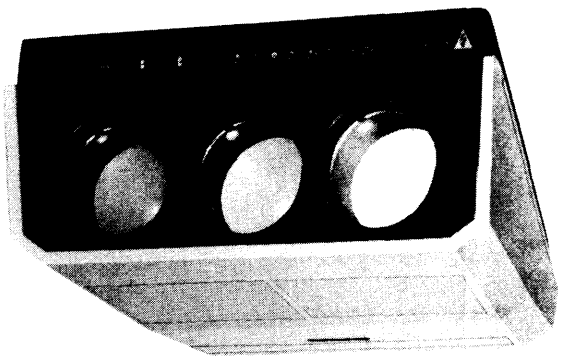
ORDER NO. VED88030080C1
D10

Service Manual

Color Video/Data Projector

PT-105

chassis No. Q10



The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.

Specifications

Power Source:	AC 120V, 50/60 Hz
Power Consumption:	340W (average)
Projection Tube:	Optical coupling, 7" liquid-cooled IMF CRTs (R, G, B)
Lenses:	Double focus, three F1. 05 lenses
Resolution:	Video..650 TV lines RGB... Horizontal: 1470 dots/1100 TV lines Vertical : 1100 dots
Line in/out Level:	1 ± 0.3Vp-p 75Ω or high impedance, BNC connector
S-Video Input Level:	Y signal...1Vp-p C signal... 0.286Vp-p } Mini Din 4 Pin connector
RGB 1 Input Level:	R; 0.7Vp-p 75Ω G; 0.7Vp-p 75Ω (G SYNC: 1Vp-p 75Ω) B; 0.7Vp-p 75Ω H/HV; 0.3 ~ 4V 75Ω V; 0.3 ~ 4V 75Ω } BNC connector
RGB 2 Input Level:	TTL input signal, D sub 9 Pin connector
Audio Input Level:	0.5Vrms
Speaker Output:	1.5W
Dimensions:	Width: 23-29/32" (606mm) Depth: 30-1/8" (765mm) Height: 12" (305mm)
Weight:	111-1/8 lbs. (50 kg)
Screen Size:	PT-105/120"; 80" ~ 120" (2032 ~ 3048mm) PT-105/72"; 60" ~ 79" (1524 ~ 2007mm)
Throw Distance:	60" (1524mm) Picture Size; 78-13/16" (2002mm) 72" (1829mm) Picture Size; 93-15/16" (2386mm) 100" (2540mm) Picture Size; 126-13/32" (3211mm) 120" (3048mm) Picture Size; 151-1/32" (3836mm)
Luminance Output:	550 lumens (at white peak)
Operating Ambient Temperature:	32°F ~ 104°F (0°C ~ 40°C)
Operating Ambient Humidity:	20% ~ 80%
Supplied Accessories:	AC Cord Mounting Kit (1 set) (For detail, refer to the Installation Manual)
Options:	Remote Controller ET-15R RGB Interface ET-10G Computer cable ET-100C (20P-9P). . . . IBM, IBM compatible, Panasonic ET-101C (20P-15P). . . Apple III ET-102C (20P-8P). . . . NEC Remote Control Cable ET-11C15. . . 50 feet (15m) ET-11C30. . . 100 feet (30m) ET-11C50. . . 164 feet (49.5m) S-VIDEO/BNC Conversion Adapter ET-100YC Carrying Case PC-105 *Screen Stand* ET-SS101 Semi-Curved Screen ET-721S Adjustable Cart ET-CR101A

Specifications are subject to change without notice.
Weight and dimensions shown are approximate.

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CONTENTS

THESE MODELS COMPLY WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE

IMPORTANT SAFETY NOTICE

There are special components used in this Panasonic Color Video/Data Projector which are important for safety. These parts are shaded on the schematic diagram. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design without permission of Matsushita Electric.

PRECAUTION: To prevent permanent burning of the picture tubes do not operate the projector with a still picture for an extended time period when not necessary and be certain to turn power off when not in use.

Burned picture tubes are not covered under warranty.

FEATURES

1. Wide-range computer compatibility:
   - Compatibility with all PC signals (15 ~ 37 kHz in horizontal scanning frequency, 50 ~ 100 Hz in vertical scanning frequency).
   - It can adjust automatically and continuously to the input signal when driven by any standard IBM PC/XT/AT color graphics adaptor, IBM PS-II or compatible board.
2. High contrast ratio with Optical Coupling:
   - By combination of CRT with sillicon gel, loss of picture light with a reduction in contrast due to reflection on lens surface is prevented, permitting clear pictures. (Doubled contrast ratio, compared with the conventional types)
3. Use of newly developed Liquid Cooled Internal Magnetic Focus CRT:
   - High resolution, compactness, simple focus adjustment because of excellent focusing of electronic beams.
4. Superb resolution and bright picture:
   - High luminance output;
     550 lumens. (at white peak)
   - High resolution;
     RGB . . . .Horizontal : 1470 dots/1100 TV lines
     Vertical : 1100 dots
     Video . . . . 650 TV lines
     * RGB character reproduction : equivalent to 4000 characters.
5. Integrated cross hatch signal generating circuit for convergence adjustment:
   - VIDEO; cross hatch and corss pattern.
   - RGB, cross hatch pattern only.
6. Use of the service lamp for adjustment and LEDs for operation.
7. Various types of signal input:
   - Line IN/OUT (BNC), RGB analog (BNC), RGB TTL (D Sub 9 Pin), S-Video (Mini Din 4 Pin), Audio (Phono Pin).
8. Four broadcast system capability:
   - PAL, SECAM, NTSC and M-NTSC 4.43.
9. Integrated 1.5W speaker:
   - Availability of simple audio monitoring because of an integrated audio circuit.
10. Clear image obtained.
    - Clearness has been greatly improved by introducing the newly developed color collection lens and incorporating a velocity modulation circuit.
      (The circuit of velocity modulation will be operated when the video signal is inputted only.)
11. Peripheral resolution has been improved by incorporating a dynamic focus compensation circuit.

⚠ WARNING

This service literature is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service literature by anyone else could result in serious injury or death.

SAFETY PRECAUSIONS

GENERAL GUIDELINES

1. It is advisable to use an isolation transformer in the AC line supply before servicing this model.
2. When servicing observe the original lead dress, especially in the high voltage circuit. In case of a short circuit, replace every part which has overheated.
3. After servicing observe that all protective devices such as insulation barriers, fish paper, shields, isolation networks and fuses are properly installed.
4. Before turning the receiver on, the resistance between the B+ line and chassis ground should be checked. Connect the ⊖ side of an ohmmeter to the B+ line and the ⊕ side to chassis ground.
   Each line should have more resistance than specified, as follows:

B+ (B−) Line	Minimum Resistance
600V	500kΩ
210V (P2)	30kΩ
210V (P1)	30kΩ
160V	500kΩ
119V	10kΩ
116V	5kΩ
30V	500Ω
15V	3kΩ
15V	6kΩ
16V	5Ω
8.5V	1kΩ
6.3V	1Ω
* −9.5V	1kΩ
* −28V	1kΩ
* −155V	200kΩ

*; −Side to ground

5. If the set is not intended to be used for a long time, the power cord should be unplugged from the AC line outlet.
6. Potentials, as high as 32.5 kV are present when this set is in operation. Removal of the covers involves the danger of a shock hazard from the set's power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high-voltage equipment.
   Always discharge the anode of the projection tube to the set chassis before handling the tube.
7. After servicing, make the following leakage current checks to prevent a shock hazard.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two plug prongs.
2. Turn on the set.
3. Measure the resistance value with an ohmmeter between the jumpered AC plug and each exposed metallic part such as screwheads, input terminals, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 490 kΩ and 9 MΩ. When the exposed metal does not have a return path to the chassis, the reading must be infinite.

LEAKAGE CURRENT HOT CHECK (See Fig. 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer during this check.
2. Connect a 1.5kΩ 10 watts resistor in parallel with a 0.15μF capacitor between each exposed metallic part and an earth. Use a good earth, for example, a water pipe.
3. Use a high impedance AC voltage meter (VTVM) to measure the potential across the resistor.
4. Move the resistor connection to each exposed metallic part and measure the voltage present.
5. Check that any potential does not exceed 0.75 volt RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used in the above hot check, in which case any current measured must not exceed 1/2 milliamp. In case any measurement is out of the limits specified, there is a possibility of a shock hazard and the set should be repaired and rechecked before it is returned to the customer.

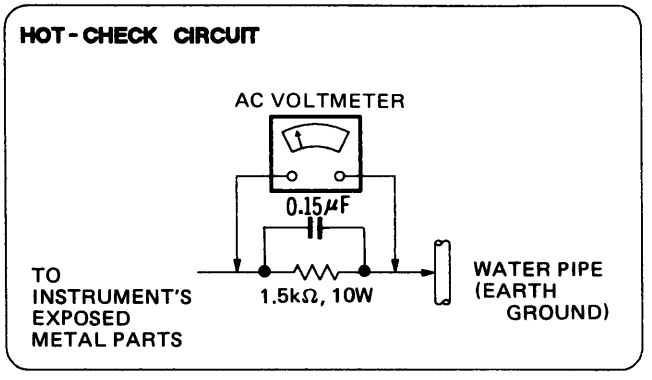


Fig. 1

X-RADIATION

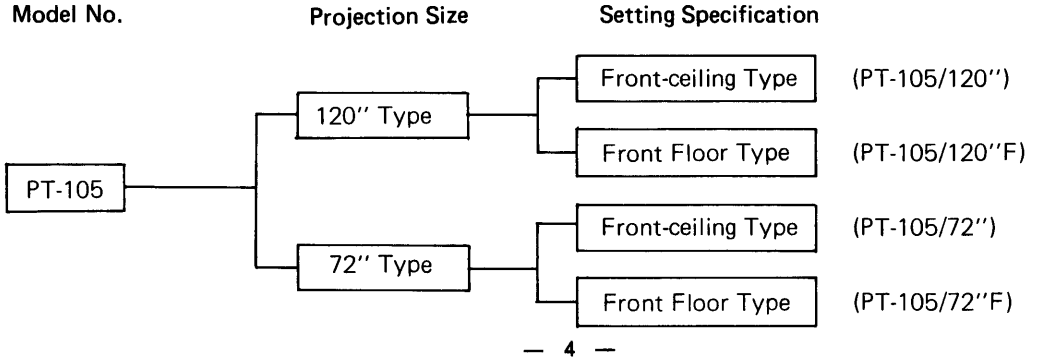
WARNING: The potential source of X-Radiation in the color Projection System is the High Voltage section and the projection tubes.

NOTE: It is important to use an accurate, periodically, calibrated high voltage meter.

1. Turn the Brightness control fully counterclockwise.
2. Measure the High Voltage. The high voltage meter should indicate 32 kV ± 0.5 kV. If the upper meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. (Refer to high voltage adjustment in the manual.)
3. To prevent an X-Radiation possibility, it is essential to use the specified projection tube only.
4. To prevent exposure to X-Radiation, the projection tube shield must be kept in place with power applied to the set.

WARNING: When using a projection tube test jig for service, ensure that jig is capable of handling 32.5 kV without causing X-Radiation.

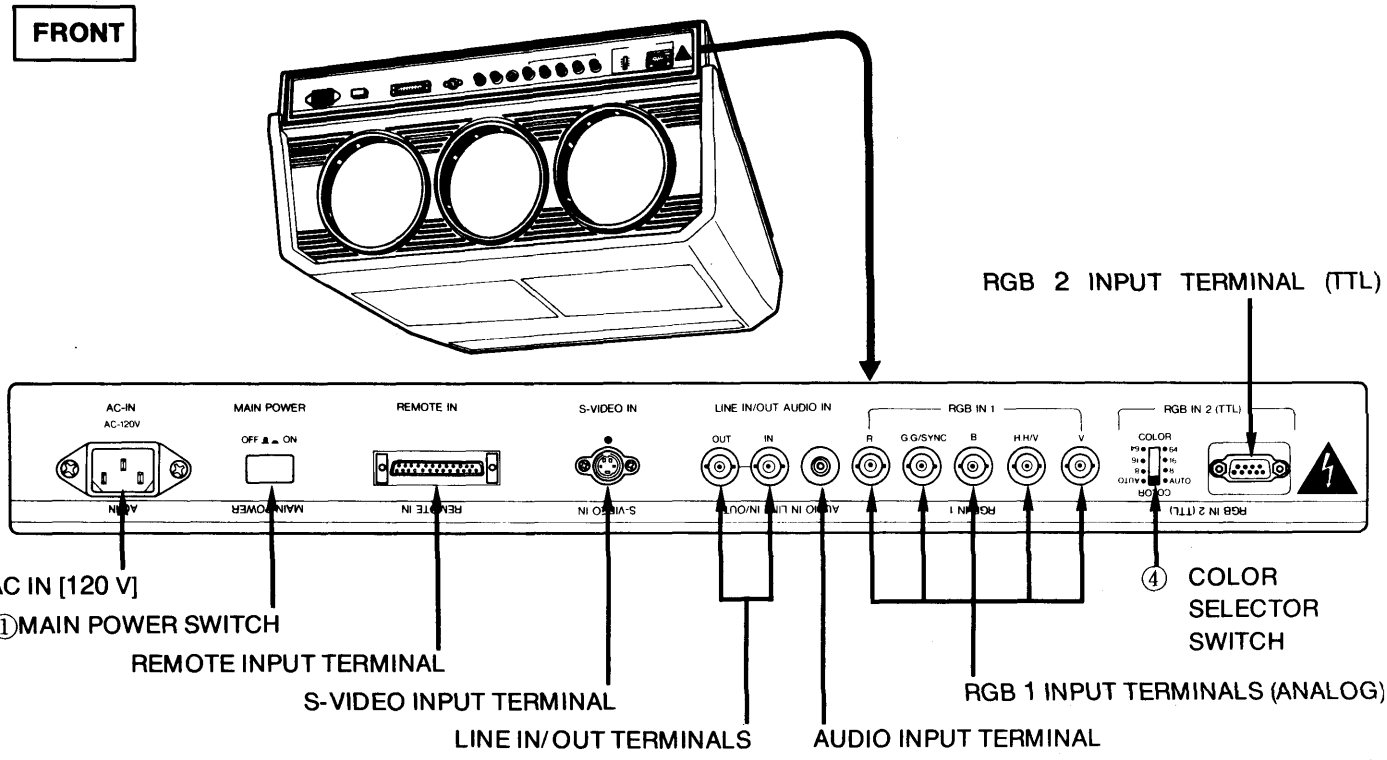
- PT-105 is classified into 4 types by the projecting size and setting specification.



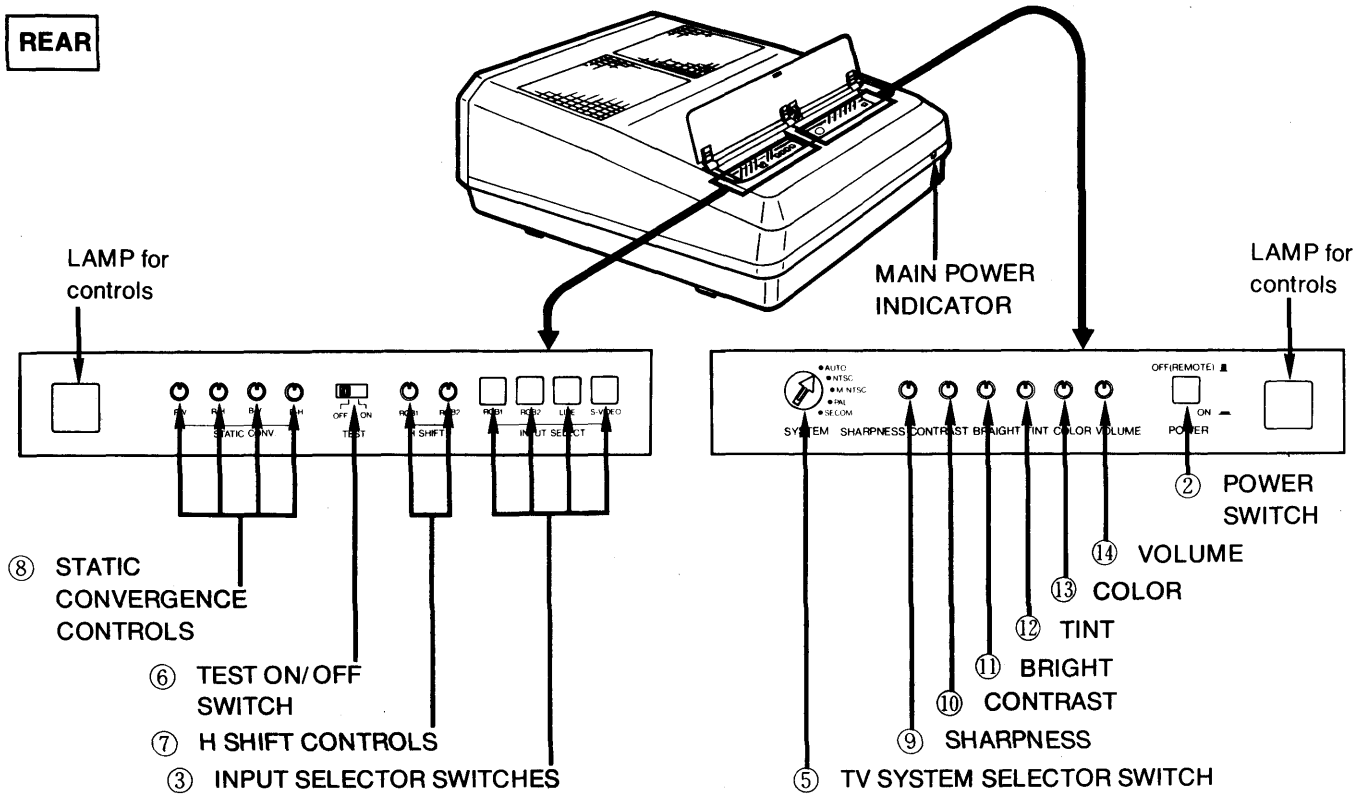
LOCATION OF CONTROLS, OPERATION, CONNECTIONS AND SYSTEMS APPLICATIONS

LOCATION OF CONTROLS AND TERMINALS

FRONT



REAR



Note: When the door of control panel is opened, LEDs on the control panel light automatically.

CAUTION: When fully open this door is at a 120° angle.Forcing the door beyond this angle will cause damage. (Door cannot lie flat)

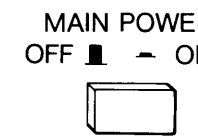
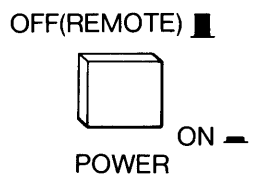
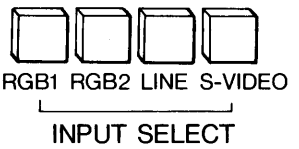
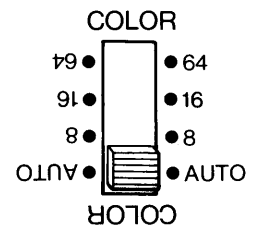
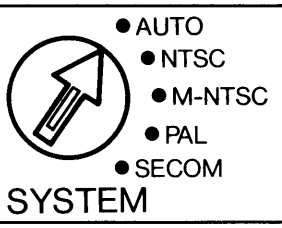
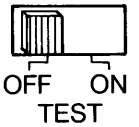
OPERATION

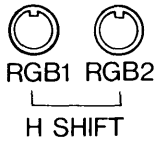
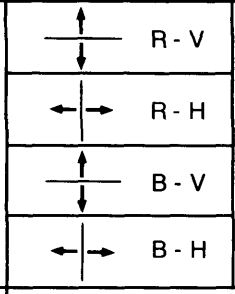
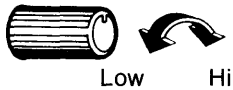
■ Operating Procedures

1. Turns on the power by pressing the switch ① and ② .
2. Select the proper input signal type by pressing the switches ③ .

Note : When the separately supplied remote controller (ET-15R) is connected to the PT-105, please turn OFF the Power switch ② . If the Power switch ② is ON position, function ③ , and ⑨ through ⑭ are inoperable.

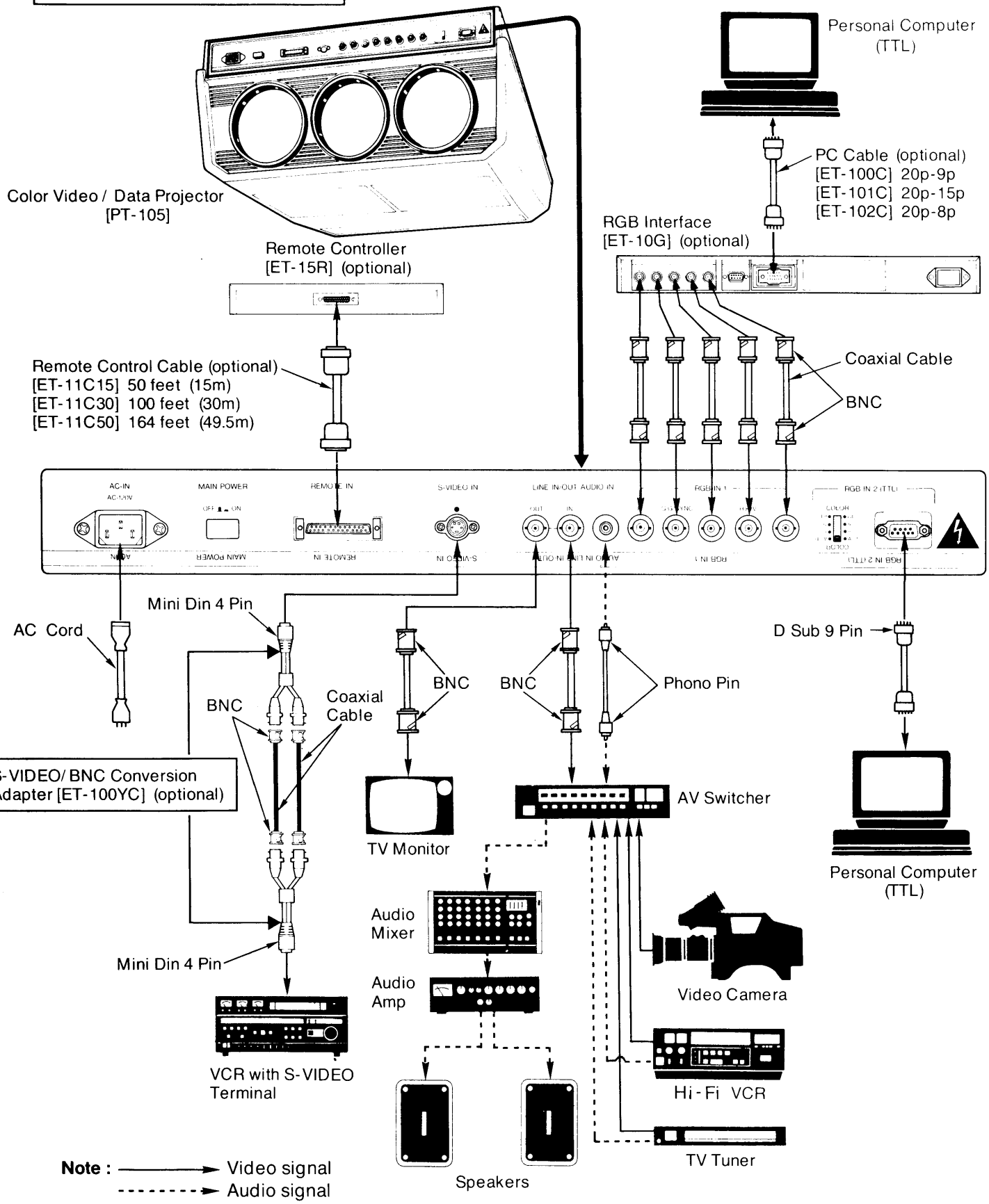
■ Use of Switches and Controls

REFER No.	SWITCH	PURPOSE	
①	**MAIN POWER SWITCH**		Switches main power supply ON/OFF.
②	**POWER SWITCH**		Power ON/OFF switch. This switch is set to the OFF position, when the remote controller (ET-15R) is in use.
③	**INPUT SELECTOR SWITCHES**		RGB 1 ···Push this button to view signals inputted via the RGB 1 input terminals. RGB 2 ···Push this button to view signals inputted via the RGB 2 (TTL) input terminal. LINE ···Push this button to view signals inputted via the LINE input terminal. S-VIDEO··Push this button to view signals inputted via the S-VIDEO input terminal.
④	**COLOR SELECTOR SWITCH**		When the projector is connected to a computer with TTL mode (RGB 2), select the color level appropriately. 64 ·····R, G, B, R', G', B' 16 ·····R, G, B, I 8 ·····R, G, B AUTO ·····For the IBM PC (CGA mode and EGA mode only).
⑤	**TV SYSTEM SELECTOR SWITCH**		This switch is normally set at AUTO. However, if the picture quality is poor due to the use of dubbed tapes, etc., reception may not be satisfactory. In that case, set the switch to the appropriate input signal using a screwdriver.
⑥	**TEST ON/OFF SWITCH**		Set the switch to ON position to generate internal test patterns, for convergence adjustment.

REFER No.	CONTROL	PURPOSE	
⑦	**H SHIFT CONTROLS**		Adjust the horizontal position of the RGB character.
⑧	**STATIC CONVERGENCE CONTROLS**		1. Before adjust these controls, set the Test ON/ OFF switch ⑥ to ON position. 2. Adjust all four controls according to their function as shown below to aling the Red and Blue bars at the center of the picture. When properly converged, the horizontal and vertical lines appear in white with minimum color fringing. **Note :** These controls are available for RGB 1 mode only.
⑨	**SHARPNESS CONTROL**		To obtain a sharper picture rotate the control clockwise. For a softer picture rotate the control counter-clockwise.
⑩	**CONTRAST CONTROL**		Adjust the contrast control for proper overall contrast.
⑪	**BRIGHTNESS CONTROL**		The click-stop indicates standard brightness. Adjust the brightness control for proper overall picture brightness.
⑫	**TINT CONTROL**		Adjust for proper skin tone.
⑬	**COLOR CONTROL**		Adjust the color control to set the chroma (saturation) level.
⑭	**VOLUME CONTROL**		Adjust this control for the appropriate audio level. If the audio input is not used turn to minimum.

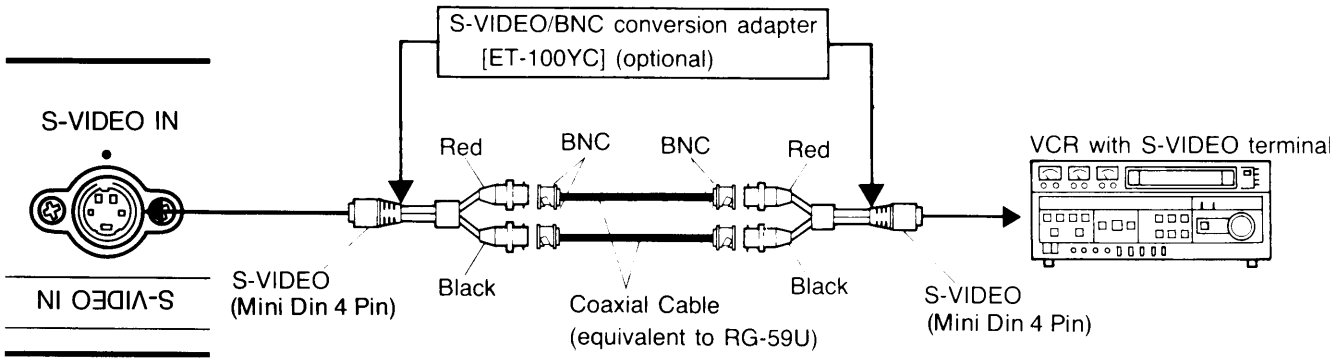
CONNECTIONS

BASIC CONNECTING DIAGRAM



■ How to connect the optional units.

CASE 1 : Connection to a S-Video source.



Note : 1. It is recommended that the coaxial cables used are of equal length and that this length not exceed 100 meters (328 feet). Exceeding this length will have an adverse effect on Y/C signal transmission.

2. The connectors are color keyed; the Y signal connector is Red and the C signal connector is Black. Care should be exercised in insuring proper "Red" to "Red" and "Black" to "Black" cable connection.

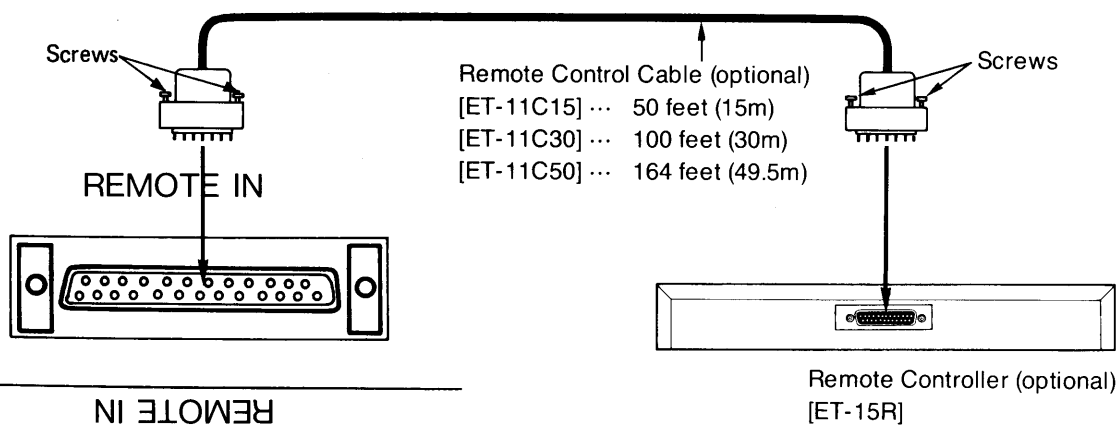
3. Care should be taken to provide "Strain relief" for the S-Video connectors to prevent connector damage or loss of connector.

Pin functions of the Mini Din 4 Pin connector

PIN No.	DESCRIPTION	PIN No.	DESCRIPTION
1	GND	3	Y signal input
2	GND	4	C signal input

[Table 1]

CASE 2 : Connection to the remote controller ET-15R (optional).



Note : 1. When the remote controller is connected, the Power switch ② is set to the OFF position.

2. Connect the remote control cable and tighten the screws on the connector is firmly secured.

3. For the detail, refer to the operating instructions of ET-15R.

CASE 3 : Connections to the personal computer.

PT-105 has excellent features as a Color Video / Data Projector for computer information display, and is compatible with various PC signals. The connection is different depending on PC signal characteristics and types of connectors. Carefully read the following description and be sure to perform correct connection.

1) PC signal characteristics compatible with connection to PT-105.

