 μ F, 6.3V
CY88	24781221	Chip, 220pF, SL
CY89	24781560	Chip, 56pF
CY90	24781560	Chip, 56pF
CY91	24781330	Chip, 33pF

Location No.	Part No.	Description
CY92	24781102	Chip, 1000pF, SL
CY93	24781820	Chip, 82pF, SL
CY94	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY95	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY96	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY97	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY98	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY99	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY100	24781201	Chip, 200pF, SL
CY101	24206010	EL, 1 μ F, 50V
CY103	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY104	24203100	EL, 10 μ F, \pm 20%, 16V
CY105	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY106	24774470	Chip, 47pF, CH
CY107	24774470	Chip, 47pF, CH
CY108	24774470	Chip, 47pF, CH
CY109	24774470	Chip, 47pF, CH
CY113	24794330	EL, 33 μ F, \pm 20%, 16V
CY114	24781150	Chip, 15pF, SL
CY115	24781820	Chip, 82pF, SL
CY116	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY117	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY118	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CY119	24781121	Chip, 120pF, SL
CY120	24085947	EL, 47 μ F, \pm 20%, 16V, Non-Polar
CY121	24436331	CD, 330pF
CY122	24212102	CD, 1000pF, \pm 10%
CZ01	24763101	EL, 100 μ F, \pm 20%, 16V
CZ02	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ03	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ04	24781101	Chip, 100pF, SL
CZ05	24781390	Chip, 39pF, SL
CZ06	24781150	Chip, 15pF, SL
CZ07	24763101	EL, 100 μ F, \pm 20%, 16V
CZ08	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ09	24815103	Chip, 0.01 μ F, \pm 10%
CZ10	24763101	EL, 100 μ F, \pm 20%, 16V
CZ11	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ12	24781430	Chip, 43pF, SL
CZ13	24781241	Chip, 240pF, SL
CZ14	24781101	Chip, 100pF, SL
CZ15	24085945	EL, 2.2 μ F, \pm 20%, 50V, Non-Polar
CZ16	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ17	24815102	Chip, 1000pF, \pm 10%
CZ18	24814103	Chip, 0.01 μ F, +80%, -20%
CZ19	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ20	24814103	Chip, 0.01 μ F, +80%, -20%
CZ21	24763101	EL, 100 μ F, \pm 20%, 16V
CZ22	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ23	24797339	EL, 3.3 μ F, \pm 20%, 50V
CZ24	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ25	24763101	EL, 100 μ F, \pm 20%, 16V
CZ26	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ27	24763101	EL, 100 μ F, \pm 20%, 16V
CZ28	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ29	24763101	EL, 100 μ F, \pm 20%, 16V
CZ30	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ31	24763101	EL, 100 μ F, \pm 20%, 16V
CZ32	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ33	24085945	EL, 2.2 μ F, \pm 20%, 50V, Non-Polar
CZ34	24797339	EL, 3.3 μ F, \pm 20%, 50V

Location No.	Part No.	Description
CZ35	24591184	PF, 0.18 μ F
CZ36	24797478	EL, 0.47 μ F, \pm 20%, 50V
CZ37	24591182	PF, 1800pF
CZ38	24797229	EL, 2.2 μ F, \pm 20%, 50V
CZ39	24591562	PF, 5600pF
CZ40	24797478	EL, 0.47 μ F, \pm 20%, 50V
CZ41	24815682	Chip, 6800pF, \pm 10%
CZ42	24797229	EL, 2.2 μ F, \pm 20%, 50V
CZ43	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ44	24763221	EL, 220 μ F, \pm 20%, 16V
CZ45	24794470	EL, 47 μ F, \pm 20%, 16V
CZ46	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ47	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ48	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ49	24781102	Chip, 1000pF, SL
CZ50	24815102	Chip, 1000pF, \pm 10%
CZ51	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ52	24762471	EL, 470 μ F, \pm 20%, 10V
CZ53	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ55	24781102	Chip, 1000pF, SL
CZ56	24781680	Chip, 68pF, SL
CZ57	24774110	Chip, 11pF, CH
CZ58	24781680	Chip, 68pF, SL
CZ59	24815103	Chip, 0.01 μ F, \pm 10%
CZ60	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ61	24763221	EL, 220 μ F, \pm 20%, 16V
CZ62	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ63	24763221	EL, 220 μ F, \pm 20%, 16V
CZ64	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ65	24763101	EL, 100 μ F, \pm 20%, 16V
CZ67	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
CZ71	24763221	EL, 220 μ F, \pm 20%, 16V

RESISTORS

R001	24366332	CF, 3300 ohm
R060	24366101	CF, 100 ohm
R061	24366101	CF, 100 ohm
R062	24366101	CF, 100 ohm
R063	24366101	CF, 100 ohm
R201	24366102	CF, 1k ohm
R202	24366102	CF, 1k ohm
R203	24366102	CF, 1k ohm
R204	24366332	CF, 3300 ohm
R205	24366561	CF, 560 ohm
R207	24366561	CF, 560 ohm
R210	24366151	CF, 150 ohm
R211	24366562	CF, 5600 ohm
R212	24366101	CF, 100 ohm
R213	24366334	CF, 330k ohm
R221	24366201	CF, 200 ohm
R222	24366201	CF, 200 ohm
R223	24366201	CF, 200 ohm
R224	24366102	CF, 1k ohm
R225	24366333	CF, 33k ohm
R226	24366184	CF, 180k ohm
R228	24366222	CF, 2200 ohm
R229	24366222	CF, 2200 ohm
R230	24366101	CF, 100 ohm
R231	24366103	CF, 10k ohm
R232	24366221	CF, 220 ohm
R233	24366113	CF, 11k ohm
R234	24366103	CF, 10k ohm
R236	24366103	CF, 10k ohm
R237	24366273	CF, 27k ohm

Location No.	Part No.	Description
R238	24366103	CF, 10k ohm
R239	24366103	CF, 10k ohm
R240	24366223	CF, 22k ohm
R241	24366132	CF, 1300 ohm
R242	24366223	CF, 22k ohm
R247	24366102	CF, 1k ohm
R250	24366103	CF, 10k ohm
R251	24366103	CF, 10k ohm
R257	24872122	Chip, 1200 ohm, 1/16W
R260	24366472	CF, 4700 ohm
R263	24366223	CF, 22k ohm
R267	24366153	CF, 15k ohm
R268	24366184	CF, 180k ohm
R269	24366562	CF, 5600 ohm
R270	24366184	CF, 180k ohm
R271	24366103	CF, 10k ohm
R273	24366115	CF, 1.1M ohm
R274	24366514	CF, 510k ohm
R276	24366221	CF, 220 ohm
R277	24366221	CF, 220 ohm
R278	24366221	CF, 220 ohm
R279	24366105	CF, 1M ohm
R280	24366103	CF, 10k ohm
R281	24366103	CF, 10k ohm
R282	24366103	CF, 10k ohm
R283	24366103	CF, 10k ohm
R284	24366223	CF, 22k ohm
R285	24872471	Chip, 470 ohm, 1/16W
R287	24366473	CF, 47k ohm
R288	24366154	CF, 150k ohm
R290	24366223	CF, 22k ohm
R292	24872224	Chip, 220k ohm, 1/16W
R293	24872103	Chip, 10k ohm, 1/16W
R294	24872332	Chip, 3300 ohm, 1/16W
R295	24872103	Chip, 10k ohm, 1/16W
R296	24872103	Chip, 10k ohm, 1/16W
△ R302	24322339	OMF, 3.3 ohm, 1W
R304	24366103	CF, 10k ohm
R305	24366104	CF, 100k ohm
R306	24366184	CF, 180k ohm
R307	24366114	CF, 110k ohm
R308	24367562	CF, 5600 ohm, \pm 2%
△ R309	24321229	OMF, 2.2 ohm, 1/2W
△ R310	24321229	OMF, 2.2 ohm, 1/2W
R311	24552472	OMF, 4700 ohm, 1/2W
R312	24552562	OMF, 5600 ohm, 1/2W
R313	24552820	OMF, 82 ohm, 1/2W
R314	24366222	CF, 2200 ohm
△ R315	24000439	FR, 1.0 ohm, 1/2W
R316	24367153	CF, 15k ohm, \pm 2%
R321	24366472	CF, 4700 ohm
R322	24366101	CF, 100 ohm
R323	24552331	OMF, 330 ohm, 1/2W
R335	24366223	CF, 22k ohm
R339	24366823	CF, 82k ohm
R340	24366331	CF, 330 ohm
R341(U901)	24382221	OMF, 220 ohm, 1W
R341(U401)	24366104	CF, 100k ohm
R342(U901)	24366392	CF, 3900 ohm
R342(U401)	24552202	OMF, 2k ohm, 1/2W
R343(U401)	24367621	CF, 620 ohm, \pm 2%
R343(U901)	24366512	CF, 5100 ohm
R344(U401)	24366222	CF, 2200 ohm
R344(U901)	24366512	CF, 5100 ohm

Location No.	Part No.	Description
R345(U901)	24366113	CF, 11k ohm
R345(U401)	24367391	CF, 390 ohm, $\pm 2\%$
R346	24366224	CF, 220k ohm
R347	24366204	CF, 200k ohm
R348	24366103	CF, 10k ohm
R349	24366102	CF, 1k ohm
R350	24366101	CF, 100 ohm
R351	24366821	CF, 820 ohm
R352	24366472	CF, 4700 ohm
R360	24366103	CF, 10k ohm
R361	24366103	CF, 10k ohm
R362	24366101	CF, 100 ohm
R363	24366223	CF, 22k ohm
R365	24366103	CF, 10k ohm
R366	24366563	CF, 56k ohm
R367	24366393	CF, 39k ohm
R368	24366471	CF, 470 ohm
R369	24366471	CF, 470 ohm
R370	24366333	CF, 33k ohm
R371	24382103	OMF, 10k ohm, 1W
R372	24382123	OMF, 12k ohm, 1W
△ R373	24510122	Cement, 1200 ohm, 5W
R374	24366103	CF, 10k ohm
R401	24366391	CF, 390 ohm
R403	24552561	OMF, 560 ohm, 1/2W
R405	24552152	OMF, 1500 ohm, 1/2W
R407	24366103	CF, 10k ohm
R408	24366223	CF, 22k ohm
R409	24366133	CF, 13k ohm
R411	24366391	CF, 390 ohm
R412	24366562	CF, 5600 ohm
R413	24366181	CF, 180 ohm
△ R415	24553242	OMF, 2400 ohm, 1W
△ R416	24383682	OMF, 6800 ohm, 2W
△ R417	24383682	OMF, 6800 ohm, 2W
R421	24366514	CF, 510k ohm
R422	24366100	CF, 10 ohm
R423	24366102	CF, 1k ohm
R424	24366101	CF, 100 ohm
R425	24366473	CF, 47k ohm
R426	24366103	CF, 10k ohm
R427	24366472	CF, 4700 ohm
R428	24366821	CF, 820 ohm
R429	24366472	CF, 4700 ohm
R431	24327913	MF, 91k ohm, $\pm 1\%$, 1/4W
R432	24366102	CF, 1k ohm
R433	24366102	CF, 1k ohm
R434	24367183	CF, 18k ohm, $\pm 2\%$
△ R435	24382101	OMF, 100 ohm, 1W
R436	24366102	CF, 1k ohm
△ R437	24382183	OMF, 18k ohm, 1W
R438	24367243	CF, 24k ohm, $\pm 2\%$
R439	24066878	VR, 2k ohm, 0.3W
R440	24367512	CF, 5100 ohm, $\pm 2\%$
△ R441	24383102	OMF, 1k ohm, 2W
△ R443	24338109	OMF, 1.0 ohm, 1W
△ R444	24338109	OMF, 1.0 ohm, 1W
△ R447	24382223	OMF, 22k ohm, 1W
△ R448	24338109	OMF, 1.0 ohm, 1W
△ R451	24383103	OMF, 10k ohm, 2W
△ R452	24383103	OMF, 10k ohm, 2W
R453	24366103	CF, 10k ohm
R454	24366332	CF, 3300 ohm
R455	24366820	CF, 82 ohm

Location No.	Part No.	Description
△ R456	24382242	OMF, 2400 ohm, 1W
R457	24000946	Varistor, TNR9G560K
R458	24366104	CF, 100k ohm
R459	24366102	CF, 1k ohm
R460	24381203	OMF, 20k ohm, 1/2W
△ R461	24367753	CF, 75k ohm, $\pm 2\%$
R462	24366472	CF, 4700 ohm
R463	24366302	CF, 3k ohm
△ R466	24338109	OMF, 1.0 ohm, 1W
R468	24360102	CF, 1k ohm, 1/8W
△ R469	24000906	FR, 2.4 ohm, 2W
R481	24367114	CF, 110k ohm, $\pm 2\%$
△ R485	24552270	OMF, 27 ohm, 1/2W
R486	24366223	CF, 22k ohm
△ R487	24327103	MF, 10k ohm, $\pm 1\%$, 1/4W
△ R488	24327562	MF, 5600 ohm, $\pm 1\%$, 1/4W
R489	24367103	CF, 10k ohm, $\pm 2\%$
R490	24366823	CF, 82k ohm
R491	24366682	CF, 6800 ohm
△ R492	24367333	CF, 33k ohm, $\pm 2\%$
△ R493	24367103	CF, 10k ohm, $\pm 2\%$
R494	24381103	OMF, 10k ohm, 1/2W
△ R495	24366821	CF, 820 ohm
R496	24367124	CF, 120k ohm, $\pm 2\%$
R497	24367114	CF, 110k ohm, $\pm 2\%$
R498	24367124	CF, 120k ohm, $\pm 2\%$
R499	24367333	CF, 33k ohm, $\pm 2\%$
R502	24366102	CF, 1k ohm
R503	24366102	CF, 1k ohm
R509	24366152	CF, 1500 ohm
R510	24366103	CF, 10k ohm
R514	24366475	CF, 4.7M ohm
R560	24872470	Chip, 47 ohm, 1/16W
R599	24872470	Chip, 47 ohm, 1/16W
R603	24366821	CF, 820 ohm
R604	24366821	CF, 820 ohm
R605	24366182	CF, 1800 ohm
R606	24366182	CF, 1800 ohm
△ R607	24366100	CF, 10 ohm
△ R608	24366100	CF, 10 ohm
R609	24366229	CF, 2.2 ohm
R610	24366229	CF, 2.2 ohm
R621	24366821	CF, 820 ohm
R622	24366821	CF, 820 ohm
R623	24366100	CF, 10 ohm
R624	24366100	CF, 10 ohm
R625	24366229	CF, 2.2 ohm
R626	24366229	CF, 2.2 ohm
R627	24366104	CF, 100k ohm
R642	24366563	CF, 56k ohm
R643	24366100	CF, 10 ohm
R644	24366100	CF, 10 ohm
R645	24366229	CF, 2.2 ohm
R646	24366229	CF, 2.2 ohm
R701	24366101	CF, 100 ohm
R702	24366101	CF, 100 ohm
R703	24366101	CF, 100 ohm
R704	24366101	CF, 100 ohm
R705	24366101	CF, 100 ohm
R706	24366101	CF, 100 ohm
R707	24366472	CF, 4700 ohm
R708	24366472	CF, 4700 ohm
R709	24366561	CF, 560 ohm
△ R712	24555331	OMF, 330 ohm, 3W

Location No.	Part No.	Description
△ R713	24338279	OMF, 2.7 ohm, 1W
R714	24366472	CF, 4700 ohm
R715	24366472	CF, 4700 ohm
R716	24366561	CF, 560 ohm
△ R719	24555331	OMF, 330 ohm, 3W
△ R720	24338279	OMF, 2.7 ohm, 1W
R721	24366472	CF, 4700 ohm
R722	24366472	CF, 4700 ohm
R723	24366561	CF, 560 ohm
△ R724	24555331	OMF, 330 ohm, 3W
△ R725	24338279	OMF, 2.7 ohm, 1W
R726	24366472	CF, 4700 ohm
R727	24366472	CF, 4700 ohm
R728	24366561	CF, 560 ohm
△ R731	24555331	OMF, 330 ohm, 3W
△ R732	24338279	OMF, 2.7 ohm, 1W
R733	24366472	CF, 4700 ohm
R734	24366472	CF, 4700 ohm
R735	24366561	CF, 560 ohm
△ R738	24555331	OMF, 330 ohm, 3W
△ R739	24338279	OMF, 2.7 ohm, 1W
R740	24366472	CF, 4700 ohm
R741	24366472	CF, 4700 ohm
R742	24366561	CF, 560 ohm
△ R743	24555331	OMF, 330 ohm, 3W
△ R744	24338279	OMF, 2.7 ohm, 1W
R750	24338159	OMF, 1.5 ohm, 1W
R751	24366331	CF, 330 ohm
R752	24366471	CF, 470 ohm
△ R753	24366103	CF, 10k ohm
R754	24366104	CF, 100k ohm
R755	24366472	CF, 4700 ohm
R756	24366471	CF, 470 ohm
R757	24366222	CF, 2200 ohm
△ R758	24339568	OMF, 0.56 ohm, 2W
R759	24366331	CF, 330 ohm
R760	24366471	CF, 470 ohm
R761	24366822	CF, 8200 ohm
R762	24366273	CF, 27k ohm
R763	24366562	CF, 5600 ohm
R764	24366471	CF, 470 ohm
R765	24366222	CF, 2200 ohm
△ R766	24339568	OMF, 0.56 ohm, 2W
R767	24366331	CF, 330 ohm
R768	24366471	CF, 470 ohm
R769	24366822	CF, 8200 ohm
R770	24366273	CF, 27k ohm
R771	24366562	CF, 5600 ohm
R772	24366471	CF, 470 ohm
R773	24366222	CF, 2200 ohm
R774	24366223	CF, 22k ohm
R775	24366103	CF, 10k ohm
R776	24366223	CF, 22k ohm
R777	24366103	CF, 10k ohm
R778	24366222	CF, 2200 ohm
R779	24366223	CF, 22k ohm
R780	24366103	CF, 10k ohm
△ R781	24366102	CF, 1k ohm
R782	24366103	CF, 10k ohm
R783	24366104	CF, 100k ohm
R784	24366103	CF, 10k ohm
R785	24366471	CF, 470 ohm
R786	24552182	OMF, 1800 ohm, 1/2W
R787	24552681	OMF, 680 ohm, 1/2W

Location No.	Part No.	Description
R788	24366471	CF, 470 ohm
R789	24366223	CF, 22k ohm
R801	24552202	OMF, 2k ohm, 1/2W
△ R802	24383563	OMF, 56k ohm, 2W
R803	24366472	CF, 4700 ohm
△ R804	24002994	CC, 3.9M ohm, 1/2W
△ R805	24002994	CC, 3.9M ohm, 1/2W
R806	24366822	CF, 8200 ohm
R807	24366562	CF, 5600 ohm
R808	24366102	CF, 1k ohm
R809	24366471	CF, 470 ohm
△ R810	24007514	Cement, 0.56 ohm, ±10%, 15W
R811	24366622	CF, 6200 ohm
△ R812	24007514	Cement, 0.56 ohm, ±10%, 15W
R813	24366104	CF, 100k ohm
R814	24366203	CF, 20k ohm
R815	24366273	CF, 27k ohm
R818	24366242	CF, 2400 ohm
R819	24366242	CF, 2400 ohm
R820	24366472	CF, 4700 ohm
R830	24366102	CF, 1k ohm
R831	24366102	CF, 1k ohm
R832	24366102	CF, 1k ohm
R833	24366393	CF, 39k ohm
R834	24366102	CF, 1k ohm
R835	24366273	CF, 27k ohm
R840	24552180	OMF, 18 ohm, 1/2W
R841	24366273	CF, 27k ohm
R842	24366153	CF, 15k ohm
R843	24552912	OMF, 9100 ohm, 1/2W
R844	24552912	OMF, 9100 ohm, 1/2W
△ R845	24383563	OMF, 56k ohm, 2W
△ R846	24383331	OMF, 330 ohm, 2W
△ R847	24004701	MF, 0.1 ohm, 2W
△ R848	24004703	MF, 0.15 ohm, 2W
R849	24552471	OMF, 470 ohm, 1/2W
R850	24366103	CF, 10k ohm
R851	24366302	CF, 3k ohm
△ R852	24553471	OMF, 470 ohm, 1W
R853	24366102	CF, 1k ohm
R854	24552471	OMF, 470 ohm, 1/2W
R855	24552511	OMF, 510 ohm, 1/2W
R856	24366392	CF, 3900 ohm
R857	24367562	CF, 5600 ohm, ±2%
R858	24367822	CF, 8200 ohm, ±2%
R859	24366102	CF, 1k ohm
△ R860	24004701	MF, 0.1 ohm, 2W
R861	24366511	CF, 510 ohm
R862	24552912	OMF, 9100 ohm, 1/2W
R863	24552912	OMF, 9100 ohm, 1/2W
R864	24552471	OMF, 470 ohm, 1/2W
R865	24366471	CF, 470 ohm
△ R866	24004701	MF, 0.1 ohm, 2W
R867	24552471	OMF, 470 ohm, 1/2W
△ R868	24383331	OMF, 330 ohm, 2W
R869	24366392	CF, 3900 ohm
R870	24327203	MF, 20k ohm, ±1%, 1/4W
R871	24327203	MF, 20k ohm, ±1%, 1/4W
R872	24381131	OMF, 130 ohm, 1/2W
R873	24381301	OMF, 300 ohm, 1/2W
R874	24366152	CF, 1500 ohm
R875	24366102	CF, 1k ohm

Location No.	Part No.	Description
△R876	24323518	OMF, 0.51 ohm, 2W
R877	24366471	CF, 470 ohm
R878	24327133	MF, 13k ohm, ±1%, 1/4W
R879	24327123	MF, 12k ohm, ±1%, 1/4W
R880	24327912	MF, 9100 ohm, ±1%, 1/4W
R881	24366102	CF, 1k ohm
△R882	24553113	OMF, 11k ohm, 1W
△R883	24553113	OMF, 11k ohm, 1W
R884	24366242	CF, 2400 ohm
R885	24366103	CF, 10k ohm
R886	24366302	CF, 3k ohm
R887	24366102	CF, 1k ohm
△R888	24382331	OMF, 330 ohm, 1W
R889	24366202	CF, 2k ohm
△R890	24382331	OMF, 330 ohm, 1W
R891	24366202	CF, 2k ohm
R892	24366102	CF, 1k ohm
△R893	24510821	Cement, 820 ohm, 5W
R894	24366122	CF, 1200 ohm
△R899	24000902	Varistor, TNR15G271K
R902	24366101	CF, 100 ohm
R903	24366101	CF, 100 ohm
R904	24366101	CF, 100 ohm
△R905	24555223	OMF, 22k ohm, 3W
△R906	24555223	OMF, 22k ohm, 3W
△R907	24555223	OMF, 22k ohm, 3W
△R908	24555243	OMF, 24k ohm, 3W
△R909	24555243	OMF, 24k ohm, 3W
△R910	24555243	OMF, 24k ohm, 3W
R911	24366562	CF, 5600 ohm
R912	24366103	CF, 10k ohm
R913	24366101	CF, 100 ohm
△R917	24366101	CF, 100 ohm
R918	24366101	CF, 100 ohm
R922	24942102	CC, 1k ohm, 1/2W
R924	24942102	CC, 1k ohm, 1/2W
R932	24366102	CF, 1k ohm
R933	24366120	CF, 12 ohm
R934	24552132	OMF, 1300 ohm, 1/2W
R935	24552132	OMF, 1300 ohm, 1/2W
R936	24366620	CF, 62 ohm
R937	24366131	CF, 130 ohm
R945	24327101	MF, 100 ohm, ±1%, 1/4W
R946	24366221	CF, 220 ohm
R947	24366151	CF, 150 ohm
R948	24552132	OMF, 1300 ohm, 1/2W
R949	24942102	CC, 1k ohm, 1/2W
R950	24061800	VR, 200 ohm, 1/8W
R952	24061800	VR, 200 ohm, 1/8W
R957	24327270	MF, 27 ohm, ±1%, 1/4W
R958	24327131	MF, 130 ohm, ±1%, 1/4W
R959	24327131	MF, 130 ohm, ±1%, 1/4W
R960	24366820	CF, 82 ohm
R961	24366430	CF, 43 ohm
R962	24366470	CF, 47 ohm
R963	24366361	CF, 360 ohm
R964	24366821	CF, 820 ohm
R968	24366101	CF, 100 ohm
△R971	24555223	OMF, 22k ohm, 3W
△R972	24555223	OMF, 22k ohm, 3W
△R974	24555223	OMF, 22k ohm, 3W
R977	24366122	CF, 1200 ohm
R980	24366620	CF, 62 ohm
RA01	24366102	CF, 1k ohm

Location No.	Part No.	Description
RA02	24366221	CF, 220 ohm
RA03	24366102	CF, 1k ohm
RA04	24366102	CF, 1k ohm
RA05	24366102	CF, 1k ohm
RA06	24366102	CF, 1k ohm
RA07	24366102	CF, 1k ohm
RA08	24366102	CF, 1k ohm
RA11	24366102	CF, 1k ohm
RA12	24366102	CF, 1k ohm
RA13	24366102	CF, 1k ohm
RA14	24366223	CF, 22k ohm
RA15	24366223	CF, 22k ohm
RA16	24366102	CF, 1k ohm
RA17	24366102	CF, 1k ohm
RA18	24366103	CF, 10k ohm
RA19	24366103	CF, 10k ohm
RA20	24366103	CF, 10k ohm
RA21	24366333	CF, 33k ohm
RA22	24366333	CF, 33k ohm
RA23	24366333	CF, 33k ohm
RA25	24366102	CF, 1k ohm
RA26	24366102	CF, 1k ohm
RA27	24366102	CF, 1k ohm
RA28	24366102	CF, 1k ohm
RA29	24366102	CF, 1k ohm
RA30	24366102	CF, 1k ohm
RA31	24366682	CF, 6800 ohm
RA32	24366682	CF, 6800 ohm
RA33	24366473	CF, 47k ohm
RA34	24366102	CF, 1k ohm
RA35	24366101	CF, 100 ohm
RA36	24366101	CF, 100 ohm
RA37	24366101	CF, 100 ohm
RA38	24366101	CF, 100 ohm
RA39	24366102	CF, 1k ohm
RA40	24366102	CF, 1k ohm
RA41	24366103	CF, 10k ohm
RA43	24366103	CF, 10k ohm
RA44	24366332	CF, 3300 ohm
RA45	24366332	CF, 3300 ohm
RA46	24366332	CF, 3300 ohm
RA47	24366102	CF, 1k ohm
RA48	24366102	CF, 1k ohm
RA49	24366102	CF, 1k ohm
RA50	24366202	CF, 2k ohm
RA54	24366101	CF, 100 ohm
RA55	24366183	CF, 18k ohm
RA56	24366562	CF, 5600 ohm
RA57	24366101	CF, 100 ohm
RA58	24366183	CF, 18k ohm
RA64	24366333	CF, 33k ohm
RA66	24366104	CF, 100k ohm
RA70	24366103	CF, 10k ohm
RA71	24366103	CF, 10k ohm
RA79	24366101	CF, 100 ohm
RA80	24366101	CF, 100 ohm
RA82	24366103	CF, 10k ohm
RA83	24366103	CF, 10k ohm
RA84	24366363	CF, 36k ohm
RA85	24366473	CF, 47k ohm
RA86	24366272	CF, 2700 ohm
RA87	24366621	CF, 620 ohm
RA88	24366621	CF, 620 ohm
RA89	24366152	CF, 1500 ohm