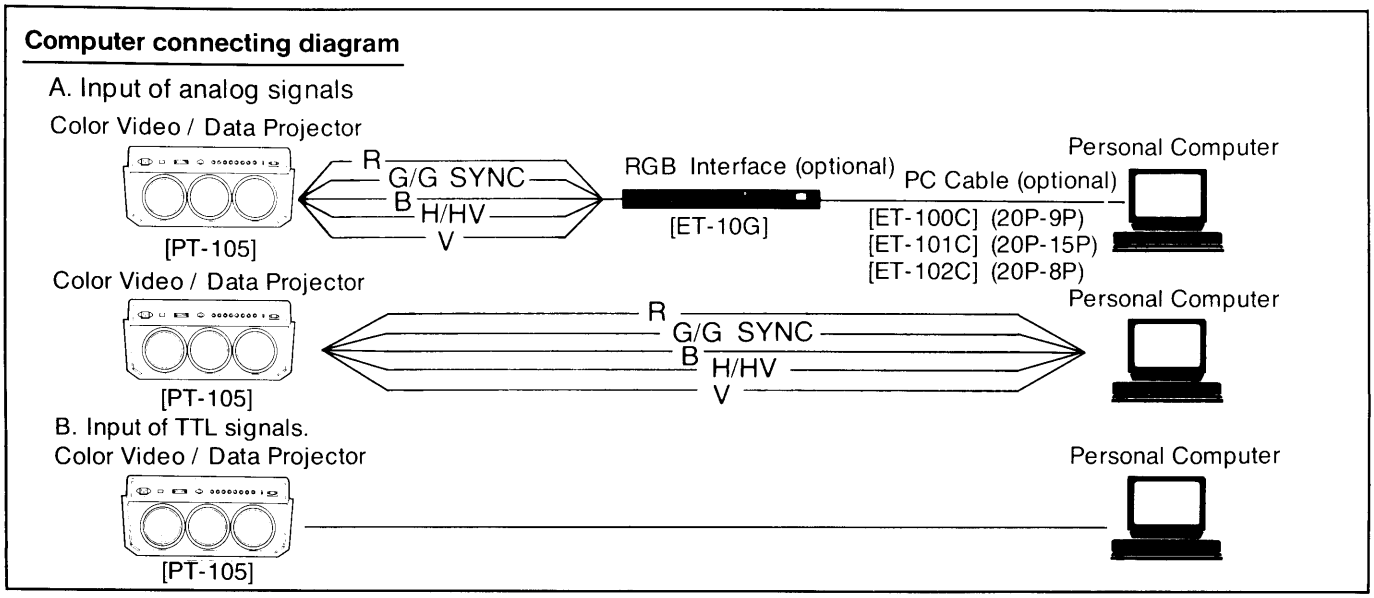
PT-105 can be connected with all PC which satisfy the range shown in Table 2.

ITEM	SPECIFICATION
Horizontal scanning frequency (fH)	15 ~ 37 KHz
Vertical scanning frequency (fV)	50 ~ 100 Hz
H Blanking	More than 5.5 μsec.
V Blanking	More than 0.7 msec.

[Table 2]

2) Connecting diagram of personal computer

Computer connecting diagram



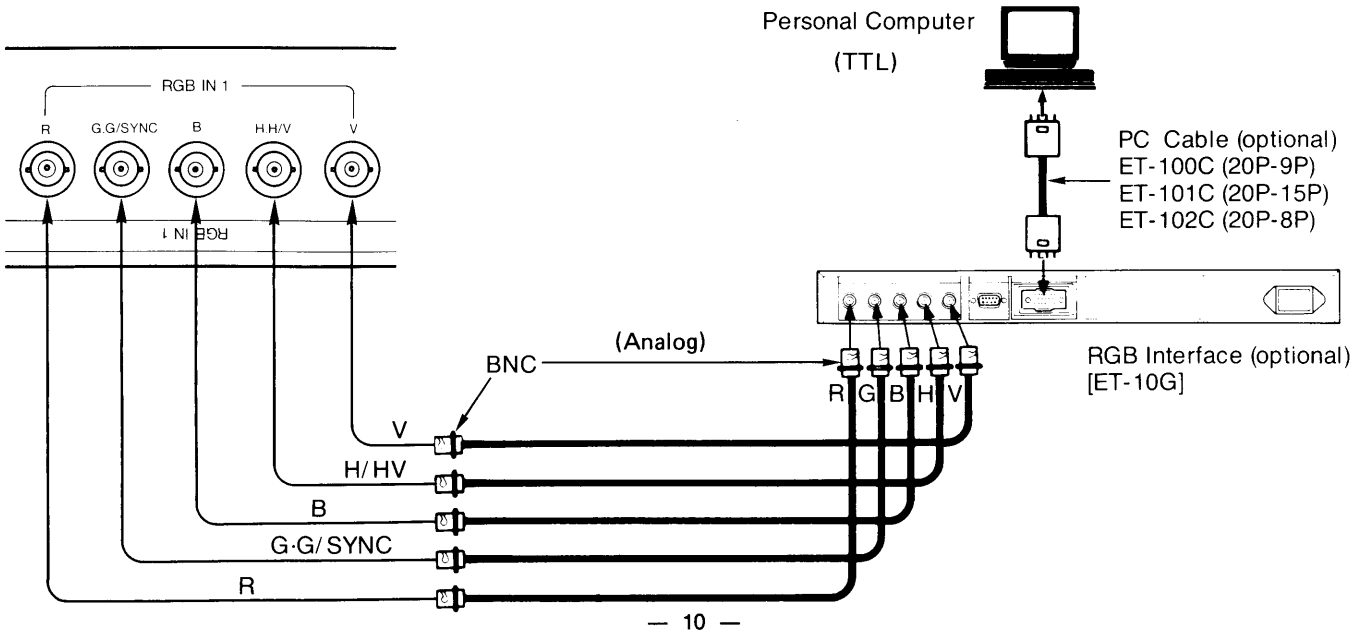
3) Example: Connection of IBM personal computers.

The PT-105 can be used with the following IBM personal computers in the modes indicated.

IBM PC/AT/XT .....CGA, EGA, PGA, MDA modes.
IBM PS-Ⅱ .....MCGA, VGA, modes.

A. Input of analog signals

With input of analog signals, there are two ways of connection; one through RGB interface ET-10G (optional) and the other by direct connection. In both cases, connect to RGB IN 1 terminals (BNC connector) of this unit, according to the procedure motioned in the drawing below.



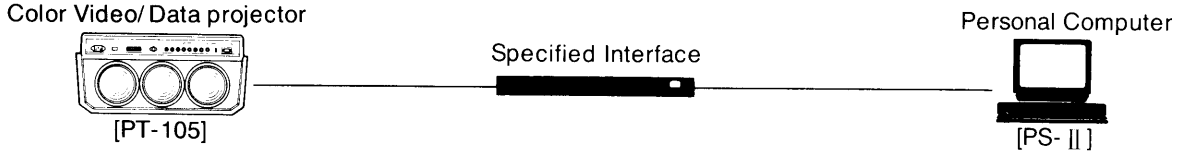
Note : With connection of RGB interface ET-10G with personal computer, use a PC cable available locally. There are three types of PC connectors. Be sure to select a cable which mates with the shape of the PC output terminal.

Pin function of the 20 pin connector

PIN No.	DESCRIPTION	MAKER	PIN No.	DESCRIPTION	MAKER
1	GND	COMMON	11	-	-
2	R	IBM NEC PANASONIC	12	V.D	IBM PANASONIC
3	G	IBM NEC PANASONIC	13	+12V	APPLE III
4	B	IBM NEC PANASONIC	14	XRGB8	APPLE III
5	I	IBM PANASONIC	15	XRGB2	APPLE III
6	+12V	IBM NEC PANASONIC	16	+5V	APPLE III
7	+12V	IBM APPLE III NEC PANASONIC	17	V.D	NEC
8	XRGB4	APPLE III	18	H.D	NEC
9	XRGB1	APPLE III	19	H.D	IBM PANASONIC
10	-	-	20	SYNC	APPLE III

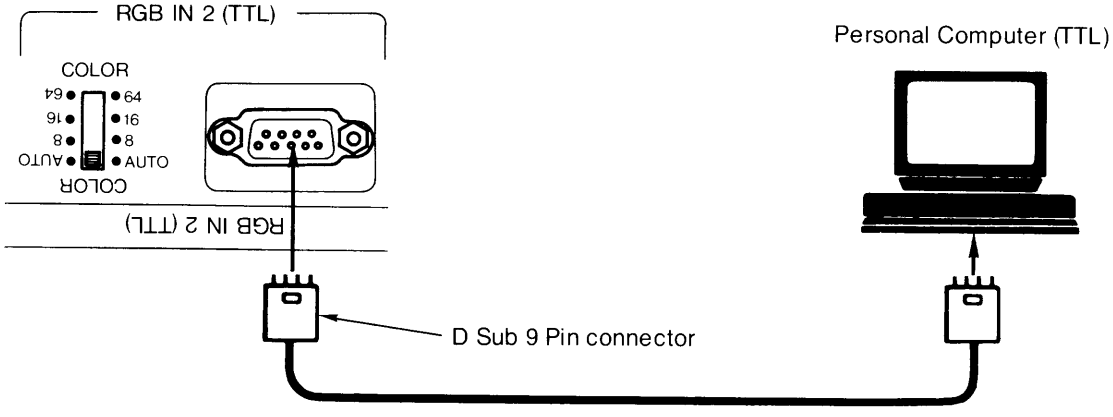
[Table 3]

Note: PT-105 is compatible with IBM personal computer PS- II with input of analog signals. In this case, however, a specified interface must be used.



B. Input of TTL signals

- With input of TTL signals, connect RGB IN 2 terminal (D Sub 9 Pin connector) to this device according to the procedure mentioned in the drawing below.
- With input of TTL signals, set the color selector switch in conformity with the display color of personal computer to be connected. (refer to ④ of Page 6.)



Note : 1. The signal contents for D Sub 9 Pin varies with adapters of personal computer to be connected. With connection to IBM PC adapter CGA or EGA mode, the pin functions are as mentioned of [Table 4].

2. With input of TTL signals, use a dedicated cable.

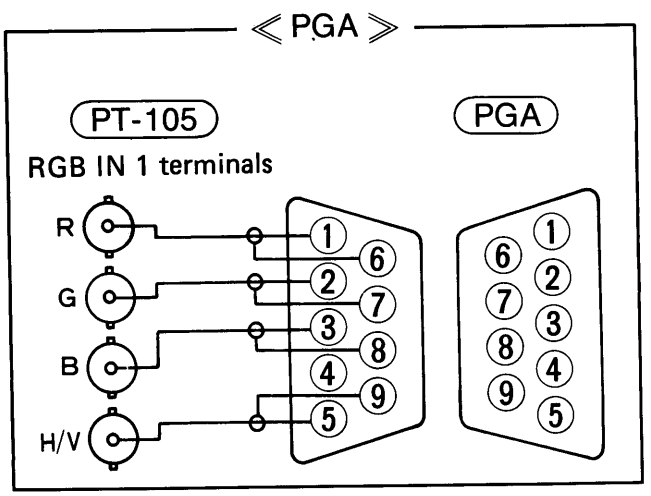
Pin functions of D Sub 9 Pin connector

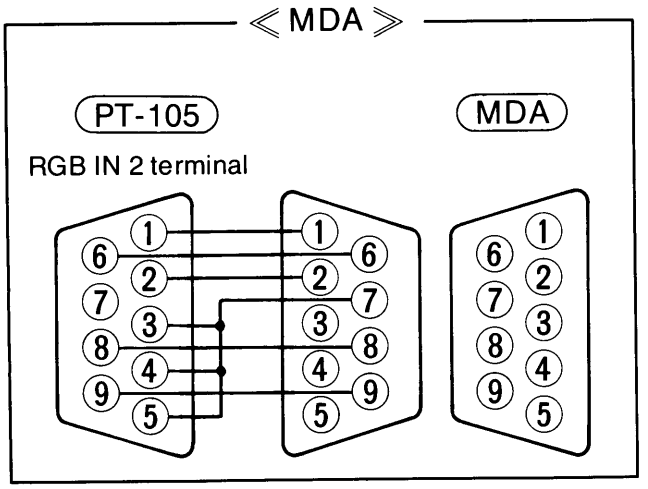
PIN No.	DESCRIPTION OF CGA MODE	PIN No.	DESCRIPTION OF EGA MODE
1	GND	1	GND
2	GND	2	r (TTL)
3	R (TTL)	3	R (TTL)
4	G (TTL)	4	G (TTL)
5	B (TTL)	5	B (TTL)
6	I (TTL)	6	g or I (TTL)
7	-	7	b (TTL)
8	H (⊕ TTL)	8	H (⊕ TTL)
9	V (⊖ TTL)	9	V (⊖ TTL)

[Table 4]

C. Connection to special computers.

- PT-105 is compatible with IBM personal computer adapter PGA or MDA mode. In this case, however, a special cable must be used. Please contact your dealer or service engineer.
- With connection to PGA mode, connect with RGB IN 1 terminals of PT-105 as shown in the drawing below.





- With connection of PGA or MDA mode, the signal contents of D Sub 9 Pin are as follows.

PIN No.	DESCRIPTION OF PGA MODE	PIN No.	DESCRIPTION OF MDA MODE
1	R (Analog)	1	GND
2	G (Analog)	2	GND
3	B (Analog)	3	-
4	Composite Sync (⊖ TTL)	4	-
5	Mode Control	5	-
6	GND (R)	6	I (TTL)
7	GND (G)	7	Video (TTL)
8	GND (B)	8	H (⊕ TTL)
9	GND	9	V (⊖ TTL)

[Table 5]

SYSTEMS APPLICATIONS

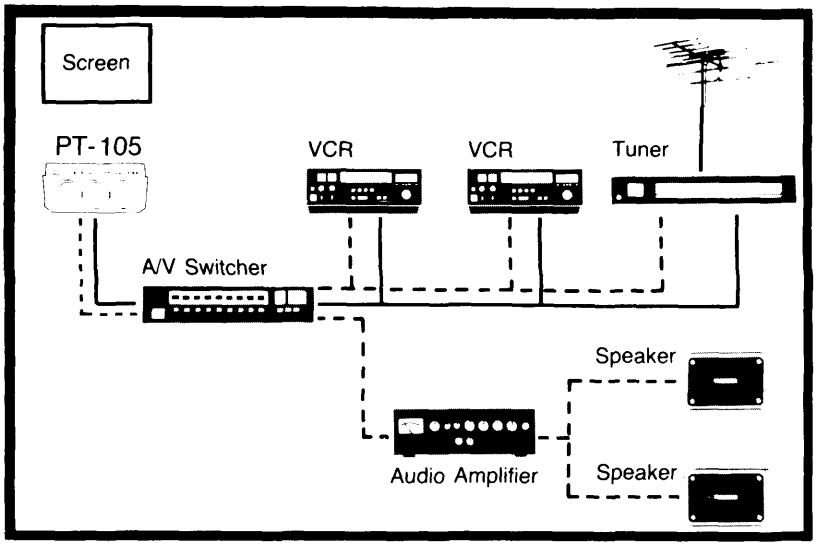
EXAMPLE 1

Presentation System

This is the most orthodox VCR playback system. Variations can be developed on this system according to the required applications.

Applications:

- Conference Rooms
- Classrooms
- Public Areas



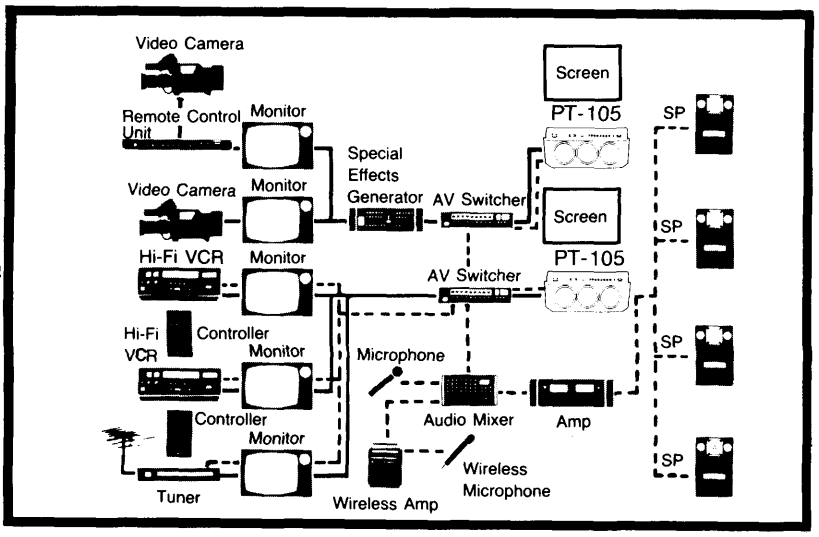
EXAMPLE 2

Entertainment System 1

This system is ideal for social gathering ceremonies, etc. to be held in large places. Great effects are possible with the powerful video images from color video/data projectors, when they are combined with video cameras and audio equipment.

Applications:

- Banquet Halls
- Lounges, Discos

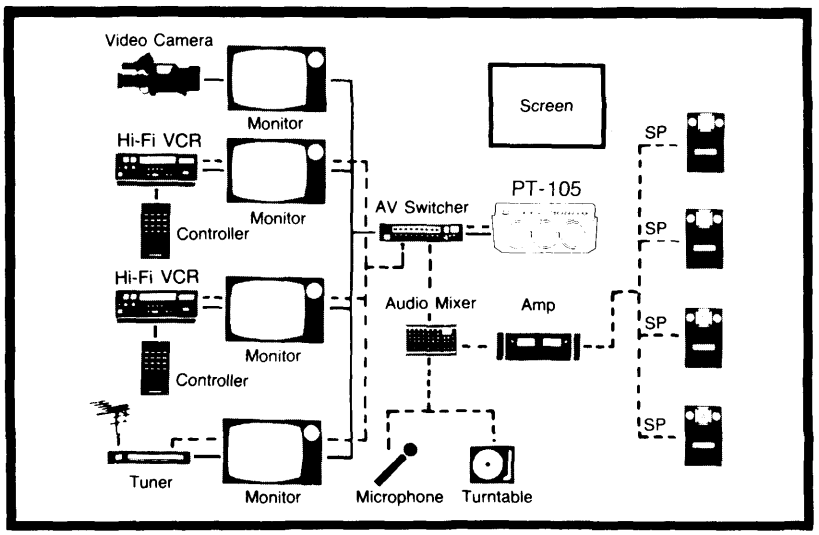


Entertainment System 2

This system is particularly suited to such recreational facilities as bars, restaurants, dance clubs, etc. A wide variety of artistic effects can be produced. When used together with stereo sound, a relaxed aura of "background video" and "mood" music, or dynamic video images with music with a beat to match.

Applications:

- Lounges, Discos
- Restaurants



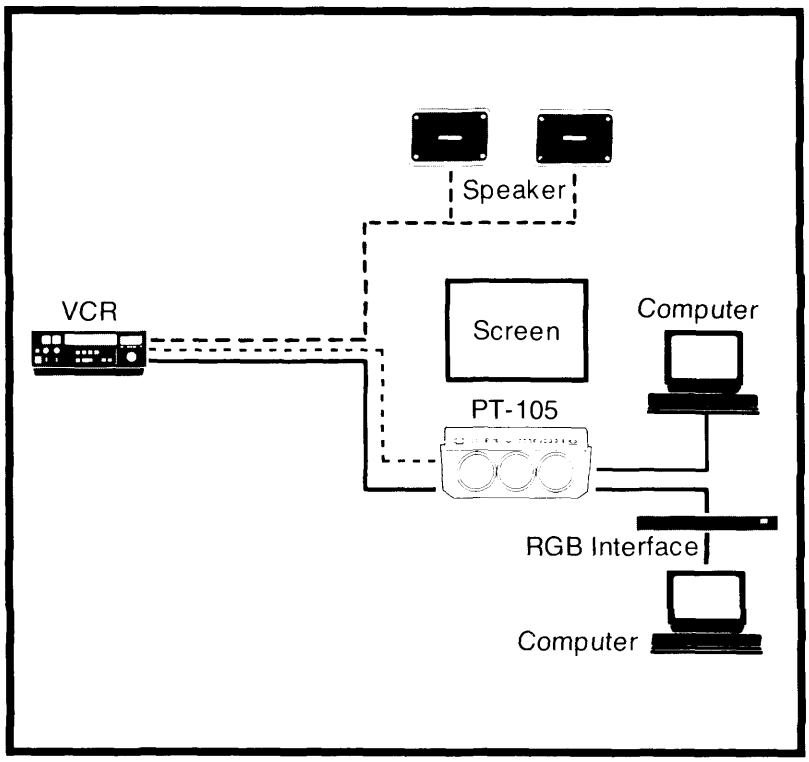
EXAMPLE 3

Business Application

This system is designed to concentrate on data presentations for business, conferences, showrooms, etc. Its superb resolution and capacity to match various types of personal computers make it ideal for upgrading office-automation systems and diversified video / data services.

Applications:

- Conference Rooms
- Training Areas
- Information Displays



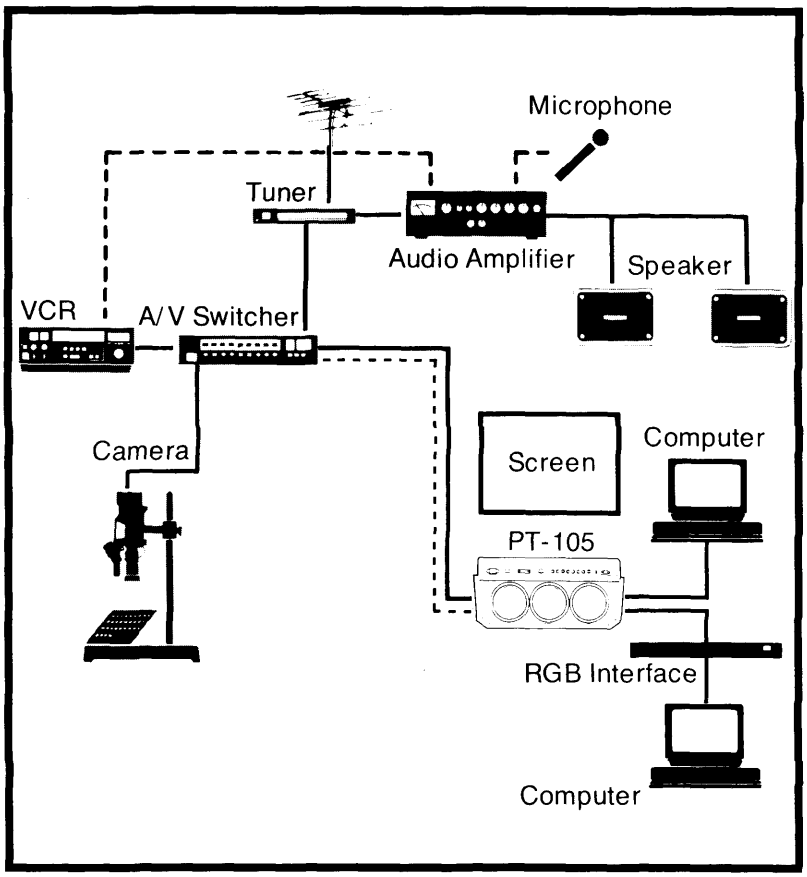
EXAMPLE 4

Educational System

Ideal for a wide range of educational activities, particularly as an effective teaching aid.

Applications:

- Classrooms
- Auditoriums
- Lecture Halls



DISASSEMBLY INSTRUCTIONS

1. HOW TO REMOVE THE TOP COVER

1) Open the cover for the control panel.
2) Remove 5 screws Ⓐ as shown in Fig. 2.
3) Then pull the Top Cover toward the back side of the deck and carefully lift it for removal.

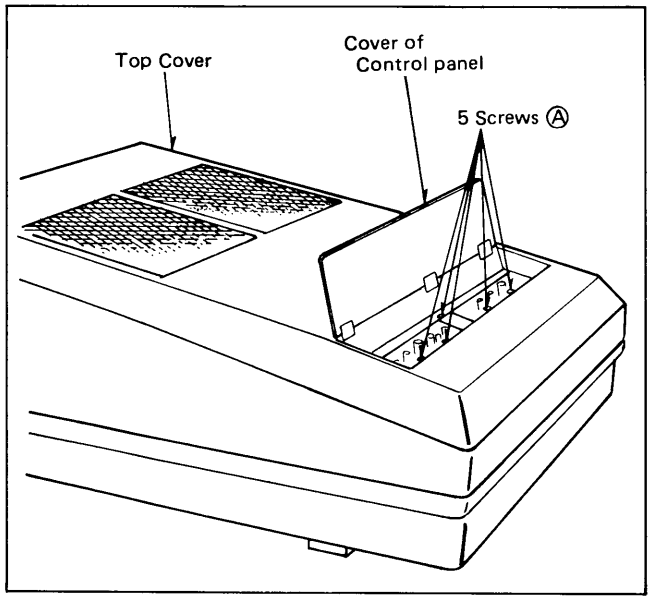


Fig. 2

2. HOW TO REMOVE THE FRONT PANEL

1) Remove 6 screws Ⓑ as shown in Fig. 3.
2) Remove 3 screws Ⓒ as shown in Fig. 4.
3) Remove the Front Panel.

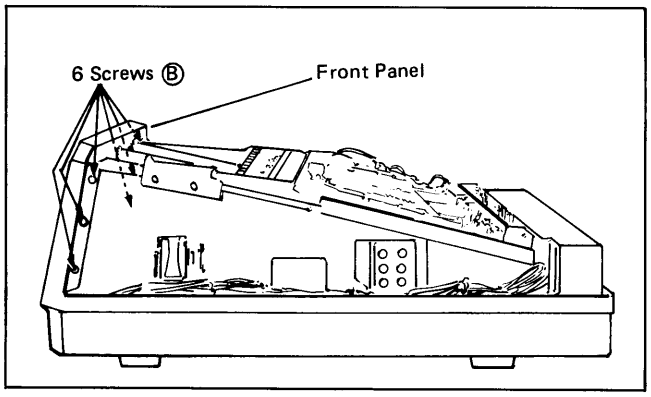


Fig. 3

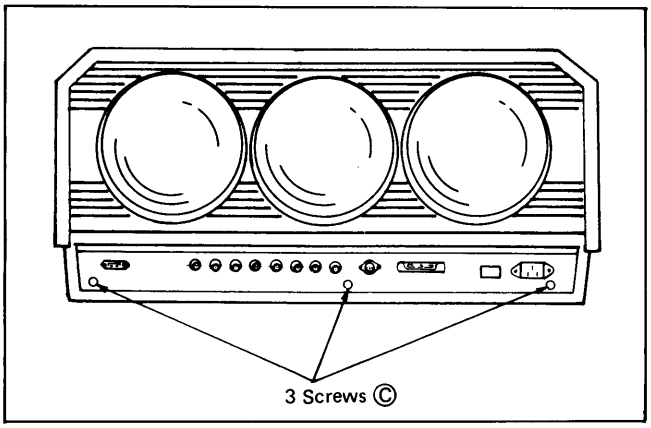


Fig. 4

3. HOW TO OPEN THE PRINTED CIRCUIT BOARD

1) "A", "B", "C" and "D"-Boards

- Loosen 2 screws Ⓓ counterclockwise by 90° as shown in Fig. 5.
- Then lift the rear of the chassis to open the "A" and "C"-Boards.
- Remove 2 stoppers Ⓔ and 2 claws Ⓕ as shown in Fig. 6.
- Then open the "B"-Board as shown in Fig. 7.
- Remove 2 stoppers Ⓖ and 2 claws Ⓗ as shown in Fig. 6.
- Then open the "D"-Board as shown in Fig. 7.

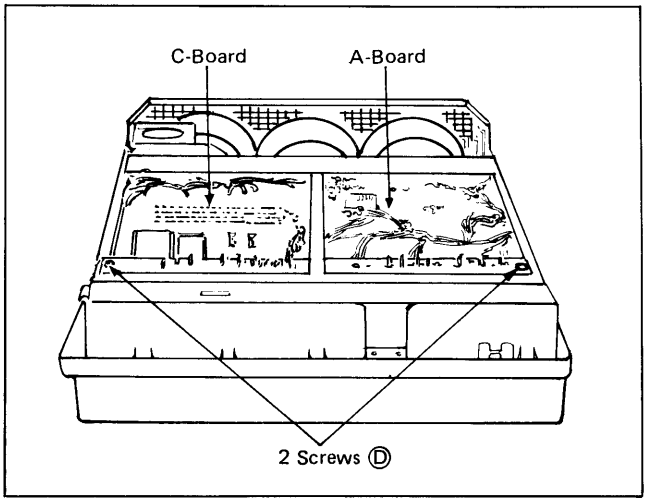


Fig. 5

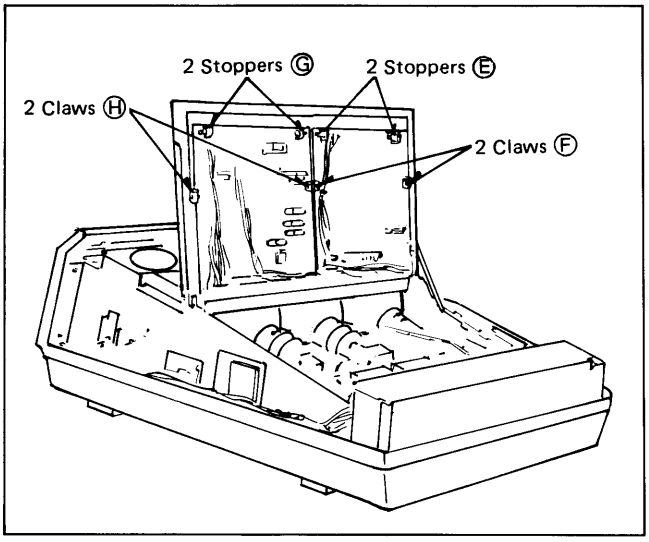


Fig. 6

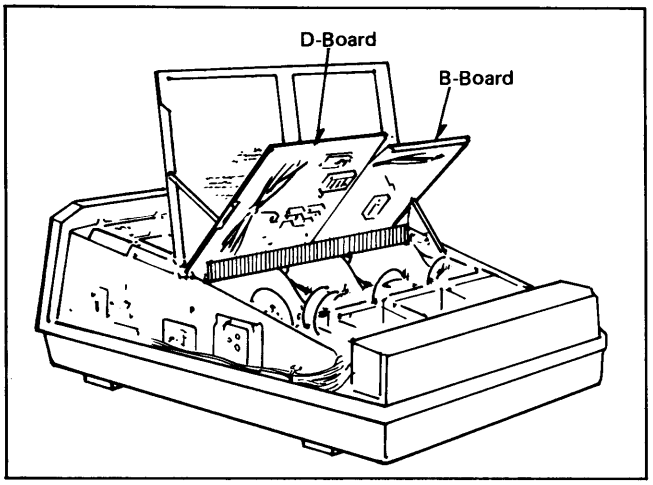


Fig. 7

2) "E"-Board

- Remove 1 screw Ⓘ, and remove the "E"-Board fixing metal as shown in Fig. 8.
- Then carefully pull and lift the "E"-Board for removal.

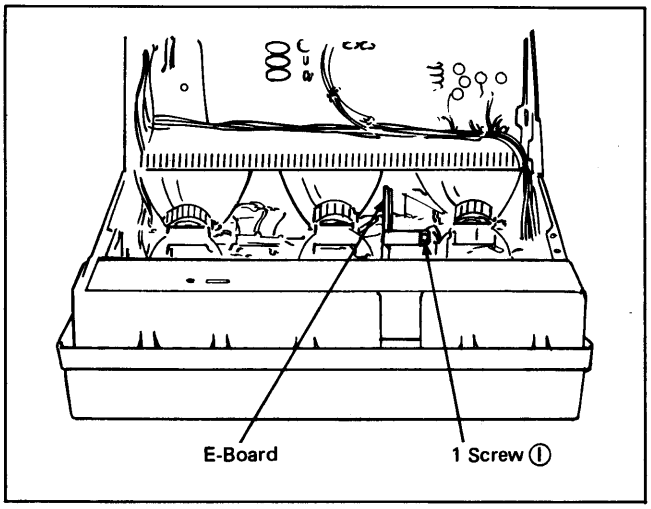


Fig. 8

3) "DF" and "VM"-Boards

- Remove 2 screws Ⓙ, and remove the fixing angle as shown in Fig. 9.
- Then carefully pull and lift the "DF" and "VM"-Board for removal.