Location No.	Part No.	Description
RA90	24366273	CF, 27k ohm
RA91	24366621	CF, 620 ohm
RA92	24366621	CF, 620 ohm
RA93	24366153	CF, 15k ohm
RA94	24366363	CF, 36k ohm
RA95	24366473	CF, 47k ohm
RA96	24366393	CF, 39k ohm
RA97	24366103	CF, 10k ohm
RA101	24366102	CF, 1k ohm
RA102	24366102	CF, 1k ohm
RA103	24366102	CF, 1k ohm
RA104	24366362	CF, 3600 ohm
RA105	24366332	CF, 3300 ohm
RA106	24366562	CF, 5600 ohm
RA107	24366102	CF, 1k ohm
RA108	24366102	CF, 1k ohm
RA109	24366102	CF, 1k ohm
RA110	24366102	CF, 1k ohm
RA111	24366563	CF, 56k ohm
RA113	24366153	CF, 15k ohm
RA115	24366272	CF, 2700 ohm
RA116	24366272	CF, 2700 ohm
RA117	24366272	CF, 2700 ohm
RA118	24366272	CF, 2700 ohm
RA119	24366102	CF, 1k ohm
RA120	24366102	CF, 1k ohm
RA121	24366472	CF, 4700 ohm
RA122	24366103	CF, 10k ohm
RA123	24366103	CF, 10k ohm
RA123	24366102	CF, 1k ohm
RA124	24366183	CF, 18k ohm
RA127	24366103	CF, 10k ohm
RA160	24366752	CF, 7500 ohm
RA161	24366752	CF, 7500 ohm
RA162	24366113	CF, 11k ohm
RA163	24366163	CF, 16k ohm
RA164	24366303	CF, 30k ohm
RA166	24366752	CF, 7500 ohm
RB25	24366561	CF, 560 ohm
RB26	24066879	VR, 1k ohm, 0.3W
RB27	24366102	CF, 1k ohm
RB28	24366102	CF, 1k ohm
RB30	24366301	CF, 300 ohm
RB31	24366244	CF, 240k ohm
RB32	24366103	CF, 10k ohm
RB33	24366103	CF, 10k ohm
RB34	24366103	CF, 10k ohm
RB41	24366103	CF, 10k ohm
RB44	24366392	CF, 3900 ohm
RB47	24366133	CF, 13k ohm
RB66	24366223	CF, 22k ohm
RB75	24366102	CF, 1k ohm
RB77	24366102	CF, 1k ohm
RB78	24366102	CF, 1k ohm
RB79	24366105	CF, 1M ohm
RB80	24366473	CF, 47k ohm
RB81	24366473	CF, 47k ohm
RB82	24366562	CF, 5600 ohm
RB83	24366132	CF, 1300 ohm
RB84	24366332	CF, 3300 ohm
RB85	24366563	CF, 56k ohm
RB86	24366223	CF, 22k ohm
RB87	24366472	CF, 4700 ohm
RB88	24366102	CF, 1k ohm

Location No.	Part No.	Description
RB90	24366104	CF, 100k ohm
RB91	24366102	CF, 1k ohm
RB92	24366222	CF, 2200 ohm
RB94	24366511	CF, 510 ohm
RB96	24366511	CF, 510 ohm
RB97	24366472	CF, 4700 ohm
RB98	24366332	CF, 3300 ohm
RB99	24366332	CF, 3300 ohm
RB100	24366223	CF, 22k ohm
RB101	24366472	CF, 4700 ohm
RE03	24366102	CF, 1k ohm
△ RF03	24510689	Cement, 6.8 ohm, 5W
△ RF04	24510829	Cement, 8.2 ohm, 5W
△ RF05	24510180	Cement, 18 ohm, 5W
△ RF29	24383123	OMF, 12k ohm, 2W
RG01	24366221	CF, 220 ohm
RG02	24366101	CF, 100 ohm
△ RG03	24366470	CF, 47 ohm
RG04	24366102	CF, 1k ohm
RG05	24366103	CF, 10k ohm
RG06	24366184	CF, 180k ohm
RG07	24366103	CF, 10k ohm
RH01	24366153	CF, 15k ohm
RH02	24366222	CF, 2200 ohm
RH03	24366471	CF, 470 ohm
RH04	24552680	OMF, 68 ohm, 1/2W
RH05	24366222	CF, 2200 ohm
RH06	24366102	CF, 1k ohm
RH07	24366102	CF, 1k ohm
RH08	24366471	CF, 470 ohm
RH09	24366102	CF, 1k ohm
RH10	24552471	OMF, 470 ohm, 1/2W
RH11	24366471	CF, 470 ohm
RH12	24366273	CF, 27k ohm
RH13	24366203	CF, 20k ohm
RH14	24366152	CF, 1500 ohm
RH15	24366182	CF, 1800 ohm
RH16	24366470	CF, 47 ohm
RH17	24366333	CF, 33k ohm
RH18	24552100	OMF, 10 ohm, 1/2W
RH19	24366820	CF, 82 ohm
RH20	24366820	CF, 82 ohm
RH21	24366152	CF, 1500 ohm
RH22	24366152	CF, 1500 ohm
RH23	24366122	CF, 1200 ohm
RH24	24366122	CF, 1200 ohm
RH25	24366683	CF, 68k ohm
RH26	24366683	CF, 68k ohm
RH27	24366123	CF, 12k ohm
RH28	24552430	OMF, 43 ohm, 1/2W
RH29	24552430	OMF, 43 ohm, 1/2W
RH30	24321279	OMF, 2.7 ohm, 1/2W
RH31	24321279	OMF, 2.7 ohm, 1/2W
△ RH32	24554221	OMF, 220 ohm, 2W
RH33	24552301	OMF, 300 ohm, 1/2W
RH41	24366153	CF, 15k ohm
RH42	24366222	CF, 2200 ohm
RH43	24366471	CF, 470 ohm
RH44	24552680	OMF, 68 ohm, 1/2W
RH45	24366222	CF, 2200 ohm
RH46	24366102	CF, 1k ohm
RH47	24366102	CF, 1k ohm
RH48	24366471	CF, 470 ohm
RH49	24366102	CF, 1k ohm

Location No.	Part No.	Description
RH50	24552471	OMF, 470 ohm, 1/2W
RH51	24366471	CF, 470 ohm
RH52	24366273	CF, 27k ohm
RH53	24366203	CF, 20k ohm
RH54	24366152	CF, 1500 ohm
RH55	24366182	CF, 1800 ohm
RH56	24366470	CF, 47 ohm
RH57	24366333	CF, 33k ohm
RH58	24552100	OMF, 10 ohm, 1/2W
RH59	24366820	CF, 82 ohm
RH60	24366820	CF, 82 ohm
RH61	24366152	CF, 1500 ohm
RH62	24366152	CF, 1500 ohm
RH63	24366122	CF, 1200 ohm
RH64	24366122	CF, 1200 ohm
RH65	24366683	CF, 68k ohm
RH66	24366683	CF, 68k ohm
RH67	24366123	CF, 12k ohm
RH68	24552430	OMF, 43 ohm, 1/2W
RH69	24552430	OMF, 43 ohm, 1/2W
RH70	24321279	OMF, 2.7 ohm, 1/2W
RH71	24321279	OMF, 2.7 ohm, 1/2W
△RH72	24554221	OMF, 220 ohm, 2W
RH73	24552301	OMF, 300 ohm, 1/2W
RJ02	24366562	CF, 5600 ohm
RJ03	24366562	CF, 5600 ohm
RJ04	24366912	CF, 9100 ohm
RJ06	24366152	CF, 1500 ohm
RJ07	24366152	CF, 1500 ohm
RJ08	24366132	CF, 1300 ohm
RJ09	24366123	CF, 12k ohm
RJ10	24366102	CF, 1k ohm
RJ11	24367153	CF, 15k ohm, ±2%
RJ12	24367472	CF, 4700 ohm, ±2%
RJ13	24366622	CF, 6200 ohm
RJ14	24366104	CF, 100k ohm
RJ15	24066873	VR, 100k ohm, 0.3W
RJ16	24367183	CF, 18k ohm, ±2%
RJ18	24366103	CF, 10k ohm
RJ19	24366103	CF, 10k ohm
RJ20	24366223	CF, 22k ohm
RJ21	24366223	CF, 22k ohm
RJ22	24366103	CF, 10k ohm
RJ23	24366103	CF, 10k ohm
RJ24	24366473	CF, 47k ohm
RJ25	24366473	CF, 47k ohm
RJ26	24366824	CF, 820k ohm
RJ27	24366101	CF, 100 ohm
RJ28	24366104	CF, 100k ohm
RJ29	24366104	CF, 100k ohm
RJ30	24366223	CF, 22k ohm
RJ31	24366223	CF, 22k ohm
RJ32	24366101	CF, 100 ohm
RJ33	24366473	CF, 47k ohm
RJ34	24366473	CF, 47k ohm
RJ35	24366103	CF, 10k ohm
RJ42	24366123	CF, 12k ohm
RJ52	24366333	CF, 33k ohm
RJ54	24366333	CF, 33k ohm
RJ56	24366333	CF, 33k ohm
RJ58	24366333	CF, 33k ohm
RJ59	24366472	CF, 4700 ohm
RJ60	24366472	CF, 4700 ohm
RJ61	24366472	CF, 4700 ohm

Location No.	Part No.	Description
RJ62	24366101	CF, 100 ohm
RJ63	24366472	CF, 4700 ohm
RJ64	24366472	CF, 4700 ohm
RJ65	24366472	CF, 4700 ohm
RJ66	24366101	CF, 100 ohm
RJ67	24366472	CF, 4700 ohm
RJ68	24366472	CF, 4700 ohm
RJ69	24366472	CF, 4700 ohm
RJ70	24366101	CF, 100 ohm
RJ71	24366472	CF, 4700 ohm
RJ72	24366472	CF, 4700 ohm
RJ73	24366472	CF, 4700 ohm
RJ74	24366101	CF, 100 ohm
RJ75	24366472	CF, 4700 ohm
RJ76	24366472	CF, 4700 ohm
RJ77	24366472	CF, 4700 ohm
RJ78	24366101	CF, 100 ohm
RJ79	24366472	CF, 4700 ohm
RJ80	24366472	CF, 4700 ohm
RJ81	24366472	CF, 4700 ohm
RJ82	24366101	CF, 100 ohm
RJ83	24366562	CF, 5600 ohm
RJ84	24366101	CF, 100 ohm
RJ85	24366101	CF, 100 ohm
RJ86	24366101	CF, 100 ohm
RJ87	24366101	CF, 100 ohm
RJ88	24366101	CF, 100 ohm
RJ89	24366101	CF, 100 ohm
RJ91	24366103	CF, 10k ohm
RJ92	24366153	CF, 15k ohm
RJ95	24366123	CF, 12k ohm
RJ98	24366753	CF, 75k ohm
RJ99	24366303	CF, 30k ohm
RJ100	24366303	CF, 30k ohm
RJ101	24366164	CF, 160k ohm
RJ102	24366102	CF, 1k ohm
RJ103	24366472	CF, 4700 ohm
RJ104	24366103	CF, 10k ohm
RJ105	24366273	CF, 27k ohm
△RJ106	24555101	OMF, 100 ohm, 3W
△RJ107	24555101	OMF, 100 ohm, 3W
RJ108	24366224	CF, 220k ohm
RJ109	24366102	CF, 1k ohm
RJ110	24366223	CF, 22k ohm
RJ112	24366223	CF, 22k ohm
RJ113	24366103	CF, 10k ohm
RJ114	24366103	CF, 10k ohm
RJ115	24366103	CF, 10k ohm
RJ116	24366103	CF, 10k ohm
RJ117	24366103	CF, 10k ohm
RJ119	24366103	CF, 10k ohm
RJ120	24366103	CF, 10k ohm
RJ121	24366473	CF, 47k ohm
RJ122	24366223	CF, 22k ohm
RJ123	24366223	CF, 22k ohm
RJ124	24366103	CF, 10k ohm
RJ125	24366472	CF, 4700 ohm
RJ126	24366472	CF, 4700 ohm
RJ127	24366472	CF, 4700 ohm
RJ128	24366472	CF, 4700 ohm
RJ129	24366123	CF, 12k ohm
RJ130	24366123	CF, 12k ohm
RJ131	24366272	CF, 2700 ohm
RJ132	24366152	CF, 1500 ohm

Location No.	Part No.	Description
△RJ133	24555101	OMF, 100 ohm, 3W
△RJ134	24555101	OMF, 100 ohm, 3W
RJ136	24366103	CF, 10k ohm
RJ137	24366103	CF, 10k ohm
RJ138	24366103	CF, 10k ohm
RJ139	24366103	CF, 10k ohm
RJ140	24366272	CF, 2700 ohm
RJ141	24366102	CF, 1k ohm
RJ142	24366333	CF, 33k ohm
RJ143	24366123	CF, 12k ohm
RJ144	24366104	CF, 100k ohm
RJ145	24366103	CF, 10k ohm
RJ146	24366102	CF, 1k ohm
RJ147	24366103	CF, 10k ohm
RJ148	24366103	CF, 10k ohm
RJ149	24366102	CF, 1k ohm
RJ150	24366562	CF, 5600 ohm
RJ151	24366103	CF, 10k ohm
RJ152	24366333	CF, 33k ohm
RJ153	24366223	CF, 22k ohm
RK01	24066926	VR, 10k ohm, 1/10W
RK02	24066926	VR, 10k ohm, 1/10W
RK03	24066926	VR, 10k ohm, 1/10W
RK04	24066926	VR, 10k ohm, 1/10W
RK05	24066926	VR, 10k ohm, 1/10W
RK06	24066926	VR, 10k ohm, 1/10W
RK07	24066926	VR, 10k ohm, 1/10W
RK08	24066926	VR, 10k ohm, 1/10W
RK09	24066926	VR, 10k ohm, 1/10W
RK10	24066926	VR, 10k ohm, 1/10W
RK11	24066926	VR, 10k ohm, 1/10W
RK12	24066926	VR, 10k ohm, 1/10W
RK13	24066926	VR, 10k ohm, 1/10W
RK14	24066926	VR, 10k ohm, 1/10W
RK15	24066926	VR, 10k ohm, 1/10W
RK16	24066926	VR, 10k ohm, 1/10W
RK17	24066926	VR, 10k ohm, 1/10W
RK18	24066926	VR, 10k ohm, 1/10W
RK19	24066926	VR, 10k ohm, 1/10W
RK20	24066926	VR, 10k ohm, 1/10W
RK21	24066926	VR, 10k ohm, 1/10W
RK22	24066926	VR, 10k ohm, 1/10W
RK23	24066926	VR, 10k ohm, 1/10W
RK24	24066926	VR, 10k ohm, 1/10W
RK25	24066926	VR, 10k ohm, 1/10W
RK26	24066926	VR, 10k ohm, 1/10W
RK34	24066926	VR, 10k ohm, 1/10W
RK35	24066926	VR, 10k ohm, 1/10W
RK37	24066926	VR, 10k ohm, 1/10W
RK38	24066926	VR, 10k ohm, 1/10W
RK39	24066926	VR, 10k ohm, 1/10W
RK40	24066926	VR, 10k ohm, 1/10W
RK41	24066926	VR, 10k ohm, 1/10W
RK42	24066926	VR, 10k ohm, 1/10W
RK43	24066926	VR, 10k ohm, 1/10W
RK44	24066926	VR, 10k ohm, 1/10W
RK45	24066926	VR, 10k ohm, 1/10W
RK46	24066926	VR, 10k ohm, 1/10W
RK47	24066926	VR, 10k ohm, 1/10W
RK48	24066926	VR, 10k ohm, 1/10W
RK49	24066926	VR, 10k ohm, 1/10W
RK50	24066926	VR, 10k ohm, 1/10W
RK51	24066926	VR, 10k ohm, 1/10W
RK52	24066926	VR, 10k ohm, 1/10W

Location No.	Part No.	Description
RK53	24066926	VR, 10k ohm, 1/10W
RK75	24066926	VR, 10k ohm, 1/10W
RK76	24066926	VR, 10k ohm, 1/10W
RK78	24066926	VR, 10k ohm, 1/10W
RK79	24066926	VR, 10k ohm, 1/10W
RK80	24066926	VR, 10k ohm, 1/10W
RK81	24066926	VR, 10k ohm, 1/10W
RK82	24066926	VR, 10k ohm, 1/10W
RK83	24066926	VR, 10k ohm, 1/10W
RK84	24066926	VR, 10k ohm, 1/10W
RK85	24066926	VR, 10k ohm, 1/10W
RK89	24066926	VR, 10k ohm, 1/10W
RK90	24066926	VR, 10k ohm, 1/10W
RK92	24066926	VR, 10k ohm, 1/10W
RK93	24066926	VR, 10k ohm, 1/10W
RK94	24066926	VR, 10k ohm, 1/10W
RK95	24066926	VR, 10k ohm, 1/10W
RK96	24066926	VR, 10k ohm, 1/10W
RK98	24066926	VR, 10k ohm, 1/10W
RK99	24066926	VR, 10k ohm, 1/10W
RK101	24063673	VR, 10k ohm, 0.08W
RK102	24063673	VR, 10k ohm, 0.08W
RK103	24063673	VR, 10k ohm, 0.08W
RK104	24063673	VR, 10k ohm, 0.08W
RK110	24066926	VR, 10k ohm, 1/10W
RK111	24066926	VR, 10k ohm, 1/10W
RK113	24066926	VR, 10k ohm, 1/10W
RK114	24066926	VR, 10k ohm, 1/10W
RK115	24066926	VR, 10k ohm, 1/10W
RK116	24066926	VR, 10k ohm, 1/10W
RK117	24066926	VR, 10k ohm, 1/10W
RK118	24066926	VR, 10k ohm, 1/10W
RK119	24066926	VR, 10k ohm, 1/10W
RL01	24872153	Chip, 15k ohm, 1/16W
RL02	24872103	Chip, 10k ohm, 1/16W
RL03	24872103	Chip, 10k ohm, 1/16W
RL10	24000824	Chip Jumper, 2125 type
RL12	24872104	Chip, 100k ohm, 1/16W
RM02	24366102	CF, 1k ohm
RM03	24366102	CF, 1k ohm
RM04	24366153	CF, 15k ohm
RM05	24366153	CF, 15k ohm
RM06	24366202	CF, 2k ohm
RM09	24366102	CF, 1k ohm
RM17	24366431	CF, 430 ohm
RM18	24366431	CF, 430 ohm
RM19	24366431	CF, 430 ohm
RM20	24366431	CF, 430 ohm
RM22	24366222	CF, 2200 ohm
RM23	24366222	CF, 2200 ohm
RM24	24366222	CF, 2200 ohm
RM25	24366222	CF, 2200 ohm
RM26	24366431	CF, 430 ohm
RM27	24366431	CF, 430 ohm
RM37	24366102	CF, 1k ohm
RM38	24366102	CF, 1k ohm
RM62	24366512	CF, 5100 ohm
RM63	24366512	CF, 5100 ohm
RM64	24366512	CF, 5100 ohm
RM73	24366272	CF, 2700 ohm
RM74	24366361	CF, 360 ohm
RM75	24366103	CF, 10k ohm
RM151	24366472	CF, 4700 ohm
RM152	24366472	CF, 4700 ohm

Location No.	Part No.	Description
RM153	24366472	CF, 4700 ohm
RM154	24366472	CF, 4700 ohm
RM155	24366472	CF, 4700 ohm
RM156	24366472	CF, 4700 ohm
RM157	24366472	CF, 4700 ohm
RM158	24366472	CF, 4700 ohm
RN01	24366394	CF, 390k ohm
RN02	24366102	CF, 1k ohm
RN03	24366102	CF, 1k ohm
RN04	24366273	CF, 27k ohm
RN05	24366183	CF, 18k ohm
RN06	24366102	CF, 1k ohm
RN07	24366102	CF, 1k ohm
RN08	24366273	CF, 39k ohm
RN09	24366183	CF, 18k ohm
RN10	24366102	CF, 1k ohm
RN11	24366102	CF, 1k ohm
RN12	24366393	CF, 39k ohm
RN13	24366393	CF, 39k ohm
RN15	24366153	CF, 15k ohm
RN16	24366182	CF, 1800 ohm
RN17	24366822	CF, 8200 ohm
RN18	24366752	CF, 7500 ohm
RN19	24366102	CF, 1k ohm
RN20	24366473	CF, 47k ohm
RN21	24366101	CF, 100 ohm
RN22	24366511	CF, 510 ohm
RN23	24366242	CF, 2400 ohm
RN24	24366103	CF, 10k ohm
RN25	24366103	CF, 10k ohm
RN26	24366823	CF, 82k ohm
RN27	24366823	CF, 82k ohm
RN28	24366272	CF, 2700 ohm
RN29	24366153	CF, 15k ohm
RN30	24366102	CF, 1k ohm
RN31	24366473	CF, 47k ohm
RN32	24366222	CF, 2200 ohm
RN33	24366222	CF, 2200 ohm
RN34	24366392	CF, 3900 ohm
RN35	24366392	CF, 3900 ohm
RN36	24366222	CF, 2200 ohm
RN37	24366103	CF, 10k ohm
RN38	24366103	CF, 10k ohm
RP01	24872101	Chip, 100 ohm, 1/16W
RP02	24872101	Chip, 100 ohm, 1/16W
RP03	24872101	Chip, 100 ohm, 1/16W
RP04	24872101	Chip, 100 ohm, 1/16W
RP05	24872104	Chip, 100k ohm, 1/16W
RP06	24872272	Chip, 2700 ohm, 1/16W
RP07	24872104	Chip, 100k ohm, 1/16W
RP08	24872272	Chip, 2700 ohm, 1/16W
RP09	24872104	Chip, 100k ohm, 1/16W
RP10	24872104	Chip, 100k ohm, 1/16W
RP11	24872272	Chip, 2700 ohm, 1/16W
RP12	24872562	Chip, 5600 ohm, 1/16W
RP13	24872104	Chip, 100k ohm, 1/16W
RP15	24000824	Chip Jumper, 2125 type
RP16	24872104	Chip, 100k ohm, 1/16W
RP17	24000824	Chip Jumper, 2125 type
RP19	24872822	Chip, 8200 ohm, 1/16W
RP20	24872105	Chip, 1M ohm, 1/16W
RP21	24872822	Chip, 8200 ohm, 1/16W
RP22	24872822	Chip, 8200 ohm, 1/16W
RP23	24872101	Chip, 100 ohm, 1/16W

Location No.	Part No.	Description
RP24	24872562	Chip, 5600 ohm, 1/16W
RP25	24872272	Chip, 2700 ohm, 1/16W
RP26	24872822	Chip, 8200 ohm, 1/16W
RP27	24872822	Chip, 8200 ohm, 1/16W
RP28	24872103	Chip, 10k ohm, 1/16W
RP29	24872103	Chip, 10k ohm, 1/16W
RP30	24872822	Chip, 8200 ohm, 1/16W
RP31	24872101	Chip, 100 ohm, 1/16W
RP32	24872473	Chip, 47k ohm, 1/16W
RP33	24872225	Chip, 2.2M ohm, 1/16W
RP34	24872822	Chip, 8200 ohm, 1/16W
RP35	24872822	Chip, 8200 ohm, 1/16W
RP36	24872822	Chip, 8200 ohm, 1/16W
RP37	24000593	Chip, 10k ohm, $\pm 1\%$, 1/16W
RP38	24872912	Chip, 9100 ohm, 1/16W
RP39	24872562	Chip, 5600 ohm, 1/16W
RP40	24872104	Chip, 100k ohm, 1/16W
RP42	24000593	Chip, 10k ohm, $\pm 1\%$, 1/16W
RP43	24000593	Chip, 10k ohm, $\pm 1\%$, 1/16W
RP44	24000593	Chip, 10k ohm, $\pm 1\%$, 1/16W
RP45	24872103	Chip, 10k ohm, 1/16W
RP46	24872183	Chip, 18k ohm, 1/16W
RP47	24872912	Chip, 9100 ohm, 1/16W
RP48	24872271	Chip, 270 ohm, 1/16W
RP49	24872103	Chip, 10k ohm, 1/16W
RP50	24872203	Chip, 20k ohm, 1/16W
RP51	24872472	Chip, 4700 ohm, 1/16W
RP52	24872104	Chip, 100k ohm, 1/16W
RP53	24872472	Chip, 4700 ohm, 1/16W
RP54	24872103	Chip, 10k ohm, 1/16W
RP55	24872153	Chip, 15k ohm, 1/16W
RP56	24872392	Chip, 3900 ohm, 1/16W
RP57	24872153	Chip, 15k ohm, 1/16W
RP58	24872562	Chip, 5600 ohm, 1/16W
RP60	24872103	Chip, 10k ohm, 1/16W
RP61	24872105	Chip, 1M ohm, 1/16W
RP62	24872101	Chip, 100 ohm, 1/16W
RP63	24872101	Chip, 100 ohm, 1/16W
RP64	24872101	Chip, 100 ohm, 1/16W
RP65	24553680	OMF, 68 ohm, 1W
RP66	24871222	Chip, 2200 ohm, 1/8W
RP67	24871182	Chip, 1800 ohm, 1/8W
RP68	24872394	Chip, 390k ohm, 1/16W
RP69	24871105	Chip, 1M ohm, 1/8W
RP70	24872103	Chip, 10k ohm, 1/16W
RP71	24872102	Chip, 1k ohm, 1/16W
RP72	24872104	Chip, 100k ohm, 1/16W
RP73	24872102	Chip, 1k ohm, 1/16W
RP74	24872102	Chip, 1k ohm, 1/16W
RP75	24872104	Chip, 100k ohm, 1/16W
RP76	24872104	Chip, 100k ohm, 1/16W
RP77	24872153	Chip, 15k ohm, 1/16W
RP78	24872473	Chip, 47k ohm, 1/16W
RP79	24872101	Chip, 100 ohm, 1/16W
RP80	24872153	Chip, 15k ohm, 1/16W
RP81	24000824	Chip Jumper, 2125 type
RP82	24872563	Chip, 56k ohm, 1/16W
RP83	24872103	Chip, 10k ohm, 1/16W
RP84	24872103	Chip, 10k ohm, 1/16W
RP87	24872101	Chip, 100 ohm, 1/16W
RP88	24872104	Chip, 100k ohm, 1/16W
RP89	24872103	Chip, 10k ohm, 1/16W
RP90	24872332	Chip, 3300 ohm, 1/16W
RP93	24872682	Chip, 6800 ohm, 1/16W