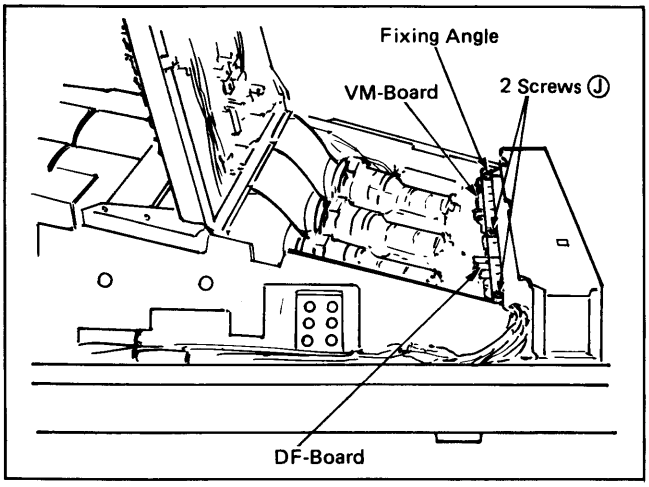


Fig. 9

4) "P1", "P2 and "P3"-Boards

- Remove 10 screws Ⓚ, and then carefully pull and lift the "P1", "P2" and "P3"-Boards with angle as shown in Fig. 10.

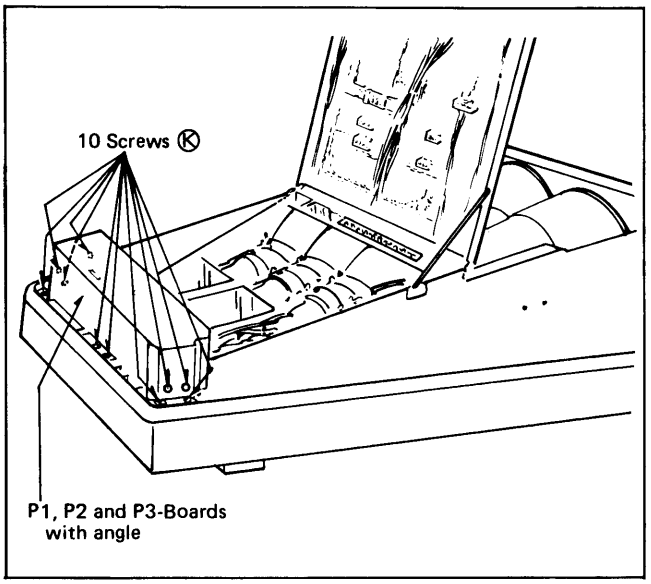


Fig. 10

5) "K" and "T"-Boards

- Remove the Front Panel.
- Remove 2 screws Ⓛ as shown in Fig. 12.
- Then remove the Terminal Panel.
- Remove 4 screws Ⓨ, and carefully slide the K/T-Boards case foward as indicated by the arrow ① in Fig. 11 and Fig. 12.
- Remove 2 screws Ⓜ, and remove the shield cover as shown in Fig. 12.
- Remove 7 screws Ⓝ, and remove the "K"-Board as shown in Fig. 13.
- Remove 6 screws Ⓞ, and remove the "T"-Board as shown in Fig. 13.

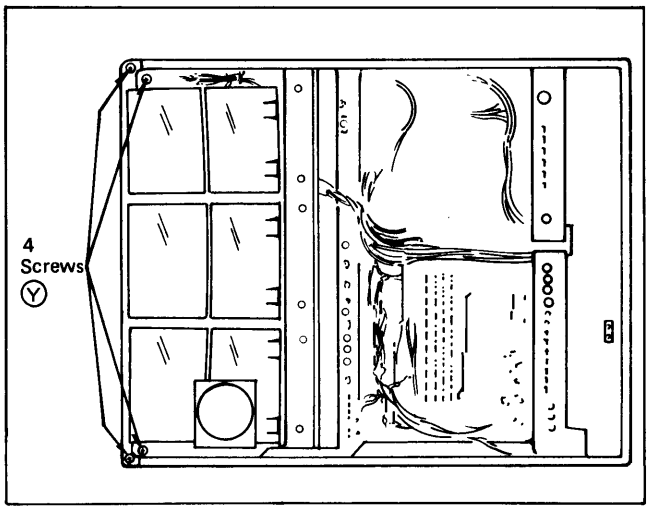


Fig. 11

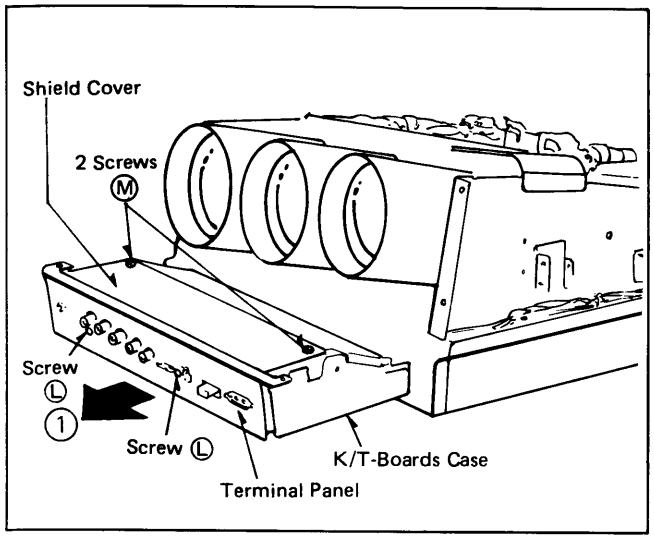


Fig. 12

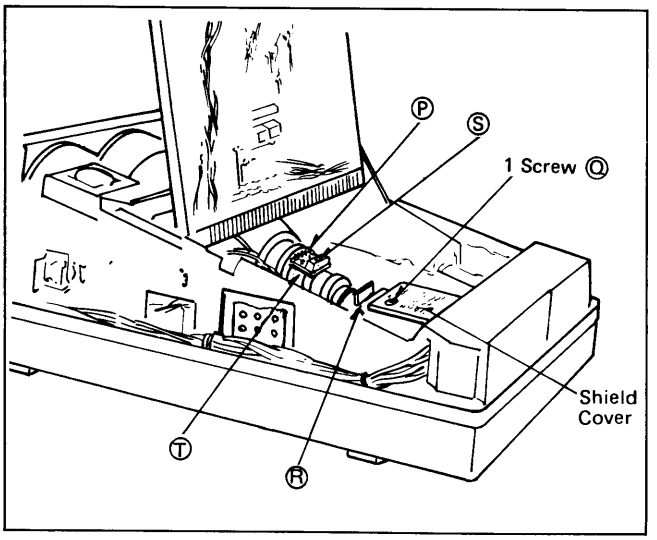


Fig. 14

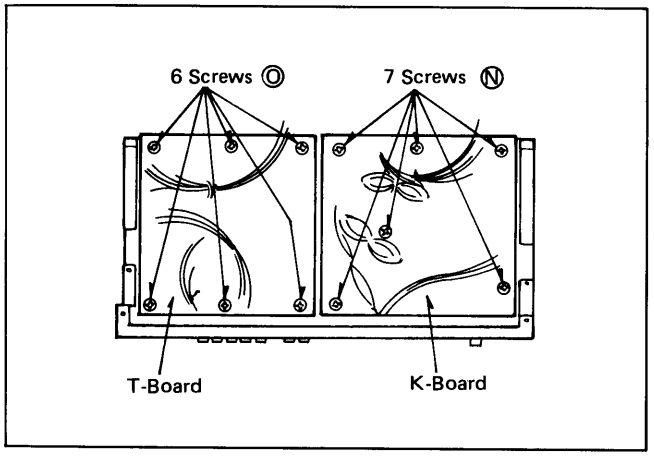


Fig. 13

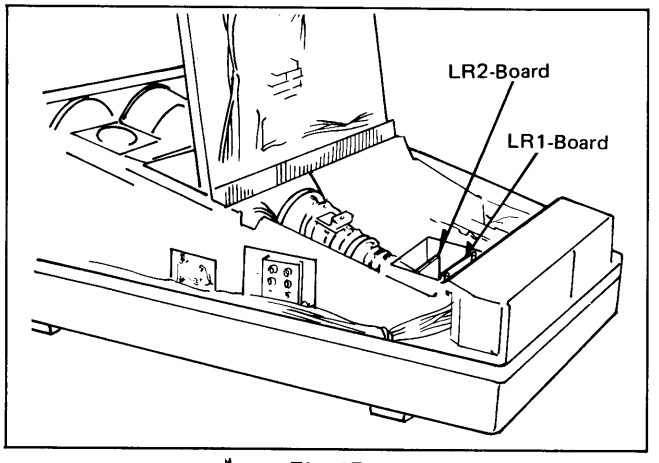


Fig. 15

4. HOW TO REMOVE THE PROJECTOR TUBE WITH LENS UNIT (WHEN RED)

1) Remove the Front Panel as shown in Fig. 3 and Fig. 4. (Remove 6 screws Ⓑ and 3 screws Ⓒ)
2) Remove the Terminal Panel.
3) Pull out the K/T-Boards case.
4) Remove the anode lead Ⓟ from the high voltage distributor as shown in Fig. 14.
5) Remove 1 screw Ⓠ, and remove the shield cover as shown in Fig. 14.
6) Remove the LR1/LR2-Board as shown in Fig. 15.
7) Remove the screw for VM coil and remove the VM coil Ⓡ as shown in Fig. 14.
8) Remove the screw from the deflection coil Ⓢ and draw out the deflection coil Ⓣ as shown in Fig. 14.
9) Remove the grounding lead from the tube.
10) Remove 4 screws Ⓤ as shown in Fig. 16.
11) Carefully slide the Projector Tube with Lens Unit in the direction of arrow ① as shown in Fig. 16.

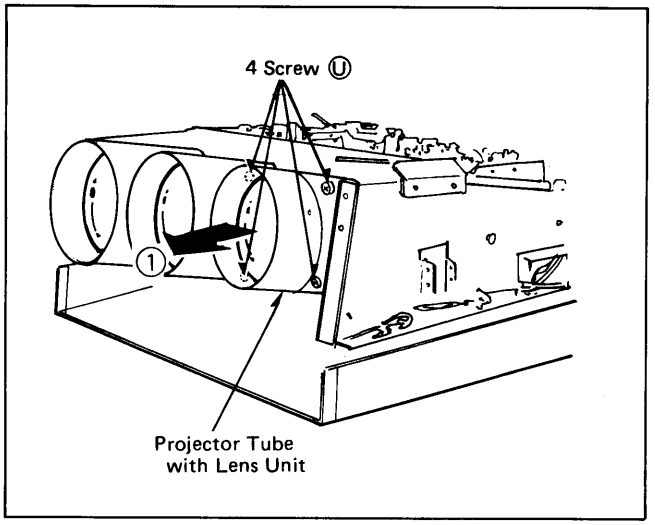
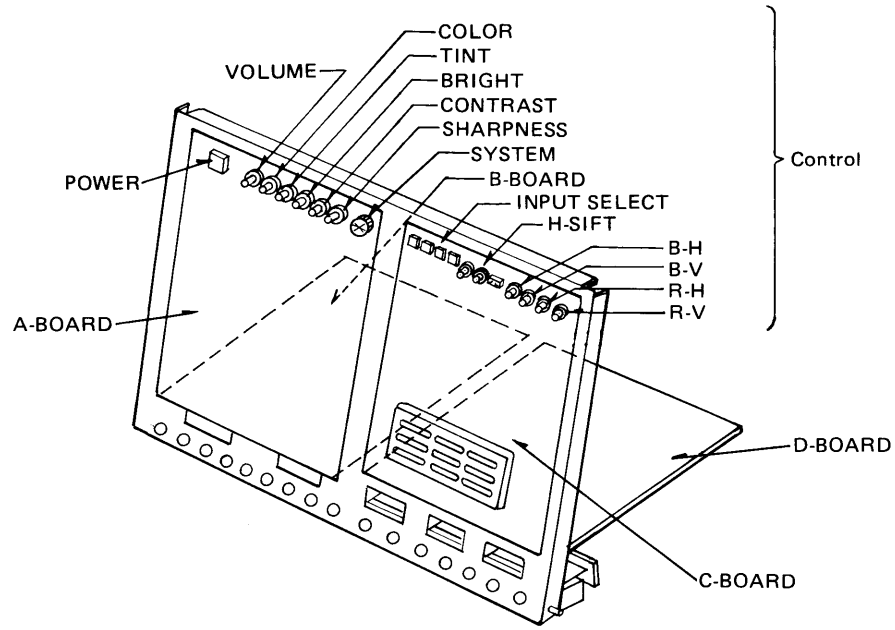


Fig. 16

MAIN PARTS LOCATION CHART



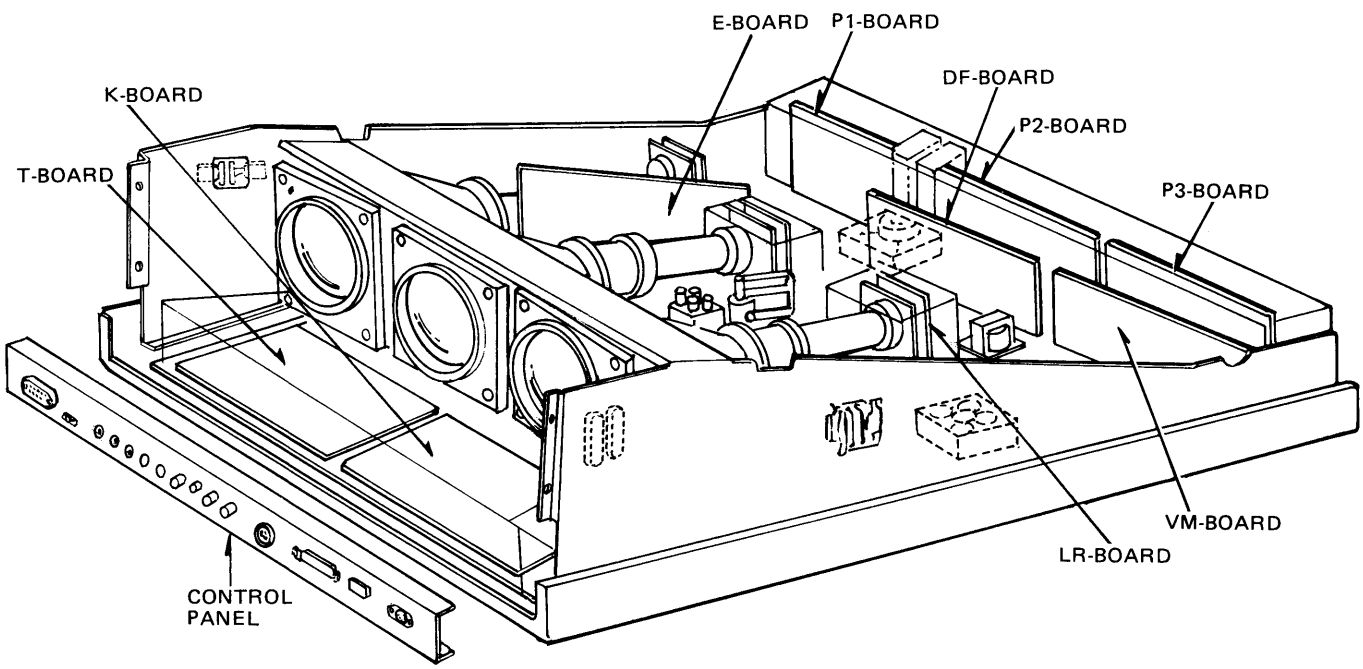


Fig. 17

CAUTIONS FOR SERVICING

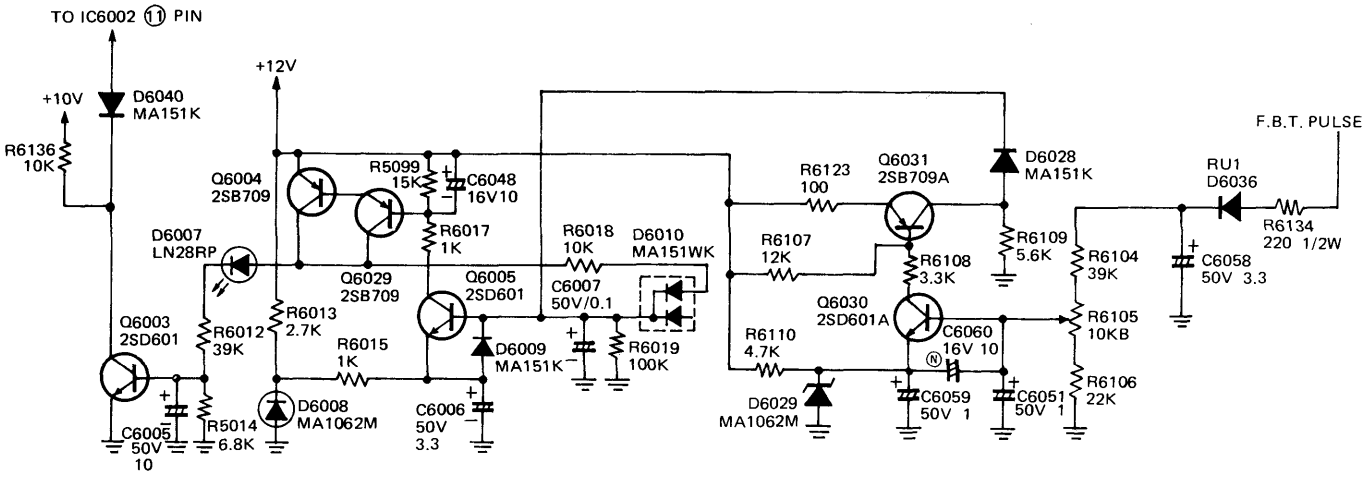
HORIZONTAL OSC. DISABLE CIRCUIT TEST

This test must be made as a final check before the set is returned to the customer.

1. With the chassis case removed, supply a nominal 120V AC to the set, turn on the set.
2. Set the customer controls to normal operating positions.
3. Turn the TEST ON/OFF to ON position.
4. Turn the TEST PATTERN SW on C-PCB to VIDEO position. Connect the + side of DC voltmeter to + side of C6045 and the – side to TPE5 (GND).
5. Short the C6008 with a jumper wire.
6. Short the R6104 with a jumper wire.
   Confirm vanish the high voltage, and raster stop, and 120V ± 10V on the voltmeter, and LED D6007 lighting.
7. If this does not occur, the Horizontal Osc. Disable Circuit is not operating. Follow the Horizontal Osc. Disable Circuit Repair Procedures before the set is returned to the customer.

REPAIR PROCEDURES OF THE HORIZONTAL OSCILLATOR DISABLE CIRCUIT

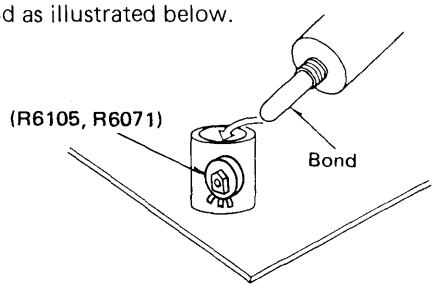
1. Connect a DC voltmeter between Capacitor C6058 + on the E-P.C.B. and chassis ground. If nearly 15V is not present on that point find the cause. Check R6134, D6036, C6058, R6104, R6105 and R6106.
2. Connect the + side of DC voltmeter to collector of Q6003 and the – side to TPE5 (GND). The collector of Q6003 potential varies from nearly 10V to nearly 0.2V when shorting R6104. If this does not occur, check C6051, C6060, C6059, Q6030, R6108, D6029, R6110, Q6031, R6123, R6109, D6028, C6007, R6019, D6010, R6018, D6009, C6006, Q6005, R6015, R6017, R6099, C6048, Q6029, Q6004, D6008, R6013, D6007, R6012, R6014, C6005, R6107 and Q6003.
3. Carefully check the above specified parts and related circuits and parts.
   When the circuit is repaired, try the Horizontal Osc. Disable Circuit Test again.
4. In case that at least one of R6014, R6105, R6106, D6029 and the FBT is replaced, follow Adjustment Procedure of Horizontal Osc. Disable Circuit as follows.



ADJUSTMENT PROCEDURE OF THE HORIZONTAL OSCILLATOR DISABLE CIRCUIT

Replace R6105 (Protector 2 Adj.) and R6071 (HV Adj.) before this adjustment. R6105 (Protector 2 Adj.) and R6071 (HV Adj.) are manufactures specified parts only.

1. Set the following controls at the positions indicated.
   Input Signal Selector SW (S7003) . . . . . LINE
   TV-System Selector SW (S4002) . . . . . AUTO
   R6071 (HV Adj.) . . . . . Fully Counter-clockwise
   R6105 (Protector 2 Adj.) . . . Fully Counter-clockwise
   Connect the + (positive) side of DC voltmeter to **TPE1** and – (negative) side to **TPE2** on E-Board.
2. Connect the high voltage meter to anode lead of the distributer as shown in Fig. 18.
3. Turn on the Power Switch, and receive a monoscope pattern signal.
4. Connect a short jumper between **TPB17** and **TPB18** on B-Board and between **TPE12** and **TPE5**.
5. Adjust R6071 (HV Adj.) the Brightness control and the Contrast control to obtain (34.5kV ± 0.3 kV) on the high voltage meter, and obtain (1.5V ± 0.05V) on the voltage meter.
   CAUTION:
   Use only a Static Type of High Voltage Meter which has a 5% tolerence at 40 kV.
6. Adjust R6105 (Protector 2 Adj.) slowly clockwise until shut-down occurs and hold that position.
7. Turn off the power switch.
8. Adjust R6071 (HV Adj.) slightly counter-clockwise.
9. Turn on the power switch.
10. Adjust R6071 (HV Adj.) slowly clockwise until shut-down occurs High Voltage should be 34.5 kV ± 0.5 kV, and 1.5V ± 0.05V on the voltage meter just before shut-down.
11. If the readings in step 10 are not confirmed, repeat steps 5 to 10.
12. Turn off the power switch.
13. Disconnect the short jumper between **TPB17** and **TPB18** and between **TPE12** and **TPE5**.
14. Turn on the power switch, and confirm that the high voltage is 32.0 kV ± 0.5 kV.
15. Confirm that the high voltage does not change by turning the Brightness and Contrast controls.
16. Fix R6105 (Protector 2 Adj.) and R6071 (HV Adj.) with bond as illustrated below.



DISCONNECTION OF ANODE LEAD FROM THE DISTRIBUTER AND CONNECTION OF HIGH VOLTAGE METER.

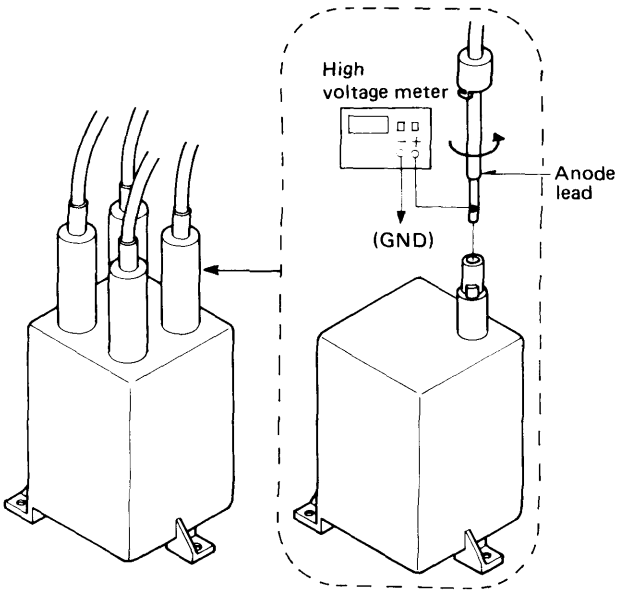


Fig. 18

X-RAY PRECAUTIONS

The front area (between the projection tube and the lens.) is enclosed by a metal box to ensure positive safety during abnormal and normal conditions when checking and doing repair work. To fully ensure safety, however, the following precautions must be observed.

(1) Do not remove the lens.
(2) Be sure to turn OFF the power when the lens must be removed and when you could be exposed to X-rays during cleaning and other routine servicing.
(3) Do not remove the lens to check the projection tube for operation by watching it directly.
(4) Do not remove the LEAD TAPE on the CRTs.
(5) Do not remove the METAL COVER on the CRTs.

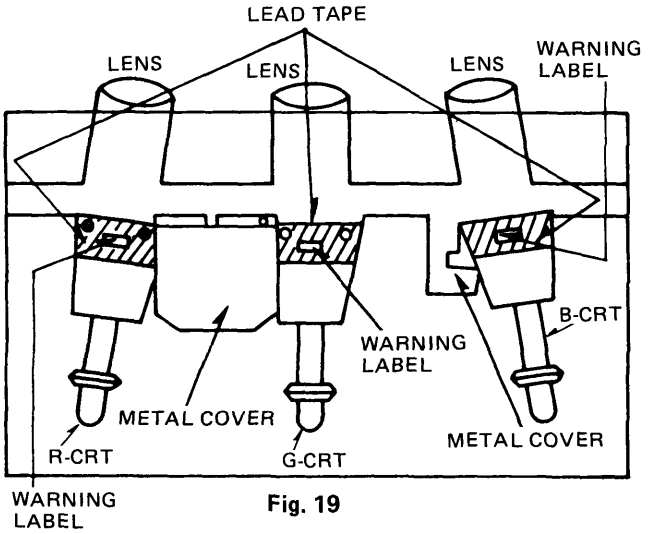


Fig. 19

FIELD ADJUSTMENTS

Note 1: 1. When a screwdriver is needed during adjustment, use a non-metallic screwdriver to prevent unexpected short-circuits.

2. Transformer core position. (Application for both Field Adjustment and General Alignment.) Unless otherwise noted, a transformer core which has two tuning peak points should be adjusted at the lower position as shown in Fig. 20.

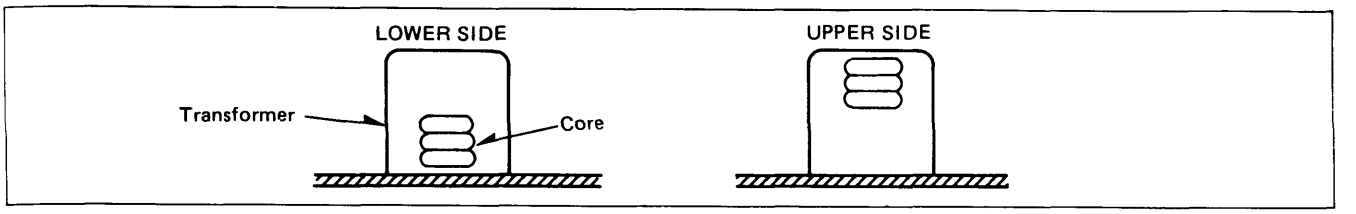


Fig. 20

Note 2: 1. Color video projector are badly affected by magnetic fields. All efforts must be made to keep transformers, iron plates, or anything else likely to distort the magnetic field well away from a color video projector.
If magnetic influence is expected, steps should be taken to eliminate the magnetic field.

2. Input signals should be 1Vp-p video signal, 0.3V synchronizing signal, standard (−10 dB) audio signal or 0.7Vp-p RGB signals with positive polarity, 1Vp-p 3 dB H. V. synchronizing signal with negative polarity.

1. DC VOLTAGE CONFIRMATION

1-1. PI-Board

1) Set the following controls to the positions indicated.
Brightness control VR (R4440) . . . . . Minimum
Contrast control VR (R4441) . . . . . Minimum
Input Signal Selector SW (S7003) . . . . . LINE
Test SW (S7006) . . . . . ON
Test Pattern SW (S7005) . . . . . .VIDEO
Test Pattern SW (S7004) . . . . . .Cross-hatch Pattern
2) Connect a DC voltmeter between each Test Point and chassis ground.
3) Check below for the indicated test points and their specified voltages. (See Table 1)

Test Points	Voltage
Pin ③ of connector E6	+210.0V ± 0.5V
Pin ① of connector C18	+16.3V ± 1.5V
Pin ① of connector B11	$-155V^{+30}_{-60}V$

Table 1

1-2. P2-Board

1) Set the following controls to the positions indicated.
Brightness control VR (R4440) . . . . . Minimum
Contrast control VR (R4441) . . . . . Minimum
Input Signal Selector SW (S7003) . . . . . LINE
Test SW (S7006) . . . . . ON
Test Pattern SW (S7005) . . . . . .VIDEO
Test Pattern SW (S7004) . . . . . .Cross-hatch Pattern
2) Connect a DC voltmeter Between each Test Point and chassis ground.
3) Check below for the indicated test points and their specified voltages. (See Table 2)

Test Points	Voltage
LG3 side of R2112	+210V ± 0.5V
Pin ① of connector DF2	+600V ± 70V
Pin ④ of connector A7	+160V ± 5V
Pin ② of connector A7	+15.5V ± 1V
TLG2	+6.3V ± 0.3V
Pin ③ of connector A6	+119V ± 5V

Table 2

1-3. P3-Board

1) Set the following controls to the positions indicated.
   Brightness control VR (R4440) . . . . . Minimum
   Contrast control VR (R4441) . . . . . Minimum
   Input Signal Selector SW (S7003) . . . . . LINE
   Test SW (S7006) . . . . . ON
   Test Pattern SW (S7005) . . . . . .VIDEO
   Test Pattern SW (S7004) . . . . . .Cross-hatch Pattern
2) Connect a DC voltmeter between each Test Point and chassis ground.
3) Check below for the indicated test points and their specified voltages. (See Table 3)

Test Points	Voltage
Pin ④ of connector D8	+116V ± 2.5V
Pin ① of connector C1	+8.5V ± 1V
Pin ② of connector C1	+30V ± 2V
Pin ③ of connector C1	−9.5V ± 1V
Pin ⑥ of connector C1	−28.5V ± 1.5V
Pin ② of connector D8	+15.5V ± 1V

Table 3

2. DEFLECTION CIRCUIT ADJUSTMENT

2-1. Synchronizing Adjustment

1) Set the following switches to the positions indicated.
   RGB1 H. Size Adj. VR (R5113) . . . . . Center
   RGB2 H. Size Adj. VR (R5120) . . . . . Center
   Video H. Size Adj. VR (R5116) . . . . . Center
   NTSC H. Hold Adj. VR (R5220) . . . . . Center
   PAL/SECAM H. Hold Adj. VR (R5221) . . . . . Center
   Sub Delay Adj. VR (R5015) . . . . . Center
   Sync. Adj. VR (R5016) . . . . . Center
   RGB Sync. Adj. VR (R5005) . . . . . Center
   Pulse Duty Adj. VR (R5163) . . . . . Center
   Deflection Current Adj. VR (R5168) . . . . . Center
2) Remove the connector E6.
3) Supply a Phillips pattern signal to LINE terminal.
4) Supply an RGB signal (fH = 15.75 kHz, fV = 60 Hz) to RGB1 terminal.
5) Connect a CH1 of oscilloscope to Pin ④ of connector D6 and GND.
6) Connect a CH2 of oscilloscope to **TPD3** and GND.
7) Connect a frequency counter to the collector of Transistor (Q5019) and GND.
8) Connect a DC voltmeter to **TPD11** and **TPD7** (GND).
9) Set the Input Signal Selector SW (S7003) to LINE position.
10) Set the power SW (S4001) to ON position.
11) Adjust PAL/SECAM H. Hold Adj. VR (R5221) so that the signals of CH1 and CH2 are synchronized.
12) Confirm that the current value is about 10Ap-p.
13) Set the power SW (S4001) to OFF position.
14) Supply a monoscope pattern signal (NTSC) to LINE terminal.
15) Set the power SW (S4001) to ON position.
16) Adjust NTSC H. Hold Adj. VR (R5220) so that the signals of CH1 and CH2 are synchronized.
17) Confirm that the current value is about 10Ap-p.
18) Set the Input Signal Selector SW (S7003) to RGB1 position.
19) Adjust Sync. Adj. VR (R5005) so that the signals on CH1 and CH2 are synchronized.
20) Adjust Sub Delay Adj. VR (R5015) to achieve waveform at **TPD3** as shown in Fig. 21.