Location No.	Part No.	Description
RP98	24063673	VR, 10k ohm, 0.08W
RP99	24872103	Chip, 10k ohm, 1/16W
RS01	24366104	CF, 100k ohm
RS03	24366104	CF, 100k ohm
RS04	24366103	CF, 10k ohm
RS05	24366102	CF, 1k ohm
RS06	24366103	CF, 10k ohm
RS07	24366472	CF, 4700 ohm
RS08	24366472	CF, 4700 ohm
RS09	24366102	CF, 1k ohm
RS10	24366472	CF, 4700 ohm
RS12	24366472	CF, 4700 ohm
RS14	24366103	CF, 10k ohm
RS26	24366101	CF, 100 ohm
RS27	24366101	CF, 100 ohm
RS42	24366222	CF, 2200 ohm
RS43	24366222	CF, 2200 ohm
RS44	24366472	CF, 4700 ohm
RS45	24366472	CF, 4700 ohm
RS50	24366472	CF, 4700 ohm
RS51	24366472	CF, 4700 ohm
RS52	24366821	CF, 820 ohm
△ RS53	24545150	FR, 15 ohm, 1/4W
RT01	24366472	CF, 4700 ohm
RT02	24366472	CF, 4700 ohm
RT03	24366103	CF, 10k ohm
RT04	24366223	CF, 22k ohm
RT05	24366223	CF, 22k ohm
RT06	24366223	CF, 22k ohm
RT07	24366472	CF, 4700 ohm
RT08	24366472	CF, 4700 ohm
RT09	24366472	CF, 4700 ohm
RT10	24366472	CF, 4700 ohm
RT11	24366472	CF, 4700 ohm
RT12	24366243	CF, 24k ohm
RT13	24366472	CF, 4700 ohm
RT14	24366203	CF, 20k ohm
RT15	24366472	CF, 4700 ohm
RT16	24366562	CF, 5600 ohm
RT17	24366472	CF, 4700 ohm
RT18	24366472	CF, 4700 ohm
RT19	24366472	CF, 4700 ohm
RT20	24366752	CF, 7500 ohm
RT21	24366472	CF, 4700 ohm
RT22	24366472	CF, 4700 ohm
RT23	24366752	CF, 7500 ohm
RT24	24366103	CF, 10k ohm
RT25	24366103	CF, 10k ohm
RT26	24366103	CF, 10k ohm
RT27	24366103	CF, 10k ohm
RT28	24366103	CF, 10k ohm
RT29	24366472	CF, 4700 ohm
RT31	24366103	CF, 10k ohm
RT33	24366223	CF, 22k ohm
RT34	24366223	CF, 22k ohm
RT35	24366153	CF, 15k ohm
RT37	24366153	CF, 15k ohm
RT38	24366153	CF, 15k ohm
RT39	24366472	CF, 4700 ohm
RT40	24366472	CF, 4700 ohm
RT42	24366472	CF, 4700 ohm
RT43	24366472	CF, 4700 ohm
RT44	24366223	CF, 22k ohm
RT45	24366223	CF, 22k ohm

Location No.	Part No.	Description
RT46	24366223	CF, 22k ohm
RT47	24366822	CF, 8200 ohm
RT48	24366472	CF, 4700 ohm
RT49	24366472	CF, 4700 ohm
RT50	24366472	CF, 4700 ohm
RT51	24366822	CF, 8200 ohm
RT52	24366103	CF, 10k ohm
RT53	24366103	CF, 10k ohm
RT55	24366472	CF, 4700 ohm
RT57	24366472	CF, 4700 ohm
RT58	24366362	CF, 3600 ohm
RT59	24366472	CF, 4700 ohm
RT60	24366472	CF, 4700 ohm
RT61	24366472	CF, 4700 ohm
RT62	24366472	CF, 4700 ohm
RT63	24366472	CF, 4700 ohm
RT65	24366472	CF, 4700 ohm
RT66	24366472	CF, 4700 ohm
RT67	24366103	CF, 10k ohm
RT68	24366103	CF, 10k ohm
RT79	24366153	CF, 15k ohm
RT82	24366472	CF, 4700 ohm
RT85	24366103	CF, 10k ohm
RT86	24366103	CF, 10k ohm
RT88	24366472	CF, 4700 ohm
RT89	24366472	CF, 4700 ohm
RT90	24366472	CF, 4700 ohm
RT91	24366472	CF, 4700 ohm
RT95	24366153	CF, 15k ohm
RT96	24366273	CF, 27k ohm
RT97	24366123	CF, 12k ohm
RT98	24366333	CF, 33k ohm
RT100	24366472	CF, 4700 ohm
RT101	24366472	CF, 4700 ohm
RT103	24366472	CF, 4700 ohm
RT104	24366472	CF, 4700 ohm
RT105	24366472	CF, 4700 ohm
RT106	24366472	CF, 4700 ohm
RT107	24366472	CF, 4700 ohm
RT109	24366472	CF, 4700 ohm
RT110	24366472	CF, 4700 ohm
RT121	24366472	CF, 4700 ohm
RT122	24366472	CF, 4700 ohm
RT124	24366472	CF, 4700 ohm
RT125	24366472	CF, 4700 ohm
RT126	24366472	CF, 4700 ohm
RT127	24366622	CF, 6200 ohm
RT128	24366153	CF, 15k ohm
RT129	24366103	CF, 10k ohm
RT130	24366103	CF, 10k ohm
RT131	24366472	CF, 4700 ohm
RT132	24366472	CF, 4700 ohm
RV02	24366472	CF, 4700 ohm
RV03	24366102	CF, 1k ohm
RV04	24366102	CF, 1k ohm
RV05	24366471	CF, 470 ohm
RV06	24366471	CF, 470 ohm
RV07	24366103	CF, 10k ohm
RV08	24366821	CF, 820 ohm
△ RV09	24000665	FR, 15 ohm, 1/4W
RV10	24366102	CF, 1k ohm
RV14	24366561	CF, 560 ohm
RV15	24366561	CF, 560 ohm
RV16	24366471	CF, 470 ohm

Location No.	Part No.	Description
RV17	24366561	CF, 560 ohm
RV18	24366471	CF, 470 ohm
RV19	24366103	CF, 10k ohm
RV20	24366562	CF, 5600 ohm
RV26	24366221	CF, 220 ohm
RV30	24366332	CF, 3300 ohm
RV38	24366104	CF, 100k ohm
RV39	24366104	CF, 100k ohm
RV81	24366750	CF, 75 ohm
RV82	24366750	CF, 75 ohm
RV83	24366302	CF, 3k ohm
RV84	24366750	CF, 75 ohm
RV85	24366750	CF, 75 ohm
RV88	24366750	CF, 75 ohm
RV89	24366750	CF, 75 ohm
RV90	24366750	CF, 75 ohm
RV103	24366101	CF, 100 ohm
RV110	24366750	CF, 75 ohm
RV111	24366302	CF, 3k ohm
RV112	24366223	CF, 22k ohm
RV117	24366471	CF, 470 ohm
RX01	24872473	Chip, 47k ohm, 1/16W
RX02	24872473	Chip, 47k ohm, 1/16W
RX03	24872562	Chip, 5600 ohm, 1/16W
RX04	24872103	Chip, 10k ohm, 1/16W
RX15	24872101	Chip, 100 ohm, 1/16W
RX16	24872103	Chip, 10k ohm, 1/16W
RX17	24872101	Chip, 100 ohm, 1/16W
RX18	24872102	Chip, 1k ohm, 1/16W
RX19	24872101	Chip, 100 ohm, 1/16W
RX20	24872101	Chip, 100 ohm, 1/16W
RX21	24872392	Chip, 3900 ohm, 1/16W
RX22	24872472	Chip, 4700 ohm, 1/16W
RX23	24872472	Chip, 4700 ohm, 1/16W
RX24	24872101	Chip, 100 ohm, 1/16W
RX25	24872101	Chip, 100 ohm, 1/16W
RX36	24872122	Chip, 1200 ohm, 1/16W
RX37	24872101	Chip, 100 ohm, 1/16W
RX38	24872472	Chip, 4700 ohm, 1/16W
RX39	24872103	Chip, 10k ohm, 1/16W
RX451	24872103	Chip, 10k ohm, 1/16W
RX452	24872103	Chip, 10k ohm, 1/16W
RX453	24872754	Chip, 750k ohm, 1/16W
RX454	24872153	Chip, 15k ohm, 1/16W
RX455	24871561	Chip, 560 ohm, 1/8W
RX456	24872472	Chip, 4700 ohm, 1/16W
RX457	24872273	Chip, 27k ohm, 1/16W
RX601	24872332	Chip, 3300 ohm, 1/16W
RX602	24872332	Chip, 3300 ohm, 1/16W
RX603	24872183	Chip, 18k ohm, 1/16W
RX604	24872472	Chip, 4700 ohm, 1/16W
RX605	24872472	Chip, 4700 ohm, 1/16W
RX606	24872183	Chip, 18k ohm, 1/16W
RX700	24872561	Chip, 560 ohm, 1/16W
RX701	24872560	Chip, 56 ohm, 1/16W
RX702	24872332	Chip, 3300 ohm, 1/16W
RX703	24872560	Chip, 56 ohm, 1/16W
RX704	24872221	Chip, 220 ohm, 1/16W
RX705	24872152	Chip, 1500 ohm, 1/16W
RX706	24872271	Chip, 270 ohm, 1/16W
RX707	24872152	Chip, 1500 ohm, 1/16W
RX708	24872222	Chip, 2200 ohm, 1/16W
RX709	24872561	Chip, 560 ohm, 1/16W
RX710	24872272	Chip, 2700 ohm, 1/16W

Location No.	Part No.	Description
RX711	24872561	Chip, 560 ohm, 1/16W
RX712	24872151	Chip, 150 ohm, 1/16W
RX713	24872222	Chip, 2200 ohm, 1/16W
RX714	24872681	Chip, 680 ohm, 1/16W
RX715	24872561	Chip, 560 ohm, 1/16W
RX716	24872560	Chip, 56 ohm, 1/16W
RX717	24872561	Chip, 560 ohm, 1/16W
RX718	24872561	Chip, 560 ohm, 1/16W
RX719	24871391	Chip, 390 ohm, 1/8W
RX722	24872680	Chip, 68 ohm, 1/16W
RX723	24872221	Chip, 220 ohm, 1/16W
RX728	24872271	Chip, 270 ohm, 1/16W
RX729	24872821	Chip, 820 ohm, 1/16W
RX733	24872272	Chip, 2700 ohm, 1/16W
RX734	24872272	Chip, 2700 ohm, 1/16W
RX735	24872152	Chip, 1500 ohm, 1/16W
RX736	24872152	Chip, 1500 ohm, 1/16W
RX737	24872102	Chip, 1k ohm, 1/16W
RX738	24872102	Chip, 1k ohm, 1/16W
RX739	24872471	Chip, 470 ohm, 1/16W
RX740	24872680	Chip, 68 ohm, 1/16W
RX741	24872680	Chip, 68 ohm, 1/16W
RX742	24871561	Chip, 560 ohm, 1/8W
RX743	24872101	Chip, 100 ohm, 1/16W
RX801	24872104	Chip, 100k ohm, 1/16W
RX802	24872102	Chip, 1k ohm, 1/16W
RX803	24872102	Chip, 1k ohm, 1/16W
RX804	24872221	Chip, 220 ohm, 1/16W
RX805	24872221	Chip, 220 ohm, 1/16W
RX806	24872102	Chip, 1k ohm, 1/16W
RX810	24872102	Chip, 1k ohm, 1/16W
RX811	24872102	Chip, 1k ohm, 1/16W
RX901	24872681	Chip, 680 ohm, 1/16W
RX902	24872561	Chip, 560 ohm, 1/16W
RX906	24872183	Chip, 18k ohm, 1/16W
RX908	24872563	Chip, 56k ohm, 1/16W
RX915	24872331	Chip, 330 ohm, 1/16W
RX916	24872202	Chip, 2k ohm, 1/16W
RX917	24872152	Chip, 1500 ohm, 1/16W
RX923	24872152	Chip, 1500 ohm, 1/16W
RX924	24872152	Chip, 1500 ohm, 1/16W
RX925	24872390	Chip, 39 ohm, 1/16W
RX929	24872390	Chip, 39 ohm, 1/16W
RX931	24872471	Chip, 470 ohm, 1/16W
RX932	24872392	Chip, 3900 ohm, 1/16W
RX933	24872471	Chip, 470 ohm, 1/16W
RX934	24872392	Chip, 3900 ohm, 1/16W
RX935	24872152	Chip, 1500 ohm, 1/16W
RX936	24872152	Chip, 1500 ohm, 1/16W
RX937	24872390	Chip, 39 ohm, 1/16W
RX938	24872393	Chip, 39k ohm, 1/16W
RY01	24872152	Chip, 1500 ohm, 1/16W
RY03	24871122	Chip, 1200 ohm, 1/8W
RY04	24872162	Chip, 1600 ohm, 1/16W
RY05	24872162	Chip, 1600 ohm, 1/16W
RY10	24872103	Chip, 10k ohm, 1/16W
RY11	24872103	Chip, 10k ohm, 1/16W
RY12	24872202	Chip, 2k ohm, 1/16W
RY13	24872103	Chip, 10k ohm, 1/16W
RY14	24872223	Chip, 22k ohm, 1/16W
RY15	24872223	Chip, 22k ohm, 1/16W
RY18	24872332	Chip, 3300 ohm, 1/16W
RY19	24872332	Chip, 3300 ohm, 1/16W
RY20	24872103	Chip, 10k ohm, 1/16W

Location No.	Part No.	Description
RY21	24872162	Chip, 1600 ohm, 1/16W
RY23	24872102	Chip, 1k ohm, 1/16W
RY24	24872182	Chip, 1800 ohm, 1/16W
RY25	24872431	Chip, 430 ohm, 1/16W
RY26	24872105	Chip, 1M ohm, 1/16W
RY27	24872332	Chip, 3300 ohm, 1/16W
RY28	24872361	Chip, 360 ohm, 1/16W
RY29	24872431	Chip, 430 ohm, 1/16W
RY30	24872334	Chip, 330k ohm, 1/16W
RY33	24872511	Chip, 510 ohm, 1/16W
RY34	24872821	Chip, 820 ohm, 1/16W
RY36	24872824	Chip, 820k ohm, 1/16W
RY37	24872684	Chip, 680k ohm, 1/16W
RY38	24872223	Chip, 22k ohm, 1/16W
RY40	24872103	Chip, 10k ohm, 1/16W
RY41	24872153	Chip, 15k ohm, 1/16W
RY42	24872562	Chip, 5600 ohm, 1/16W
RY43	24872512	Chip, 5100 ohm, 1/16W
RY44	24872102	Chip, 1k ohm, 1/16W
RY45	24872682	Chip, 6800 ohm, 1/16W
RY46	24872102	Chip, 1k ohm, 1/16W
RY47	24872821	Chip, 820 ohm, 1/16W
RY49	24872682	Chip, 6800 ohm, 1/16W
RY51	24066598	VR, 2k ohm, 1/10W
RY52	24066598	VR, 2k ohm, 1/10W
RY53	24066601	VR, 20k ohm, 1/10W
RY67	24872202	Chip, 2k ohm, 1/16W
RY68	24872202	Chip, 2k ohm, 1/16W
RY69	24872681	Chip, 680 ohm, 1/16W
RY70	24872681	Chip, 680 ohm, 1/16W
RY72	24872102	Chip, 1k ohm, 1/16W
RY73	24872102	Chip, 1k ohm, 1/16W
RY74	24872561	Chip, 560 ohm, 1/16W
RY76	24872333	Chip, 33k ohm, 1/16W
RY77	24872202	Chip, 2k ohm, 1/16W
RY78	24872202	Chip, 2k ohm, 1/16W
RY79	24872223	Chip, 22k ohm, 1/16W
RY80	24872242	Chip, 2400 ohm, 1/16W
RY81	24872242	Chip, 2400 ohm, 1/16W
RY82	24872103	Chip, 10k ohm, 1/16W
RY83	24872103	Chip, 10k ohm, 1/16W
RY95	24871122	Chip, 1200 ohm, 1/8W
RY86	24872432	Chip, 4300 ohm, 1/16W
RY87	24872432	Chip, 4300 ohm, 1/16W
RY88	24872332	Chip, 3300 ohm, 1/16W
RY89	24872822	Chip, 8200 ohm, 1/16W
RY90	24872202	Chip, 2k ohm, 1/16W
RY91	24872102	Chip, 1k ohm, 1/16W
RY92	24872102	Chip, 1k ohm, 1/16W
RY93	24872102	Chip, 1k ohm, 1/16W
RY95	24872102	Chip, 1k ohm, 1/16W
RY96	24872102	Chip, 1k ohm, 1/16W
RY97	24872102	Chip, 1k ohm, 1/16W
RY98	24871102	Chip, 1k ohm, 1/8W
RY99	24871102	Chip, 1k ohm, 1/8W
RY100	24871102	Chip, 1k ohm, 1/8W
RY110	24872823	Chip, 82k ohm, 1/16W
RY111	24872822	Chip, 8200 ohm, 1/16W
RY112	24872332	Chip, 3300 ohm, 1/16W
RY113	24872153	Chip, 15k ohm, 1/16W
RY114	24872103	Chip, 10k ohm, 1/16W
RY119	24872392	Chip, 3900 ohm, 1/16W
RY124	24872103	Chip, 10k ohm, 1/16W
RY125	24872512	Chip, 5100 ohm, 1/16W

Location No.	Part No.	Description
RY127	24872103	Chip, 10k ohm, 1/16W
RY128	24872223	Chip, 22k ohm, 1/16W
RY130	24872102	Chip, 1k ohm, 1/16W
RY134	24872113	Chip, 11k ohm, 1/16W
RY135	24872153	Chip, 15k ohm, 1/16W
RY136	24872472	Chip, 4700 ohm, 1/16W
RY137	24872103	Chip, 10k ohm, 1/16W
RY138	24872272	Chip, 2700 ohm, 1/16W
RY139	24872162	Chip, 1600 ohm, 1/16W
RY140	24872562	Chip, 5600 ohm, 1/16W
RY147	24872102	Chip, 1k ohm, 1/16W
RY148	24872122	Chip, 1200 ohm, 1/16W
RY149	24872272	Chip, 2700 ohm, 1/16W
RY160	24872223	Chip, 22k ohm, 1/16W
RY161	24872333	Chip, 33k ohm, 1/16W
RY162	24872821	Chip, 820 ohm, 1/16W
RY163	24872273	Chip, 27k ohm, 1/16W
RY164	24872821	Chip, 820 ohm, 1/16W
RY165	24872222	Chip, 2200 ohm, 1/16W
RY166	24872821	Chip, 820 ohm, 1/16W
RY167	24872222	Chip, 2200 ohm, 1/16W
RY169	24872154	Chip, 150k ohm, 1/16W
RY170	24872154	Chip, 150k ohm, 1/16W
RY172	24000824	Chip Jumper, 2125 type
RY173	24872102	Chip, 1k ohm, 1/16W
RY174	24872272	Chip, 2700 ohm, 1/16W
RY175	24872682	Chip, 6800 ohm, 1/16W
RY176	24872222	Chip, 2200 ohm, 1/16W
RY177	24872101	Chip, 100 ohm, 1/16W
RY178	24872123	Chip, 12k ohm, 1/16W
RY179	24872101	Chip, 100 ohm, 1/16W
RY180	24872102	Chip, 1k ohm, 1/16W
RY181	24872822	Chip, 8200 ohm, 1/16W
RY182	24872332	Chip, 3300 ohm, 1/16W
RY183	24872101	Chip, 100 ohm, 1/16W
RY184	24872123	Chip, 12k ohm, 1/16W
RY185	24872101	Chip, 100 ohm, 1/16W
RY186	24872101	Chip, 100 ohm, 1/16W
RY187	24872123	Chip, 12k ohm, 1/16W
RY188	24872101	Chip, 100 ohm, 1/16W
RY189	24872272	Chip, 2700 ohm, 1/16W
RY190	24872272	Chip, 2700 ohm, 1/16W
RY191	24872103	Chip, 10k ohm, 1/16W
RY192	24872153	Chip, 15k ohm, 1/16W
RY193	24872392	Chip, 3900 ohm, 1/16W
RY194	24872514	Chip, 510k ohm, 1/16W
RY195	24872183	Chip, 18k ohm, 1/16W
RY196	24872562	Chip, 5600 ohm, 1/16W
RY197	24872333	Chip, 33k ohm, 1/16W
RY198	24872122	Chip, 1200 ohm, 1/16W
RY199	24872101	Chip, 100 ohm, 1/16W
RY600	24872512	Chip, 5100 ohm, 1/16W
RY601	24872512	Chip, 5100 ohm, 1/16W
RY602	24872222	Chip, 2200 ohm, 1/16W
RY603	24872102	Chip, 1k ohm, 1/16W
RY604	24872102	Chip, 1k ohm, 1/16W
RY605	24871301	Chip, 300 ohm, 1/8W
RY607	24872101	Chip, 100 ohm, 1/16W
RZ01	24872390	Chip, 39 ohm, 1/16W
RZ02	24872152	Chip, 1500 ohm, 1/16W
RZ03	24872202	Chip, 2k ohm, 1/16W
RZ04	24872332	Chip, 3300 ohm, 1/16W
RZ05	24871561	Chip, 560 ohm, 1/8W
RZ06	24871511	Chip, 510 ohm, 1/8W

Location No.	Part No.	Description
RZ07	24871331	Chip, 330 ohm, 1/8W
RZ08	24872151	Chip, 150 ohm, 1/16W
RZ09	24872390	Chip, 39 ohm, 1/16W
RZ10	24872102	Chip, 1k ohm, 1/16W
RZ11	24872681	Chip, 680 ohm, 1/16W
RZ12	24872242	Chip, 2400 ohm, 1/16W
RZ13	24872122	Chip, 1200 ohm, 1/16W
RZ14	24872682	Chip, 6800 ohm, 1/16W
RZ15	24872821	Chip, 820 ohm, 1/16W
RZ16	24872510	Chip, 51 ohm, 1/16W
RZ17	24871391	Chip, 390 ohm, 1/8W
RZ18	24872151	Chip, 150 ohm, 1/16W
RZ19	24872821	Chip, 820 ohm, 1/16W
RZ20	24871511	Chip, 510 ohm, 1/8W
RZ21	24872202	Chip, 2k ohm, 1/16W
RZ22	24872221	Chip, 220 ohm, 1/16W
RZ23	24872271	Chip, 270 ohm, 1/16W
RZ24	24872101	Chip, 100 ohm, 1/16W
RZ25	24872103	Chip, 10k ohm, 1/16W
RZ26	24872331	Chip, 330 ohm, 1/16W
RZ27	24872272	Chip, 2700 ohm, 1/16W
RZ28	24872272	Chip, 2700 ohm, 1/16W
RZ29	24872512	Chip, 5100 ohm, 1/16W
RZ30	24872332	Chip, 3300 ohm, 1/16W
RZ31	24872472	Chip, 4700 ohm, 1/16W
RZ32	24872202	Chip, 2k ohm, 1/16W
RZ33	24872510	Chip, 51 ohm, 1/16W
RZ34	24872102	Chip, 1k ohm, 1/16W
RZ35	24872224	Chip, 220k ohm, 1/16W
RZ36	24872361	Chip, 360 ohm, 1/16W
RZ37	24871561	Chip, 560 ohm, 1/8W
RZ38	24872331	Chip, 330 ohm, 1/16W
RZ39	24872754	Chip, 750k ohm, 1/16W
RZ40	24872205	Chip, 1M ohm, 1/16W
RZ41	24872161	Chip, 160 ohm, 1/16W
RZ42	24872471	Chip, 470 ohm, 1/16W
RZ43	24872754	Chip, 750k ohm, 1/16W
RZ44	24872103	Chip, 10k ohm, 1/16W
RZ45	24872512	Chip, 5100 ohm, 1/16W
RZ46	24872244	Chip, 240k ohm, 1/16W
RZ47	24872562	Chip, 5600 ohm, 1/16W
RZ48	24871621	Chip, 620 ohm, 1/8W
RZ49	24872102	Chip, 1k ohm, 1/16W
RZ50	24872472	Chip, 4700 ohm, 1/16W
RZ51	24871221	Chip, 220 ohm, 1/8W
RZ52	24872103	Chip, 10k ohm, 1/16W
RZ53	24872273	Chip, 27k ohm, 1/16W
RZ54	24872472	Chip, 4700 ohm, 1/16W
RZ55	24872271	Chip, 270 ohm, 1/16W
RZ56	24872471	Chip, 470 ohm, 1/16W
RZ57	24872121	Chip, 120 ohm, 1/16W
RZ58	24872511	Chip, 510 ohm, 1/16W
RZ59	24872102	Chip, 1k ohm, 1/16W
RZ60	24872102	Chip, 1k ohm, 1/16W
RZ61	24872102	Chip, 1k ohm, 1/16W
RZ62	24872332	Chip, 3300 ohm, 1/16W
RZ63	24872680	Chip, 68 ohm, 1/16W
RZ64	24872510	Chip, 51 ohm, 1/16W
RZ65	24872682	Chip, 6800 ohm, 1/16W
RZ66	24872512	Chip, 5100 ohm, 1/16W
RZ67	24871122	Chip, 1200 ohm, 1/8W