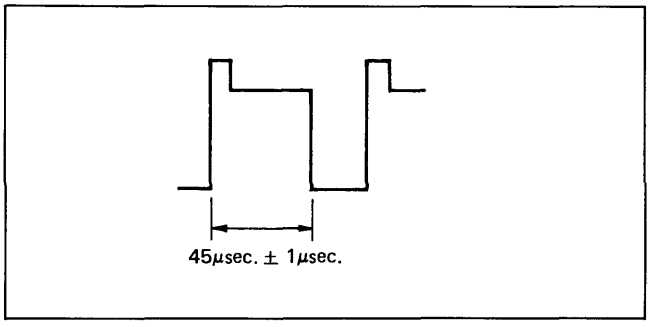


Fig. 21

21) Disconnect the oscilloscope from Pin ④ of connector D6 and connect the oscilloscope to **TPD1**.
22) With the oscilloscope reading on CH1, adjust the time axis and level position so that the pulse width of the high part of the CH1 signal is 9 marks up the scale as shown in Fig. 22.
23) Connect a CH2 of oscilloscope to **TPD2**.
    With the oscilloscope reading CH2, adjust RGB Sync. Adj. VR (R5005) to achieve waveform of **TPD3** as shown in Fig. 23.

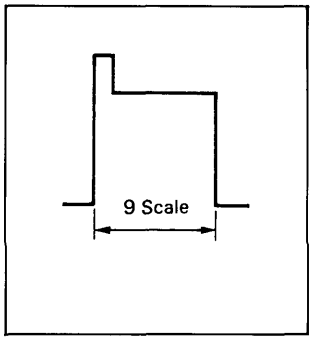


Fig. 22

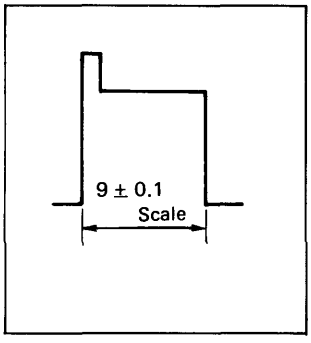


Fig. 23

24) Connect a short jumper between TPD4 and TPD7 (GND).
25) Turn R5023 fully clockwise, and then confirm that about 16 kHz the value indicated on the frequency counter.
26) Adjust Sync. Adj. VR (R5016) so that the signals of CH1 and CH2 are synchronized.
(Synchronization is readily achieved if R5016 is adjusted so that the frequency counter displays 15.75 kHz.)
27) Disconnect a short jumper between TPD4 and TPD7 (GND).
28) Confirm that the signals of CH1 and CH2 are synchronized.
29) Turn R5023 fully counterclockwise.
30) Set the Input Signal Selector SW (S7003) to RGB2 position, and then confirm that the value indicated on the frequency counter is about 24 kHz.
31) Adjust R5023 so that the frequency becomes 15.5 ± 0.1 kHz.
32) Set the Input Signal Selector SW (S7003) to RGB1 position.
33) Confirm that the signals of CH1 and CH2 are synchronized.

2-2. *Drive Duty Adjustment*

1) Supply a monoscope pattern signal to LINE IN terminal.
2) Set the Input Signal Selector SW (S7003) to LINE position.
3) Set the power SW (S4001) to ON position.
4) Connect an oscilloscope to TPD9 and GND.
5) Adjust Pulse Duty Adj. VR (R5163) to achieve waveform of TPD9 as shown in Fig. 24.

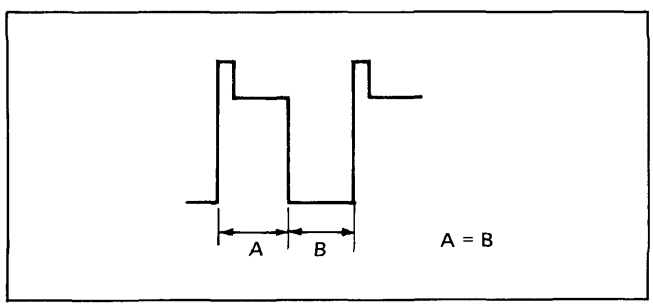


Fig. 24

2-3. H. Size Adjustment

1) Supply a monoscope pattern signal to LINE IN temrinal.
2) Set the Input Signal Selector SW (S7003) to LINE position.
3) Set the power SW (S4001) to ON position.
4) Connect a DC voltmeter between TPD11 and TPD7, and adjust R5236 so that the value becomes 52V ± 0.3V.
5) Turn VIDEO H. Size Adj. VR (R5116) fully clockwise.
6) Connect a DC voltmeter between TPD13 and TPD7.
7) Adjust R5168 so that the value becomes 43.5V ± 0.2V.
8) Adjust VIDEO H. Size Adj. VR (R5116) so that the value becomes 41V ± 0.3V.

2-4. Keystone Circuit Adjustment

1) Supply a monoscope pattern signal to LINE IN terminal.
2) Set the Input Signal Selector SW (S7003) to LINE position.
3) Connect a DC voltmeter to TPD12 and TPD7.
4) Adjust Keystone control VR (R5259) so that the value becomes 2.7V ± 0.1V.

2-5. *Vertical Sync. Adjustment*

1) Set the TV-System Selector SW (S4002) to AUTO position.
2) Connect a frequency counter to Pin ⑫ of IC4702.
3) Supply a monoscope pattern signal (NTSC) to LINE IN terminal and set the Input Signal Selector SW (S7003) to VIDEO position.
4) Adjust V. Sync. Adj. VR (R4716) to obtain vertical synchronization.
5) Supply a Phillips pattern signal to LINE IN terminal and set Input Signal Selector SW (S7003) to VIDEO position.
6) Adjust PAL V. Sync. Adj. VR (R4714) to obtain vertical synchronization.
7) Supply an RGB1 signal (fH = 37 kHz, fV = 40 Hz) to RGB1 terminal and set the Input Signal Selector SW (S7003) to RGB1 position.
8) Confirm that vertical synchronization has been obtained.
9) Supply an RGB1 signal (fH = 15 kHz, fV = 40 Hz) to RGB1 terminal and set the Input Signal Selector SW (S7003) to RGB1 position.
10) Confirm that vertical synchronization has been obtained.
11) Insert the connector E6.

3. HIGH VOLTAGE CIRCUIT ADJUSTMENT

3-1. High Voltage Drive Preadjustment

1) Disconnect the connector E4 (FBT).
2) Supply an RGB signal (fH = 15 kHz, fV = 50 Hz) to RGB1 terminal.
3) Connect an oscilloscope between **TPE9** and **TPE5** .
4) Adjust VR (R6048) to achieve waveform as shown in Fig. 25-1.
5) Insert the connector E4.

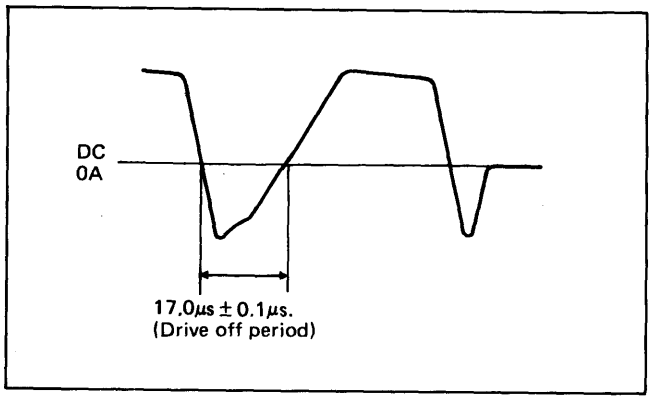


Fig. 25-1

3-2. High Voltage Chopper Drive Adjustment

1) Remove the connector E2 (EHT OUT TR).
2) Connect a dummy resistor (300Ω, 100W) to **TPE6** and **TPE5** (GND).
3) Connect the ⊕ side of DC voltmeter to **TPE6** and the ⊖ side of DC voltmeter to **TPE5** (GND).
4) Supply a monoscope pattern signal to LINE IN terminal.
5) Adjust Chopper Drive Adj. VR (R6041) so that the value at **TPE6** becomes 110V ± 1V.
6) Insert the connector E2.

3-3. Power Limiter Adjustment

1) Set the following controls to the positions indicated.
   Contrast VR (R4441). . . . . Maximum
   Brightness VR (R4440) . . . . . Maximum
2) Connect the ⊕ side of DC current-meter to Pin ③ of connector P12 and the ⊖side of DC current-meter to Pin ③ of connector E6.
3) Connect the ⊕ side of DC voltmeter to TPD1 and the ⊖ side of DC voltmeter to TPD2 .
4) Supply a monoscope pattern signal to LINE IN terminal.
5) Confirm that the value on the DC voltmeter becomes 1.5V ± 0.1V.
6) Adjust power limiter Adj. VR (R6118) so that the value of DC current-meter becomes 0.43A ± 0.05A.

3-4. High Voltage Drive Adjustment

1) Set the following controls to the position indicated.
   Contrast VR (R4441). . . . . Minimum
   Brightness VR (R4440) . . . . . Minimum
2) Connect a CH1 of oscilloscope (100 : 1) to D6005 (cathode) and **TPE5** (GND).
3) Connect a CH2 of oscilloscope (10 : 1) to **TPE9** and **TPE5** (GND).
4) Supply a RGB1 signal (fH = 37 kHz) to RGB1 terminal and set the input signal selector SW (S7003) to RGB1 position.
5) Set the power SW (S4001) to ON position.
6) Adjust the R6048 so that the phase of waveform (CH1 and CH2) as shown in Fig. 25-2.
7) Fix R6118 with bond.

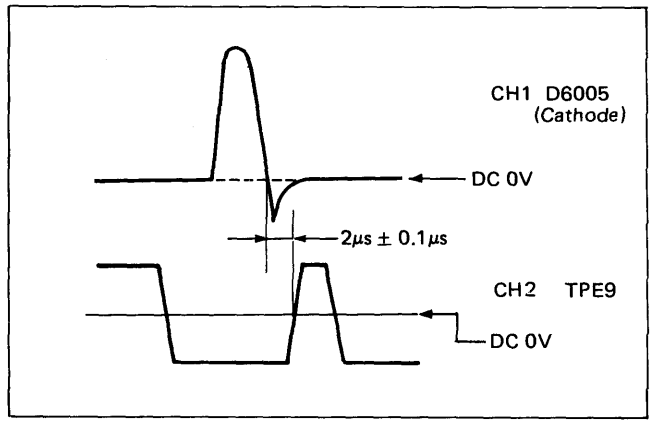


Fig. 25-2

4. DEFLECTION COIL ANGLE ADJUSTMENT

Note: Before making this adjustment, lens Focus adjustment must be completed.

1) Set the following controls and switches to the positions indicated.
   Input Signal Selector SW (S7003). . . . . LINE
   TV-System Selector SW (S4002) . . . . . AUTO
   Brightness VR (R4440) . . . . . .Clip stop
   Contrast VR (R4441). . . . . .Maximum
   Static Convergence VR
   (R7344, 7345, 7350, 7351). . . . . Center
   Dynamic Convergence VR
   (R7225, 7243, 7244, 7245, 7246, 7247, 7248, 7249, R7250, 7252, 7253, 7269, 7270, 7271, 7272, 7273, R7274, 7275, 7276, 7277, 7280, 7281, 7282, 7283, R7299, 7300, 7301, 7302, 7303, 7304, 7305, 7306, R7308, 7325, 7326, 7327, 7328, 7329, 7330, 7331, R7332, 7333, 7336, 7337, 7338, 7339, 7489) . . . . . Center
   Green H. Position Adj. VR (R7343) . . . . . Center
   Green Static Convergence Adj. VR (R7226). . . . Center
2) Supply a cross-hatch pattern signal from video tuner to LINE terminal.
3) Rotate the R.G.B. deflection coil so that a horizontal line in the center of an image projected on the screen is parallel with horizontal lines on the screen. Secure the coil in position.

5. CONVERGENCE CORRECT WAVEFORM ADJUSTMENT

1) Set the following controls and switches to the positions indicated.
   Input Signal Selector SW (S7003) RGB1
   TV-System Selector SW (S4002) . . . . . AUTO
   Brightness VR (R4440) . . . . . .Clip stop
   Contrast VR (R4441). . . . . .Maximum
   R.G.B. Static Convergence VR
   (R7205, 7206, 7207, 7224, 7226, 7227, 7251, 7278, R7279, 7307, 7334, 7335, 7443, 7497). . . . . Center
   Dynamic Convergence VR
   (R7225, 7243, 7244, 7245, 7246, 7247, 7248, 7249, R7250, 7252, 7253, 7269, 7270, 7271, 7272, 7273, 7274, R7275, 7276, 7277, 7280, 7281, 7272, 7283, 7299, R7300, 7301, 7302, 7303, 7304, 7305, 7306, 7308, R7309, 7325, 7326, 7327, 7328, 7329, 7330, 7331, R7332, 7333, 7336, 7337, 7338, 7339, 7489) . . . . . Center
2) Supply an NTSC cross-hatch pattern signal to LINE terminal.
3) Connect an oscilloscope to **TPC1** and GND.
4) Adjust H. Sawtooth Adj. VR (R7030) to achieve the waveform as shown in Fig. 26.

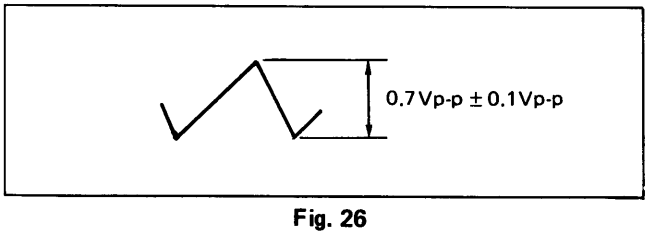


Fig. 26

5) Disconnect the oscilloscope from **TPC1**, and connect the oscilloscope to **TPC2**.
6) Adjust H. Para. waveform Adj. VR (R7055) to achieve waveform as shown in Fig. 27.

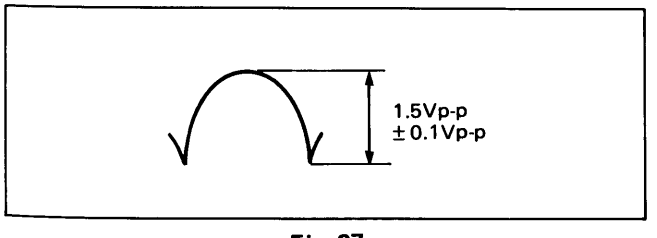


Fig. 27

7) Disconnect the oscilloscope from **TPC2** and connect the oscilloscope to Pin ⑧ of connector C16.
8) Confirm that V. Sawtooth becomes 3.8Vp-p ± 0.6Vp-p.

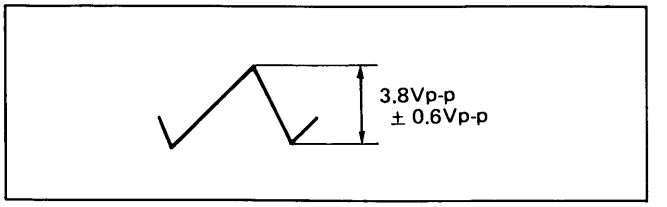


Fig. 28

9) Disconnect the oscilloscope from Pin ⑧ of connector C16, and connect the oscilloscope to Pin ⑤ of connector C16.
10) Adjust V. Para. waveform Adj. VR (R7192) so that the waveform becomes A = B as shown in Fig. 29.
11) Confirm that above waveform is A = B = 3.4Vp-p ± 0.6Vp-p.
12) Confirm that the bottom of the V. Para. is clamped to 0V.

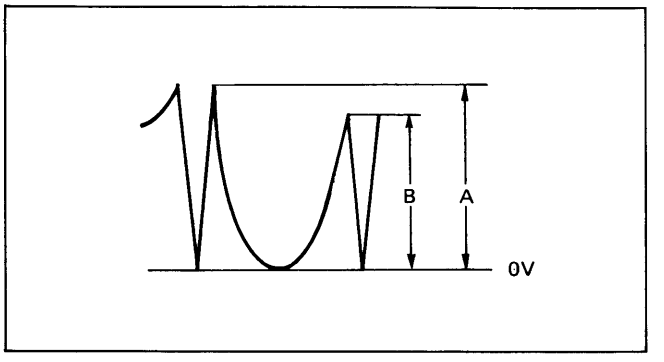


Fig. 29

13) Disconnect the oscilloscope from Pin ⑤ of connector C16, and connect the oscilloscope to **TPC3**.
14) Adjust H. Sawing waveform Adj. VR (R7483) so that the waveform is A = B as shown in Fig. 30.
15) Adjust V. Sawing waveform Adj. VR (R7485) so that the waveform is C = D = 0.7Vp-p ± 0.2Vp-p as shown in Fig. 30.

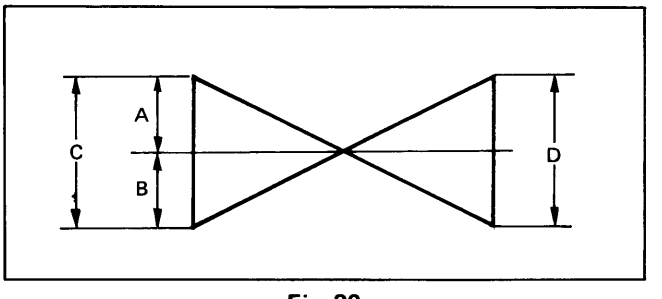


Fig. 30

16) Disconnect the oscilloscope from **TPC3**, and connect the oscilloscope to **TPC4**.
17) Adjust H. Para waveform Adj. VR (R7484) so that the waveform A = B as shown in Fig. 31.
18) Confirm that the waveform C = D = 1.5Vp-p ± 0.3Vp-p as shown in Fig. 31.

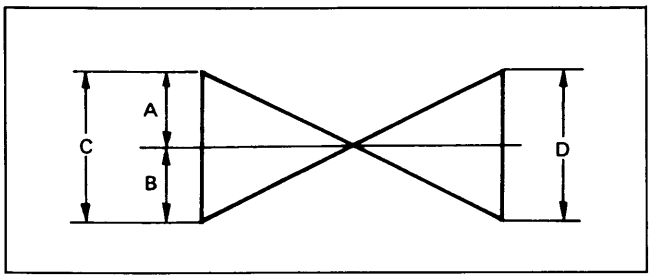


Fig. 31

6. HIGH VOLTAGE ADJUSTMENT

1) Supply an RGB signal (fH = 15 kHz, fV = 50 Hz) to RGB1 terminal.
2) Connect a high voltage meter to high voltage distributor.
3) Adjust High Voltage Adj. VR (R6071) so that the high voltage meter becomes 32 kV ± 0.5 kV.
4) Supply an RGB signal (fH = 37 kHz, fV = 100 Hz) to RGB1 terminal.
5) Confirm that the high voltage meter becomes 32 kV ± 0.5 kV.
6) Supply an monoscope pattern signal to LINE IN terminal and set the Input Signal Selector SW (S7003) to LINE position.
7) Turn the contrast VR (R4441) and Brightness VR (R4440) to maximum.
8) And then, confirm that the high voltage meter reads 32 kV $^{+0.5}_{-1.0}$ kV.
9) Fix R6017 with silicon bond.

7. COMB FILTER ADJUSTMENT

1) Set the following switch to the position indicated.
   Input Signal Selector SW (S7003). . . . . .VIDEO
2) Input a color bar signal from RF unit output to LINE terminal.
3) Adjust Comb Filter Adj. VR (R4018) to set 3.58 MHz sub carrier at the minimum amplitude.
4) Adjust L4003 to set 3.58 MHz sub carrier to the minimum amplitude as shown in Fig. 32.
5) Repeat steps (3) and (4) several times.

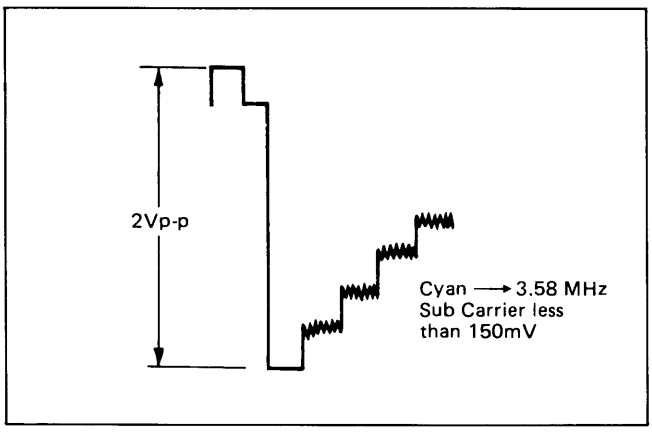


Fig. 32

8. SUB CONTRAST ADJUSTMENT (A-Board)

1) Set the following controls to the positions indicated.
   Color control VR (R4443) . . . . . Minimum
   Sub contrast VR (R4088) . . . . . Center
2) Receive a color bar signal.
3) Connect an oscilloscope between **TPA25** and **TPA31** (GND).
4) Adjust Sub Contrast VR (R4088) to achieve 0.7V ± 0.05V on the oscilloscope as shown in Fig. 33.

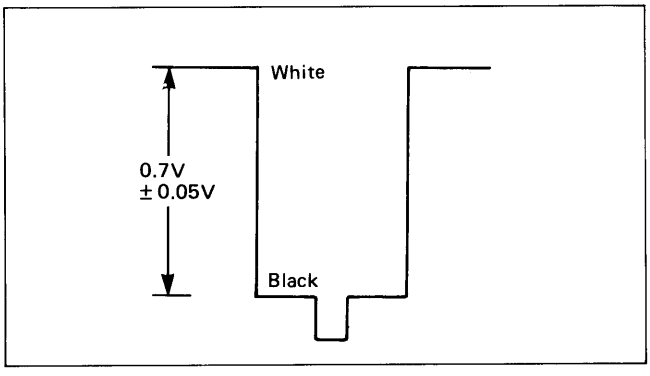


Fig. 33

9. PAL APC ADJUSTMENT

1) Set the following controls to the positions indicated.
   Color control VR (R4443) . . . . . Maximum
   R4247 (SECAM DL ADJ.) . . . . . Center
2) Supply a PAL color bar signal and set the TV System Selector SW (S4002) to the PAL position.
3) Connect an oscilloscope between TPA27 and chassis earth.
4) Adjust PAL APL ADJ. VR (R4231) to achieve waveform shown in Fig. 34.

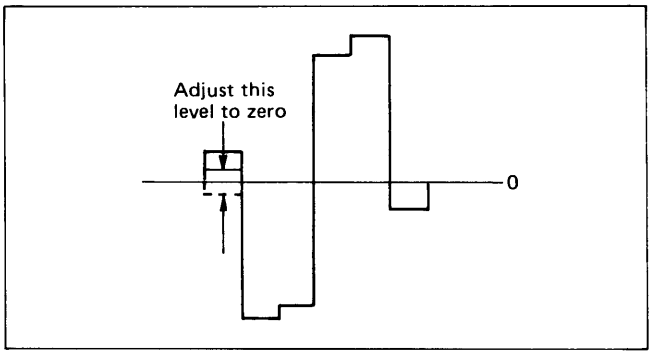


Fig. 34

10. PAL DELAY LINE ADJUSTMENT

1) Set the following control to the position indicated.
   Color control VR (R4443) . . . . . Maximum
2) Supply a PAL color bar signal and set the TV System Selector SW (S4002) to the PAL position.
3) Connect an oscilloscope between **TPA32** and chassis earth.
4) Adjust Delay Line Adj. VR (R4239) and Delay Line Matching Trans. (L4217) to achieve waveform shown in Fig. 35.

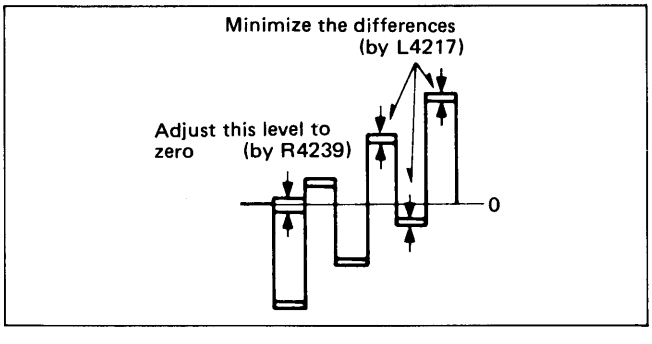


Fig. 35

11. PAL COLOR OUTPUT ADJUSTMENT

1) Set the following control to the position indicated.
   Color control VR (R4443) . . . . . Maximum
2) Supply a PAL color bar signal and set the TV System Selector SW (S4002) to the PAL position.
3) Connect an oscilloscope between **TPA32** and chassis earth. Adjust Sub color VR (R4237) to achieve 1.8V ± 0.1Vp-p on the oscilloscope as shown in Fig. 36.
4) Connect an oscilloscope between **TPA27** and chassis earth. Confirm that the waveform level is 2.2V ± 0.5Vp-p on the oscilloscope.

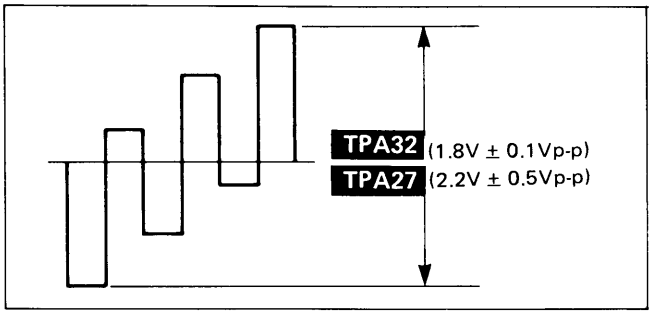


Fig. 36

12. NTSC APC ADJUSTMENT

Note: Before making this adjustment, PAL APC adjustment must be completed.

1) Set the following control to the positions indicated.
   Color control VR (R4443) . . . . . Maximum
   Tint VR (R4442) . . . . . Fully clockwise
2) Supply a PAL color bar signal and set the TV System Selector SW (S4002) to the PAL position.
3) Connect an electronic voltmeter to **TPA6** and memorize indication of the electronic voltmeter.
4) Change the PAL color bar pattern into an NTSC rainbow color bar pattern and set TV System Selector SW (S4002) to the NTSC position.
5) Adjust C4214 to obtain the value specified in step (3) within a tolerance ± 0.1V.

13. NTSC COLOR OUTPUT ADJUSTMENT

1) Set the following control to the positions indicated.
   Color control VR (R4443) . . . . . Maximum
   Tint VR (R4442) . . . . . Fully clockwise
2) Supply an NTSC rainbow color bar signal and set the TV System Selector SW (S4002) to the NTSC position.
3) Connect an oscilloscope between **TPA32** (B-Output) and chassis earth. Confirm that the waveform level is 0.7V ± 0.2Vo-p on the oscilloscope.
4) Disconnect oscilloscope from **TPA32** (B-Output) and connect oscilloscope to **TPA27** (R-Output). Confirm that the waveform level is 0.6V ± 0.2Vo-p on the oscilloscope.
5) Disconnect oscilloscope from **TPA27** (R-Output) and connect oscilloscope to **TPA32** (B-Output).

6) Turn Tint control (R4442) and confirm that the variable range is more than 60°.

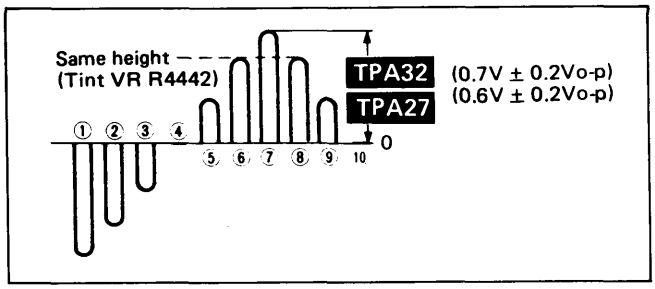


Fig. 37

14. M-NTSC COLOR OUTPUT

Note: Before making this adjustment, PAL APL adjustment must be completed.

1) Set the following control to the position indicated.
   Color control VR (R4443) . . . . . .Maximum
2) Supply an M-NTSC rainbow color bar signal and set the TV System Selector SW (S4002) to the M-NTSC position.
3) Connect an oscilloscope between TPA32 (B-Output) and chassis earth.
   Confirm that the waveform level is 0.6V ± 0.2Vo-p on the oscilloscope.
4) Disconnect oscilloscope from TPA32 (B-Output) and connect oscilloscope to TPA27 (R-Output).
   Confirm that the waveform level is 0.5V ± 0.2Vp-p on the oscilloscope.
5) Disconnect oscilloscope from TPA27 (R-Output) and connect oscilloscope to TPA32 (B-Output).
6) Turn Tint control (R4442) and confirm that the variable range is more than 60°.

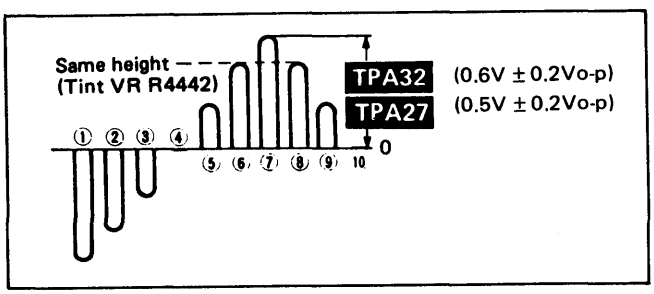


Fig. 38

15. SECAM DELAY LINE ADJUSTMENT

1) Set the following control to the position indicated.
   Color control VR (R4443) . . . . . .Maximum
   Adjust R-Y Gain (R4250) and B-Y Gain (R4263) controls as shown in Fig. 39.

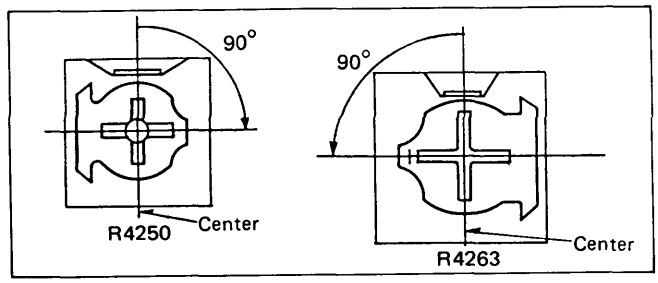


Fig. 39

2) Supply a SECAM color bar signal and set the TV System Selector SW (S4002) to the SECAM position.
3) Connect an oscilloscope between TPA32 (B-Output) and chassis earth.
4) Adjust Delay Line Adj. VR (R4247) and Delay Line Matching Trans. (L4214) to achieve waveform shown in Fig. 40.

Note: When (SECAM) color is not present, adjust L4216 *until color appears.*

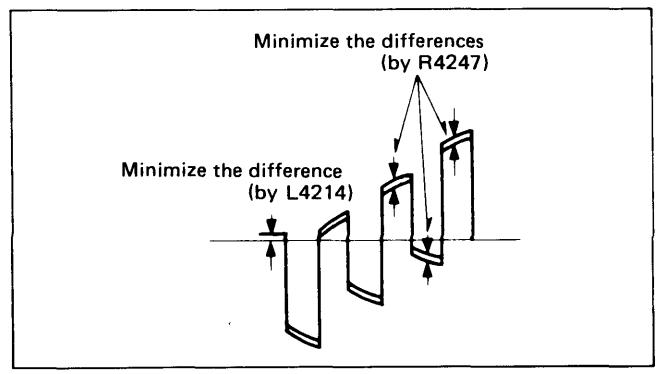


Fig. 40

16. BELL FILTER/LINE DISCRIMINATOR

1) Set the following control to the position indicated.
   Color control VR (R443) . . . . . .Maximum
2) Supply a SECAM color bar signal and set the TV System Selector SW (S4002) to the SECAM position.
3) Connect an oscilloscope between TPA32 (B-Output) and chassis earth.
4) Adjust L4219 to achieve waveform shown in Fig. 41.

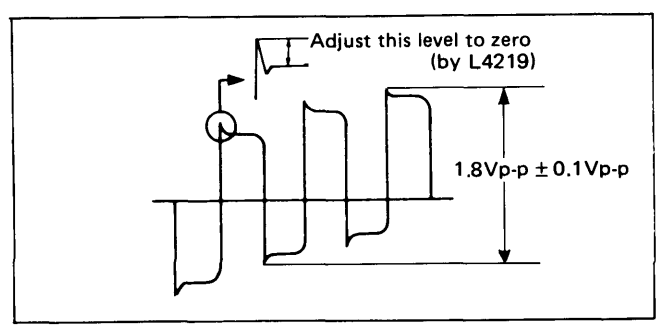


Fig. 41

17. SECAM LINE DISCRIMINATION CIRCUIT ADJUSTMENT

1) Connect a DC voltmeter between TPA8 and TPA31.
2) Supply a SECAM color bar signal and set the Input Signal Selector SW (S7003) to the SECAM position.
3) Adjust L4216 for minimum DC value.
4) Confirm that voltage value is less than 4.0V.
5) Confirm that color bar is normal.

18. SECAM COLOR OUTPUT ADJUSTMENT

1) Set the following control to the position indicated.
   Color control VR (R4443) . . . . . .Maximum
2) Supply a SECAM color bar signal.
3) Adjust R-Y Gain (R4250) and B-Y (R4263) controls as shown in Fig. 42.

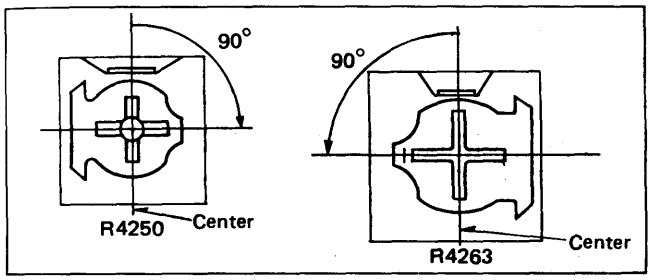


Fig. 42

4) Connect an oscilloscope between TPA32 (B-Output) and chassis earth.
5) Adjust R4263 and L4214 to achieve waveform as shown in Fig. 43.

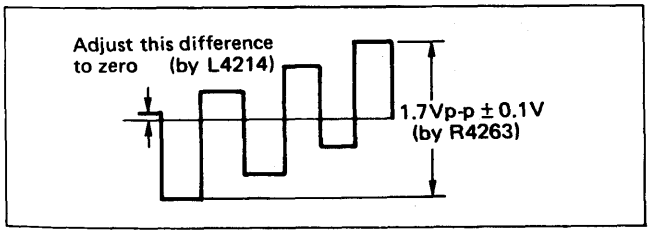


Fig. 43

6) Disconnect oscilloscope from TPA32 (B-Output) and connect oscilloscope to TPA27 (R-Output).
7) Adjust R4250 and L4211 to achieve waveform shown in Fig. 44.

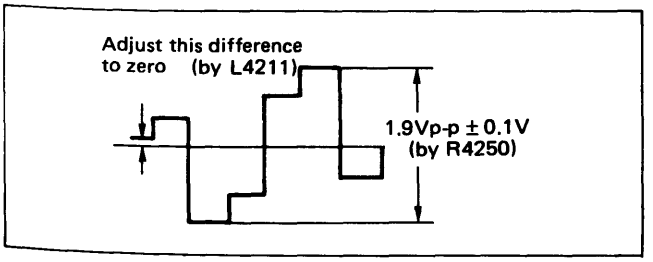


Fig. 44

19. HORIZONTAL CIRCUIT ADJUSTMENT

1) Supply a monoscope pattern signal (NTSC).
2) Set the Input Signal Selector SW (S7003) to LINE position.
3) Set the TEST SW (S7006) to ON position.
4) Connect a short jumper between TPD10 and TPD7.
5) Adjust the NTSC H. Hold control VR (R5220) to stabilize the picture.
6) Disconnect the jumper between TPD10 and TPD7.
7) Supply a Phillips pattern signal (PAL).
8) Connect the jumper between TPD10 and TPD7.
9) Adjust the PAL/SECAM H. Hold control VR (R5221) to stabilize the picture.
10) Disconnect the jumper between TPD10 and TPD7.

20. BLANKING ADJUSTMENT

1) Supply a monoscope pattern signal (NTSC) to LINE IN terminal.
2) Adjust NTSC H. BLK Adj. VR (R618) so that the H. BLK is symmetrical.
3) Adjust NTSC V. BLK Adj. VR (R562) so that the V. BLK is symmetrical from Top to bottom.
4) Supply a Phillips pattern signal to LINE IN terminal.
5) Confirm that the H. BLK is symmetrical.
6) Adjust PAL V. BLK Adj. VR (R560) so that the V. BLK is symmetrical from Top to bottom.
7) Supply an RGB signal (fH = 15.75 kHz, fV = 60 Hz) to RGB1 terminal.
8) Connect an oscilloscope to TPD8 and GND.
9) Adjust PAL V. BLK Adj. VR (R558) so that the V. BLK width becomes 0.6ms ± 0.01ms as shown in Fig. 45.

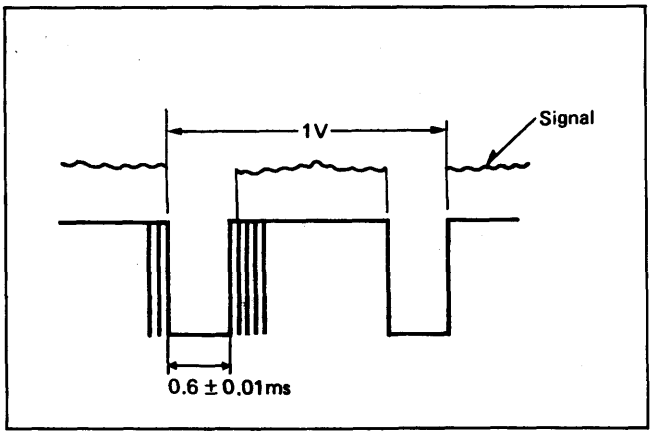


Fig. 45

21. VERTICAL LINEARITY ADJUSTMENT

1) Set the following controls and switches to the positions indicated.
   Input Signal Selector SW (S7003). . . . . LINE
   TV-System Selector SW (S4002) . . . . . AUTO
   Vertical Linearity control VR (R4767) . . . . . Center
2) Supply a monoscope pattern signal (NTSC) to LINE IN terminal.
3) Adjust NTSC V. Size control VR (R4726) to achieve a pattern height of 1884mm for the 120 inch size. (1130 mm for the 72 inch size.)
4) Adjust Vertical Linearity by R4767.

22. VERTICAL HEIGHT ADJUSTMENT

1) Set the following controls and switches to the position indicated.
   Input Signal Selector SW (S7003). . . . . LINE
   TV-System Selector SW (S4002) . . . . . AUTO
   PAL/SECAM V. Size control VR (R4723) . . . . . Center
   RGB2 V. Size control VR (R4724). . . . . Center
   RGB1 V. Size control VR (R4725). . . . . Center

2) VIDEO MODE
   1. Supply a Phillips pattern signal (PAL).
   2. Adjust the PAL/SECAM V. Size control VR (R4723) to achieve a pattern height of 1884mm for the 120 inch size. (1130mm for the 72 inch size.)
3) RGB1 MODE
   1. Set the Input Signal Selector SW (S7003) to RGB1.
   2. Supply an RGB1 signal (fH = 31.5 kHz, fV = 70 Hz) to RGB1 terminal.
   3. Adjust the RGB1 V. Size control VR (R4725) to achieve a pattern height of 1680mm for the 120 inch size. (1008mm for the 72 inch size.)
4) RGB2 MODE
   1. Set the Input signal Selector SW (S7003) to RGB2.
   2. Supply an RGB2 signal (fH = 21.8 kHz, fV = 60 Hz) to RGB2 terminal.
   3. Adjust the RGB2 V. Size control VR (R4724) to achieve a pattern height of 1680mm for the 120 inch size. (1008mm for the 72 inch size.)

23. HORIZONTAL WIDTH ADJUSTMENT

1) Set the following controls and switches to the positions indicated.
   Input Signal Selector SW (S7003). . . . . LINE
   TV-System Selector SW (S4002) . . . . . AUTO
   RGB1 H. Size control VR (R5113). . . . . Center
   RGB2 H. Size control VR (R5120). . . . . Center
2) Supply an RGB1 signal (fH = 31.5 kHz, fV = 70 Hz) (analog) to RGB1 terminal.
3) Set the Input Signal Selector SW (S7003) to RGB1 position.
4) Adjust the RGB1 H. Size control VR (R5113) to achieve a pattern width of 2195mm at the 120 inch size. (1317mm at the 72 inch size.)
5) Supply an RGB2 signal (fH = 21.8 kHz, fV = 60 Hz) (analog) to RGB2 terminal.
6) Set the Input Signal Selector SW (S7003) to RGB2 position.
7) Adjust the RGB2 H. Size control VR (R5120) to achieve a pattern width of 2195mm at the 120 inch size. 1317mm at the 72 inch size.)

24. CROSS-HATCH ADJUSTMENT

1) Set the following switches to the positions indicated.
   Input Signal Selector SW (S7003). . . . . LINE
   Test SW (S7006) . . . . . ON
   Test Pattern SW (S7005). . . . . VIDEO
   Test Pattern SW (S7004). . . . . Cross-hatch Pattern
2) Input the internal cross-hatch pattern signal, and adjust H. Cross-hatch Adj. VR (R656) so that there are 13 ± 1 vertical lines.
3) Adjust V. Cross-hatch Adj. VR (R630) so that there are 9 ± 1 horizontal lines.
4) Set the Input Signal Selector SW (S7003) to RGB1 position, and confirm that cross-hatch lines are 13 ± 2 vertical lines and 9 ± 2 horizontal line.
5) Set the Test Pattern SW (S7005) to RGB, and confirm that Cross-hatch Pattern is projected on to the screen.
6) Set the Test Pattern SW (S7004) to Cross bar, and confirm that Cross bar Pattern is projecting on the screen.

25. GK DRIVE ADJUSTMENT

1) Set the following controls to the positions indicated.
   Brightness control VR (R4440) . . . . . .Click Stop
   Contrast control VR (R4441) . . . . . .Maximum
   VIDEO Sub bright control VR (R717) . . . . . Center
   Color control VR (R4443) . . . . . .Minimum
2) Remove the connector E6.
3) Supply a NTSC color bar signal.
4) Connect an oscilloscope between **TPLG** and ground.
5) Adjust Brightness control VR (R4440) to control the black level, less than B+ (210V) level.
6) Adjust G-Drive control VR (R396) to achieve 125Vb-w as shown in Fig. 46.

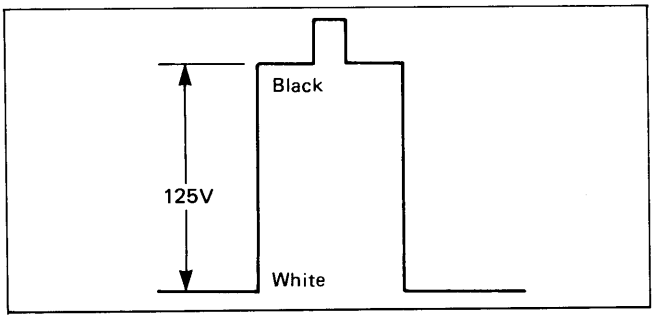


Fig. 46

7) Set Power switch to OFF position and insert the connector E6.

26. RGB SUB CONTRAST ADJUSTMENT

1) Set the following controls to the positions indicated.
   Input Signal Selector SW (S7003). RGB1
   Brightness control VR (R4440) . . . . . .Click Stop
   Sub contrast control VR (R713) . . . . . Center
   Sub bright control VR (R715). . . . . Center
   Contrast control VR (R4441) . . . . . .Maximum
2) Remove the connector E6.
3) Supply an RGB signal (fH = 15.75 kHz, fV = 60 Hz) to the RGB1 terminal.
4) Connect an oscilloscope between **TPLG** and ground.
5) Adjust Brightness control VR (R4440) to control the black level, less than B+ (210V) line.
6) Adjust Sub contrast control VR (R713) to achieve 100V on the oscilloscope as shown in Fig. 47.
7) Set Power switch to OFF position and insert the connector E6.

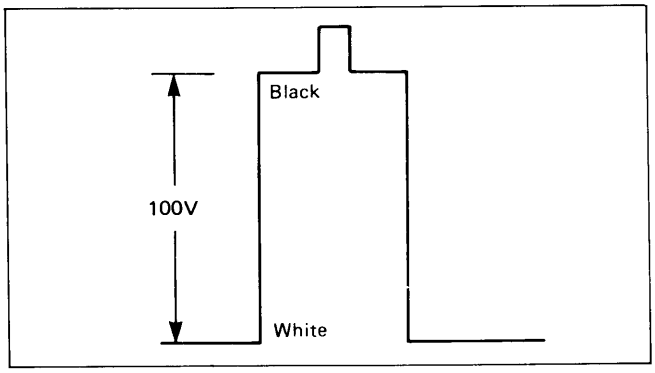


Fig. 47

27. CUT OFF/VIDEO SUB BRIGHTNESS ADJUSTMENT

1) Set the following controls to the position indicated.
   Color control VR (R4443) . . . . . Minimum
   Brightness control VR (R4440) . . . . . .Click Stop
   Screen VR (FOCUS SCREEN VR) . . . . . Minimum
   VIDEO Sub bright VR (R717). . . . . Center
   R Drive control VR (R341). . . . . Center
   B Drive control VR (R451). . . . . Center
2) Supply an NTSC color bar signal.
3) Set Service switch (S501) to Service position.
4) Connect an oscilloscope between **TPLG 3** and ground.
5) Adjust VIDEO sub bright control VR (R717) such that voltage meter reading is 180V ± 1V at the horizontal scanning rate.

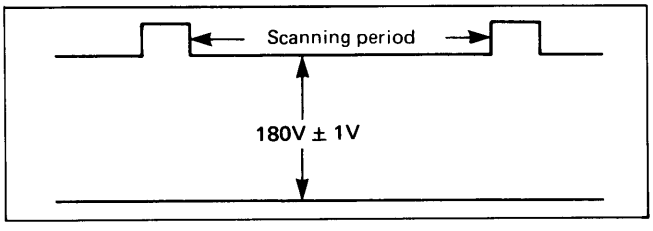


Fig. 48

28. WHITE BALANCE ADJUSTMENT

Note: Do not adjust Focus screen VR (G) and G drive VR (R396).

1) Supply a white patternsignal.
2) Set service switch (S501) to the Service position.
3) Set the Focus screen VR (R/B) to the minimum position.
4) Adjust Brightness control VR (R4440) so that the (G) picture tube becomes faint light.
5) Set Service switch (S501) to the NORMAL position and adjust high light, white balance with R drive VR (R341) and B drive VR (R451) controls.

29. SUB BRIGHTNESS ADJUSTMENT AND ABL CONFIRMATION

1) Set the following controls to the positions indicated.
   Brightness control VR (R4440) . . . . . .Click Stop
   Contrast control VR (R4441) . . . . . .Maximum
2) Connect a DV voltmeter between **TPE1** (+) and **TPE2** (–).
3) Supply an NTSC monoscope pattern signal.
4) Set Brightness control VR (R4440) and Contrast control VR (R4441) to maximum then confirm that 1.5V ± 0.1V is present between **TPE1** and **TPE2**.

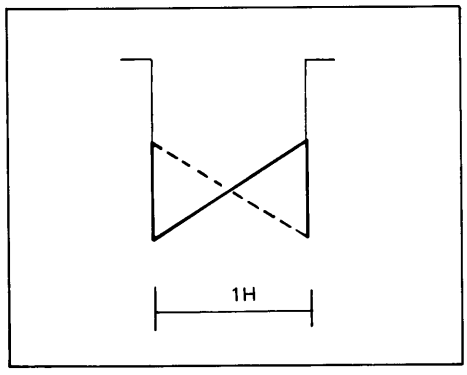


Fig. 50

30. RGB SUB BRIGHTNESS ADJUSTMENT

1) Set the following controls to the position indicated.
   Brightness control VR (R4440) . . . . . .Click Stop
   Color control VR (R4443) . . . . . .Minimum
   RGB Sub bright control VR (R715) . . . . . .Center
2) Connect a DC voltmeter between **TPLG3** and chassis earth.
3) Supply an RGB signal (fH = 15.75 kHz, fV = 60 Hz) (analog) to RGB1 terminal.
4) Set Service switch (S501) to Service position.
5) Adjust the RGB sub bright control VR (R715) such that voltage reading is 180V ± 1V at the horizontal scanning rate.

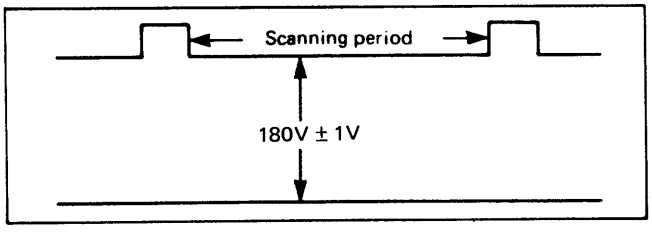


Fig. 49

31. COLOR SHADING CORRECTION CORRECT DRIVE ADJUSTMENT

1) Set the following controls to the positions indicated.
   Brightness VR (R4440) . . . . . .Click Stop
   Contrast VR (R4441). . . . . .Maximum
   Color VR (R4443). . . . . .Minimum
2) Supply a monoscope pattern signal to LINE IN terminal.
3) Connect an oscilloscope to **TPB8** and GND.
4) Adjust Color Shading Correction Adj. VR (R534) to achieve waveform as shown in Fig. 50.
5) Disconnect an oscilloscope from **TPB8** and connect an oscilloscope to **TPB10**.
6) Confirm that the waveform at **TPB8** and **TPB10** be the same.
7) Adjust R534 to a position where there is left-right color balance.

32. H. LUMINANCE SHADING CORRECT ADJUSTMENT

1) Set the following controls to the positions indicated.
   Brightness VR (R4440) . . . . . .Click Stop
   Contrast VR (R4441). . . . . .Maximum
   Color VR (R4443). . . . . .Minimum
2) Supply a rainbow color bar signal to LINE IN terminal.
3) Connect an oscilloscope to **TPB8** and **TPB20**.
4) Adjust C.B.H. Para. Adj. VR (R606) to achieve waveform as shown in Fig. 51.
5) Confirm that the waveform at **TPB8**, **TPB9** and **TPB10** are the same.
6) Turn R606 fully clockwise.

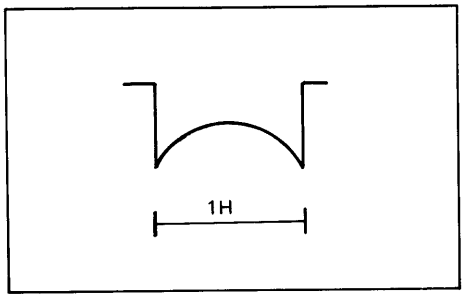


Fig. 51

33. V. LUMINANCE SHADING CORRECT ADJUSTMENT (1)

1) Set the following controls to the positions indicated.
   Brightness VR (R4440) . . . . . .Click Stop
   Contrast VR (R4441). . . . . .Maximum
   Color VR (R4443). . . . . Minimum
2) Supply a rainbow color bar signal to LINE IN terminal.
3) Connect an oscilloscope to **TPLR**.
4) Adjust C.B.V. Para. Adj. VR (R552) to achieve waveform as shown in Fig. 54.
5) Confirm that the waveform at **TPLR**, **TPLG** and **TPLB** are the same.
6) Turn R552 fully clockwise.

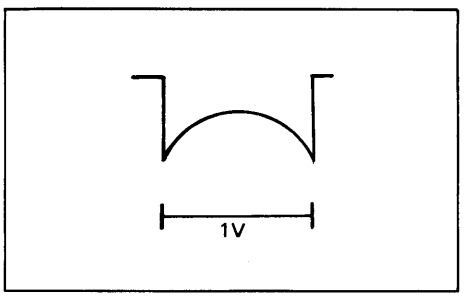


Fig. 52

34. V. LUMINANCE SHADING CORRECT ADJUSTMENT (2)

1) Set the following controls to the positions indicated.
   Brightness VR (R4440) . . . . . .Click Stop
   Contrast VR (R4441). . . . . .Maximum
   Color VR (R4443). . . . . Minimum
2) Supply a rainbow color bar signal to LINE IN terminal.
3) Connect an oscilloscope to **TPB8** and **TPB20**.
4) Adjust C.B.V. Saw. Adj. VR (R545) to achieve waveform as shown in Fig. 55.
5) Confirm that the waveform at **TPB8** **TPB9** and **TPB10** are the same.
6) Set R545 to center.

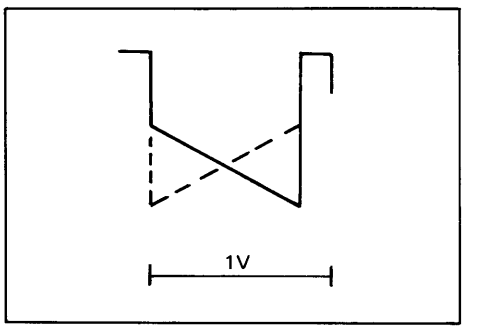


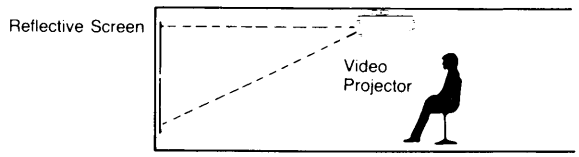
Fig. 53

INSTALLATION/ADJUSTMENT PROCEDURE

■ Variations in Installation

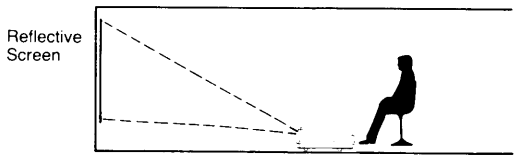
There are two fundamental installation methods; floor placement and ceiling mount, and it is easy to change to the desired method. The method should be selected according to the location of the installation and other circumstances, such as using a mirror for indirect projection in cramped locations, or projection from behind the screen, etc.

(1) Front Ceiling Type



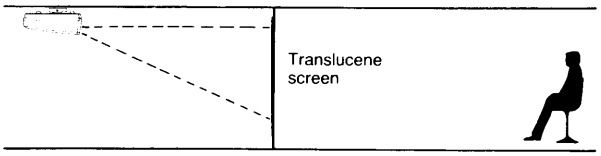
Application:
This type of installation is appropriate for a large area when the installation will be secured in place and many people will be viewing the screen.
Because the projector is ceiling-mounted, it won't interfere with floor level activities.
(Examples: halls, classrooms, etc.)

(2) Front Floor Type



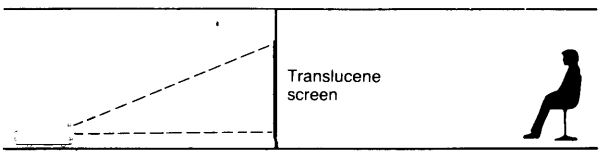
Application:
This type of installation is appropriate if the unit is not to be secured in place, so that it can be moved as needed. (Examples: conferences, meetings, product introductions, etc.)

(3) Rear Ceiling Type



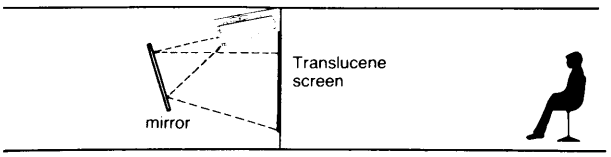
Application:
This type of installation is appropriate for a clear screen image in a bright environment.

(4) Rear Floor Type



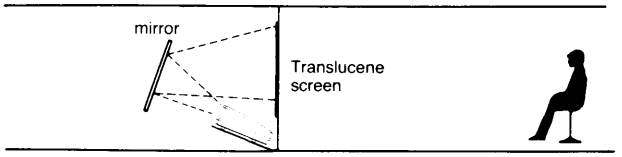
Application:
This type of installation is appropriate for a clear screen image in a bright environment.

(5) Rear Ceiling Type with mirror



Application:
This type of installation is appropriate if the area is small or cramped.
(Example: show windows,store front displays, etc.)

(6) Rear Floor Type with mirror



Application:
This type of installation is appropriate for a conference, meetings, etc. in a small area.

For the PT-105, its mounting and adjusting methods are based on the types of screen used, projecting size and setting specification.
In order to make exact setting and adjustments, read the following Tables 1 and 2, and select the desired screen size and setting methods, and adjusting procedures suitable for the projection mode.

CAUTIONS: 1. Never touch any controls without first refering to its description in the Operating Instructions or Installation Manual, because some of these controls require precise measuring instruments for correct adjustment.
2. For the setting and adjustment, follow the selected procedure in [Table 2]. By taking an erroneous procedure, any adjustment may be useless.

[Table 1] Screen Size and Projection Mode

Projection Mode	FLOOR						CEILING					
Model	PT-105/72″F			PT-105/120″F			PT-105/72″			PT-105/120″		
Screen Size (mm) / Mode	60″~64″ (1524~1626)	65″~74″ (1651~1880)	75″~79″ (1905~2007)	80″~89″ (2032~2261)	90″~109″ (2286~2769)	110″~120″ (2794~3048)	60″~64″ (1524~1626)	65″~74″ (1651~1880)	75″~79″ (1905~2007)	80″~89″ (2032~2261)	90″~109″ (2286~2769)	110″~120″ (2794~3048)
Front Ceiling	(A)	(C)	(A)	(A)	(A)	(C)	(B)	(D)	(B)	(B)	(B)	(D)
Front Floor	(B)	(D)	(B)	(B)	(B)	(D)	(A)	(C)	(A)	(A)	(A)	(C)
Rear Ceiling	(A)	(C)	(A)	(A)	(A)	(C)	(A)	(C)	(A)	(A)	(A)	(C)
Rear Floor	(A)	(C)	(A)	(A)	(A)	(C)	(A)	(C)	(A)	(A)	(A)	(C)
Rear Ceiling with Mirror	(A)	(C)	(A)	(A)	(A)	(C)	(B)	(D)	(B)	(B)	(B)	(D)
Rear Floor with Mirror	(B)	(D)	(B)	(B)	(B)	(D)	(A)	(C)	(A)	(A)	(A)	(C)

[Table 2] Installation Procedure and Necessary Adjustment.

No.	PROCEDURE	(A)	(B)	(C)	(D)
1	Projection Size Adjustment	YES	YES	NO	NO
2	Installation	YES	YES	YES	YES
3	Verification of Image Position	YES	YES	YES	YES
4	Preparation for Adjustment	YES	YES	YES	YES
5	Deflection Change	YES	NO	YES	NO
6	Lens Focus Adjustment	YES	YES	YES	YES
7	Green Raster Adjustment	YES	*	YES	*
8	Static Convergence Adjustment	YES	YES	YES	YES
9	Dynamic Convergence Adjustment	YES	YES	YES	*
10	Shading Correction	*	*	*	*

* If necessary

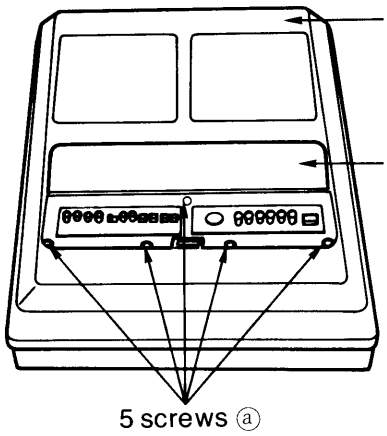
1. Projection Size Adjustment

WHEN CHANGING THE SCREEN SIZE, FOLLOW THE STEPS AS SHOWN BELOW.

The 120" model is preset for 110" to 120" diagonal screen size.
The 72" model is preset for 65" to 74" diagonal screen size.
For PT-105, projection size can be changed by an adjustment of CRT position (Red and Blue). In case of the120" model, change can be made within the range of 80"~120". While in case of the 72" model, change can be made within the range 60"~79".

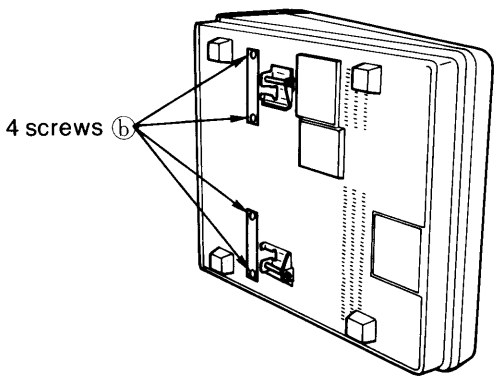
If a different screen size is desired, perform the following adjustment, step [1] ~ [9].

[1] Open the door of the control panel, and remove 5 screws ⓐ in [Fig.1].
Then pull the Top Cover toward the back side of the deck and carefully lift it to remove.



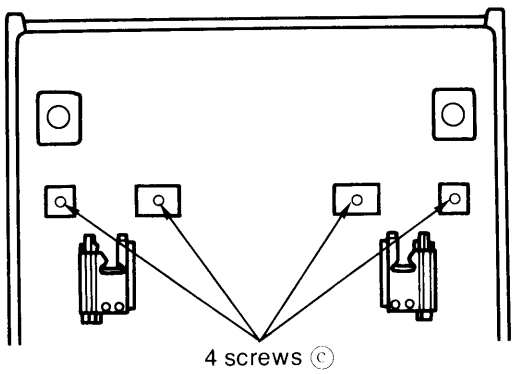
[Fig.1]

[2] Place the unit on its side as illustrated [Fig.2], and remove 4 screws ⓑ.
Then remove the covers of the adjusting holes.