Location No.	Part No.	Description
COILS & TRANSFORMERS		
L060	23238702	Coil, Peaking, TRF4101AJ
L061	23238702	Coil, Peaking, TRF4101AJ
L062	23237975	Coil, Peaking, TRF4101AC
L063	23103859	Coil (Ferrite Bead), TEM2011
L220	23238718	Coil, Peaking, TRF4479AJ
L221	23238562	Coil, Peaking, TRF4109AJ
L222	23238727	Coil, Peaking, TRF4332AI
L223	23237983	Coil, Peaking, TRF4220AC
L260	23238718	Coil, Peaking, TRF4479AJ
L360	23238702	Coil, Peaking, TRF4101AJ
L400	23238714	Coil, Peaking, TRF4100AJ
L402	23238714	Coil, Peaking, TRF4100AJ
L403	23238714	Coil, Peaking, TRF4100AJ
L410	23103859	Coil (Ferrite Bead), TEM2011
L411	23103859	Coil (Ferrite Bead), TEM2011
L422	23103859	Coil (Ferrite Bead), TEM2011
L423	23221961	Coil, Choke, TLN3017
L425	23221050	Coil, RF Choke, TLN1015
L441	23233045	Coil, Linearity, TLN2083G
L442	23222691	Coil, Width, TLN2031
L444	23221746	Coil, Choke, TLN3155D
L448	23221746	Coil, Choke, TLN3155D
△L462	23231076	Deflection Yoke, TDY7077S(R)
△L463	23231077	Deflection Yoke, TDY7077S(G)
△L464	23231078	Deflection Yoke, TDY7077S(B)
L470	23233064	Coil, Width, TLN2110
L472	23102413	Coil, Focus, MAG-1073
L473	23102413	Coil, Focus, MAG-1073
L474	23102413	Coil, Focus, MAG-1073
L501	23238706	Coil, Peaking, TRF4470AJ
L502	23238705	Coil, Peaking, TRF4560AJ
L503	23238705	Coil, Peaking, TRF4560AJ
L801	23103880	Coil (Ferrite Bead), TEM2011Y
L802	23103880	Coil (Ferrite Bead), TEM2011Y
L803	23103880	Coil (Ferrite Bead), TEM2011Y
L804	23103880	Coil (Ferrite Bead), TEM2011Y
L805	23103880	Coil (Ferrite Bead), TEM2011Y
L806	23103880	Coil (Ferrite Bead), TEM2011Y
L807	23103880	Coil (Ferrite Bead), TEM2011Y
L810	23103880	Coil (Ferrite Bead), TEM2011Y
L811	23103880	Coil (Ferrite Bead), TEM2011Y
L812	23103880	Coil (Ferrite Bead), TEM2011Y
L813	23103880	Coil (Ferrite Bead), TEM2011Y
L816	23103880	Coil (Ferrite Bead), TEM2011Y
L817	23103880	Coil (Ferrite Bead), TEM2011Y
L818	23103880	Coil (Ferrite Bead), TEM2011Y
L819	23221886	Coil, Choke, TLN3073
L860	23103880	Coil (Ferrite Bead), TEM2011Y
L861	23103880	Coil (Ferrite Bead), TEM2011Y
L881	23103880	Coil (Ferrite Bead), TEM2011Y
L882	23103880	Coil (Ferrite Bead), TEM2011Y
L883	23103880	Coil (Ferrite Bead), TEM2011Y
L884	23103880	Coil (Ferrite Bead), TEM2011Y
L885	23103880	Coil (Ferrite Bead), TEM2011Y
L886	23103880	Coil (Ferrite Bead), TEM2011Y
L887	23103880	Coil (Ferrite Bead), TEM2011Y
L888	23103880	Coil (Ferrite Bead), TEM2011Y
L889	23221746	Coil, Choke, TLN3155D
L890	23103880	Coil (Ferrite Bead), TEM2011Y
L891	23103880	Coil (Ferrite Bead), TEM2011Y
L892	23103880	Coil (Ferrite Bead), TEM2011Y
L893	23103880	Coil (Ferrite Bead), TEM2011Y
L894	23103880	Coil (Ferrite Bead), TEM2011Y

Location No.	Part No.	Description
L901	23221891	Coil, Choke, TRF9254K
L908	23237987	Coil, Peaking, TRF4100AC
LA01	23238562	Coil, Peaking, TRF4109AJ
LA02	23262996	Coil, IF, TRF1169D
LA06	23237987	Coil, Peaking, TRF4100AC
LA10	23238713	Coil, Peaking, TRF4120AJ
LB71	23238714	Coil, Peaking, TRF4100AJ
LF01	23221746	Coil, Choke, TLN3155D
LF02	23221746	Coil, Choke, TLN3155D
LF03	23221886	Coil, Choke, TLN3073
LF04	23221746	Coil, Choke, TLN3155D
LF05	23221746	Coil, Choke, TLN3155D
LH01	23103859	Coil (Ferrite Bead), TEM2011
LH02	23237980	Coil, Peaking, TRF4390AC
LH03	23103859	Coil (Ferrite Bead), TEM2011
LH04	23103859	Coil (Ferrite Bead), TEM2011
LH05	23261974	Coil, Choke, HC5-035
LH06	23103859	Coil (Ferrite Bead), TEM2011
LH07	23103859	Coil (Ferrite Bead), TEM2011
LH10	23103859	Coil (Ferrite Bead), TEM2011
LH11	23103859	Coil (Ferrite Bead), TEM2011
LH12	23103859	Coil (Ferrite Bead), TEM2011
LH13	23103859	Coil (Ferrite Bead), TEM2011
LH41	23103859	Coil (Ferrite Bead), TEM2011
LH42	23237980	Coil, Peaking, TRF4390AC
LH43	23103859	Coil (Ferrite Bead), TEM2011
LH44	23103859	Coil (Ferrite Bead), TEM2011
LH45	23261974	Coil, Choke, HC5-035
LH46	23103859	Coil (Ferrite Bead), TEM2011
LH47	23103859	Coil (Ferrite Bead), TEM2011
LH49	23103859	Coil (Ferrite Bead), TEM2011
LH50	23103859	Coil (Ferrite Bead), TEM2011
LM01	23262682	Coil, IF, TRF1147T
LP01	23103859	Coil (Ferrite Bead), TEM2011
LP02	23238714	Coil, Peaking, TRF4100AJ
LV02	23237975	Coil, Peaking, TRF4101AC
LV05	23237978	Coil, Peaking, TRF4560AC
LV08	23237984	Coil, Peaking, TRF4180AC
LV47	23238705	Coil, Peaking, TRF4560AJ
LX410	23103866	Chip (Ferrite Bead), TEM2105T
LX411	23232878	Coil, Variable, TRF3503K
LX412	23103866	Chip (Ferrite Bead), TEM2105T
LX601	23103866	Chip (Ferrite Bead), TEM2105T
LX602	23103866	Chip (Ferrite Bead), TEM2105T
LX603	23103866	Chip (Ferrite Bead), TEM2105T
LX604	23103866	Chip (Ferrite Bead), TEM2105T
LX610	23103866	Chip (Ferrite Bead), TEM2105T
LX611	23103866	Chip (Ferrite Bead), TEM2105T
LX700	23289479	Coil, Peaking, TRF44R7AF
LX701	23103866	Chip (Ferrite Bead), TEM2105T
LX703	23103866	Chip (Ferrite Bead), TEM2105T
LX706	23289101	Coil, Peaking, TRF4101AF
LX707	23289101	Coil, Peaking, TRF4101AF

Location No.	Part No.	Description
LX800	23103866	Chip (Ferrite Bead), TEM2105T
LX801	23238562	Coil, Peaking, TRF4109AJ
LX802	23238562	Coil, Peaking, TRF4109AJ
LX805	23238562	Coil, Peaking, TRF4109AJ
LX807	23238562	Coil, Peaking, TRF4109AJ
LX808	23238562	Coil, Peaking, TRF4109AJ
LX809	23238562	Coil, Peaking, TRF4109AJ
LX810	23238562	Coil, Peaking, TRF4109AJ
LX811	23238562	Coil, Peaking, TRF4109AJ
LX812	23238562	Coil, Peaking, TRF4109AJ
LX813	23289560	Coil, Peaking, TRF4560AF
LX814	23289560	Coil, Peaking, TRF4560AF
LX815	23289560	Coil, Peaking, TRF4560AF
LX821	23238562	Coil, Peaking, TRF4109AJ
LX822	23238562	Coil, Peaking, TRF4109AJ
LX827	23238562	Coil, Peaking, TRF4109AJ
LX828	23238562	Coil, Peaking, TRF4109AJ
LX829	23238562	Coil, Peaking, TRF4109AJ
LX903	23238718	Coil, Peaking, TRF4479AJ
LX904	23238702	Coil, Peaking, TRF4101AJ
LX905	23238702	Coil, Peaking, TRF4101AJ
LX906	23103866	Chip (Ferrite Bead), TEM2105T
LY02	23238708	Coil, Peaking, TRF4330AJ
LY03	23238728	Coil, Peaking, TRF4272AJ
LY04	23238711	Coil, Peaking, TRF4180AJ
LY05	23238509	Coil, Peaking, TRF4151AJ
LY06	23238506	Coil, Peaking, TRF4229AJ
LY07	23238510	Coil, Peaking, TRF4181AJ
LY08	23238510	Coil, Peaking, TRF4181AJ
LY10	23238506	Coil, Peaking, TRF4229AJ
LY11	23238506	Coil, Peaking, TRF4229AJ
LY12	23238506	Coil, Peaking, TRF4229AJ
LY13	23238702	Coil, Peaking, TRF4101AJ
LY14	23238702	Coil, Peaking, TRF4101AJ
LY16	23238710	Coil, Peaking, TRF4220AJ
LY17	23103866	Chip (Ferrite Bead), TEM2105T
LY19	23103866	Chip (Ferrite Bead), TEM2105T
LY20	23238509	Coil, Peaking, TRF4151AJ
LY21	23238506	Coil, Peaking, TRF4229AJ
LY22	23238506	Coil, Peaking, TRF4229AJ
LZ01	23103866	Chip (Ferrite Bead), TEM2105T
LZ03	23103866	Chip (Ferrite Bead), TEM2105T
LZ04	23103866	Chip (Ferrite Bead), TEM2105T
LZ05	23103866	Chip (Ferrite Bead), TEM2105T
LZ06	23103866	Chip (Ferrite Bead), TEM2105T
LZ07	23103866	Chip (Ferrite Bead), TEM2105T
LZ08	23103866	Chip (Ferrite Bead), TEM2105T
LZ09	23103866	Chip (Ferrite Bead), TEM2105T
LZ10	23103866	Chip (Ferrite Bead), TEM2105T
LZ12	23103866	Chip (Ferrite Bead), TEM2105T

Location No.	Part No.	Description
LZ13	23103866	Chip (Ferrite Bead), TEM2105T
LZ15	23103866	Chip (Ferrite Bead), TEM2105T
LZ16	23103866	Chip (Ferrite Bead), TEM2105T
LZ17	23103866	Chip (Ferrite Bead), TEM2105T
LZ18	23103866	Chip (Ferrite Bead), TEM2105T
LZ19	23103866	Chip (Ferrite Bead), TEM2105T
LZ20	23289120	Coil, Peaking, TRF4120AF
LZ21	23107484	Filter, TLC1150T
LZ22	23289479	Coil, Peaking, TRF44R7AF
LZ23	23103866	Chip (Ferrite Bead), TEM2105T
LZ24	23289109	Coil, Peaking, TRF41R0AF
LZ25	23232824	Coil, Variable, TRF3518D
LZ26	23221685	Coil, Choke, TLN3193
LZ27	23103866	Chip (Ferrite Bead), TEM2105T
LZ30	23103866	Chip (Ferrite Bead), TEM2105T
T401	23224997	Transformer, Horiz. Drive, TLN1027
T420	23224997	Transformer, Horiz. Drive, TLN1027
△T421	23228937	Transformer, Side DPC, TPC2026
△T461	23236445	Transformer, Flyback, TFB5070AN
△T462	23224353	Transformer, Pulse, TLN2180
T470	23224346	Transformer, Focus, TLN2168
△T801	23211876	Line Filter, TRF3158
△T802	23211876	Line Filter, TRF3158
△T840	23217235	Transformer, Power, TPW1548AN
△T862	23217201	Transformer, Converter, TPW3272AD
△T888	23217234	Transformer, Converter, TPW3297AM
TC70	23217236	Transformer, Power, TPW1549AS
SEMICONDUCTORS		
IC305	23904660	IC, μ PD74HC123AC
IC344	B0351500	IC, TA75902P
IC360	B0384683	IC, TA8859AP
IC361	B0373230	IC, TA78012AP
IC412	B0350000	IC, TA75458P
IC501	B0384607	IC, TA8845AN
IC504	23319818	IC, MC14576BP
IC601	23318413	IC, LA4282
IC621	23318413	IC, LA4282
IC641	23318413	IC, LA4282
△IC701	23904231	IC, STK392-020
△IC702	23904231	IC, STK392-020
△IC801	23319956	IC, STR-M6515
△IC802	23319956	IC, STR-M6515
△IC840	23318299	IC, L78MR05
IC841	23319858	IC, NJM78M05FA
IC842	23319199	IC, MC7805CT
ICA01	23904725	IC, TMP87CM43N-4105

Location No.	Part No.	Description
ICA02	23319954	IC, μ PD6274CX
ICA03	23904259	IC, μ PD6453CY526
ICA05	23904661	IC, μ PD74HC4094C
ICA17	70119743	IC, PST523D
ICA18	23319234	IC, PST572G
ICB71	23318633	IC, CX-7948A
ICB72	23904659	IC, μ PD74HC32C
ICB76	23904655	IC, μ PD4066BC
△ICF01	23319314	IC, μ PC2412HF
ICF02	23319203	IC, MC7812CT
△ICF03	23319202	IC, MC7809CT
ICF04	23319202	IC, MC7809CT
ICF05	23319199	IC, MC7805CT
△ICJ01	23318840	IC, AN79M05F
△ICJ02	B0372540	IC, TA78005AP
ICJ03	23904230	IC, PA0036
ICJ04	23904230	IC, PA0036
ICJ05	23319808	IC, M5218AP
ICJ06	23319808	IC, M5218AP
ICJ08	23904660	IC, μ PD74HC123AC
ICJ11	23319808	IC, M5218AP
ICJ12	23319808	IC, M5218AP
ICJ13	23319808	IC, M5218AP
ICJ14	23319808	IC, M5218AP
ICJ15	23319808	IC, M5218AP
ICJ16	23319808	IC, M5218AP
ICJ19	23904655	IC, μ PD4066BC
ICJ20	23904655	IC, μ PD4066BC
ICJ21	23904655	IC, μ PD4066BC
ICJ30	23904721	IC, 74HC40103N
ICJ31	23904722	IC, μ PD74HC4053C
ICJ34	23904675	IC, MC14046BCP
ICJ35	23904674	IC, MC14013BCP
ICM01	23904564	IC, TMP87CH33N-3017
ICM02	B0384695	IC, TA8862P
ICN01	B0383935	IC, TA8776N
ICN02	23319802	IC, LM358N
ICN03	B0350000	IC, TA75458P
ICP01	23904408	IC, YM7306C
ICP02	23904407	IC, LH2464-10
ICP03	23318433	IC, M51131L
ICP04	B0470534	IC, TC4053BF
ICP05	B0345640	IC, TA7508F
ICP06	B0345640	IC, TA7508F
ICP07	B0345640	IC, TA7508F
ICP08	B0470534	IC, TC4053BF
ICP10	B0345640	IC, TA7508F
ICP11	B0350020	IC, TA75458F
ICP12	B0383935	IC, TA8776N
ICV01	B0384760	IC, TA8851AN
ICX31	23119139	IC, AN5862K
ICX42	B0372960	IC, TA78L009AP
ICX47	B0379550	IC, TA8667P
ICX60	B0410565	IC, TC9078F
ICX61	A6030640	IC, TC7S32F
ICX65	23318947	IC, MC74F74M
ICX70	B0452274	IC, TC35071F
ICX71	B0452274	IC, TC35071F
ICX72	A6030110	IC, TC4S66F
ICX73	B0488448	IC, TC74HC4066AF
ICX75	23314527	IC, XN4401
ICX95	23319795	IC, MC14577BP
ICY01	B0383950	IC, TA8779F
ICY02	B0470534	IC, TC4053BF

Location No.	Part No.	Description
ICY03	B0410575	IC, TC9082F
ICY04	23904279	IC, M5M4C500AL-5
ICY05	70119743	IC, PST523D
ICY06	A6030110	IC, TC4S66F
ICY07	A6030110	IC, TC4S66F
ICY17	23314314	IC, XN4501
ICY18	23314314	IC, XN4501
ICY33	23314314	IC, XN4501
ICY37	A6030110	IC, TC4S66F
ICY39	23314314	IC, XN4501
ICZ01	B0410478	IC, TC9057BF
ICZ02	70128425	IC, MB40968PF
ICZ03	70128424	IC, MB40568PF
ICZ04	B0379550	IC, TA8667P
ICZ05	B0383800	IC, TA8761P
ICZ06	23904272	IC, M518221-30ZS
ICZ07	23904272	IC, M518221-30ZS
Q180	A6012050	Transistor, RN2205
Q206	A6534053	Transistor, 2SA1015-Y(TE)
Q241	A6002040	Transistor, RN1204
Q242	A6317440	Transistor, 2SC1815-Y
Q243	A6002040	Transistor, RN1204
Q245	A6317440	Transistor, 2SC1815-Y
Q246	A6317440	Transistor, 2SC1815-Y
Q247	A6317440	Transistor, 2SC1815-Y
Q248	A6317440	Transistor, 2SC1815-Y
Q249	A6317440	Transistor, 2SC1815-Y
Q250	A6317440	Transistor, 2SC1815-Y
Q260	A6002040	Transistor, RN1204
Q263	A6534053	Transistor, 2SA1015-Y(TE)
Q270	A6534053	Transistor, 2SA1015-Y(TE)
Q271	A6317440	Transistor, 2SC1815-Y
Q291	23314204	Transistor, 2SC2412K, Q
Q292	A6541130	Transistor, 2SA1162-Y
Q301	A6324961	Transistor, 2SC2229-Y
△ Q302	A6365320	Transistor, 2SC3907-O
△ Q303	A6549470	Transistor, 2SA1516-O
Q306	A6317440	Transistor, 2SC1815-Y
Q307	A6002020	Transistor, RN1202
Q340	A6317440	Transistor, 2SC1815-Y
Q341	A6534053	Transistor, 2SA1015-Y(TE)
Q345	A6317440	Transistor, 2SC1815-Y
Q362	A6317440	Transistor, 2SC1815-Y
Q370	A6002040	Transistor, RN1204
Q371	A678971D	Transistor, 2SC1569 FA-5
Q372	A678971D	Transistor, 2SC1569 FA-5
Q402	A678971D	Transistor, 2SC1569 FA-5
△ Q404	A6365284	Transistor, 2SC3893A FA-1
Q414	23314277	Transistor, 2SC2655Y-CN
Q420	A6317440	Transistor, 2SC1815-Y
Q421	A6317440	Transistor, 2SC1815-Y
Q422	A6534053	Transistor, 2SA1015-Y(TE)
Q431	A6317440	Transistor, 2SC1815-Y
Q432	A678971C	Transistor, 2SC1569 FA-5
△ Q433	A6365284	Transistor, 2SC3893A FA-1
△ Q451	A6534036	Transistor, 2SA1015-O(TE)
Q452	A6317440	Transistor, 2SC1815-Y
Q458	A6317440	Transistor, 2SC1815-Y
Q480	A6317440	Transistor, 2SC1815-Y
Q703	A6534053	Transistor, 2SA1015-Y(TE)
Q704	A6317440	Transistor, 2SC1815-Y
Q705	A6534053	Transistor, 2SA1015-Y(TE)
Q706	A6317440	Transistor, 2SC1815-Y
Q707	A6317440	Transistor, 2SC1815-Y

Location No.	Part No.	Description
Q708	A6534053	Transistor, 2SA1015-Y(TE)
Q709	A6534053	Transistor, 2SA1015-Y(TE)
Q710	A6317440	Transistor, 2SC1815-Y
△ Q711	A6317440	Transistor, 2SC1815-Y
△ Q712	A6317440	Transistor, 2SC1815-Y
Q713	A6534053	Transistor, 2SA1015-Y(TE)
Q714	A6533730	Transistor, 2SA1012-Y
Q803	A6317440	Transistor, 2SC1815-Y
Q804	A6317440	Transistor, 2SC1815-Y
△ Q805	A8643135	Photo Coupler, TLP621(GRL)
Q806	A6333346	Transistor, 2SC2655-Y(C)
Q807	A6317440	Transistor, 2SC1815-Y
Q808	A6010060	Transistor, RN2006
Q809	A6317440	Transistor, 2SC1815-Y
△ Q843	A8643135	Photo Coupler, TLP621(GRL)
△ Q845	A6907752	Transistor, S1854 FA-1
Q862	A6317440	Transistor, 2SC1815-Y
Q863	A6317440	Transistor, 2SC1815-Y
Q870	A6532853	Transistor, 2SA949-Y(C)
△ Q902	A678970A	Transistor, 2SC1569
△ Q903	A678970A	Transistor, 2SC1569
△ Q904	A678970A	Transistor, 2SC1569
Q907	A6509154	Transistor, 2SA562TM-Y(T)
Q908	A6734590	Transistor, 2SC752(G)TM-Y
Q909	A6734590	Transistor, 2SC752(G)TM-Y
Q910	A6734590	Transistor, 2SC752(G)TM-Y
Q911	A6321265	Transistor, 2SC2120-Y(TE)
Q917	A6734590	Transistor, 2SC752(G)TM-Y
QA11	A6534053	Transistor, 2SA1015-Y(TE)
QA12	A6534053	Transistor, 2SA1015-Y(TE)
QA13	A6534053	Transistor, 2SA1015-Y(TE)
QA14	A6317440	Transistor, 2SC1815-Y
QA15	A6342206	Transistor, 2SC2878-A(TE)
QA16	A6342206	Transistor, 2SC2878-A(TE)
QA19	A6534053	Transistor, 2SA1015-Y(TE)
QA20	A6317440	Transistor, 2SC1815-Y
QA21	A6002010	Transistor, RN1201
QA70	A6317440	Transistor, 2SC1815-Y
QA71	A6534053	Transistor, 2SA1015-Y(TE)
QB24	A6317440	Transistor, 2SC1815-Y
QB25	A6317440	Transistor, 2SC1815-Y
QB41	A6002040	Transistor, RN1204
QB44	A6317440	Transistor, 2SC1815-Y
QB46	A6534053	Transistor, 2SA1015-Y(TE)
QB74	A6317440	Transistor, 2SC1815-Y
QB75	A6317440	Transistor, 2SC1815-Y
QB78	A6317440	Transistor, 2SC1815-Y
QB80	A6317440	Transistor, 2SC1815-Y
QB81	A6317440	Transistor, 2SC1815-Y
QB82	A6317440	Transistor, 2SC1815-Y
QB83	A6002060	Transistor, RN1206
QB84	A6002060	Transistor, RN1206
QB85	A6317440	Transistor, 2SC1815-Y
QG01	A6002030	Transistor, RN1203
QG02	A6002030	Transistor, RN1203
QG03	A6547303	Transistor, 2SA1321
QG04	A6325067	Transistor, 2SC2230A-Y
QH01	A6002030	Transistor, RN1203
QH02	A6317440	Transistor, 2SC1815-Y
QH03	A6317440	Transistor, 2SC1815-Y
QH04	A6317440	Transistor, 2SC1815-Y
QH05	A6734590	Transistor, 2SC752(G)TM-Y
QH06	A6734590	Transistor, 2SC752(G)TM-Y
QH07	A6317440	Transistor, 2SC1815-Y