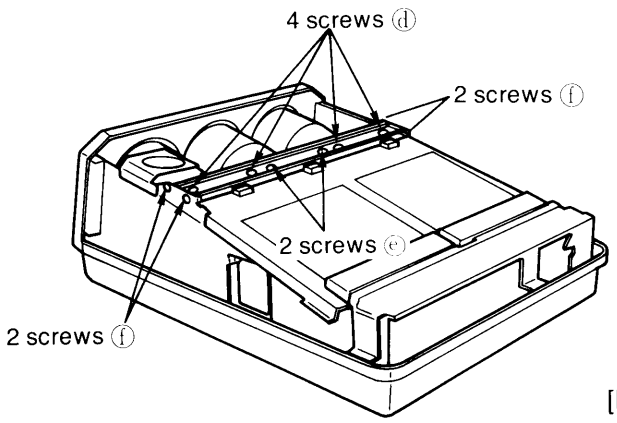
[Fig.2]

[3] Loosen 4 screws ⓒ two or three turns.
(Do not remove these screws.)



[Fig.3]

[4] Return the unit to its original position, and remove 4 screws ⓓ in [Fig.4].



[Fig.4]

[5] Adjust the positions of the Red and Blue CRTs for the desired projection size as shown in [Table 3] and [Fig.5] (120" model), or [Table 4] and [Fig.6] (72" model).

Note: If you have difficulty adjusting the CRTs, loosen 2 screws ⓔ and 4 screws ⓕ as in [Fig.4] slightly. Be sure to re-tighten after adjustment.

PT-105/120" model

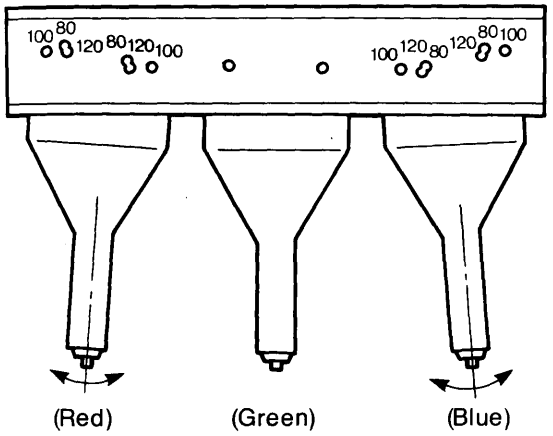
Display Value	Corresponding Size
80	80" ~ 89" (2032 ~ 2261 mm)
100	90" ~ 109" (2286 ~ 2769 mm)
120	110" ~ 120" (2794 ~ 3048 mm)

[Table 3]

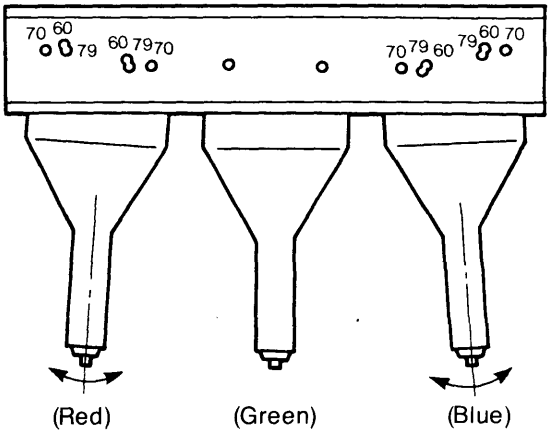
PT-105/72" model

Display Value	Corresponding Size
60	60" ~ 64" (1524 ~ 1626 mm)
70	65"~ 74" (1651 ~ 1880 mm)
79	75" ~ 79" (1905 ~ 2007 mm)

[Table 4]



[Fig.5]



[Fig.6]

[6] After insuring the proper CRT positions, tighten the 4 screws ⓓ in [Fig.4].

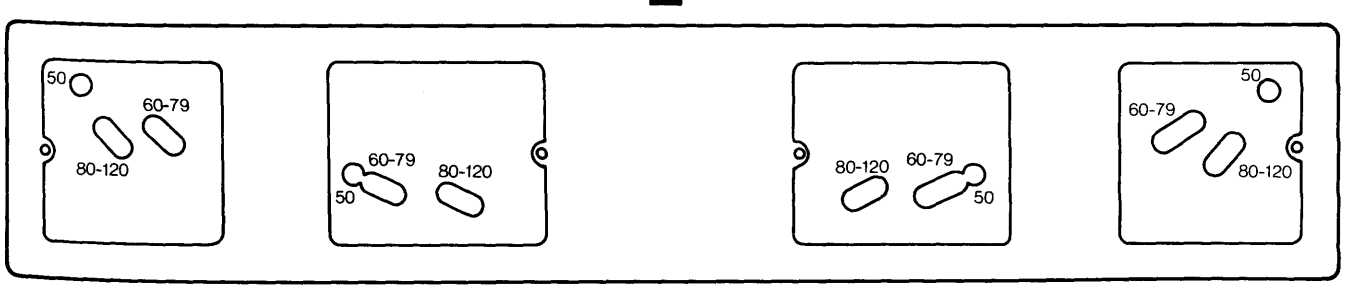
[7] Place the unit on its side, and tighten 4 screws ⓒ in [Fig.3].

[8] Re-place the covers of the adjusting holes and tighten 4 screws ⓑ in [Fig.2].

[9] After ensuring that a proper picture is displayed, re-place the Top Cover and tighten 5 screws ⓐ in [Fig.1].

Note: The figure below [Fig.7] is an enlargement of adjustment holes [Fig.3].
Please tighten the screws ⓒ and fix CRTs within the areas that are displayed as 80" ~ 120" for the 120" model and as 60" ~ 79" for the 72" model in the diagram below.

(Lens side)

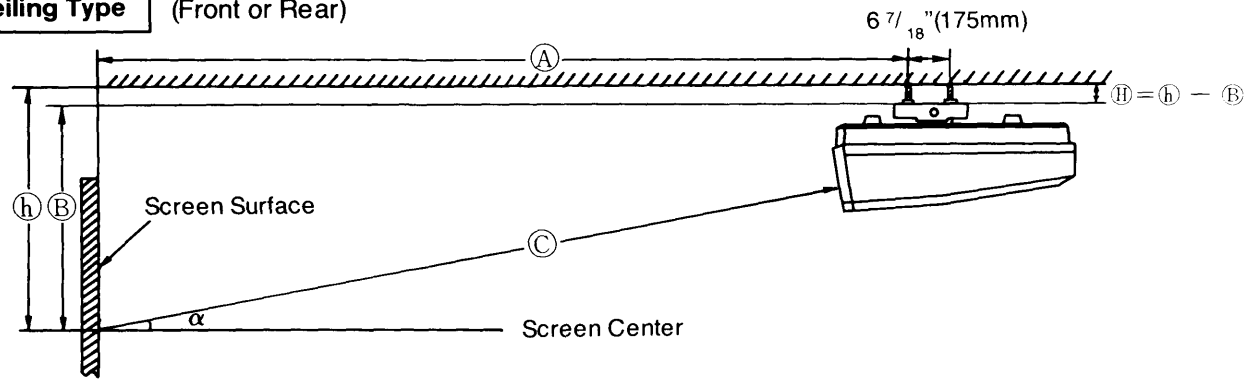


[Fig.7]

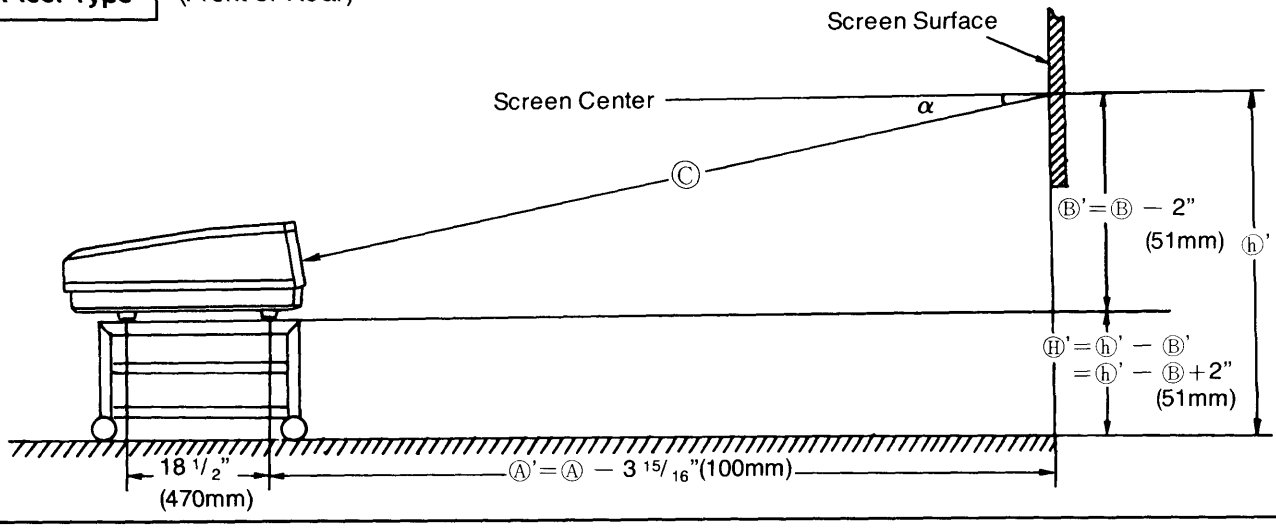
2. Installation

1 Front Ceiling, Front Floor, Rear Ceiling and Rear Floor.

Ceiling Type (Front or Rear)



Floor Type (Front or Rear)



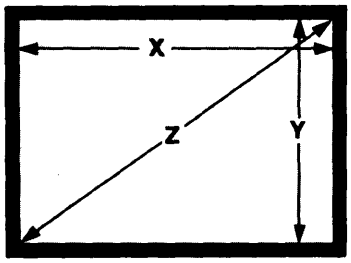
[Table 5] Relationship between picture size and mounting distance.

SCREEN SIZE (Z)	WIDTH (X)	HIGHT (Y)	Ⓐ	Ⓑ	Ⓒ	α
120" (3048)	96" (2438)	72" (1829)	154 3/16" (3916)	44 5/16" (1126)	151 1/32" (3836)	13.13°
110" (2794)	88" (2235)	66" (1676)	142 1/4" (3613)	41 17/32" (1055)	138 11/16" (3523)	13.12°
100" (2540)	80" (2032)	60" (1524)	130 9/32" (3309)	38 3/4" (984)	126 13/32" (3211)	13.11°
90" (2286)	72" (1829)	54" (1372)	118 5/16" (3005)	35 29/32" (912)	114 3/32" (2898)	13.1°
80" (2032)	64" (1626)	48" (1219)	106 11/32" (2701)	33 1/8" (841)	101 13/16" (2586)	13.08°
79" (2007)	63 3/16" (1606)	47 13/32" (1204)	107 19/32" (2733)	32 5/8" (829)	102 3/4" (2610)	12.71°
72" (1829)	57 19/32" (1463)	43 3/16" (1097)	99" (2515)	30 21/32" (779)	93 15/16" (2386)	12.7°
70" (1778)	56" (1422)	42" (1067)	96 17/32" (2452)	30 1/8" (765)	91 3/8" (2321)	12.69°
60" (1524)	48" (1219)	36" (914)	84 11/32" (2142)	27 5/16" (694)	78 13/16" (2002)	12.67°

[Table 5]

Note: Unit of Z, X, Y, Ⓐ, Ⓑ and Ⓒ is inches and (mm).

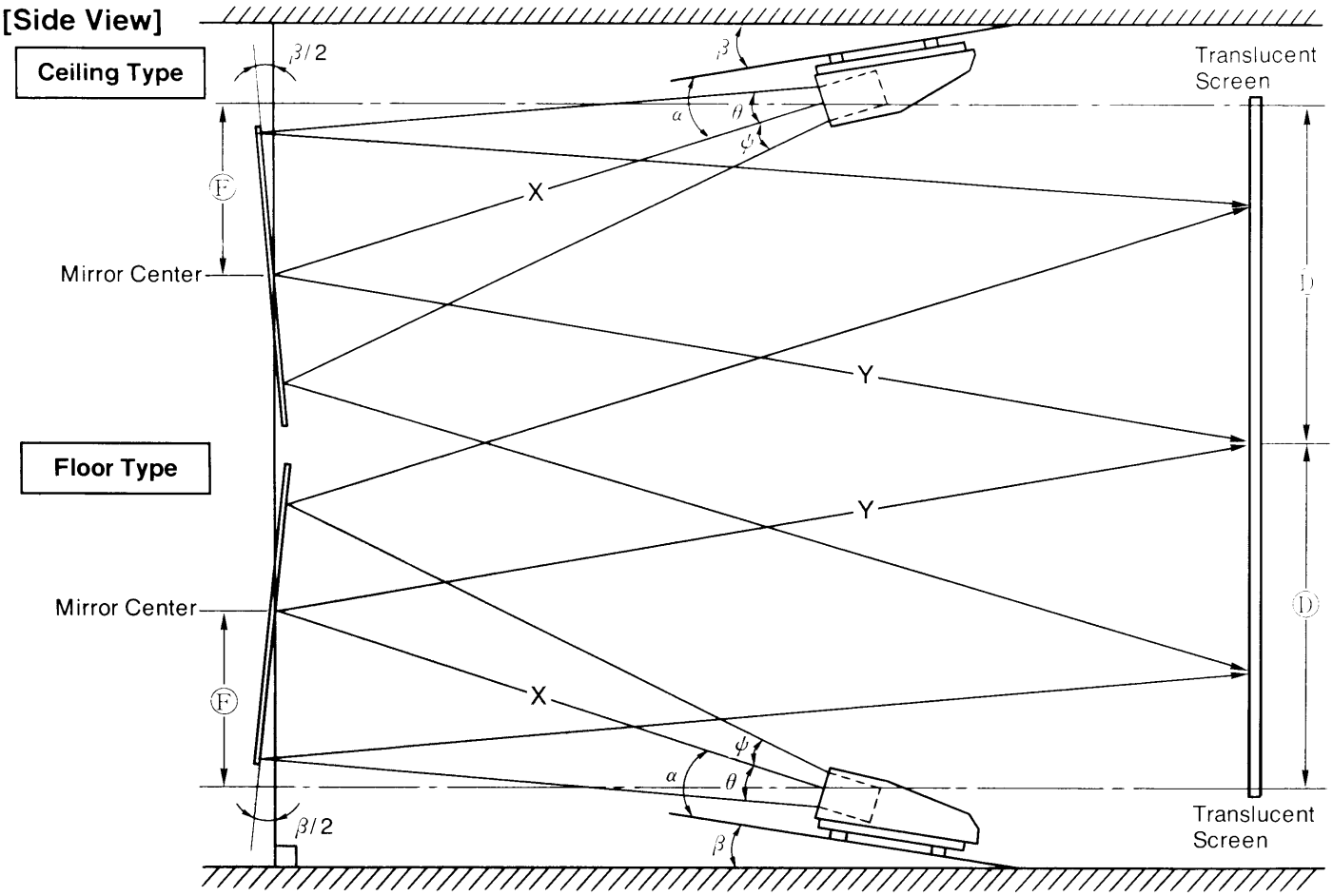
Ⓐ : Distance from screen to center of hole in the front holding bolt.
Ⓑ : Distance from mounting plate bottom to center of screen.
Ⓒ : Distance from screen center to lens surface.



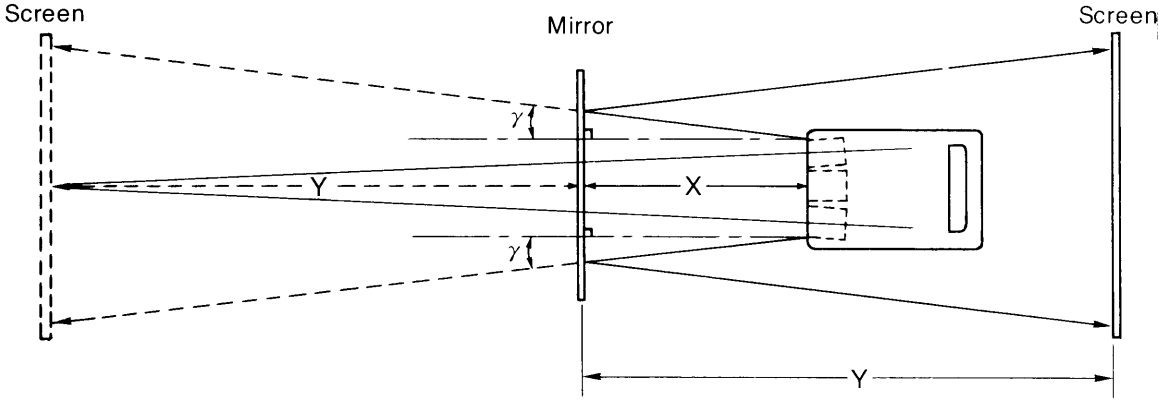
For conventional flat screen (Aspect ratio 3 × 4)
X : Picture width
Y : Picture height
Z : Diagonal Picture size

2 Rear Ceiling or Rear Floor with Mirror

[Side View]



[Top View]



- In case of mirror use for insrallation, please refer to above figures and [Table 6] to determine mounting distance and mirror size. In addition, the formula for each distance is as below.
  - X+Y=Ⓒ
  - Ⓕ=X · Sin (α+β)
  - Ⓓ=Y · Sin α+Ⓕ

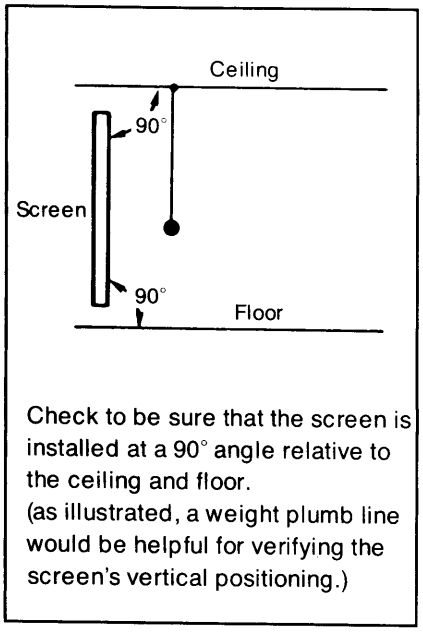
Note: 1. Ⓒ... Distance from screen center to lens surface. (Throw Distance)
2. Ⓕ... Height between mirror center and lens center line.
3. Ⓓ... Height between screen center and lens center line.

[Example]

Screen Size	θ	ψ	γ
120"	13.32°	12.10°	15.34°
100"	13.03°	11.87°	14.64°
80"	12.59°	11.53°	13.61°
79"	12.29°	11.31°	13.24°
70"	12.09°	11.15°	12.75°
60"	11.62°	10.79°	11.61°

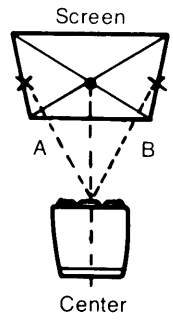
[Table 6]

3 Projector Positioning

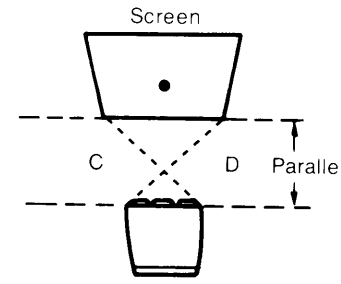


Screen Center

Check to be sure that the screen is installed at a 90° angle relative to the ceiling and floor.
(as illustrated, a weight plumb line would be helpful for verifying the screen's vertical positioning.)



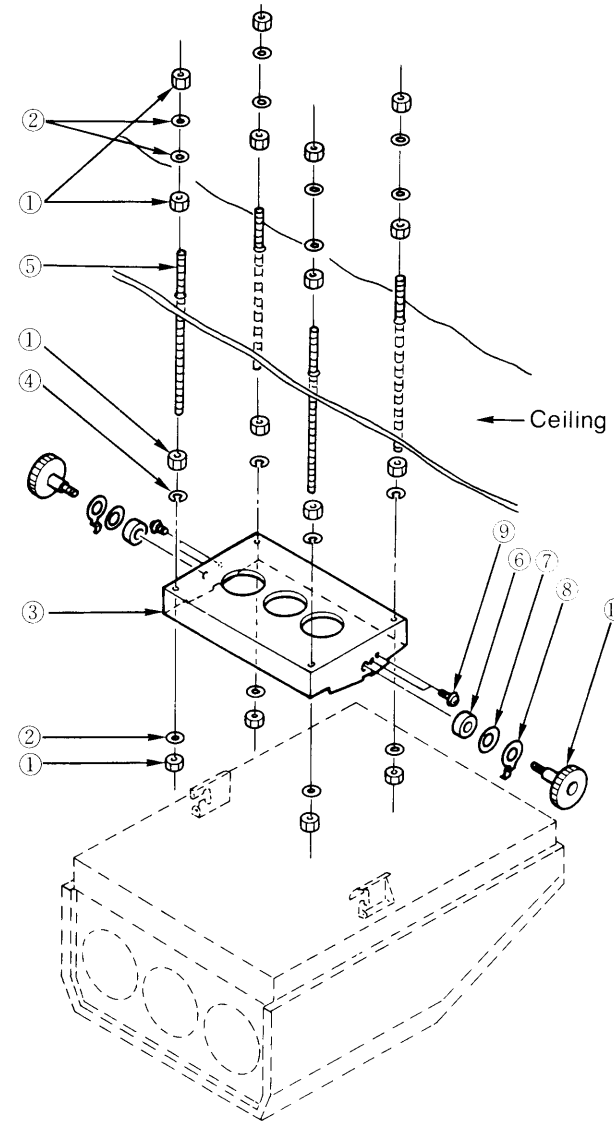
Refer to [Table 5] for projector positioning.
Note:
Projector must be centered on screen.
("A" and "B" dimensions above should be equal.)



Projector should be parallel to the screen surface ("C" and "D" dimensions above should be equal).

4 Installation Kit (Ceiling Mount)

No.	ITEM	PARTS No.	QTY
①	M10-Nut	XNG10B	16
②	M10-Washer	XWH10	12
③	Holding Plate	TKR53200	1
④	M10-Spring Washer	XWB10B	4
⑤	M10-Holding Bolt ($23\ ^{5}/_{8}$"=600mm)	THE600	4
⑥	Ceiling Washer	TKR23520	2
⑦	Washer	THW70023W	2
⑧	Ceiling Stopper Washer	THW70038	2
⑨	Tilt Securing Screw	XYN5+E12S	2
⑩	Ceiling Bolt	THE824	2



Note: The installation kit packed with the PT-105 can mount the PT-101, PT-101N,PT-301 and PT-101Y video projectors from Panasonic, but in such a case, it is necessary to make the setting adjustment. However, it is impossible to mount PT-105 with the installation kit packed with the PT-101, PT-101N, PT-301 and PT-101Y.

5 Holding Plate Installation.

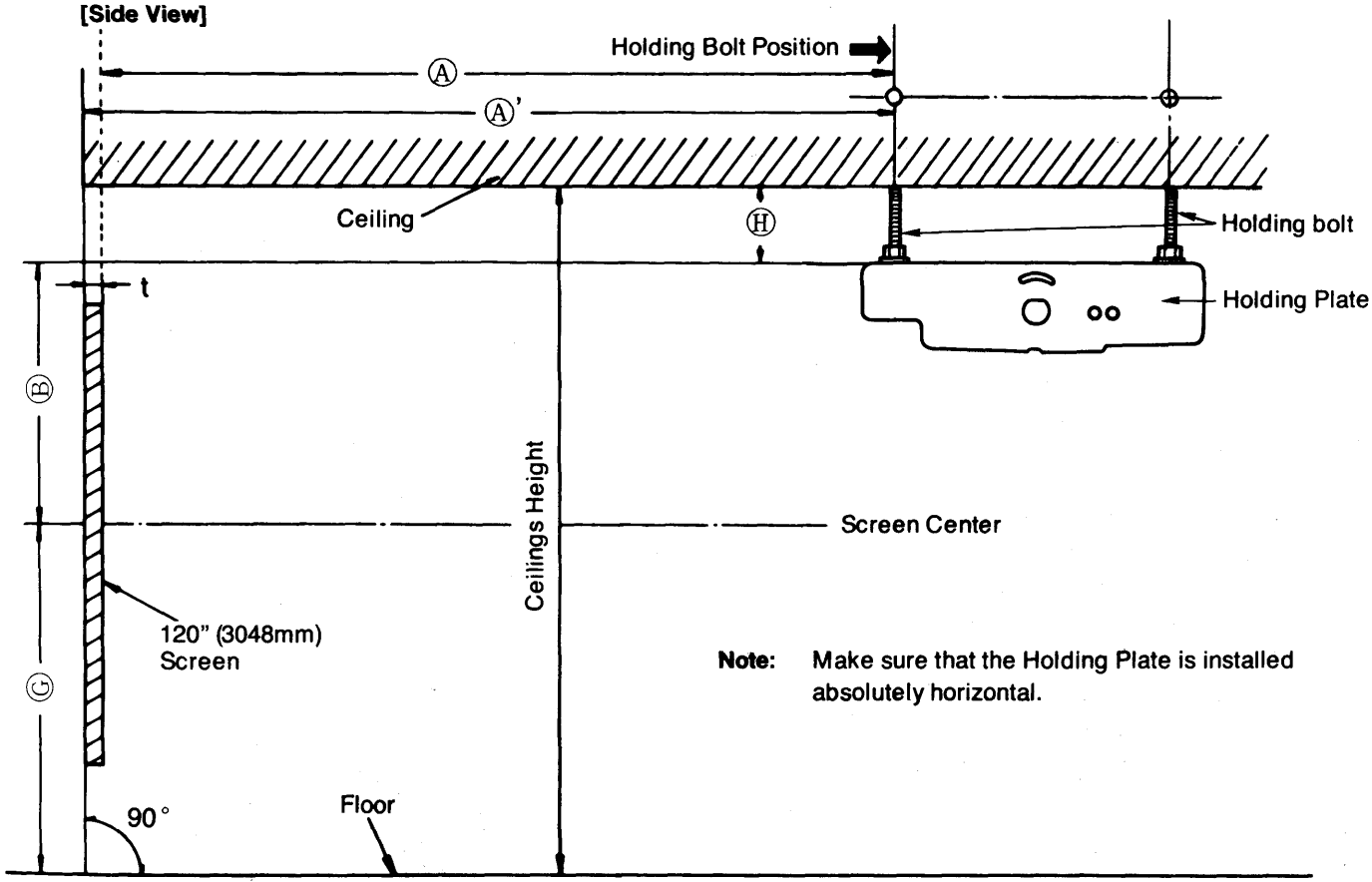
1. Position of Holding Plate

Example for 120" (3048mm) Picture size

(1) Decide the distance Ⓐ' between the front holding bolts and the wall which will hold the screen.
Ⓐ'=154 3/16 inches (3916mm) + t inches. (t: distance between wall and front surface of screen.)

(2) Calculate the distance Ⓗ between the ceiling and the Holding Plate.
Ⓗ=ceiling height − Ⓖ − Ⓑ 44 5/16 inches (1126mm).

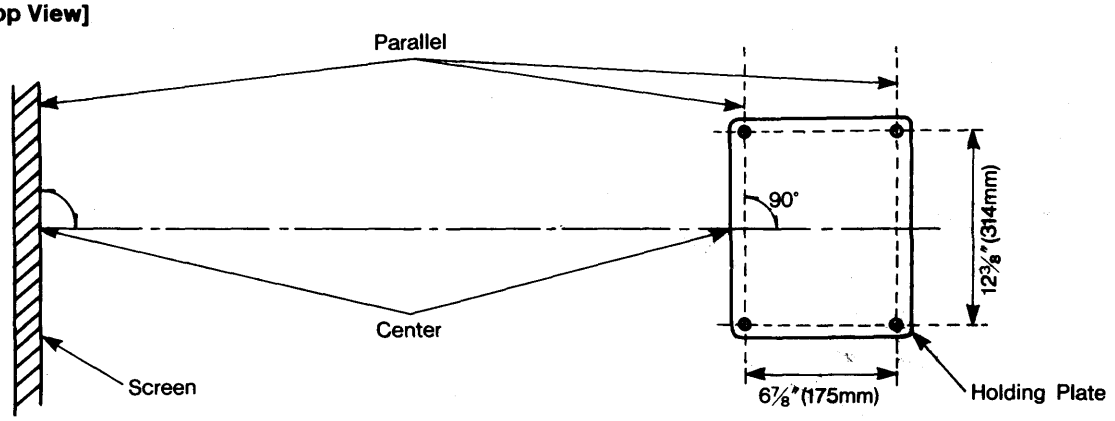
[Side View]



Note: Make sure that the Holding Plate is installed absolutely horizontal.

(3) Be careful when positioning the 4 bolts. The holding bolts should be parallel to the screen. Also, the center of the screen should match the center of the holding plate as shown in the figure below.

[Top View]

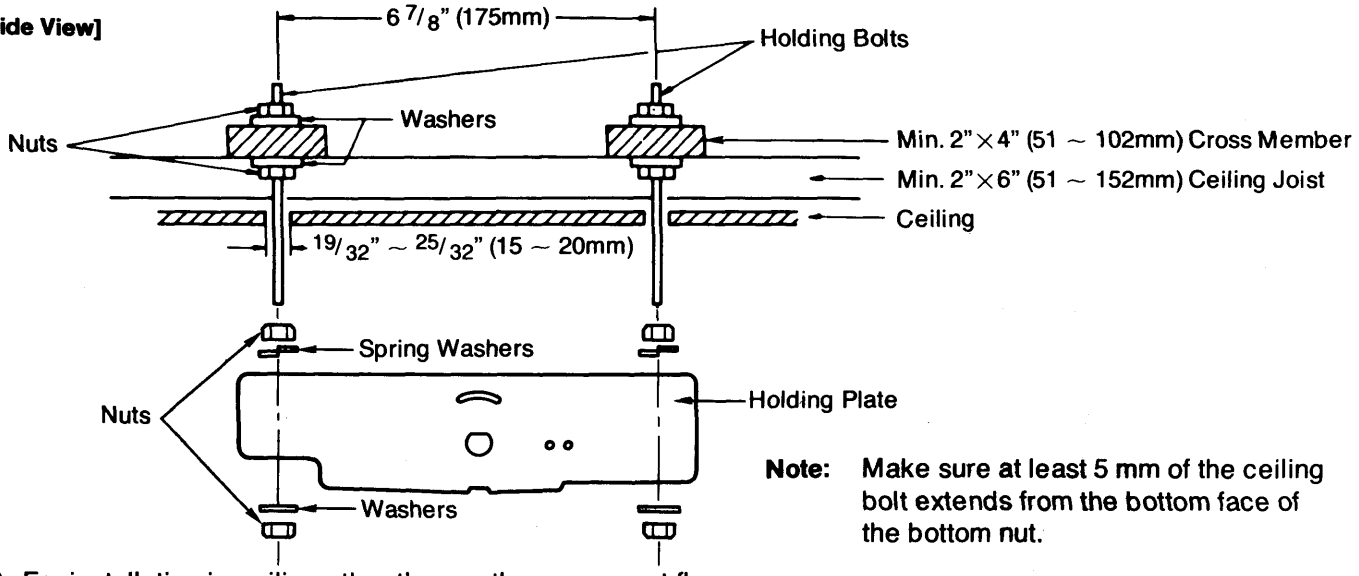


2. Examples of installation in typical wood frame structures

(1) For installation in single-story structure or on the uppermost floor.