Location No.	Part No.	Description
QH08	A6534053	Transistor, 2SA1015-Y(TE)
QH09	A6546665	Transistor, 2SA1306-Y
QH10	A6359135	Transistor, 2SC3298A-Y
QH41	A6002030	Transistor, RN1203
QH42	A6317440	Transistor, 2SC1815-Y
QH43	A6317440	Transistor, 2SC1815-Y
QH44	A6317440	Transistor, 2SC1815-Y
QH45	A6734590	Transistor, 2SC752(G)TM-Y
QH46	A6734590	Transistor, 2SC752(G)TM-Y
QH47	A6317440	Transistor, 2SC1815-Y
QH48	A6534053	Transistor, 2SA1015-Y(TE)
QH49	A6546665	Transistor, 2SA1306-Y
QH50	A6359135	Transistor, 2SC3298A-Y
QJ17	A6534145	Transistor, 2SA1020-Y(C)
QJ18	A6333346	Transistor, 2SC2655-Y(C)
QJ22	A6534053	Transistor, 2SA1015-Y(TE)
QJ24	A6317440	Transistor, 2SC1815-Y
QJ32	A6317440	Transistor, 2SC1815-Y
QJ33	A6317440	Transistor, 2SC1815-Y
QJ36	A6317440	Transistor, 2SC1815-Y
QJ37	A6317440	Transistor, 2SC1815-Y
QJ38	A6317440	Transistor, 2SC1815-Y
QJ39	A6317440	Transistor, 2SC1815-Y
QM03	A6317440	Transistor, 2SC1815-Y
QM04	A6534053	Transistor, 2SA1015-Y(TE)
QN04	A6342206	Transistor, 2SC2878-A(TE)
QN05	A6342206	Transistor, 2SC2878-A(TE)
QN06	A6317764	Transistor, 2SC1815-GR
QN07	A6342206	Transistor, 2SC2878-A(TE)
QN08	A6342206	Transistor, 2SC2878-A(TE)
QP14	A6359860	Transistor, 2SC3326-A
QP15	A6335477	Transistor, 2SC2712-Y
QP16	A6359860	Transistor, 2SC3326-A
QP17	A6359860	Transistor, 2SC3326-A
QS38	A6317440	Transistor, 2SC1815-Y
QS49	A6317440	Transistor, 2SC1815-Y
QV07	A6534053	Transistor, 2SA1015-Y(TE)
QV10	A6534053	Transistor, 2SA1015-Y(TE)
QV11	A6317440	Transistor, 2SC1815-Y
QV31	A6317440	Transistor, 2SC1815-Y
QV40	A6317440	Transistor, 2SC1815-Y
QV41	A6317440	Transistor, 2SC1815-Y
QX120	A6541130	Transistor, 2SA1162-Y
QX122	A6541130	Transistor, 2SA1162-Y
QX123	23314204	Transistor, 2SC2412K, Q
QX124	23314204	Transistor, 2SC2412K, Q
QX125	23314204	Transistor, 2SC2412K, Q
QX126	A6317440	Transistor, 2SC1815-Y
QX450	A6734590	Transistor, 2SC752(G)TM-Y
QX451	23314204	Transistor, 2SC2412K, Q
QX700	23314204	Transistor, 2SC2412K, Q
QX701	23314204	Transistor, 2SC2412K, Q
QX702	A6541140	Transistor, 2SA1162-GR
QX703	23314204	Transistor, 2SC2412K, Q
QX704	23314202	Transistor, 2SA1037K, Q
QX707	23314202	Transistor, 2SA1037K, Q
QX708	23314202	Transistor, 2SA1037K, Q
QX709	23314202	Transistor, 2SA1037K, Q
QX710	23314202	Transistor, 2SA1037K, Q
QX711	23314204	Transistor, 2SC2412K, Q
QX712	23314204	Transistor, 2SC2412K, Q
QX713	23314204	Transistor, 2SC2412K, Q
QX720	23314204	Transistor, 2SC2412K, Q
QX902	23314202	Transistor, 2SA1037K, Q

Location No.	Part No.	Description
QX903	23314202	Transistor, 2SA1037K, Q
QX904	23314202	Transistor, 2SA1037K, Q
QX906	23314202	Transistor, 2SA1037K, Q
QY10	A6541137	Transistor, 2SA1162-Y
QY11	A6335470	Transistor, 2SC2712-Y
QY13	A6335470	Transistor, 2SC2712-Y
QY14	A6004020	Transistor, RN1402
QY15	A6541137	Transistor, 2SA1162-Y
QY16	A6541137	Transistor, 2SA1162-Y
QY19	A6335470	Transistor, 2SC2712-Y
QY20	A6541137	Transistor, 2SA1162-Y
QY21	A6541137	Transistor, 2SA1162-Y
QY22	A6335470	Transistor, 2SC2712-Y
QY23	A6541137	Transistor, 2SA1162-Y
QY25	A6541137	Transistor, 2SA1162-Y
QY26	A6541137	Transistor, 2SA1162-Y
QY27	A6541137	Transistor, 2SA1162-Y
QY29	A6541137	Transistor, 2SA1162-Y
QY32	A6335470	Transistor, 2SC2712-Y
QY34	A6335470	Transistor, 2SC2712-Y
QY35	A6541137	Transistor, 2SA1162-Y
QY41	A6004020	Transistor, RN1402
QY42	A6004020	Transistor, RN1402
QY43	A6335470	Transistor, 2SC2712-Y
QY44	A6043330	Transistor, 2SK209-Y
QY45	A6043330	Transistor, 2SK209-Y
QY46	A6043330	Transistor, 2SK209-Y
QY47	A6335470	Transistor, 2SC2712-Y
QY48	A6335470	Transistor, 2SC2712-Y
QY49	A6335470	Transistor, 2SC2712-Y
QZ01	A6335470	Transistor, 2SC2712-Y
QZ02	A6335470	Transistor, 2SC2712-Y
QZ03	A6335470	Transistor, 2SC2712-Y
QZ04	A6335470	Transistor, 2SC2712-Y
QZ05	A6541130	Transistor, 2SA1162-Y
QZ06	A6335470	Transistor, 2SC2712-Y
QZ07	A6335470	Transistor, 2SC2712-Y
QZ08	A6541140	Transistor, 2SA1162-GR
QZ09	A6541130	Transistor, 2SA1162-Y
QZ10	A6335470	Transistor, 2SC2712-Y
QZ11	A6335470	Transistor, 2SC2712-Y
QZ12	A6043341	Transistor, 2SK209GR
QZ13	A6335470	Transistor, 2SC2712-Y
QZ14	A6335470	Transistor, 2SC2712-Y
QZ15	A6335480	Transistor, 2SC2712-GR
QZ16	A6734590	Transistor, 2SC752(G)TM-Y
QZ17	A6335470	Transistor, 2SC2712-Y
QZ18	A6335470	Transistor, 2SC2712-Y
QZ19	A6004020	Transistor, RN1402
QZ20	A6335470	Transistor, 2SC2712-Y
D060	23316411	Diode, Zener, HZT33-12
D182	A7150258	Diode, 1SS176
D204	A7150258	Diode, 1SS176
D215	A7150258	Diode, 1SS176
D216	A7150258	Diode, 1SS176
D217	A7150258	Diode, 1SS176
D218	A7150258	Diode, 1SS176
D219	A7150258	Diode, 1SS176
D220	A7150258	Diode, 1SS176
D221	23316339	Diode, Zener, UZ15BSB
D222	23316339	Diode, Zener, UZ15BSB
D223	23316339	Diode, Zener, UZ15BSB
D224	23316339	Diode, Zener, UZ15BSB
D225	A7150258	Diode, 1SS176

Location No.	Part No.	Description
D226	23316339	Diode, Zener, UZ15BSB
D228	A7150258	Diode, 1SS176
D229	A7150258	Diode, 1SS176
D230	A7150258	Diode, 1SS176
D231	A7150258	Diode, 1SS176
D260	23316311	Diode, Zener, UZ6.2BSA
D261	A7150258	Diode, 1SS176
D265	23316339	Diode, Zener, UZ15BSB
D271	A7150258	Diode, 1SS176
D287	A7150258	Diode, 1SS176
D288	A7150258	Diode, 1SS176
D290	A7150258	Diode, 1SS176
D291	23316301	Diode, Zener, UZ4.7BSA
D301	A7150258	Diode, 1SS176
D302	A7150258	Diode, 1SS176
D303	A7150258	Diode, 1SS176
D305	A7150258	Diode, 1SS176
D308	A7150258	Diode, 1SS176
D340	23115774	Diode, Zener, RD6.2E(4)
D340	A7150258	Diode, 1SS176
D341	A7150258	Diode, 1SS176
D342	23316327	Diode, Zener, UZ10BSB
D343	23316321	Diode, Zener, UZ8.2BSB
D344	A7150258	Diode, 1SS176
D360	23316291	Diode, Zener, UZ3.0BSB
D361	23316345	Diode, Zener, UZ18BSB
D362	23118314	Diode, EK04
D363	A7150258	Diode, 1SS176
D370	A7978850	Diode, S5295G
D401	23316333	Diode, Zener, UZ12BSB
D402	23316325	Diode, Zener, UZ9.1BSC
D403	23316284	Diode, Zener, UZ2.2BSA
D404	23316306	Diode, Zener, UZ5.1BSB
△D406	A7978850	Diode, S5295G
△D408	A7978850	Diode, S5295G
△D424	23115878	Diode, Zener, μ PC574J, (L)
D437	23316321	Diode, Zener, UZ8.2BSB
D458	A7150258	Diode, 1SS176
△D462	A7978850	Diode, S5295G
D471	A7568460	Diode, TVR-1B
△D473	A7150258	Diode, 1SS176
△D475	23115774	Diode, Zener, RD6.2E(4)
D476	A7150258	Diode, 1SS176
D480	A7150258	Diode, 1SS176
D481	A7150258	Diode, 1SS176
D486	23316302	Diode, Zener, UZ4.7BSB
D495	A7150258	Diode, 1SS176
D703	A7150258	Diode, 1SS176
D704	23115532	Diode, ERB12-01
D705	23316296	Diode, Zener, UZ3.9BSA
△D801	23316693	Diode, RBV-606
D802	A7568752	Diode, 1S1887A
D803	23316381	Diode, RU1P
D804	23316381	Diode, RU1P
D805	23316305	Diode, Zener, UZ5.1BSA
△D806	23316363	Diode, Zener, UZ30BSB
D807	23316327	Diode, Zener, UZ10BSB
D808	23118060	Diode, AL01Z
D809	23118060	Diode, AL01Z
D810	23118060	Diode, AL01Z
△D811	A7150258	Diode, 1SS176
△D812	23316184	Diode, FML-G12S
D813	23316306	Diode, Zener, UZ5.1BSB
D814	A7150258	Diode, 1SS176

Location No.	Part No.	Description
D815	23316323	Diode, Zener, UZ9.1BSA
D816	23316350	Diode, Zener, UZ22BSA
D817	A7150351	Diode, 1SS178
D818	A7150258	Diode, 1SS176
D819	A7150258	Diode, 1SS176
D820	23316184	Diode, FML-G12S
D821	23316184	Diode, FML-G12S
D822	23316351	Diode, Zener, UZ22BSB
D823	A7150351	Diode, 1SS178
D824	23316351	Diode, Zener, UZ22BSB
D825	A7150351	Diode, 1SS178
△D840	23115532	Diode, ERB12-01
△D841	23115532	Diode, ERB12-01
△D842	23115532	Diode, ERB12-01
△D843	23115532	Diode, ERB12-01
D844	A7150258	Diode, 1SS176
D845	A7150351	Diode, 1SS178
D846	23316306	Diode, Zener, UZ5.1BSB
D847	23115532	Diode, ERB12-01
D848	23316351	Diode, Zener, UZ22BSB
D849	23316327	Diode, Zener, UZ10BSB
D860	23316305	Diode, Zener, UZ5.1BSA
△D861	23316363	Diode, Zener, UZ30BSB
D862	A7801166	SCR, SF0R3G42-IG5
D863	A7568752	Diode, 1S1887A
D864	23118060	Diode, AL01Z
D865	23118060	Diode, AL01Z
D866	23118060	Diode, AL01Z
D867	23316327	Diode, Zener, UZ10BSB
D870	23316370	Diode, Zener, UZ36BSA
D878	23316370	Diode, Zener, UZ36BSA
D879	A7150351	Diode, 1SS178
△D883	23316406	Diode, FML-G16S
△D884	23316184	Diode, FML-G12S
△D885	23316406	Diode, FML-G16S
D888	23118339	Diode, Zener, R2M
D901	A7150258	Diode, 1SS176
D902	A7150258	Diode, 1SS176
D903	A7150258	Diode, 1SS176
D904	A7150258	Diode, 1SS176
D905	A7150258	Diode, 1SS176
D906	A7150258	Diode, 1SS176
D907	A7150258	Diode, 1SS176
D908	A7150258	Diode, 1SS176
D909	A7150258	Diode, 1SS176
D910	A7150258	Diode, 1SS176
D911	A7150258	Diode, 1SS176
D912	A7150258	Diode, 1SS176
D913	A7150258	Diode, 1SS176
D914	A7150258	Diode, 1SS176
D917	A7150258	Diode, 1SS176
D918	A7150258	Diode, 1SS176
DA07	23316327	Diode, Zener, UZ10BSB
DA10	23316308	Diode, Zener, UZ5.6BSA
DA18	23316311	Diode, Zener, UZ6.2BSA
DA22	23316311	Diode, Zener, UZ6.2BSA
DA25	A7150258	Diode, 1SS176
DA26	A7150258	Diode, 1SS176
DA31	23316311	Diode, Zener, UZ6.2BSA
DA32	23316311	Diode, Zener, UZ6.2BSA
DA33	A7150258	Diode, 1SS176
DA42	23316311	Diode, Zener, UZ6.2BSA
DA43	A7150258	Diode, 1SS176
DA44	A7150258	Diode, 1SS176

Location No.	Part No.	Description
DA45	A7150258	Diode, 1SS176
DA46	A7150258	Diode, 1SS176
DA71	23316312	Diode, Zener, UZ6.2BSB
DA73	23316311	Diode, Zener, UZ6.2BSA
DB40	A7150258	Diode, 1SS176
DB70	23316312	Diode, Zener, UZ6.2BSB
DB71	23316312	Diode, Zener, UZ6.2BSB
DB72	A7150258	Diode, 1SS176
DB73	A7150258	Diode, 1SS176
DB74	A7150258	Diode, 1SS176
DB75	23316311	Diode, Zener, UZ6.2BSA
DB76	23316311	Diode, Zener, UZ6.2BSA
DC70	23118450	Diode, RM4
DC71	23118450	Diode, RM4
DC72	23118450	Diode, RM4
DC73	23118450	Diode, RM4
DE50	23358501	Diode (LED), SCL003URC5F, Red
DG01	A7150258	Diode, 1SS176
DG02	A7150258	Diode, 1SS176
DG03	A7150258	Diode, 1SS176
DH01	A7150258	Diode, 1SS176
DH02	A7150258	Diode, 1SS176
DH03	A7150258	Diode, 1SS176
DH04	A7568475	Diode, TVR-2D
DH05	A7568475	Diode, TVR-2D
DH41	A7150258	Diode, 1SS176
DH42	A7150258	Diode, 1SS176
DH43	A7150258	Diode, 1SS176
DH44	A7568475	Diode, TVR-2D
DH45	A7568475	Diode, TVR-2D
DJ02	A7150258	Diode, 1SS176
DJ03	A7150258	Diode, 1SS176
DJ04	A7150258	Diode, 1SS176
DJ05	A7150258	Diode, 1SS176
DJ06	A7150258	Diode, 1SS176
DJ07	A7150258	Diode, 1SS176
DJ08	A7150258	Diode, 1SS176
DJ09	A7150258	Diode, 1SS176
DJ10	A7150258	Diode, 1SS176
DJ11	A7150258	Diode, 1SS176
DJ14	A7150258	Diode, 1SS176
DJ15	A7150258	Diode, 1SS176
DJ16	A7150258	Diode, 1SS176
DJ17	A7150258	Diode, 1SS176
DJ18	23115532	Diode, ERB12-01
DJ19	23115532	Diode, ERB12-01
DJ20	23115532	Diode, ERB12-01
DJ21	23115532	Diode, ERB12-01
DN01	23316334	Diode, Zener, UZ12BSC
DN02	23316334	Diode, Zener, UZ12BSC
DN03	A7150258	Diode, 1SS176
DN04	A7150258	Diode, 1SS176
DP01	A7150675	Diode, 1SS184-CN(TR)
DP02	A7150675	Diode, 1SS184-CN(TR)
DP03	A7150675	Diode, 1SS184-CN(TR)
DV01	23316327	Diode, Zener, UZ10BSB
DV02	23316327	Diode, Zener, UZ10BSB
DV03	23316327	Diode, Zener, UZ10BSB
DV04	23316327	Diode, Zener, UZ10BSB
DV07	23316327	Diode, Zener, UZ10BSB
DV08	23316327	Diode, Zener, UZ10BSB
DV09	23316327	Diode, Zener, UZ10BSB
DV10	A7150258	Diode, 1SS176

Location No.	Part No.	Description
DV11	A7150258	Diode, 1SS176
DV12	A7150258	Diode, 1SS176
DV13	A7150258	Diode, 1SS176
DV19	23316312	Diode, Zener, UZ6.2BSB
DV20	23316312	Diode, Zener, UZ6.2BSB
DV24	A7568752	Diode, 1S1887A
DV25	A7568752	Diode, 1S1887A
DX700	A7150950	Diode, 1SS190
DX701	A7150950	Diode, 1SS190
DY20	A7152750	Diode, 1SS226
DY33	A7151100	Diode, 1SS193
DZ01	A7150969	Diode, 1SS190-CN
DZ02	A7150969	Diode, 1SS190-CN
DZ03	A7150969	Diode, 1SS190-CN
DZ04	23118300	Diode, Zener, RD8.2MB1
DZ05	A7150969	Diode, 1SS190-CN
MISCELLANEOUS		
B308	23476224	Bracket, Trans Stand
B310	23470142	Chassis Frame, AMP
BB03	23902750	Connector, 7P
BB04	23902751	Connector, 8P
BB05	23902751	Connector, 8P
BB13	23368518	Connector, 7P
BB14	23368519	Connector, 8P
BB15	23368519	Connector, 8P
BP01	23464071	Shield Case
BP02	23464072	Shield Cover
BX01	23464069	Shield Case
BX02	23464070	Shield Cover
△F801	23144481	Fuse, 7.0A
F801A	23165433	Holder, Fuse
△F802	23144893	Fuse, 3.15A
F802A	23165433	Holder, Fuse
△F803	23144893	Fuse, 3.15A
F803A	23165433	Holder, Fuse
△F804	23144893	Fuse, 3.15A
F804A	23165433	Holder, Fuse
△F806	23144893	Fuse, 3.15A
F806A	23165433	Holder, Fuse
△F807	23144893	Fuse, 3.15A
F807A	23165433	Holder, Fuse
△F808	23144893	Fuse, 3.15A
F808A	23165433	Holder, Fuse
△F809	23144893	Fuse, 3.15A
F809A	23165433	Holder, Fuse
△F883	23144888	Fuse, 5.0A
F883A	23165433	Holder, Fuse
△F884	23144854	Fuse, 1.6A
F884A	23165433	Holder, Fuse
△FC70	23144888	Fuse, 5.0A
FC70A	23165433	Holder, Fuse
H002	23148170	Module, US PIF/SIF/MTS, MVUS31A
H003	23344342	RF Switch, RSU132X2
H003A	23740989	Nut
HY02	23148959	Module, US PIF/SIF, VNTS11U-01
K910	23120219	Remote Sensor, IR-9106A-K
P003	23161571	Terminal, 4P
P004	23161571	Terminal, 4P
P411	23164722	Plug, 5P
P414	23164725	Plug, 2P
P502B	23367724	Connector, 15P

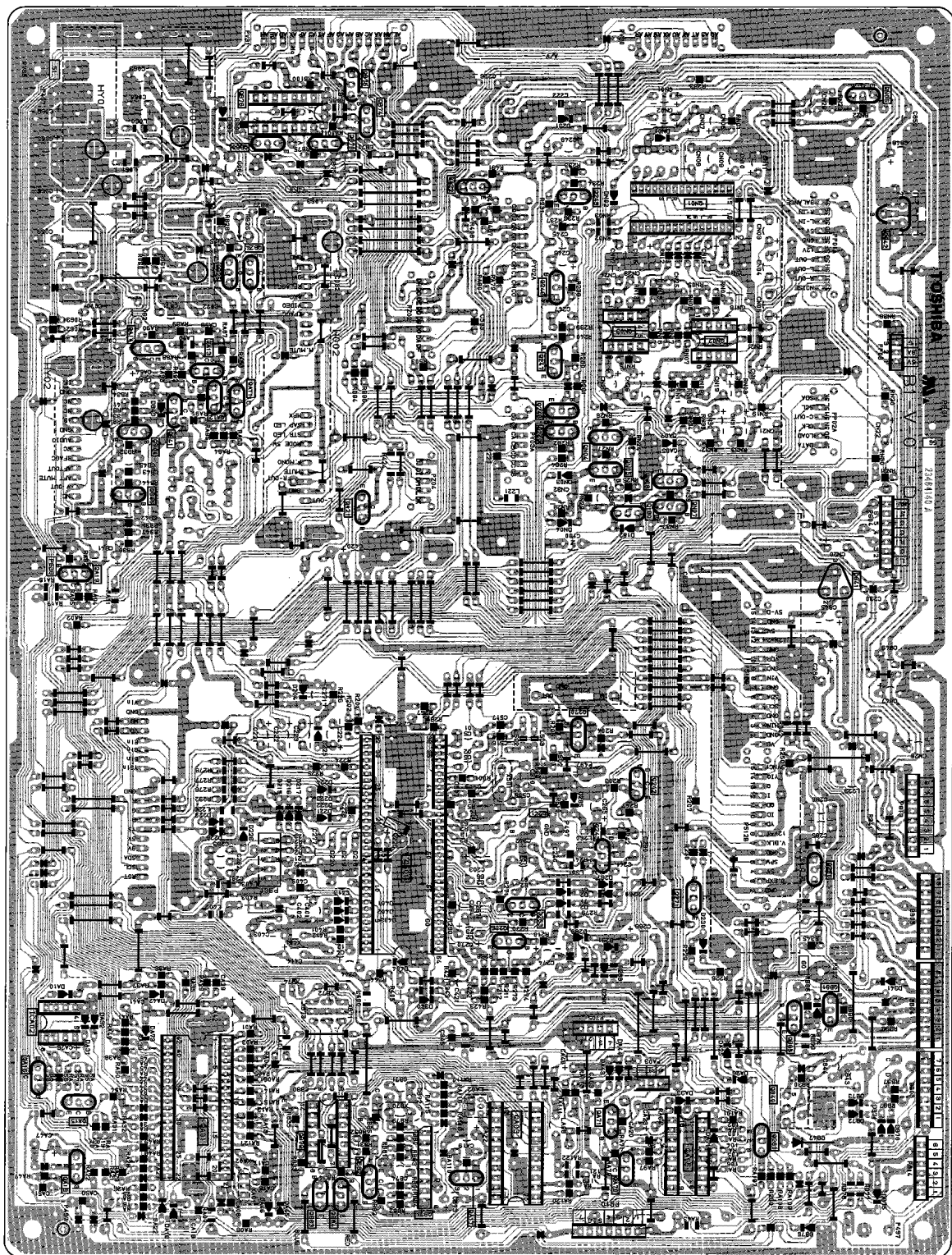
Location No.	Part No.	Description
P503B	23367724	Connector, 15P
P512B	23902655	Socket, 15P
P513B	23902655	Socket, 15P
P610	23368032	Plug, 9P
P620	23368225	Plug, 9P
P702	23164787	Plug, 7P
△P801	23176588	Power Cord
P811	23164722	Plug, 5P
PC01	23164965	Plug, 4P
PM01	23367681	Plug, 8P
PP01	23368130	Connector, 10P
PP01A	23902213	Connector, 10P
PP02	23368005	Connector, 6P
PP02A	23902063	Connector, 6P
PS10	23365711	Jack, 1S6P
PS11	23365711	Jack, 1S6P
PS20	23365711	Jack, 1S6P
PS21	23365711	Jack, 1S6P
PS50	23365712	Jack, 5P
PS51	23365712	Jack, 5P
PS62	23365712	Jack, 5P
PS63	23365712	Jack, 5P
PV10	23365711	Jack, 1S6P
PV11	23365711	Jack, 1S6P
PV21	23365711	Jack, 1S6P
PV30	23902649	Connector, 9P
PV31	23902655	Socket, 15P
PV32	23367721	Connector, 9P
PV33	23367724	Connector, 15P
PV40	23365374	Jack, 1S3P
PV51	23365712	Jack, 5P
PV63	23164560	Plug, 6P
PY02	23368130	Connector, 10P
PY02A	23902213	Connector, 10P
PY03	23368511	Connector, 7P
PY03A	23902852	Connector, 7P
PZ01	23368006	Connector, 8P
PZ02	23902064	Connector, 8P
PZ04	23902062	Connector, 5P
S601	23344367	Switch, Slide, 6C2P
SA01	23145226	Switch, Push, 1C1P
SA02	23145227	Switch, Push, 1C1P
SA05	23145227	Switch, Push, 1C1P
SA06	23145227	Switch, Push, 1C1P
SA07	23145227	Switch, Push, 1C1P
SA08	23145227	Switch, Push, 1C1P
SA09	23145227	Switch, Push, 1C1P
SA10	23145227	Switch, Push, 1C1P
SJ01	23145579	Switch, Push, 2C2P
SJ010	23145579	Switch, Push, 2C2P
SJ02	23344333	Switch, Lever, 1C3P
△SR81	23146933	Relay, 1A
△V901A	23902019	Socket, CRT, 10P
△V902A	23902019	Socket, CRT, 10P
△V903A	23902019	Socket, CRT, 10P
W661	23151232	Speaker, SPK-1235, 160x160mm, 8 ohm
W662	23151232	Speaker, SPK-1235, 160x160mm, 8 ohm
X201	23250128	Delay Line, TRF2125TA
X401	23153721	Ceramic Resonator, 503kHz, TCR1023
X501	23153961	Crystal, 3.58MHz

Location No.	Part No.	Description
XA01	23153325	Ceramic Resonator, TCR1056
XA02	23153860	Crystal, 32.768kHz
XB70	23153961	Crystal, 3.58MHz
XB71	23107712	Filter, TEM1012T
XB72	23107712	Filter, TEM1012T
XB73	23107712	Filter, TEM1012T
XB74	23107712	Filter, TEM1012T
XM01	23153325	Ceramic Resonator, TCR1056
XP01	23153354	Ceramic Resonator, 8.38MHz, TCR1058
XY01	23153886	Ceramic Resonator, 503kHz, TCR1012
XY02	23153961	Crystal, 3.58MHz
XZ01	23153899	Crystal, 14.31818MHz
△Z410	23110834	Focus Pack, TPA6026
ZM03	23153721	Ceramic Resonator, 503kHz, TCR1023
ZP01	23303108	Filter, 12kHz, TLC1203T
ZP02	23303108	Filter, 12kHz, TLC1203T
ZX700	23103800	Filter, TEM2026D
ZX702	23103800	Filter, TEM2026D
ZX704	23103800	Filter, TEM2026D
ZX706	23103800	Filter, TEM2026D
ZY01	23107742	Filter, TEM1014
ZY04	23107664	Filter, TEM1007T
ZY05	23232016	Coil, Variable, TRF3531D
ZY06	23232016	Coil, Variable, TRF3531D
ZY07	23107664	Filter, TEM1007T
ZY08	23107664	Filter, TEM1007T
ZY09	23107664	Filter, TEM1007T
ZZ01	23107664	Filter, TEM1007T
ZZ02	23107664	Filter, TEM1007T
ZZ03	23107714	Filter, TEM1014T
ZZ04	23107666	Filter, TEM1009T
ZZ07	23107714	Filter, TEM1014T
ZZ08	23107664	Filter, TEM1007T
ZZ09	23107664	Filter, TEM1007T
ZZ10	23107664	Filter, TEM1007T
ZZ11	23103800	Filter, TEM2026D
ZZ12	23103800	Filter, TEM2026D
PC BOARD ASSEMBLIES		
U401	23702652	Def/HV Board, PB4365
U801	23702653	Power Board, PB4366
U901	23702651	Main Board, PB4364
UJ01	23702654	Conv-Control Board, PB4368
UM01	23702668	Closed Caption (Wide) Board, PB4374
UP01	23702666	Prolog Board, PB4372
UY01	23702667	PIP Board, PB4373
M011Z	23702664	3D-Y/C Board, PB4371-1
M012Z	23702665	Wide Aspect Board, PB4371-2
M021Z	23702655	Conv-Out Board, PB4369-1
M022Z	23702656	AMP Board, PB4369-2
M041Z	23702657	CRT Drive (Red) Board, PB4370-1
M042Z	23702658	CRT Drive (Green) Board, PB4370-2
M043Z	23702659	CRT Drive (Blue) Board, PB4370-3
M044Z	23702660	A/V Board, PB4370-4
M045Z	23702661	Front Control Board, PB4370-5
M046Z	23702662	Front LED Board, PB4370-6