Sectional View

[Side View]

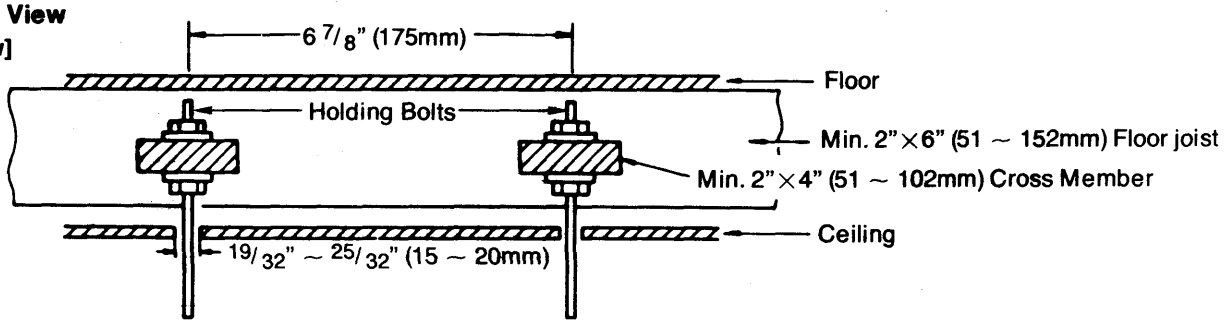


Note: Make sure at least 5 mm of the ceiling bolt extends from the bottom face of the bottom nut.

(2) For installation in ceiling other than on the uppermost floor.

Sectional View

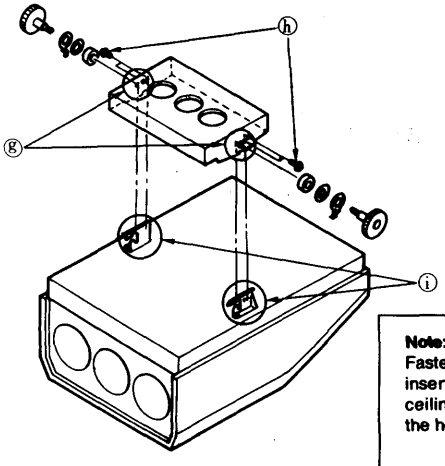
[Side View]



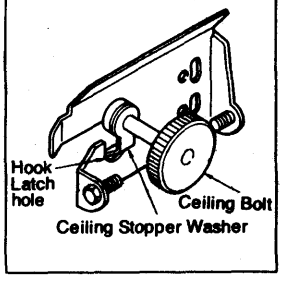
3. Main Unit Installation

① Raise the PT-105 and hook latch ⓘ to the Pivot ⓖ on the Holding Plate.

② Set the tilt angle and secure the unit with screw ⓗ.

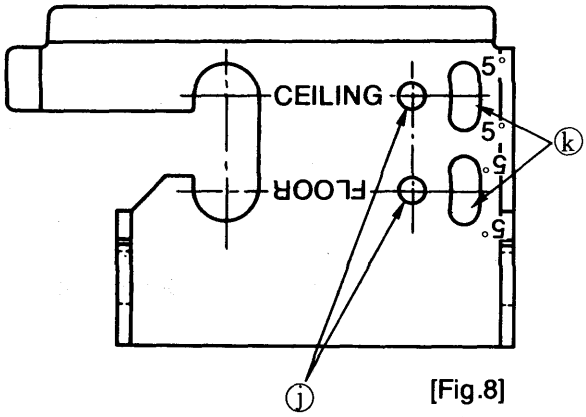


Note:
Fasten the ceiling bolt after inserting the front part of ceiling stopper washer into the hook latch hole.



- How to adjust the angle of this unit.

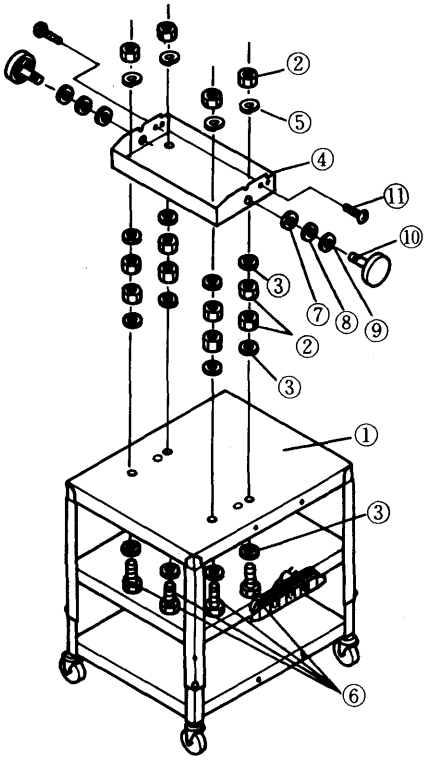
1. By screw clamping of the ceiling lock into ⓙ hole [Fig. 8], angle state is obtained.
2. For adjustment of the angle of this unit, move the hole ⓚ alone. ⓚ hole can be adjusted in the range of 5°, both plus and minus directions.
3. After setting unit to the proper angle, tighten the screw clamp without disturbing the angle previously set.



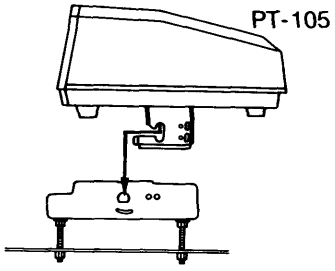
[Fig.8]

4. Table Mounting [Example : Adjustable Cart ET-CR101A (optional)]

① Mount the Holding Plate ④ using M10-2 inches Bolts ⑥, M10 Nuts ② and M10 washers ③.



② Mount the PT-105 on the Holding Plate. As shown below (using ⑦ to ⑩)



③ Set the tilt angle and secure the unit. (Using ⑪)

No.	ITEM	QTY
①	Adjustable Cart [ET-CR101A] (optional)	1
②	M10-Nut	16
③	M10-Washer	12
④	Holding Plate	1
⑤	M10-Spring Washer	4
⑥	M10-Bolt <2 inches (5.1mm)>	4
⑦	Ceiling Washer	2
⑧	Washer	2
⑨	Ceiling Stopper Washer	2
⑩	Ceiling Bolt	2
⑪	Tilt Securing Screw	2

3. Verification of Image Position

Turn ON the unit and any other equipment connected to it, and project an image on the screen. Check that the projected image matches the screen position. If the projected image is either too high or low, or to the right or left of the screen, or if the image is bigger at top or bottom or left or right, there is probably an error in the way the equipment was installed and all dimensions should be carefully rechecked.

4. Preparation for Adjustment

- Cautions for setting adjustments.

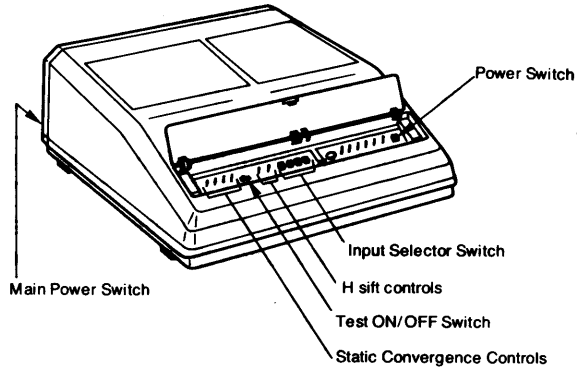
1. For setting adjustments, take off the cover of this unit, and inside controls may be adjusted. However, never touch any controls without first refering to its description in the Operating Instructions or this Installation Manual, because some of these controls require precise measuring instruments for correct adjustment. If moved, convergence or raster may be mis-adjusted, and may cause trouble.

2. For the sequence of setting adjustments, follow the procedure in [Table 2] on page 35. Following an erroneous adjustment procedure may result in extreme difficulty in converging unit properly.

- Selection of the input signals.

  If the signal input to the projector is a S-VIDEO signal, set the input selector switch to S-VIDEO; if it is a LINE signal, set the switch to LINE; and if they are RGB signals, set the switch to RGB 1 or RGB 2 (RGB 1 ... analog, RGB 2 ... TTL). [Fig.9]

  Note: If the remote controller is connected, use it to set the input selector switches (RGB 1, RGB 2, LINE, S-VIDEO), and to adjust the Color, Tint, Brightness, Contrast, Sharpness and Volume.



[Fig.9]

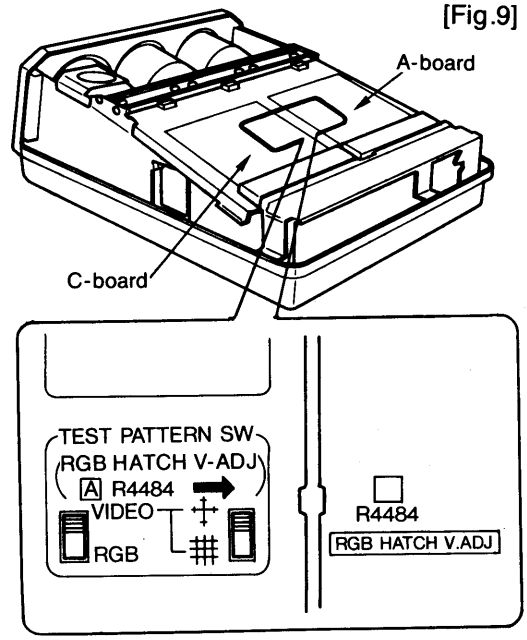
- How to use the built-in test pattern generator in PT-105.

1. PT-105 is provided with a circuit to generate two built-in test patterns of cross-hatch pattern and cross pattern. For projecting this pattern, set the Test ON/OFF switch to ON in the door of control panel of this unit. [Fig.9]

   Note: For projecting the built-in test pattern in video mode, it is unnecessary to input a sync signal externally.

2. In this unit, for improvement of adjusting accuracy of convergence using a computer, there is a function to generate a cross-hatch pattern by application of H/V SYNC from connected computer.
   For projecting a cross-hatch pattern locked to an external sync signal, set the Test Pattern switch on C-board inside of this unit to the side of RGB.

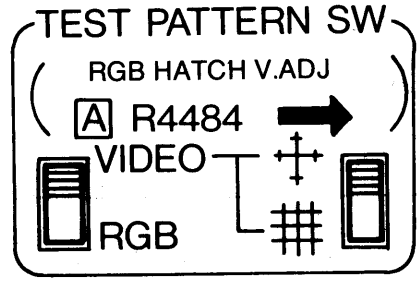
   Note: When used in the RGB cross-hatch mode, if V-SYNC is not stabilized and double synchronism or dancing symptom occurs, adjust RGB HATCH V. ADJ control (R4484) on A-board. [Fig.10]



[Fig.10]

3. For projecting the test pattern with video mode, set the Test Pattern switch to the side of VIDEO, and select either cross-hatch pattern or cross-pattern. [Fig.11]

   Note: When in RGB mode, cross-hatch pattern alone is generated.

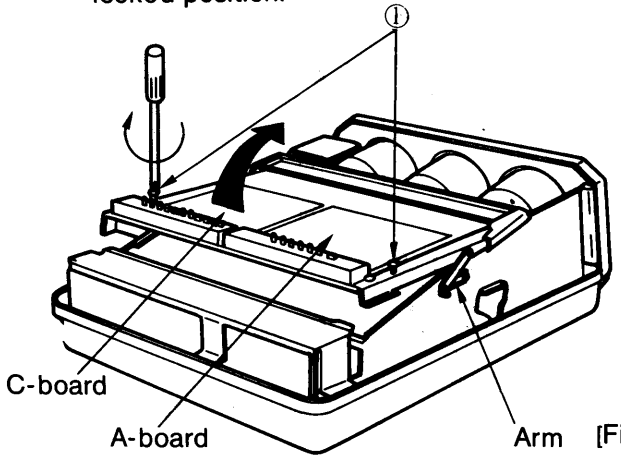


[Fig.11]

- Opening method of A and C-boards.

OPEN

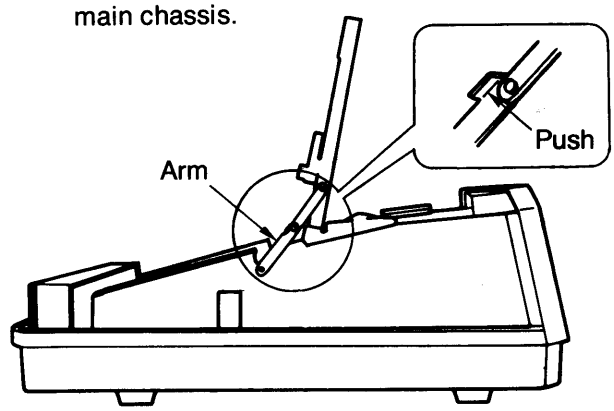
1. Loosen 2 screws ① counterclockwise 90° in [Fig.12].
2. Raise A and C-boards until the arm is in the locked position.



[Fig.12]

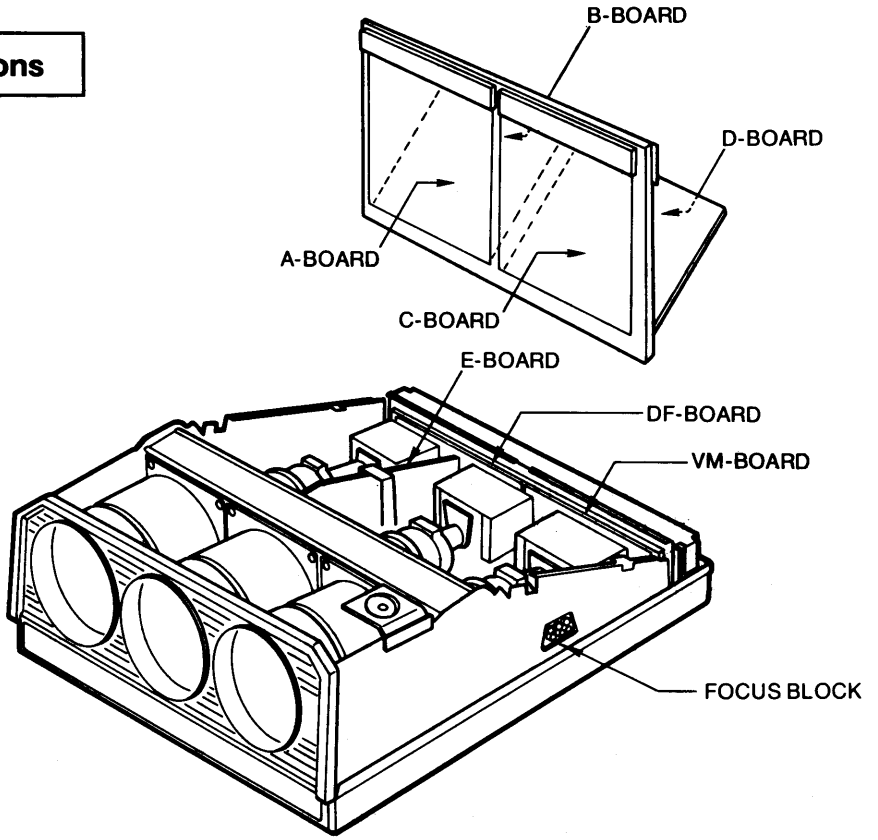
CLOSE

1. Push the intermediate part of the arm to the direction of allow-mark. [Fig.13]
2. When arm lock is disconnected, slowly lower the board.
3. Firmly clamp 2 screws ①, and fix the board to the main chassis.



[Fig.13]

Adjustment Locations



[Fig.14]

5. Deflection Change

When changing the setting of this unit it may be necessary to reposition certain connectors and a switch associated with deflection.
When a connector position or switch setting is not suitable for the setting specification, this unit may not operate properly, then, be sure to make deflection connectors and a switch change as shown below.

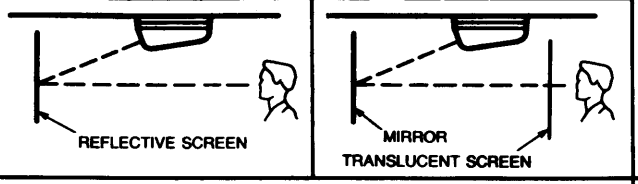
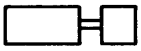
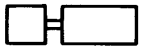
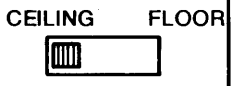
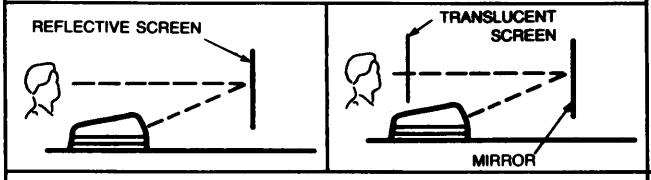
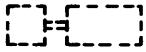
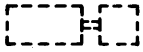
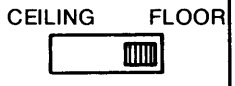
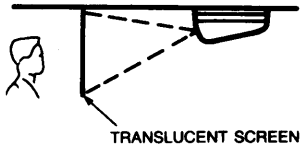
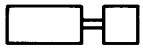
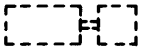
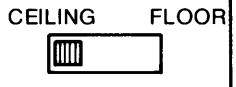
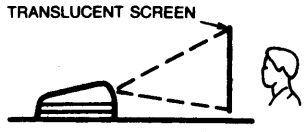
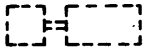
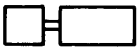
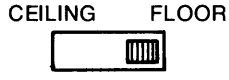
1. Turn OFF the Main Power switch.
2. Change the deflection circuit by repositioning the connectors on the A (TNP100739), D (TNP100744) and VM (TNP100751) P. C. boards which allows the PT-105 to be configured for various projection modes.

WARNING:

The connectors; A12, D3, D4, D5, VM2, VM3, and VM4 are designed to fit easily onto the connector pins on the P.C.board.

They must be reversed (180°) when changing the deflection direction. The unit will not function properly if the connectors are improperly inserted.

A-BOARD (TNP100739)	D-BOARD (TNP100744)	VM-BOARD (TNP100751)
A12 3 1 CEILING FLOOR S701	3 D5 1 3 D4 1 3 D3 1	VM2 4 1 2 3 VM3 4 1 2 3 VM4 4 1 2 3

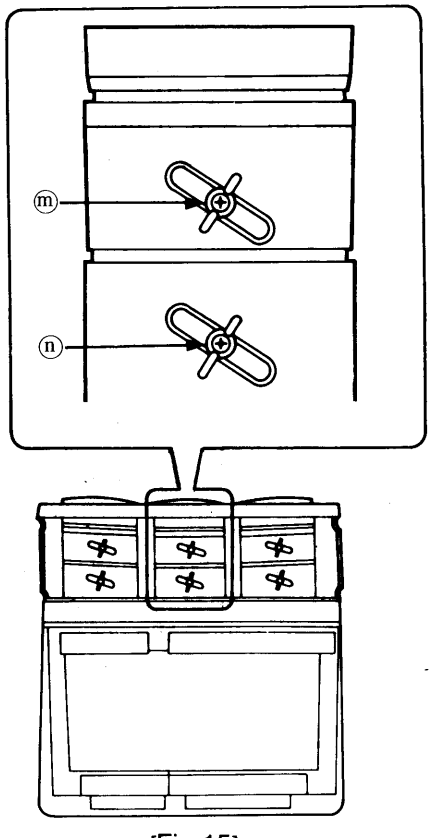
PROJECTION MODE	CONNECTOR POSITIONING		
	A 12	D3.D4.D5/VM2.VM3.VM4	S4701 (A-BOARD)
FRONT CEILING OR REAR CEILING WITH MIRROR 			
FRONT FLOOR OR REAR FLOOR WITH MIRROR 			
REAR CEILING 			
REAR FLOOR 			

6. Lens Focus Adjustment

This operation should only be carried out if there is any difficulty focusing the image. If the focus is re-adjusted, the convergence will be disturbed and will have to be re-adjusted.

METHOD OF ADJUSTING FOCUS

1) Select one of the RED, GREEN, or BLUE projection CRTs for adjustment. (The other two CRTs should be fitted with lens covers.)
2) Rotate the lens of the out-of-focus projection CRT after releasing the wing-nut ⓜ (used to fix the projection lens). Adjust the lens to the point at which the scanning lines can be most clearly seen (other lenses convered). [Fig. 15]
3) Fully tighten and secure adjust the wing-nut ⓝ.
4) Loosen the wing-nut, and adjust the peripheral (corner) focus.
5) Thighten the wing-nut ⓝ of the projection lens. Then, adjust the two remaining lenses in the same procedure.
6) Remove all lens covers.



[Fig.15]

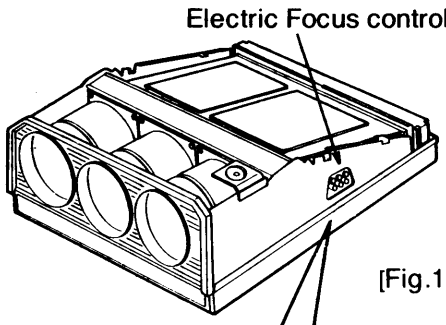
Note:

1. If focus can't be obtained by turning the lenses, focus electrically by using the three focus control shown in the [Fig.16].

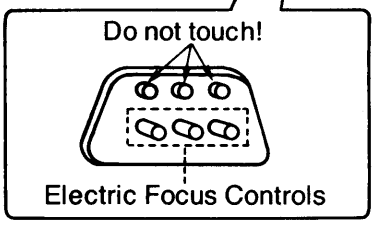
   Make the adjustment by looking at the image on the CRT surface.

   - At this time, adjust the focus for a balance between screen center and peripheral (corner) focus.
   - For Blue CRT, make adjustment for the best focus at the center of screen.

2. If the focus is adjusted there may be some color divergence. This should be corrected by convergence adjustment.



[Fig.16]



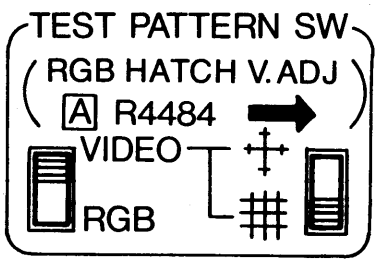
[Fig.17]

7. Green Raster Adjustment

Adjustment of the Green Raster may not be necessary if the deflection polarity (Installation mode) was not change. Any controls not mentioned in this manual require the use of precision equipment for adjustment. Any attempt to adjust these controls may prevent satisfactory convergence and raster adjustments.

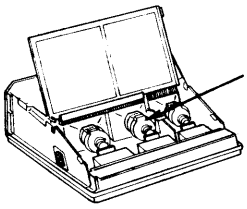
Carry out the installation adjustments in the order in which they are presented in this manual. Failure to do so many result in it being impossible to carry out satisfactory adjustment.

1. Turn the Test ON/OFF switch to ON position and display the test pattern (Cross-hatch).
   Set the Test Pattern switch on C-board as shown in the diagram on the right [Fig.18].



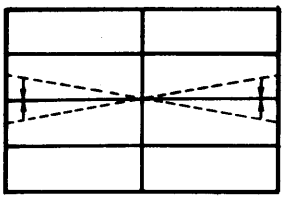
[Fig.18]

2. Place lens covers over the Red and Blue lenses.



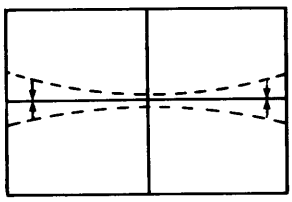
[Fig.19]

3. Horizontal Skew Adjustment
   ① Loosen the Green deflection yoke clamp screw. [Fig.19].
   ② Push the Green deflection yoke towards the Green lens.
   ③ Rotate the Green deflection yoke so that the Horizontal Center Line is horizontal. [Fig.20]
   ④ While pushing the yoke forward on the CRT, tighten the deflection yoke clamp screw.



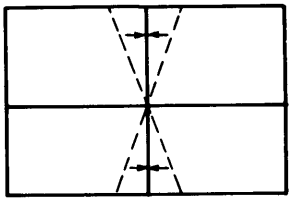
[Fig.20]

4. Horizontal Bow Adjustment
Adjust the Horizontal Bow control (R7224) so that the Horizontal Center Line is straight. [Fig. 21]



[Fig. 21]

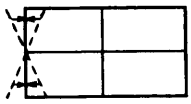
5. Vertical Skew Adjustment
Adjust the Vertical Skew control (R7226) to obtain a Vertical Center Line. [Fig. 22]



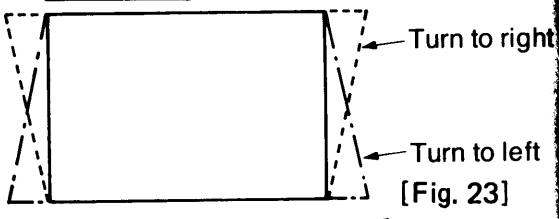
[Fig. 22]

6. Side Keystone Adjustment
Adjust the Side Keystone control (R7443) so that both of the Side Vertical Lines are parallel. [Fig. 23]

Note: If you want to adjust only left side keystone, please adjust the Left Side Keystone control (R7497)

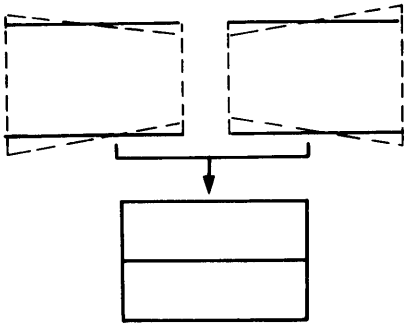


[Fig. 24]



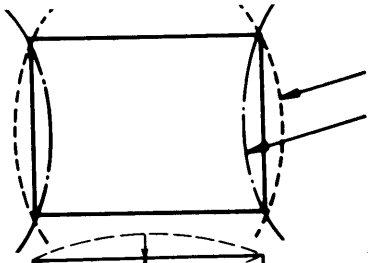
[Fig. 23]

7. Top and Bottom Keystone Adjustment
Adjust the Top and Bottom Keystone control (R7227) so that the Top and Bottom Lines are parallel. [Fig.25]



[Fig.25]

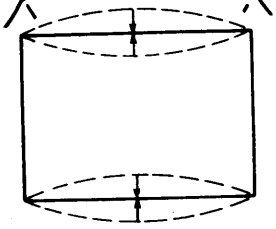
8. Side Pincushion Adjustment
Adjust the Side Pincushion control (R7207) so that both of the Side Vertical Lines are straight. [Fig.26]



[Fig.26]

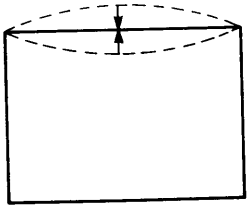
9. Top and Bottom Pincushion Adjustment
Adjust the Top and Bottom Pincushion control (R7206) so that the Top and Bottom Lines are almost straight.[Fig.27]

※ Especially, correct the bottom position.



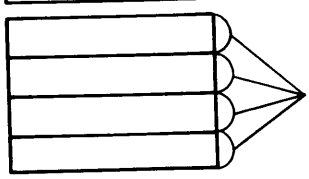
[Fig.27]

10. Top Pincushion Adjustment
Adjust the Top Pincushion control (R7205) so that the Top Line is almost straight. [Fig.28]



[Fig.28]

11. Vertical Linearity Adjustment
Adjust the Vertical Linearity control (R4767) to produce the display shown in [Fig.29]



[Fig.29]

12. Vertical Size Adjustment
Input a PAL or SECAM signal to the S-VIDEO IN or LINE IN terminal and set the Input Selector switch to the appropriate position. Adjust the PAL/SECAM Vertical Size control (R4723) for the appropriate picture height.

Input a NTSC signal and set the Input Selector switch to LINE position. Adjust the NTSC Vertical Size control (R4726) for the appropriate picture height.

Input a RGB analog signal to the RGB IN 1 terminal and set the Input Selector switch to RGB 1 position. Adjust the RGB 1 Vertical Size control (R4725) for the appropriate picture height.

Input a RGB TTL signal to the RGB IN 2 terminal and set the Input Selector switch to RGB 2 position. Adjust the RGB 2 Vertical Size control (R4724) for the appropriate picture height.

Note: When adjusting the Vertical Size adjustment, set the TV System Selector switch to AUTO position.

Note: It is not necessary to adjust the PAL/SECAM Vertical Size control (R4723) if the projector will not be used for PAL or SECAM signal.

13. Horizontal Size Adjustment

Input a Video signal to the S-VIDEO IN or LINE IN terminal and set the Input Selector switch to the appropriate position. Adjust the Video Horizontal Size control (R5116) for the appropriate picture width.

Input a RGB analog signal to the RGB IN 1 terminal and set the Input Selector switch to RGB 1 position. Adjust the RGB 1 Horizontal Size control (R5113) for the appropriate picture width.

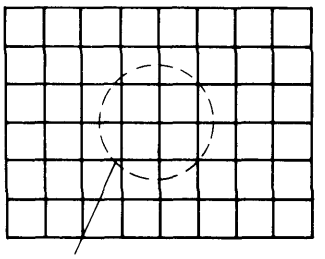
Input a RGB TTL signal to the RGB IN 2 terminal and set the Input Selector switch to RGB 2 position. Adjust the RGB 2 Horizontal Size control (R5120) for the appropriate picture width.

14. Horizontal/Vertical Position Adjustment

By using the Green Static Convergence controls (R7343 and R7349), Horizontal and Vertical positioning can be adjusted. These controls are for adjustments at the factory and set the Green Raster as the reference for convergence adjustments. Do not attempt to compensate for installation errors by using these controls.

8. Static Convergence Adjustment

1. Turn the Test ON/OFF Switch to ON position and output the Cross-hatch pattern to check the degree of color divergence. [Fig.30]

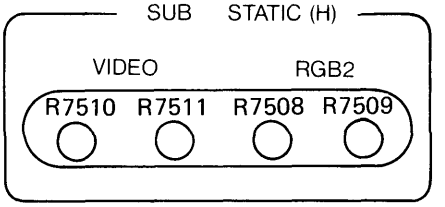


Make adjustments in regard to this portion.