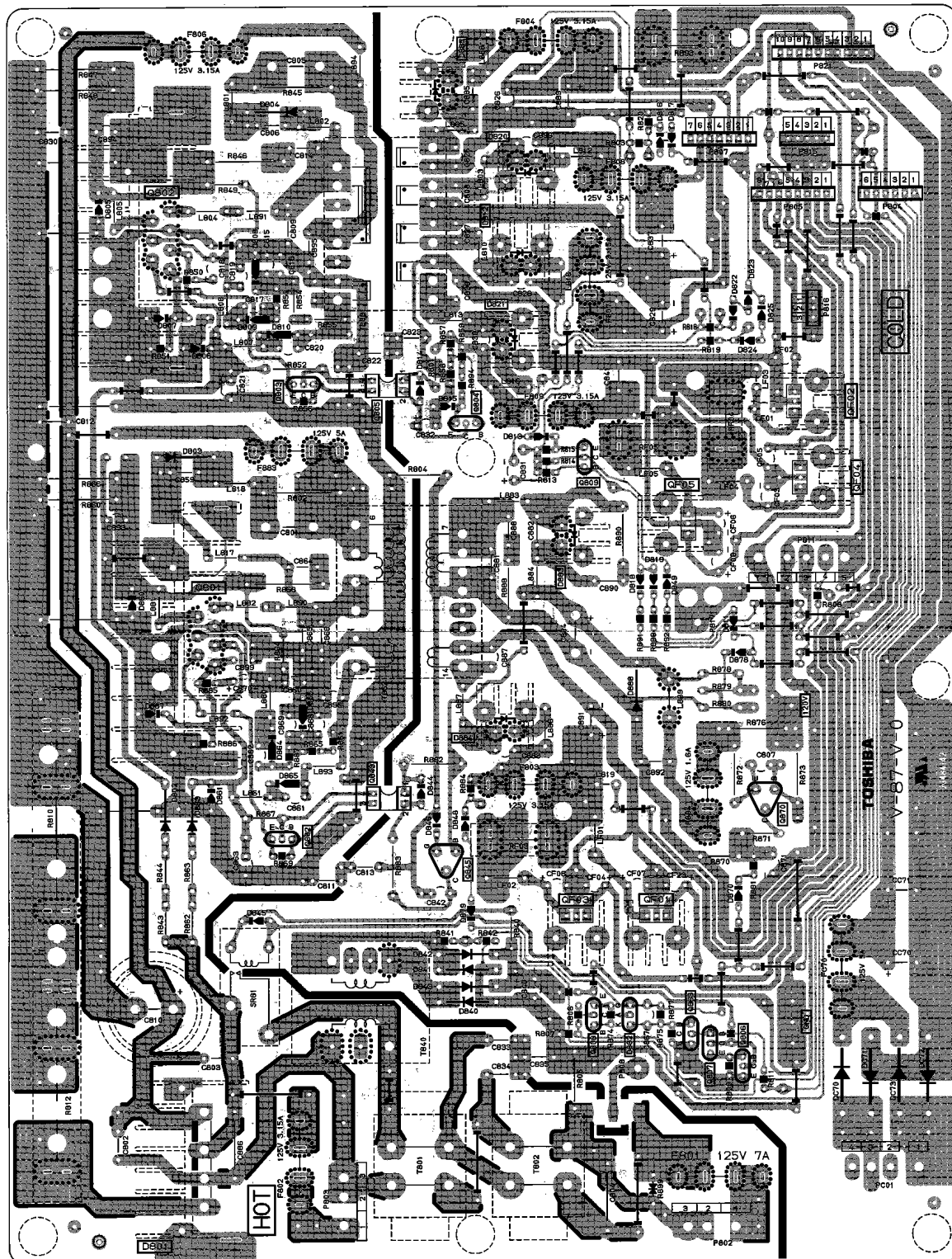
Location No.	Part No.	Description
M047Z	23702663	Front VR Board, PB4370-7
PICTURE TUBE		
△ V901R	23792104	Projection Tube Assembly (R), 56
E901	23468119	Coupling Proper, R
E935	23712408	Screw, PP4X.7X8SZN
△ V902G	23791383	Projection Tube Assembly (G), 48
E943	23712408	Screw, PP4X.7X8SZN
△ V903B	23792106	Projection Tube Assembly (B), 56
E920	23468120	Coupling Proper, B
E956	23712408	Screw, PP4X.7X8SZN
TUNER		
△ H001	23321105	Tuner, VHF/UHF, EL859L
△ HY01	23321105	Tuner, VHF/UHF, EL859L
ACCESSORIES		
K912	23120415	Remote Hand Unit, CT-9721
K913	23120263	Remote Hand Unit, CT-9671
AT03	23305282	Battery Cover
Y101	23562090	Owner's Manual, French, TW56D90
Y101	23562026	Owner's Manual, English, TW56D90
Y101A	23561934	Owner's Manual, English/French for Remote Control
Y106	23994678	TESC Sheet
Y107	23293951	Adaptor, Antenna Matching, AD903F

Location No.	Part No.	Description

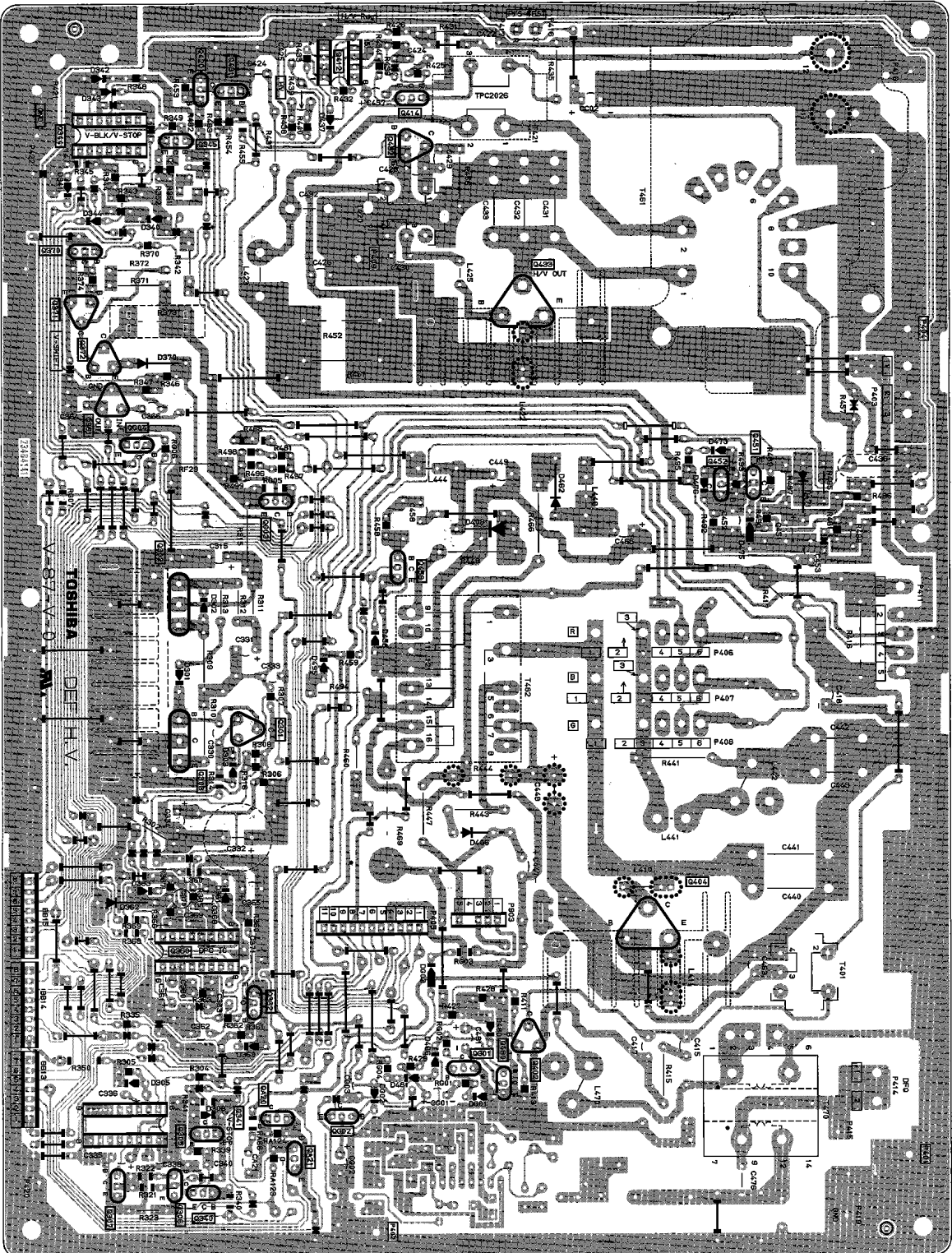
MAIN BOARD PB4364
BOTTOM (FOIL) SIDE



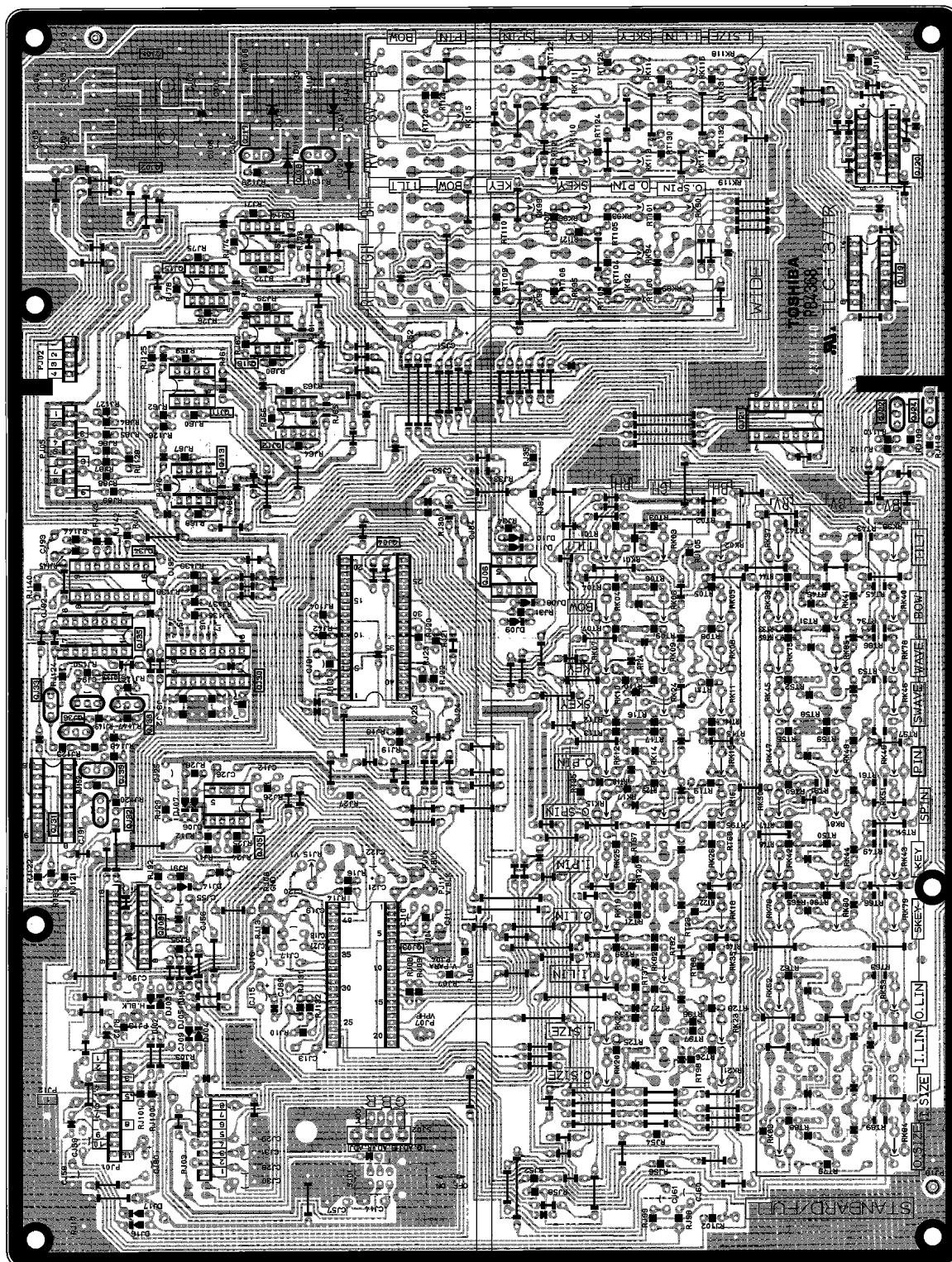
POWER BOARD PB4366
BOTTOM (FOIL) SIDE



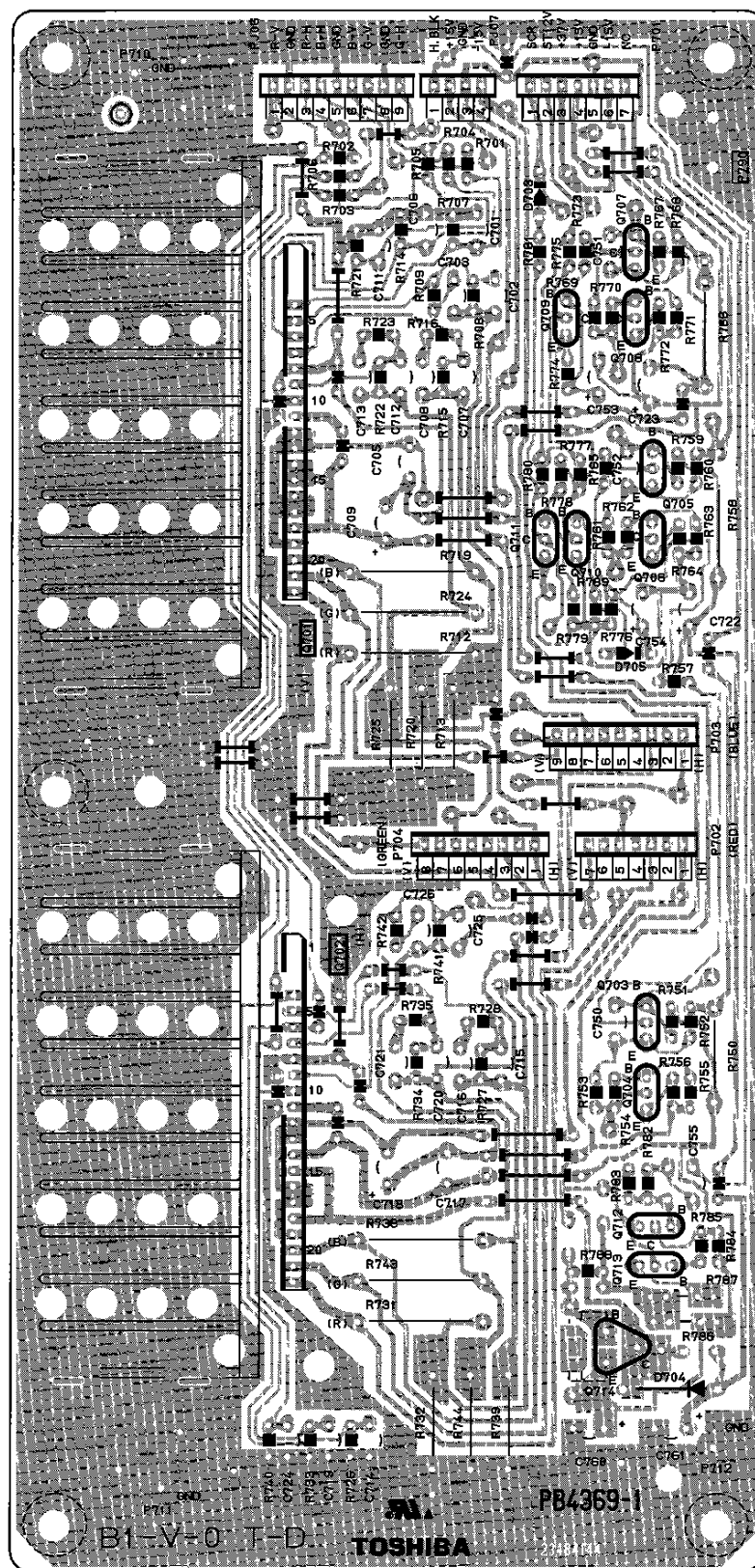
DEF/HV BOARD PB4365
BOTTOM (FOIL) SIDE



CONVER CONTROL BOARD PB4368
BOTTOM (FOIL) SIDE

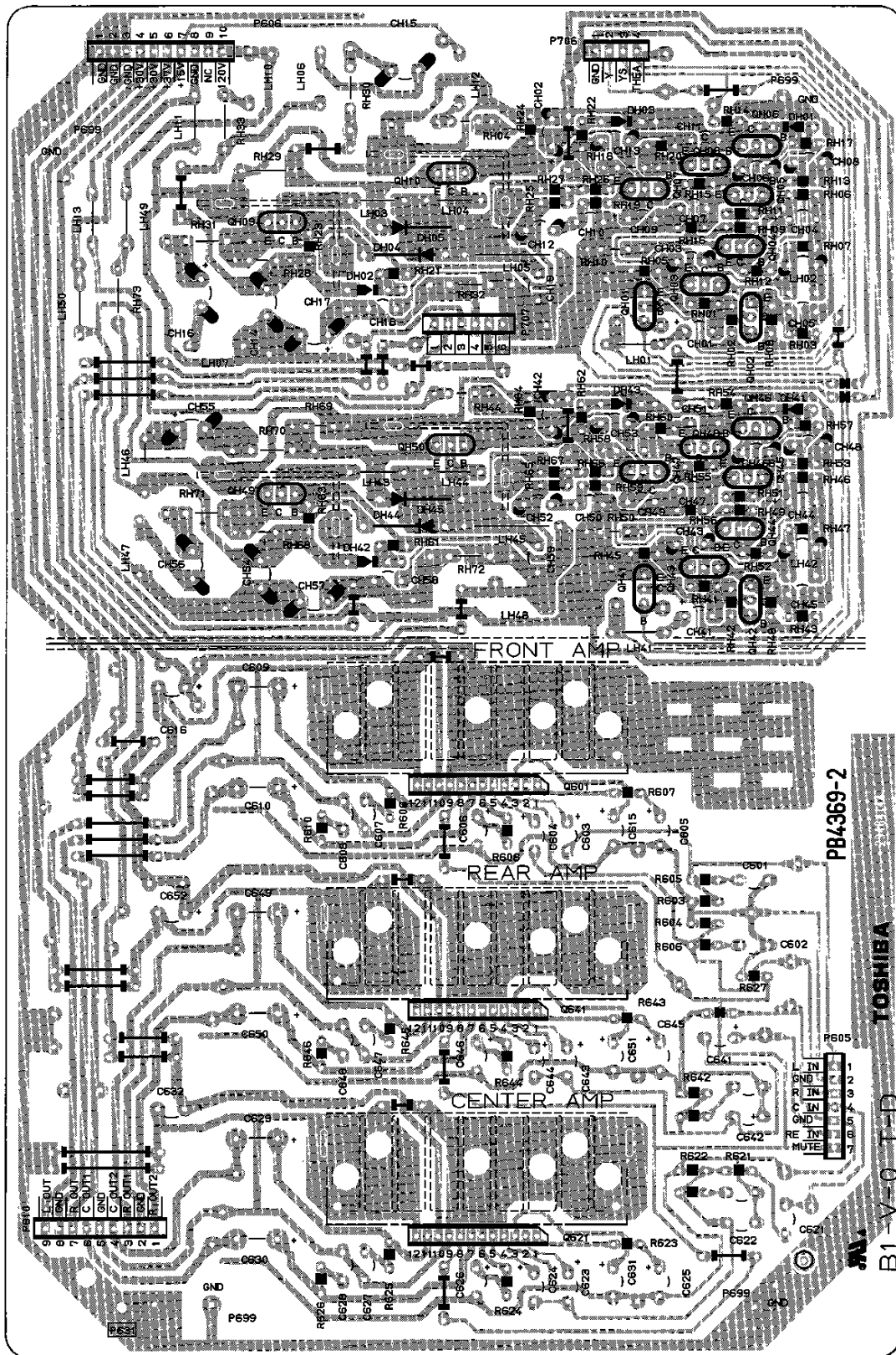


BOTTOM (FOIL) SIDE



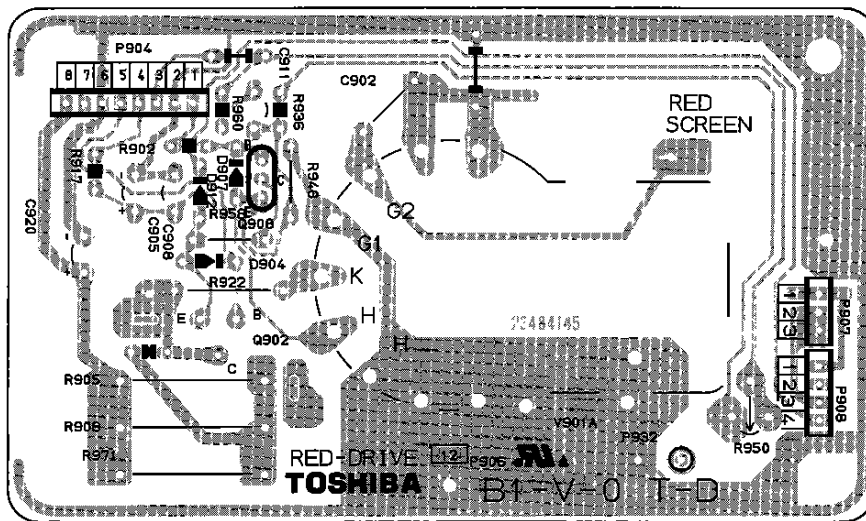
AMP BOARD PB4369-2

BOTTOM (FOIL) SIDE



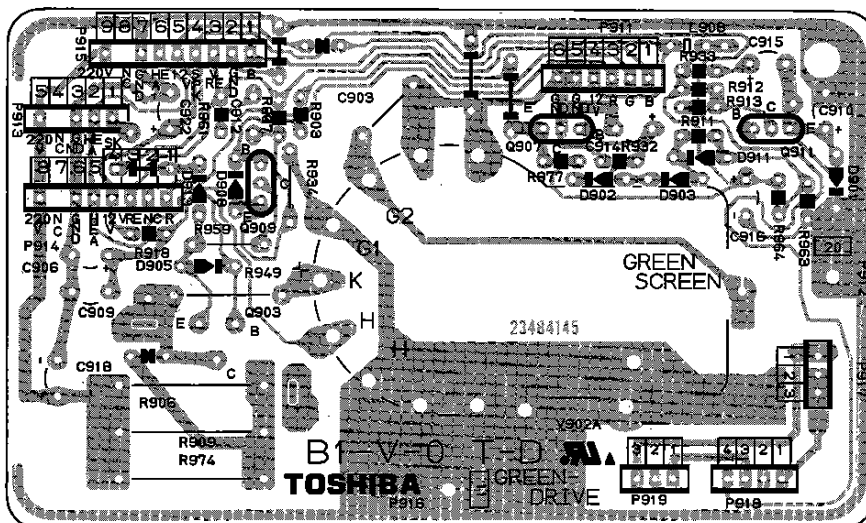
RED DRIVE BOARD PB4370-1

BOTTOM (FOIL) SIDE



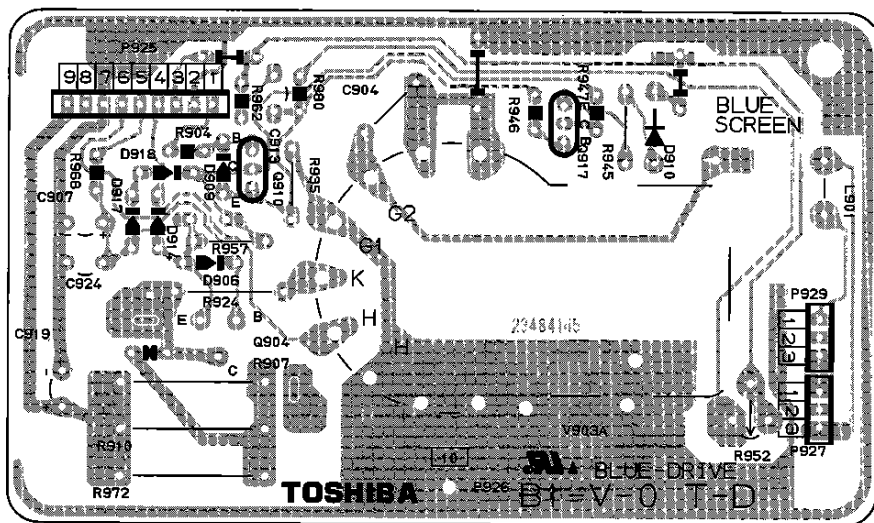
GREEN DRIVE BOARD PB4370-2

BOTTOM (FOIL) SIDE



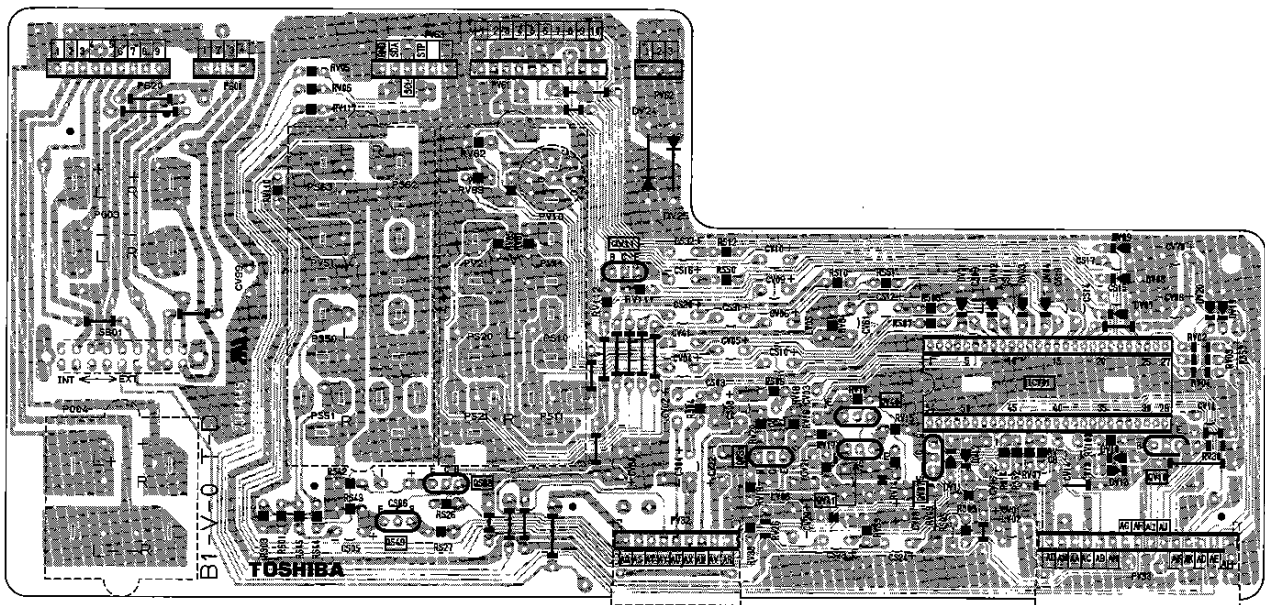
BLUE DRIVE BOARD PB4370-3

BOTTOM (FOIL) SIDE



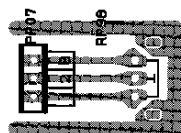
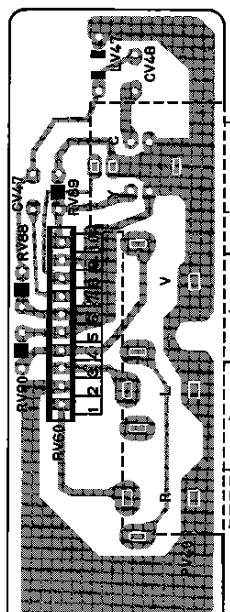
A/V BOARD PB4370-4

BOTTOM (FOIL) SIDE

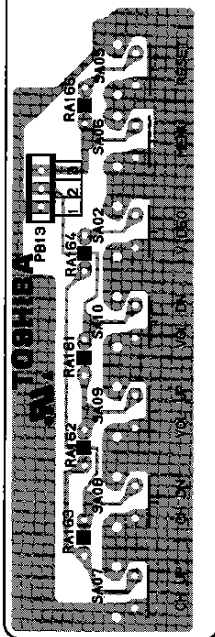


FRONT CONT. BOARD PB4370-5

BOTTOM (FOIL) SIDE

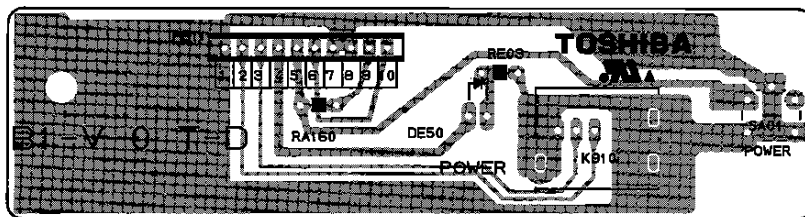


B1-V-0 T-D



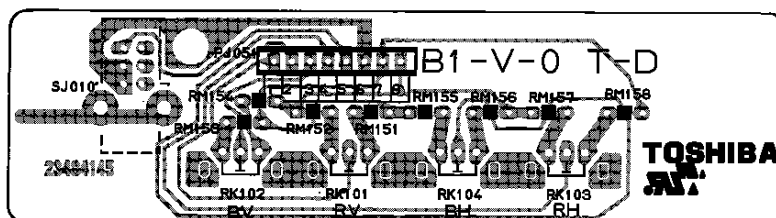
FRONT LED BOARD PB4370-6

BOTTOM (FOIL) SIDE



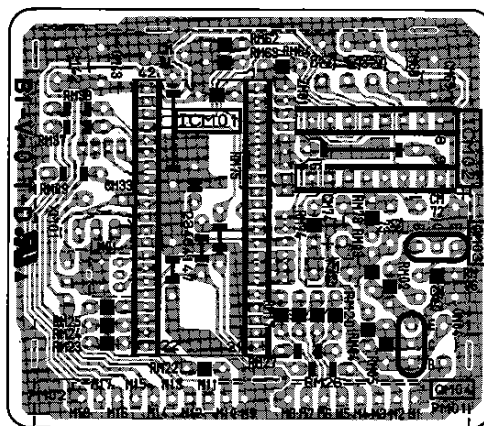
FRONT VR BOARD PB4370-7

BOTTOM (FOIL) SIDE



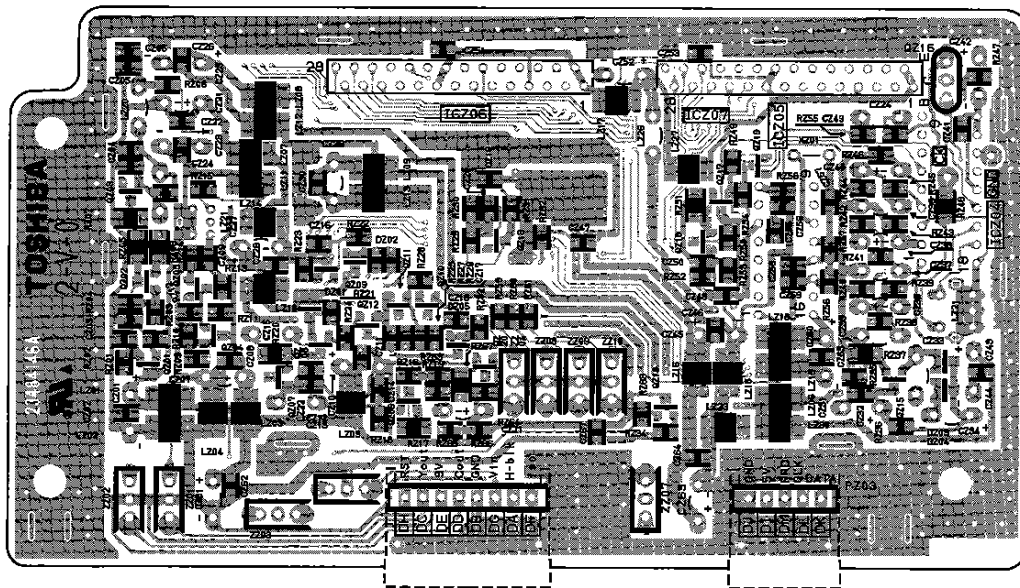
CLOSED CAPTION BOARD PB4374

BOTTOM (FOIL) SIDE



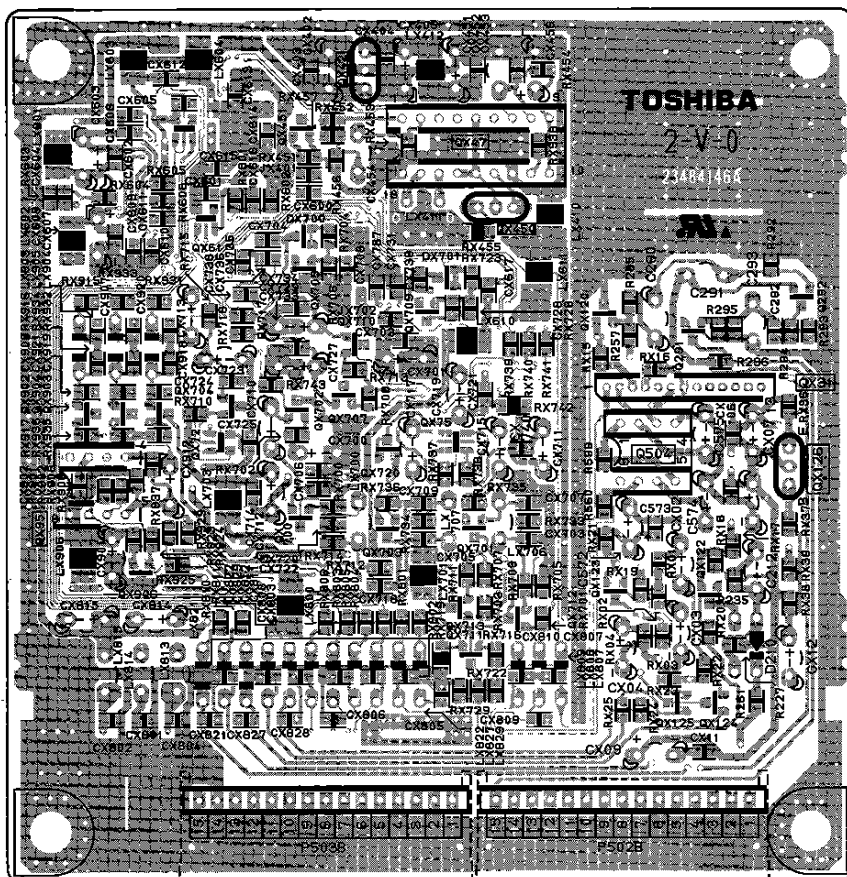
3-D. Y/C SEPARATOR BOARD PB4371-1

BOTTOM (FOIL) SIDE



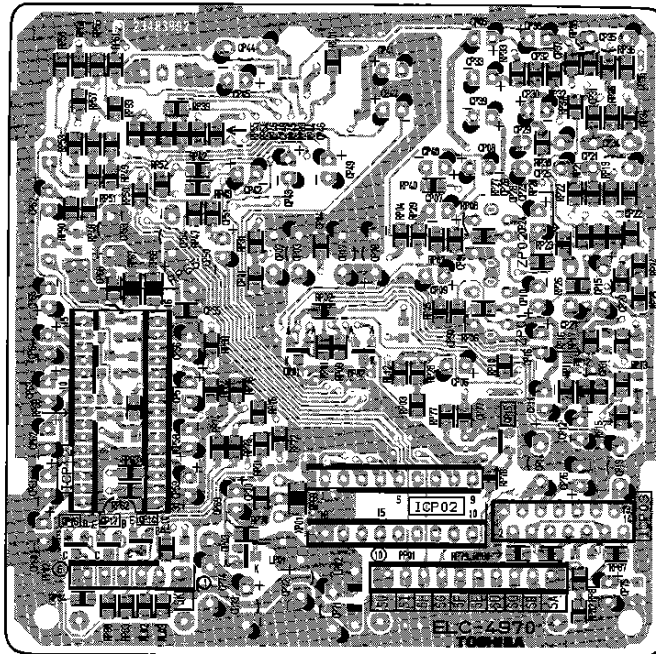
WIDE ASPECT BOARD PB4371-2

BOTTOM (FOIL) SIDE



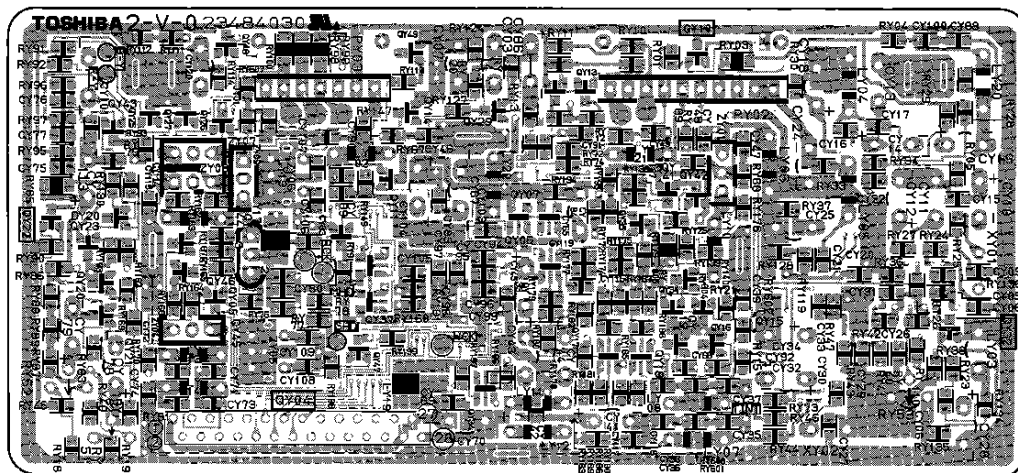
PRO-LOGIC BOARD PB4372

BOTTOM (FOIL) SIDE



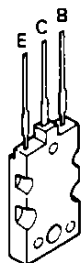
PIP BOARD PB4373

BOTTOM (FOIL) SIDE

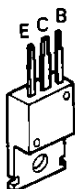


TERMINAL VIEW OF TRANSISTORS

① 2SD1427



② 28B595
2SB834
2SD1052A
2SC1569
2SC2383
2SC2553
2SD525
2SD880



③ 2SA949
2SA1020
2SC752GTM
2SC2230A
2SC2229
2SC2482
2SC2655



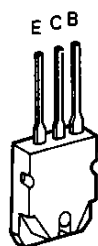
④ 2SA562TM
2SA1015
2SA817
2SC1815
2SC1959
2SC2878
2SC388ATM



⑤ 2SA1026



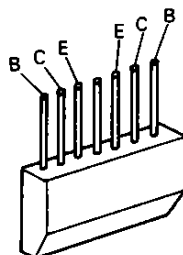
⑥ 2SD1092
2SD1294



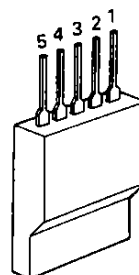
⑦ RN1001
RN1003
RN1004
RN2005
RN1201
RN1202
RN1203
RN1204



⑧ 2SA1349
2SC3381



⑨ D1005T



IC BLOCK DIAGRAM

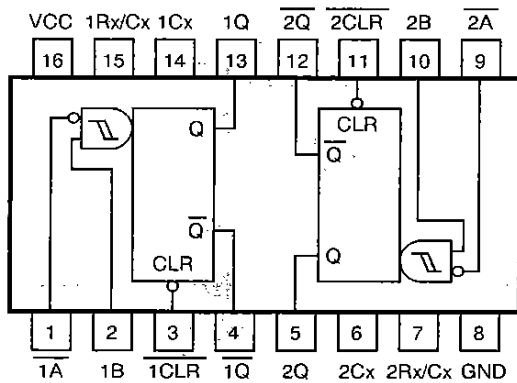
IC305
ICJ08 μ PD74HC123AC

IC412 TA75458P

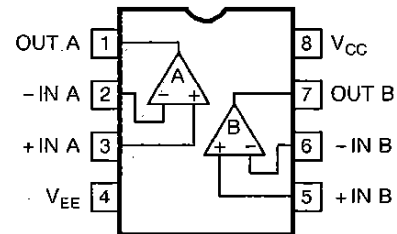
FUNCTION TABLE

INPUTS			OUTPUTS	
CLR	A	B	Q	\bar{Q}
L	X	X	L	H
H	H	X	L	H
H	X	L	L	H
H	L	H	H	L
H	L	L	H	L

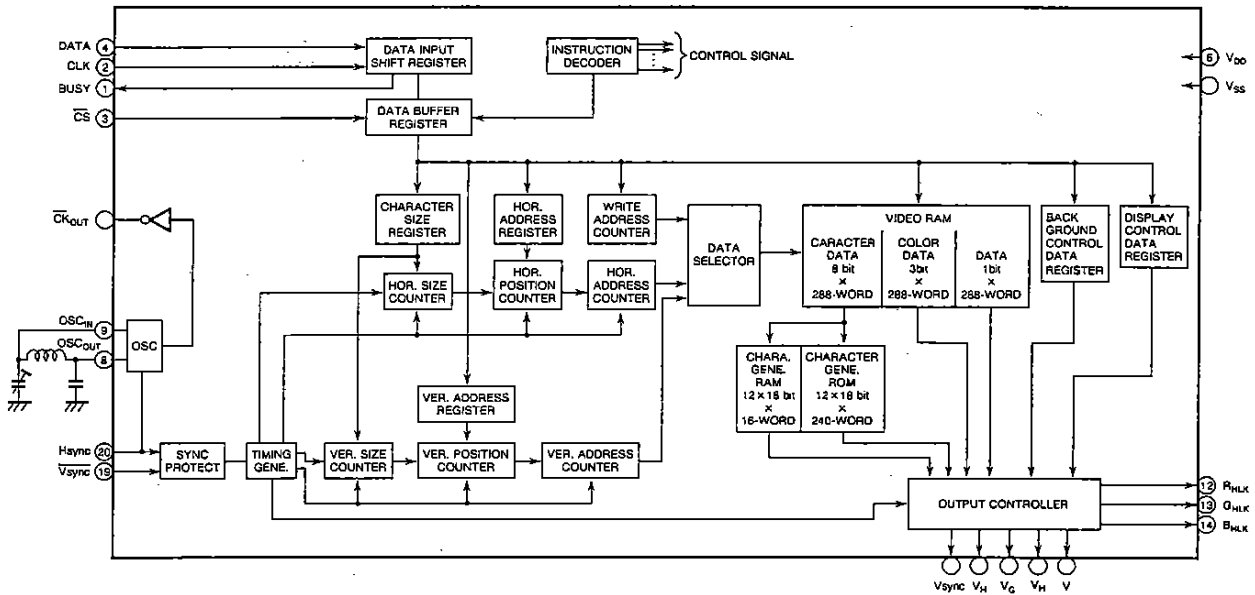
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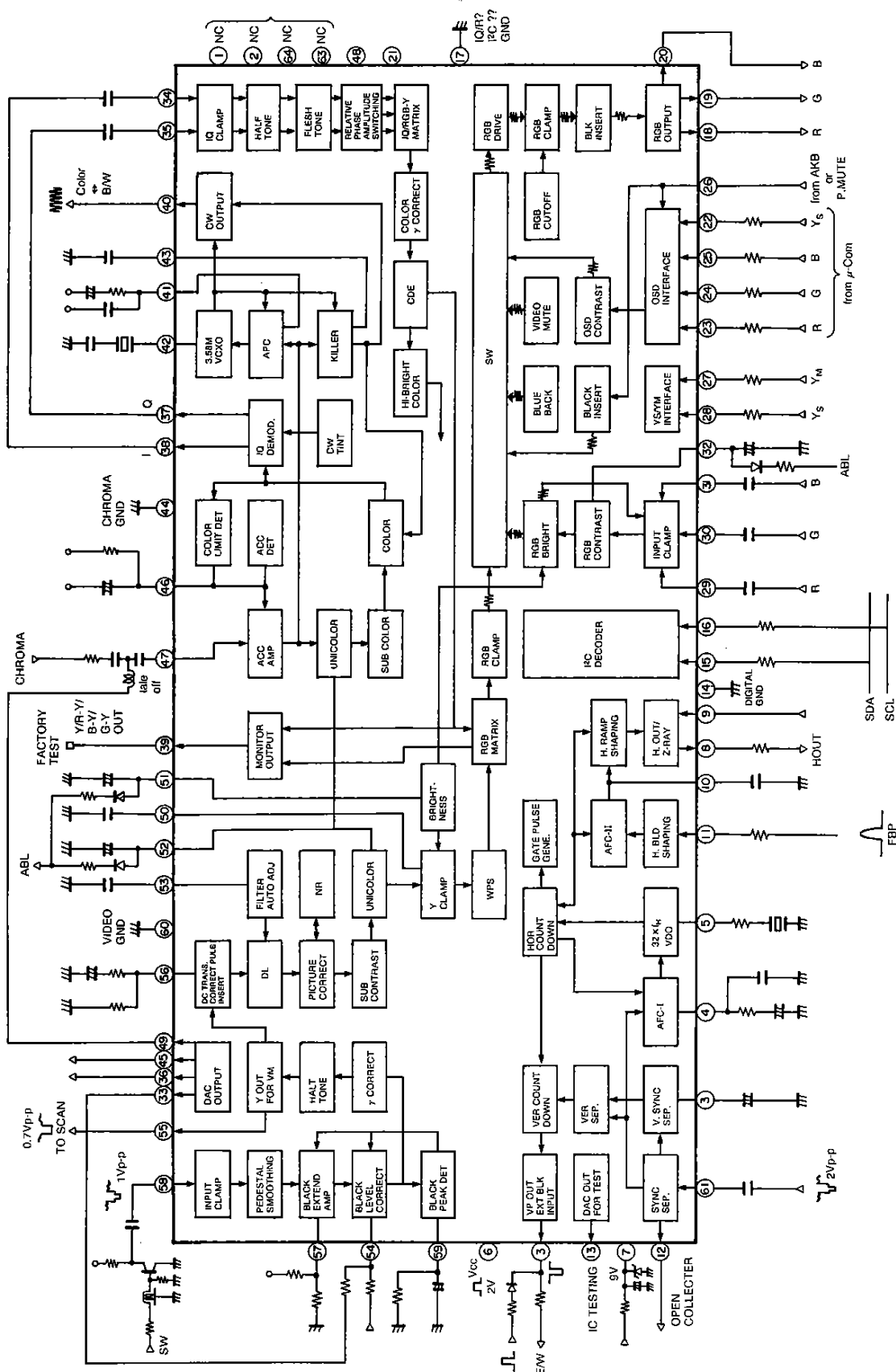
DIP-8



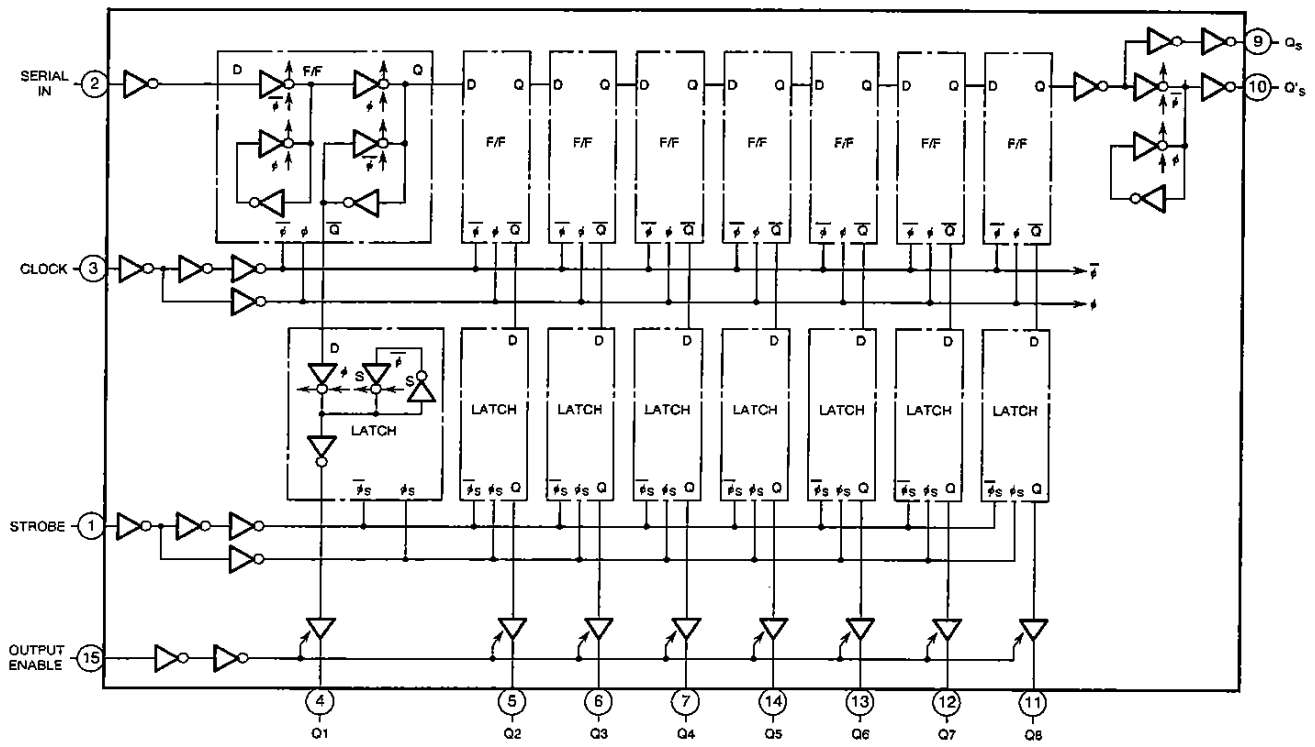
ICA03 μ PD6453CY

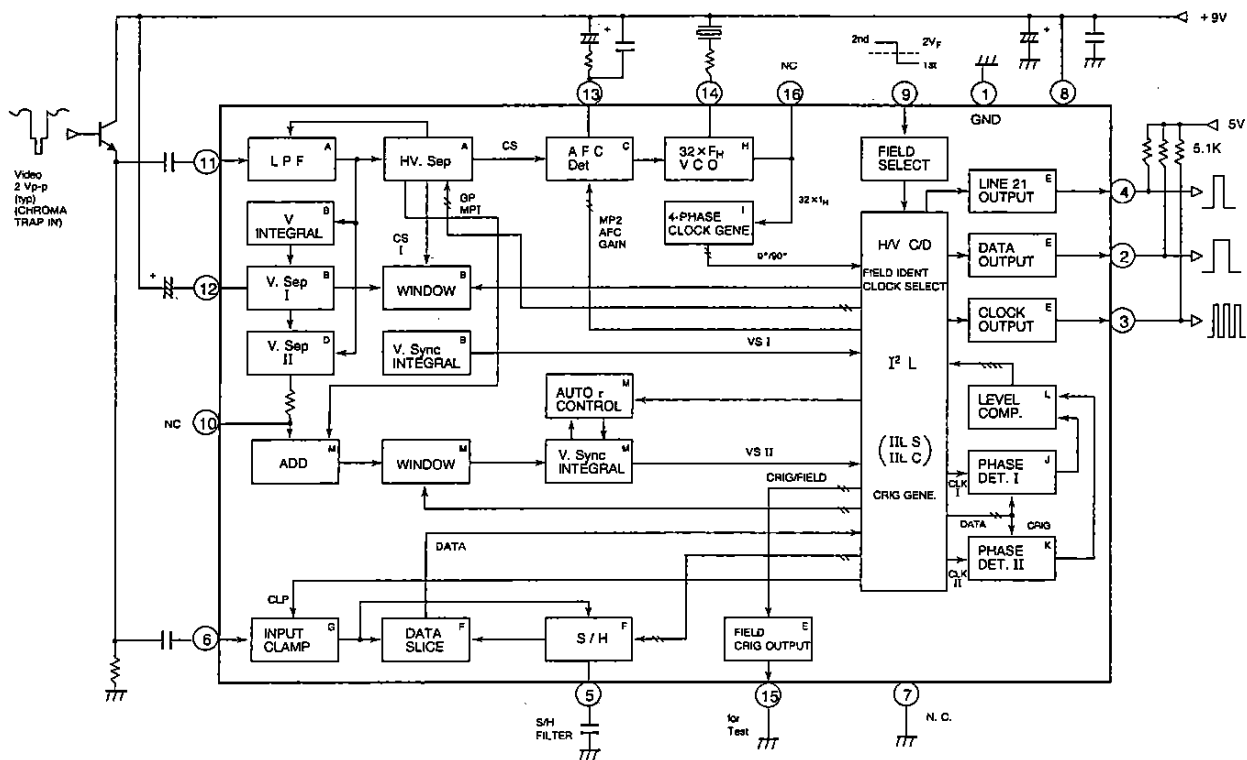


IC501 TA8845N

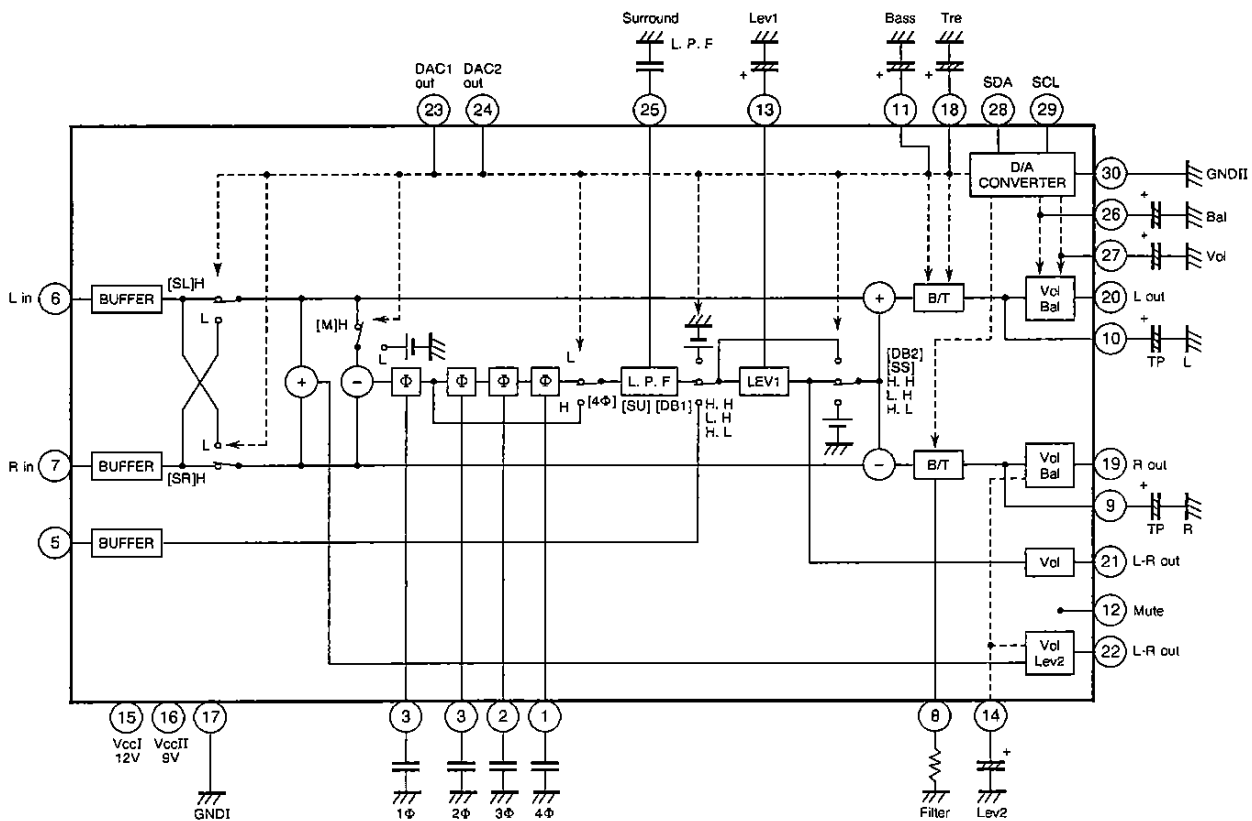


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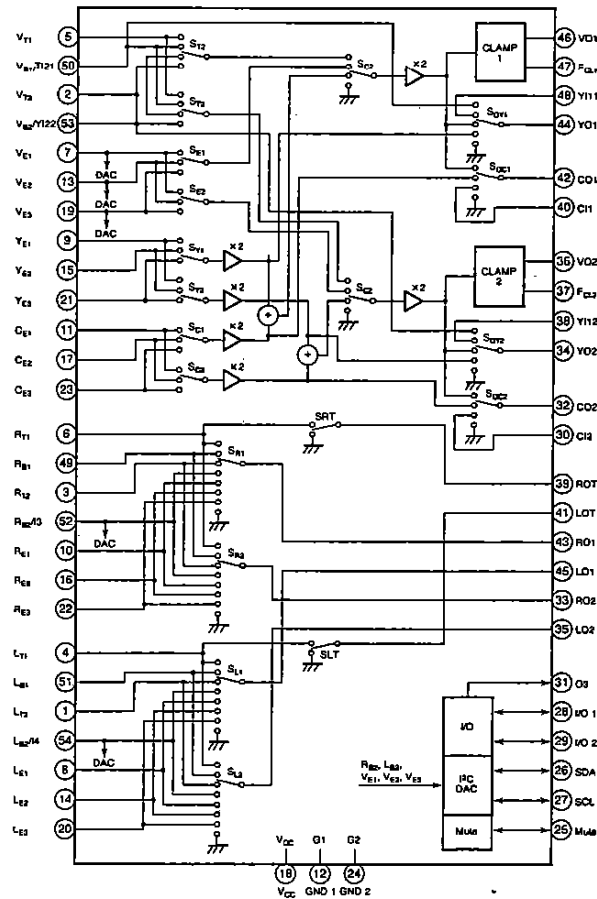


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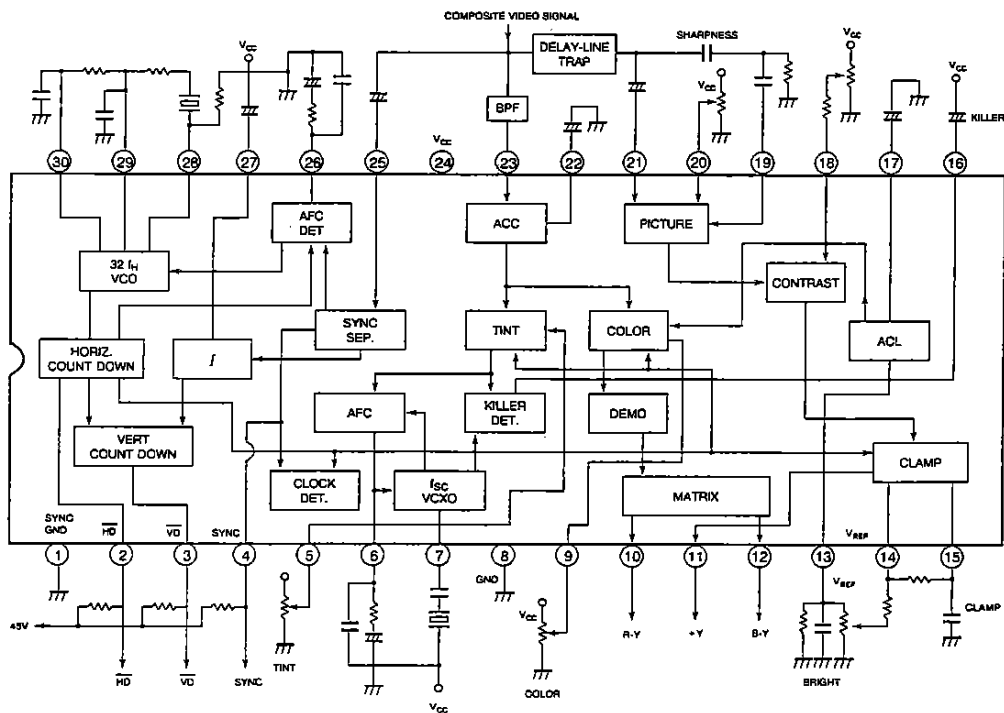
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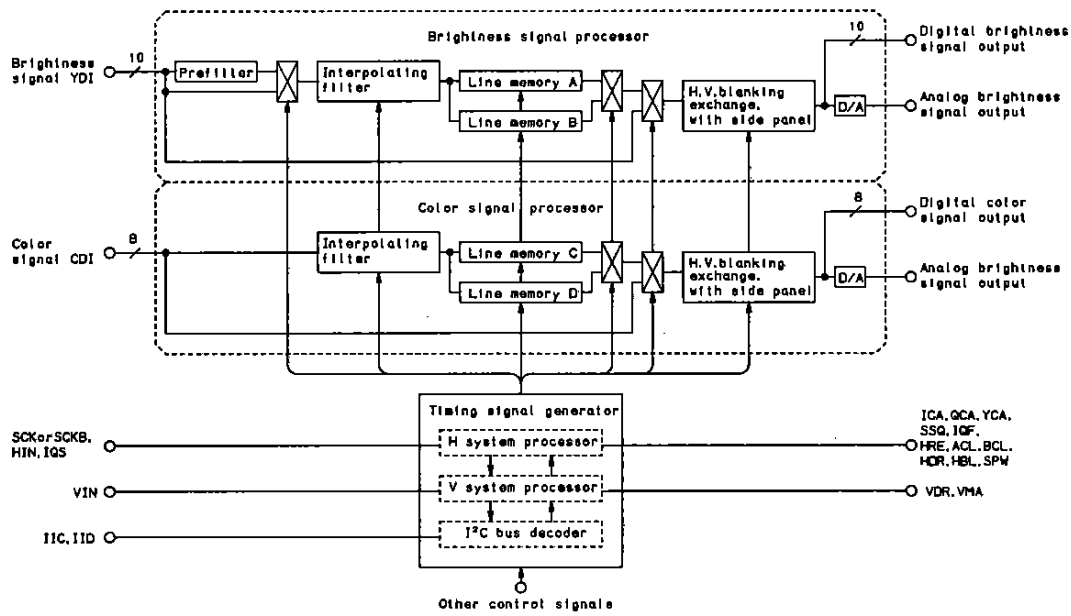
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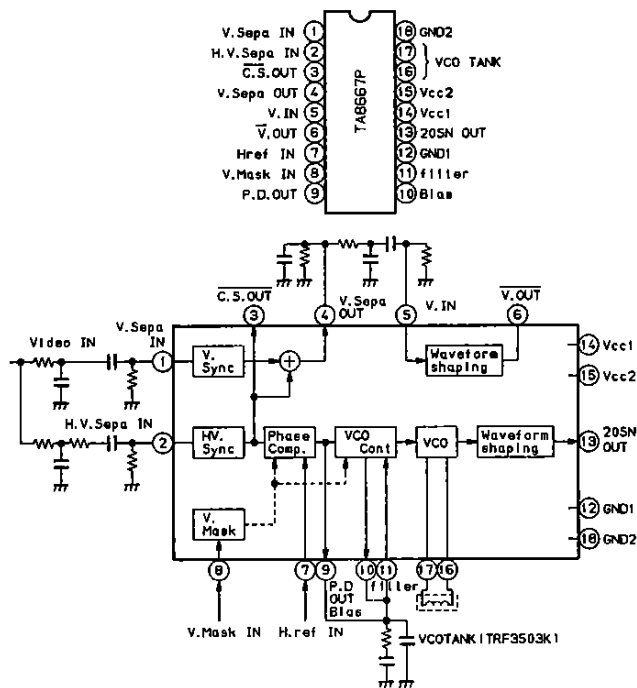
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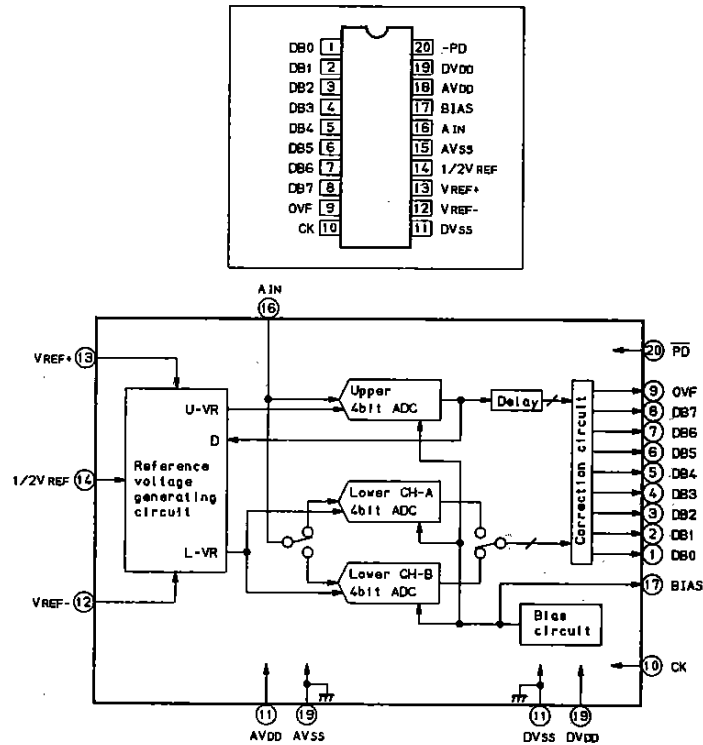
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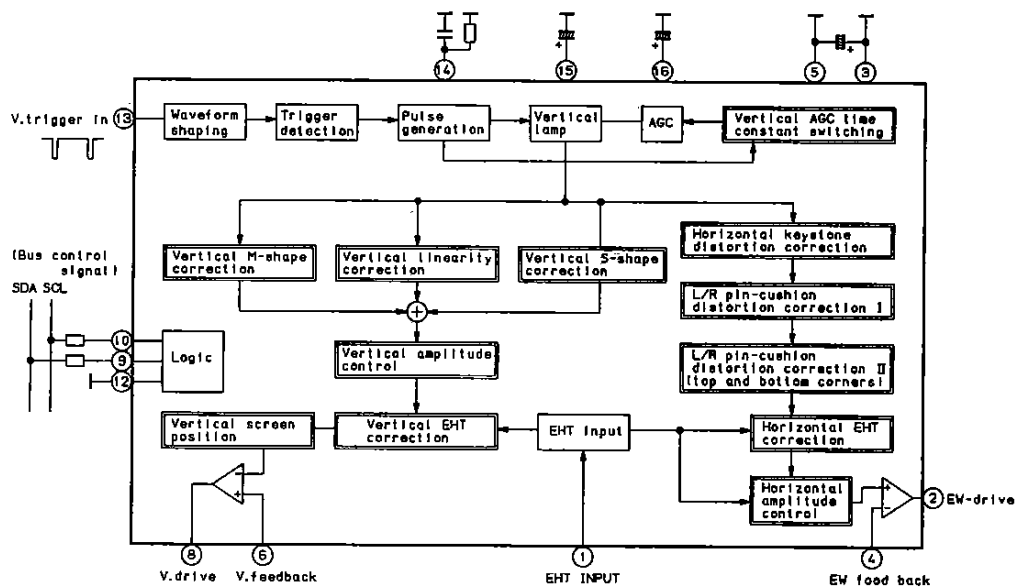
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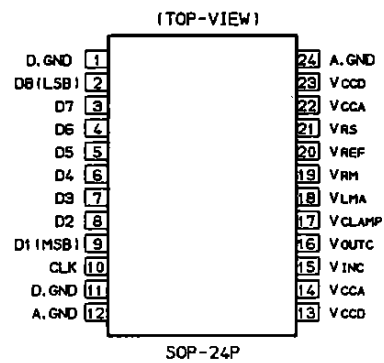
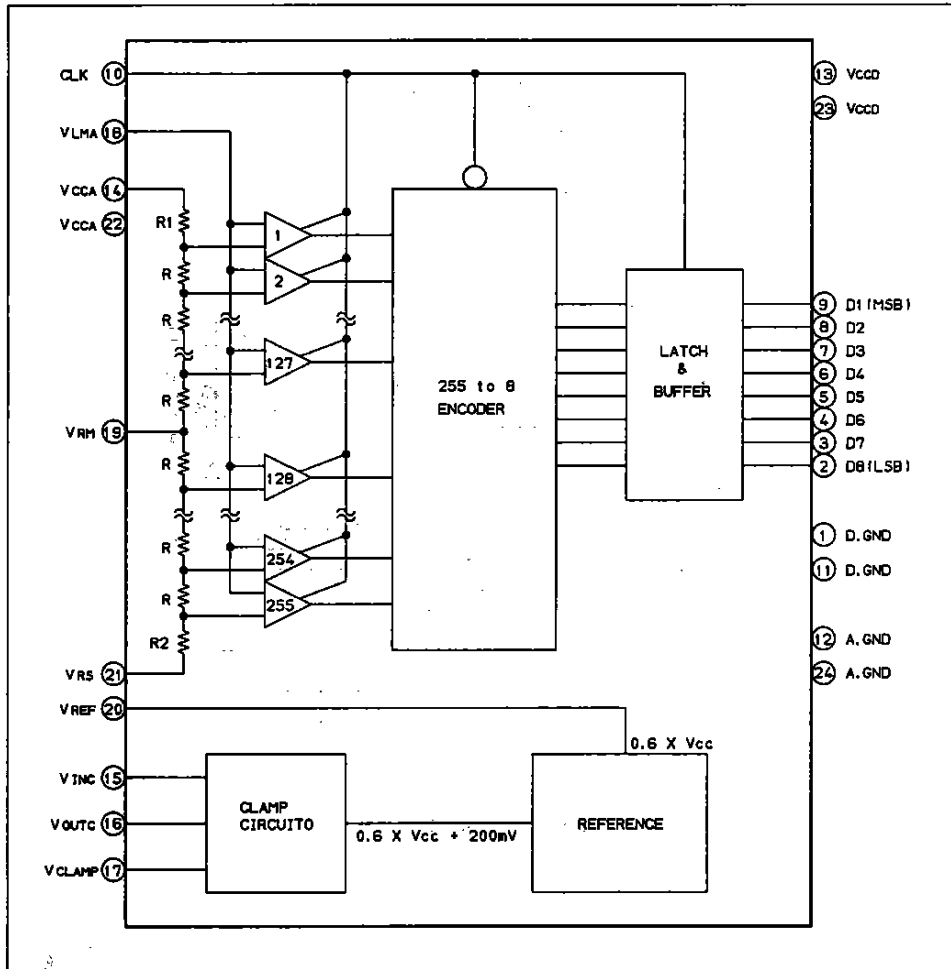


IC360 TA8859P

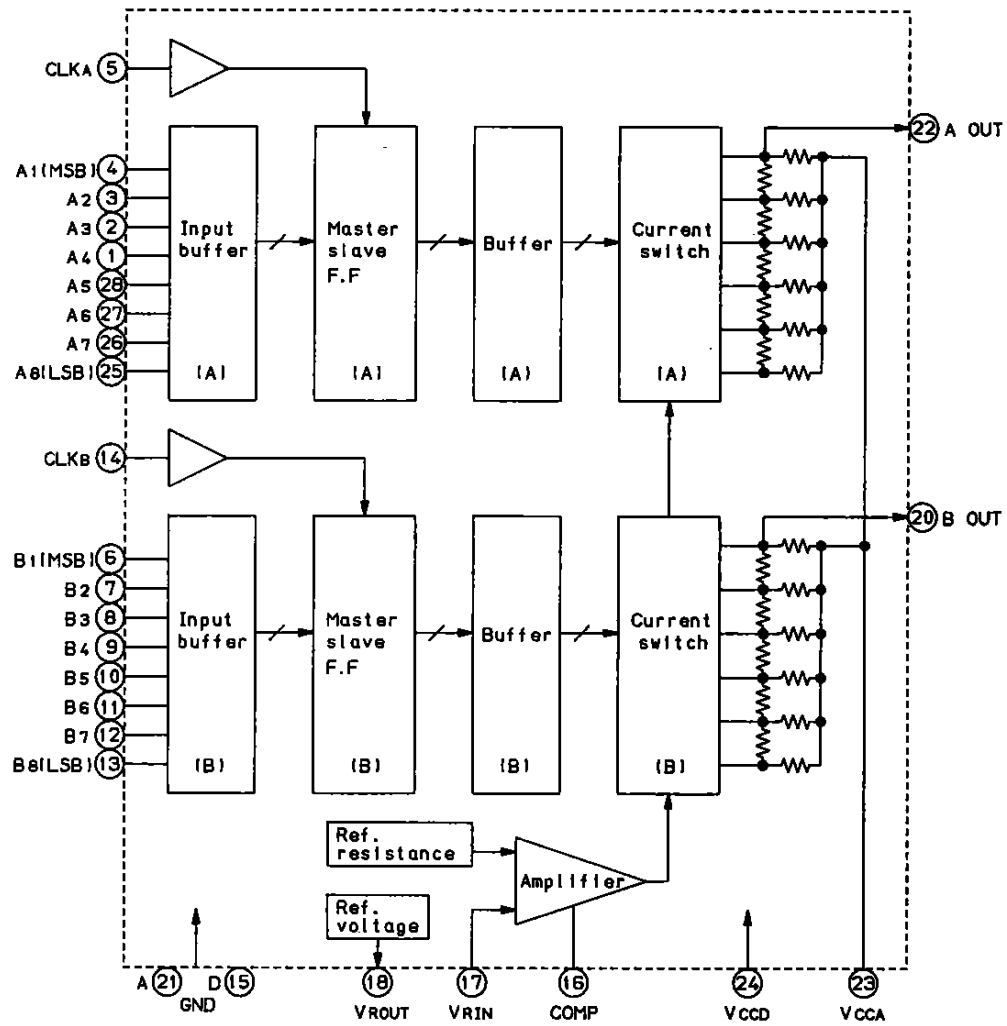


Items enclosed with are controlled by the bus.

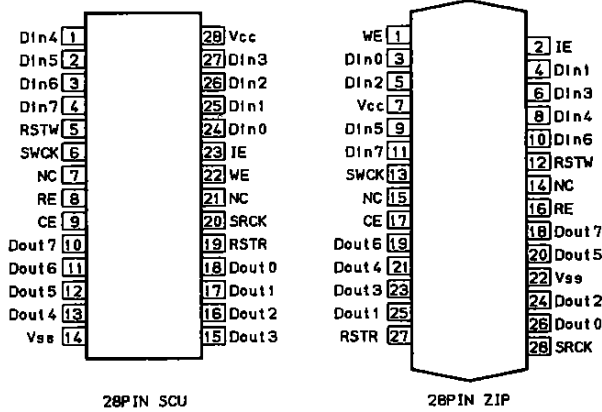
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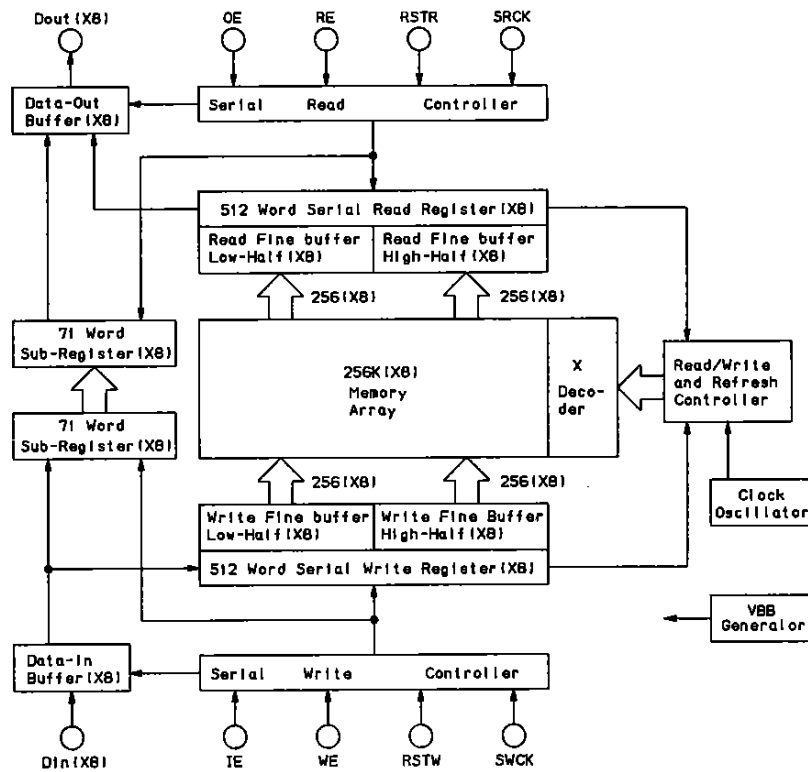
ICZ02 MB40968



ICZ06, ICZ07 MSM518221



PIN NAME	FUNCTION
SWCK	Serial write clock
SRCK	Serial read clock
WE	Write enable
RE	Read enable
IE	Input enable
OE	Output enable
RSTW	Reset write
RSTR	Reset read
Din0-7	Data input
Dout0-7	Data output
Vcc	Power source (+5V)
Vss	Ground (0V)
NC	No connection



ICP01 YM7306C