[Fig.30]

2. If there is any divergence, adjust the central convergence controls.

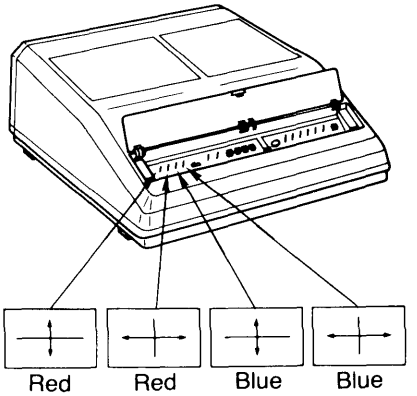
① Input a Video signal to the S-Video or LINE IN terminal and set the Input Selector switch to the appropriate position. Adjust the Sub Static Convergence adjustment controls (R7510・・・Red, R7511・・・Blue) on the C-board.[Fig.31]



[Fig.31]

② Input a RGB analog signal to the RGB IN 1 terminals and set the Input Selector switch to RGB 1 position. Adjust the Static Convergence controls on the control panel. [Fig.32]

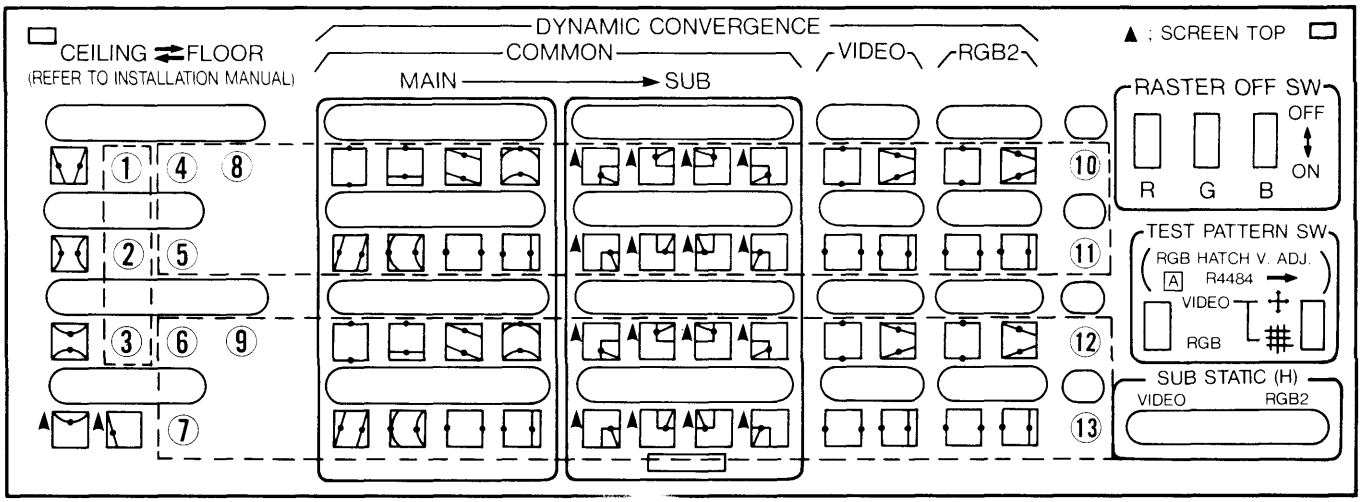
③ Input a RGB TTL signal to the RGB IN 2 terminals and set the Input Selector switch to RGB 2 position. Adjust the Sub Static Convergence adjustment controls (R7508・・・Red,R7509・・・Blue) on the C-board. [Fig.31]



[Fig.32]

9. Dynamic Convergence Adjustment

If color divergence is still present even after carrying out the static convergence adjustments, and perform the dynamic convergence adjustments (on the C-Board).



1. Adjustment procedure for dynamic convergence.

Adjusting methods vary in accordance with type of input signals. Select one using A~G in the following list. Then, make adjustments one by one based on the type of signal input and by the adjusting sequence.
[Table 7]

Adjusting sequence	Signal input at adjusting time / Adjusting position	A	B	C	D	E	F	G
1	COMMON	RGB 1	RGB 1	RGB 1	RGB 2	RGB 1	RGB 2	VIDEO
2	RGB or VIDEO	RGB 2	RGB 2	VIDEO	VIDEO			
3	VIDEO	VIDEO						

[Table 7]

CAUTIONS:

1. For Test Pattern switch, select Video/ RGB in conformity with the input signal at time of adjustment.
2. Set each control of sub-block at VIDEO, RGB and COMMON sections to the mechanical center.

Note: With a divergence that might be corrected easily, adjust only the controls that affect that area. You need not set all the controls at center in that case.
However, when you can't correct divergence, then as shown in CAUTION 2, please set all the controls to center and re-adjust them.

2. Adjustment of dynamic convergence

Example of procedure:
In case of input of video signal (including S-VIDEO) and RGB 1 signal, the adjusting procedure is as follow:

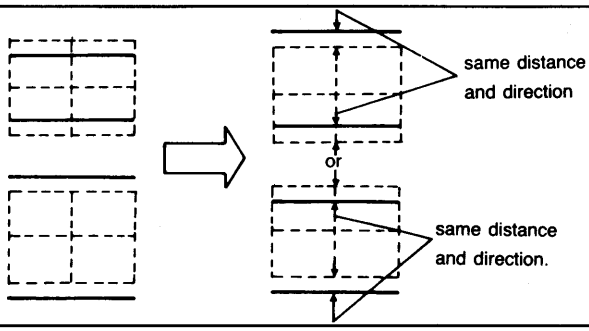
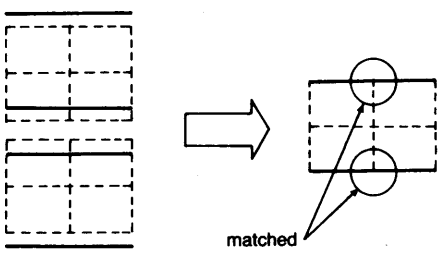
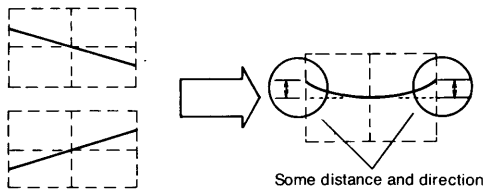
Procedure	Adjusting contents	Setting of controls and switches at adjusting time
1	Adjustment of main block	a) Input Selector switch ..... RGB 1 b) Test ON/OFF switch ..... ON c) Test Pattern switch ..... RGB d) Each control of sub-block of video-block and common section .... Center of turning angle
2	Adjustment of Sub-block	Same as above
3	Adjustment of video block	With the above setting, change (a) (c) items to VIDEO, and generate cross hatch.

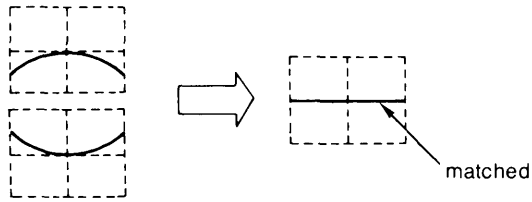
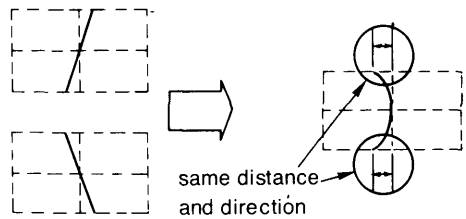
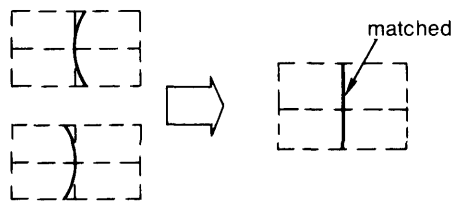
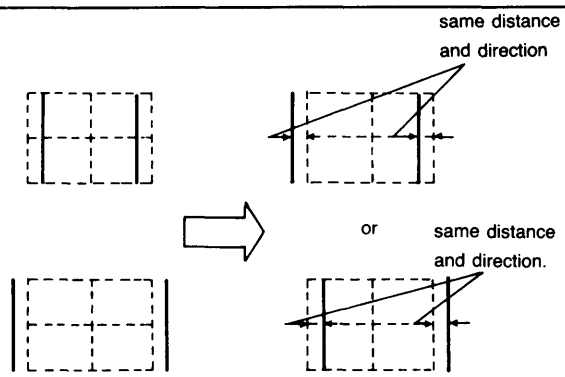
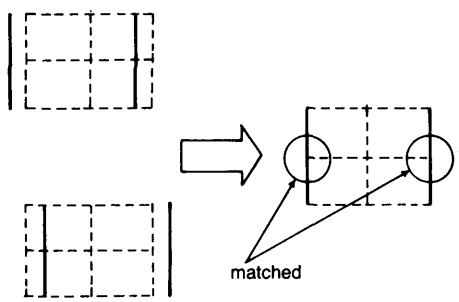
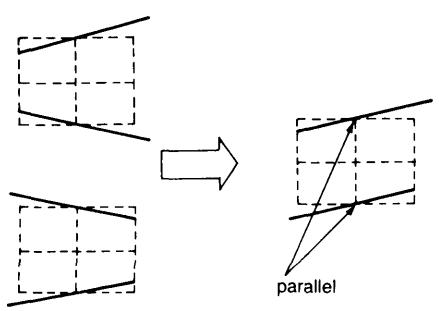
In case of signal input of 1-series alone, only adjust the above procedures 1 to 2, and match the (a) (c) items of the Procedure 1 to the input signal.

3. Function of the adjustment controls.

COMMON/VIDEO/RGB 2

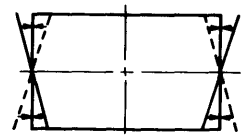
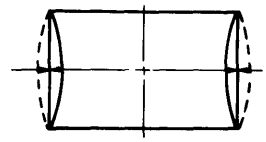
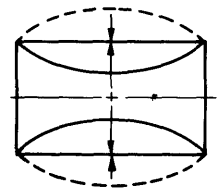
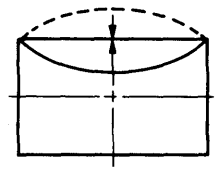
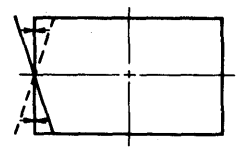
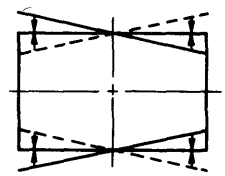
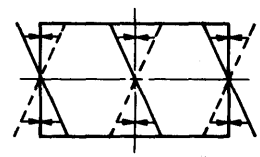
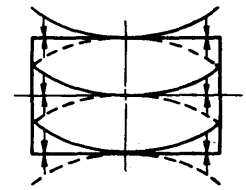
Note: Dot line ... Green
Solid line ... Red or Blue

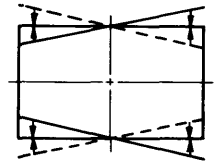
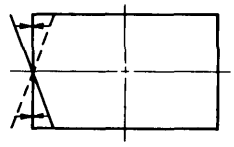
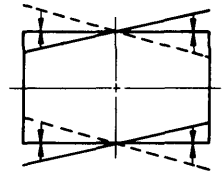
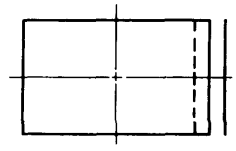
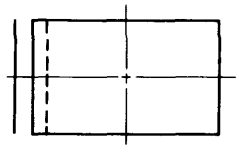
Indication/ Control No.	Subject of adjustment	Motion
 R7277 (R7333) R7280 (R7336) R7282 (R73338)	Vertical Size Retate R7277 (R7333) so that at the center of the top and bottom horizontal lines, these lines are the same height as the green lines and that any offset at top and bottom is same and same direction.	
 R7276 (R7332)	Vertical Linearity Rotate R7276 (R7332) so that the center of the top and bottom horizontal lines match the center of the green top and bottom lines. If you can not converge the top and bottom lines readjust R7277 (R7333).	
 R7275 (R7331)	Horizontal Skew Rotate R7275 (R7331) so that the Horizontal center line is touching at the center and equal distances and same direction at each end from green Horizontal center line.	

Indication/ Control No.	Subject of adjustment	Motion
 R7274 (R7330)	Horizontal Bow Rotate R7274 (R7330) so that the horizontal center line matches the green horizontal center line. If you can not converge, readjust R7275 (R7331)	
 R7250 (R7306)	Vertical Skew Rotate R7250 (R7306) so that the vertical center line is touching at the center and same distance and same direction at each end from the green vertical center line.	
 R7244 (R7305)	Vertical Bow Rotate R7244 (R7305) so that the vertical center line matches the green horizontal center line. If you can not converge, readjust R7250 (R7306).	
 R7248 (R7304) R7225 (R7348) R7252 (R7308)	Horizontal Size Rotate R7248 (R7304) so that at the center of the left and right vertical lines, these lines are the same width as the green lines and that any offset at left and right is same and same direction.	
 R7247 (R7303) R7269 (R7325) R7253 (R7309)	Horizontal Linearity Rotate R7247 (R7303) so that the center of the right and left vertical lines match the center of the green right and left lines. If you can not converge the right and left lines, readjust Horizontal Size.	
 R7281 (R7337) R7283 (R7339)	Top and bottom key stone Rotate R7281 (R7337) so that Top and bottom lines are almost parallel. Covering the green lens will help in determining that both lines are parallel.	

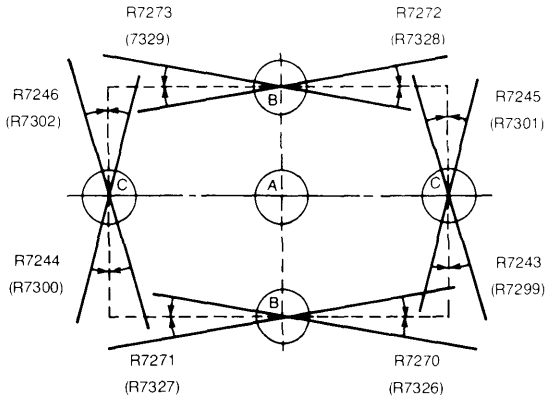
Note: Dot line ····· Green
Solid line ····· Red or Blue

CEILING⇆FLOOR/ RASTER

Indication/ Control No.	Subject of adjustment	Motion
 R7443	Side Keystone Adjustment Adjust the Keystone control (R7443) so that both of the Side Vertical Lines are parallel.	
 R7207	Side Pincushion Adjustment Adjust the Side Pincushion control (R7207) so that both of the Side Vertical Lines are straight.	
 R7206	Top and Bottom Pincushion Adjustment Adjust the Top and Bottom Pincushion control (R7206) so that the Top and bottom lines are almost straight.	
 R7205	Top Pincushion Adjustment Adjust the Top Pincushion control (R7205) so that the Top Line is straight.	
 R7497	Vertical Skew Adjustment (Left side) Adjust the Vertical Skew control (R7497) to obtain a Vertical center line.	
① R7227	Top and Bottom Keystone Adjustment (Green)	
② R7226	Vertical Skew Adjustment (Green)	
③ R7224	Horizontal Bow Adjustment (Green)	

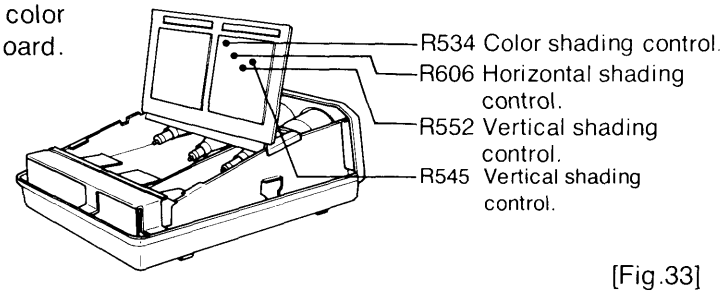
Indication/ Control No.	Subject of adjustment	Motion
④ R7279	Top and Bottom Key stone Adjustment (Red)	
⑤ R7251	Left side of Vertical Skew Adjustment (Red)	
⑥ R7335	Top and Bottom Keystone Adjustment (Blue)	Same motion as ④.
⑦ R7307	Left side of Vertical Skew Adjustment (Blue)	Same motion as ⑤.
⑧ R7278	Horizontal Skew Adjustment (Red)	
⑨ R7334	Horizontal Skew Adjustment (Blue)	Same motion as ⑧.
⑩ R7241	Right side of the Horizontal Side (Red)	
⑪ R7242	Left side of the Horizontal Size (Red)	
⑫ R7297	Right side of the Horizontal Size (Blue)	Same motion as ⑩.
⑬ R7298	Left side of the Horizontal Size (Blue)	Same motion as ⑪.

SUB Adjustment

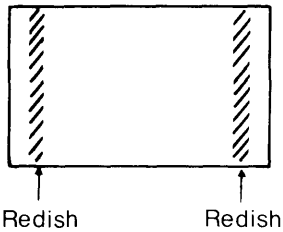
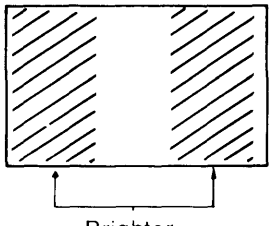
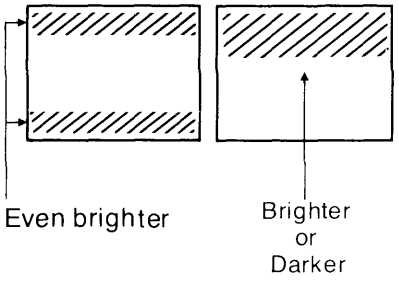
Indication Control No.	Subject of Adjustment	Motion
R7270 (R7326) R7272 (R7328) R7273 (7329) R7271 (R7327) R7243 (R7299) R7245 (R7301) R7246 (R7302) R7244 (R7300)	To adjust corner convergence A. Confirm that the horizontal and vertical center lines of all three rasters cross at the center. B. Confirm that the center of the top and bottom horizontal lines of all three rasters are converged at the center point. C. Confirm that the center of the left and right vertical lines of all three rasters are converged at the center point. If A, B and C are all converged properly. If they are not converged properly, readjust the main dynamic convergence control. SUB control cannot compensate for misconvergence. Converge the four corners using controls.	

10. Shading Correction

Input a white pattern or snow noise signal and turn the Color Control fully counterclockwise. If brightness or color appears uneven, adjust the following controls on B-board. [Fig.33]



[Fig.33]

R534	R606	R552 R545
		
Adjust the color shading control (R534), so that entire picture is white.	Adjust the Horizontal shading control (R606), so that the Brightness level is even across the screen.	Adjust the Vertical shading control (R552), (R545).

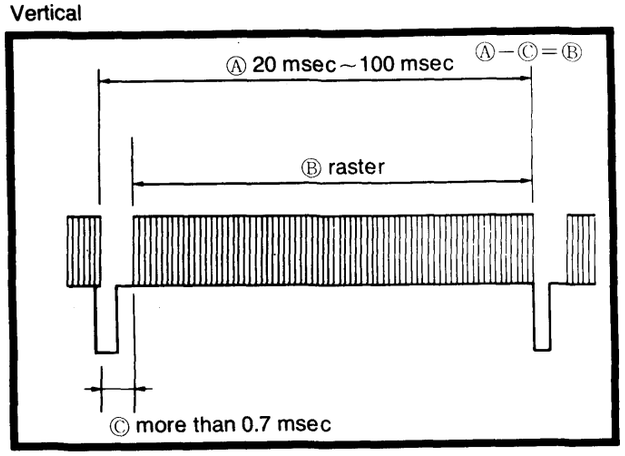
Computer Application

■ PT-105 FREQUENCY TIMING CHART

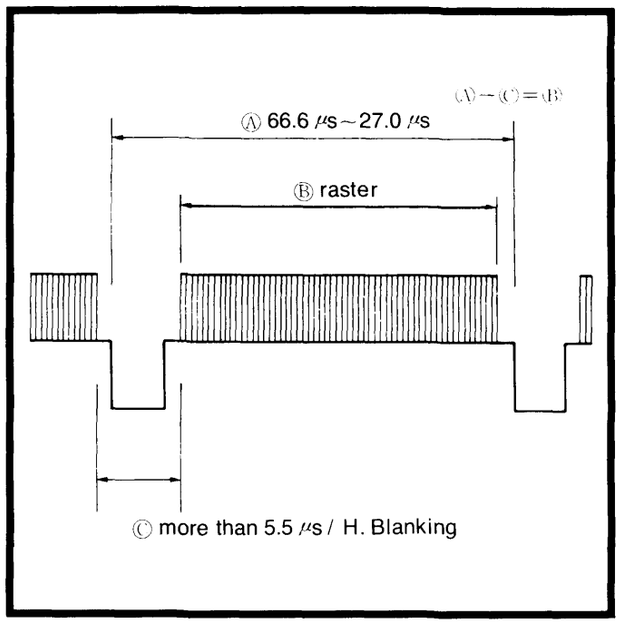
When PT-105 is connected to a computer, check the scanning frequency (or time), display time, and blanking time of horizontal and vertical, compare with the following timing chart.

- Reference: PT-105 f_H=15~37KHz
  f_V=50~100Hz

Vertical

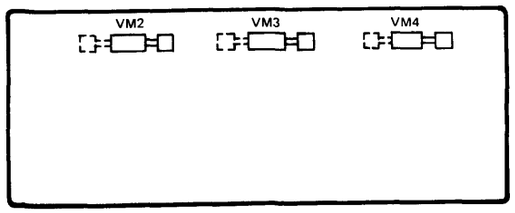


Horizontal

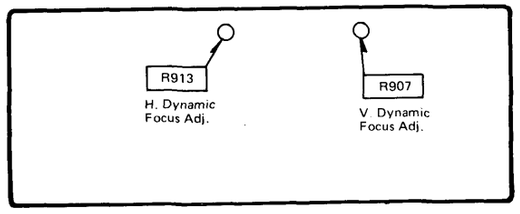


LOCATION OF TEST POINT AND CONTROLS

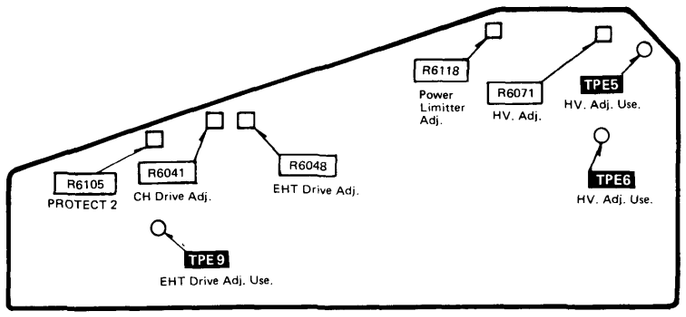
VM–Board (TNP100751)



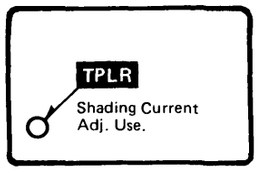
DF–Board (TNP100750)



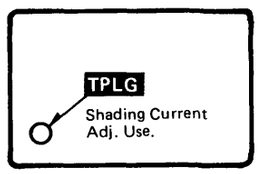
E–Board (TNP100749)



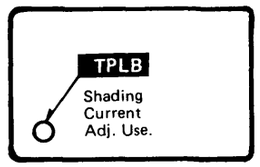
LR-Board (TNP100754)



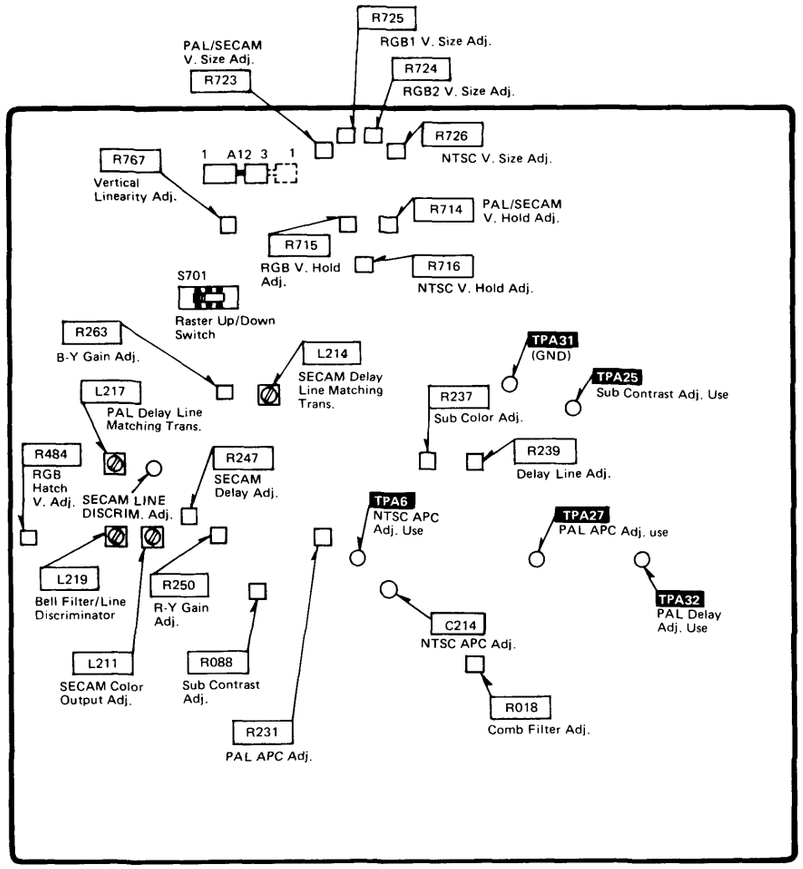
LG-Board (TNP100756)



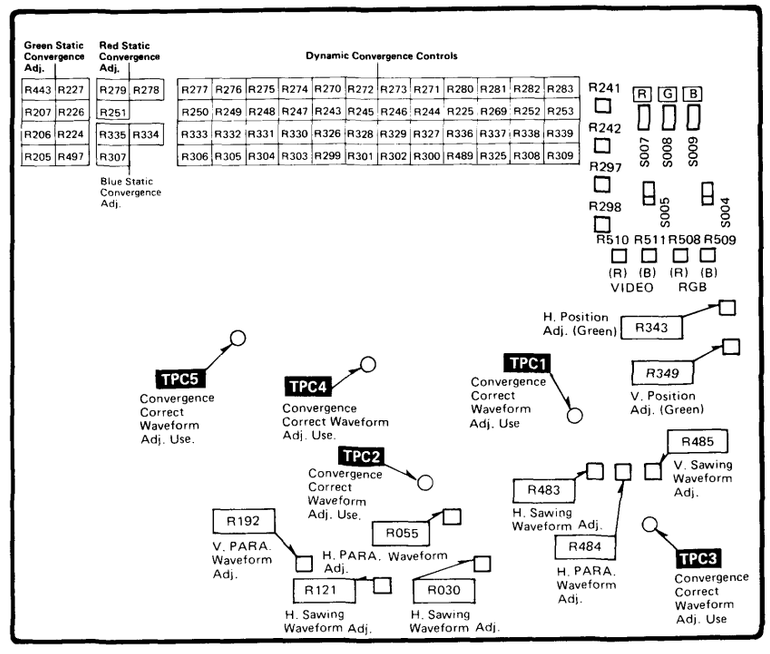
LB-Board (TNP100758)



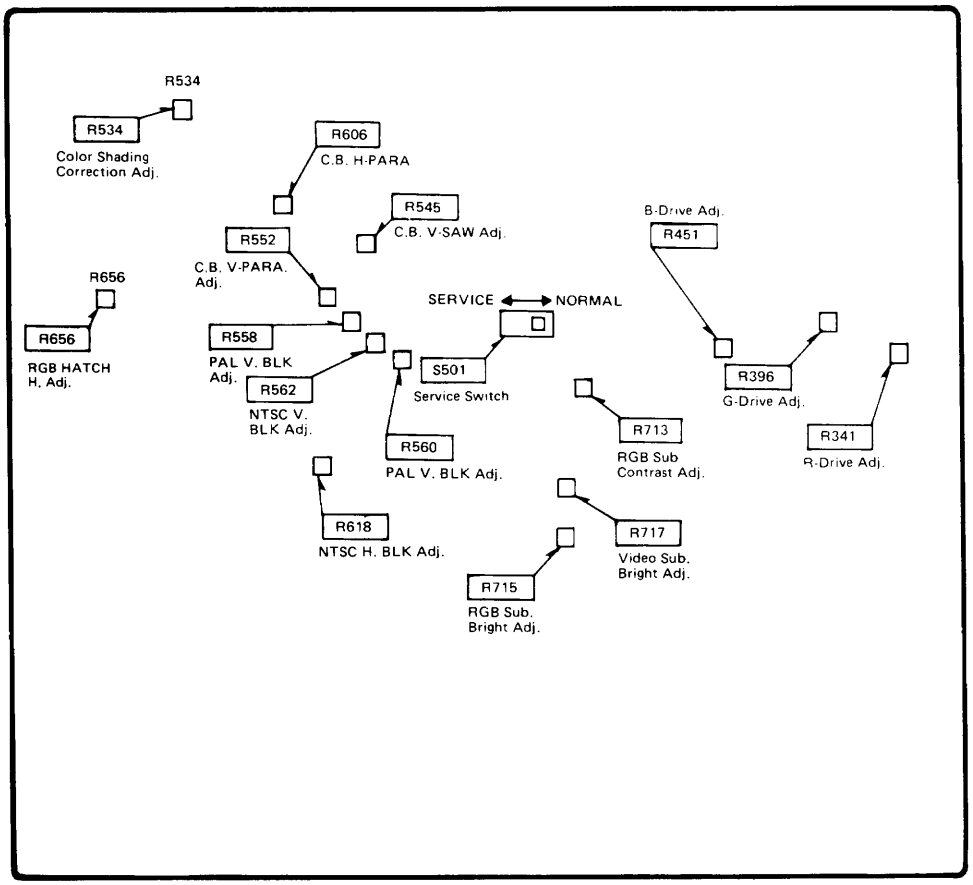
A-Board (TNP100739) REF. No. 4000 Series (R725 – R4725)



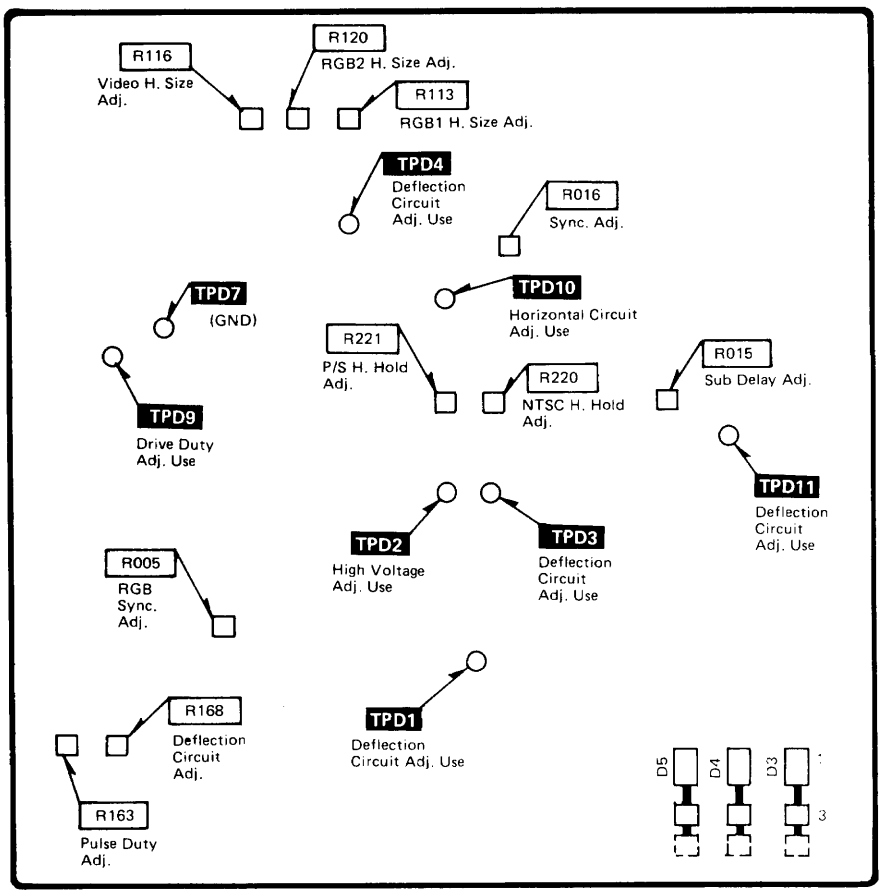
C-Board (TNP100741) REF. No. 7000 Series (R241 ➞R7421)



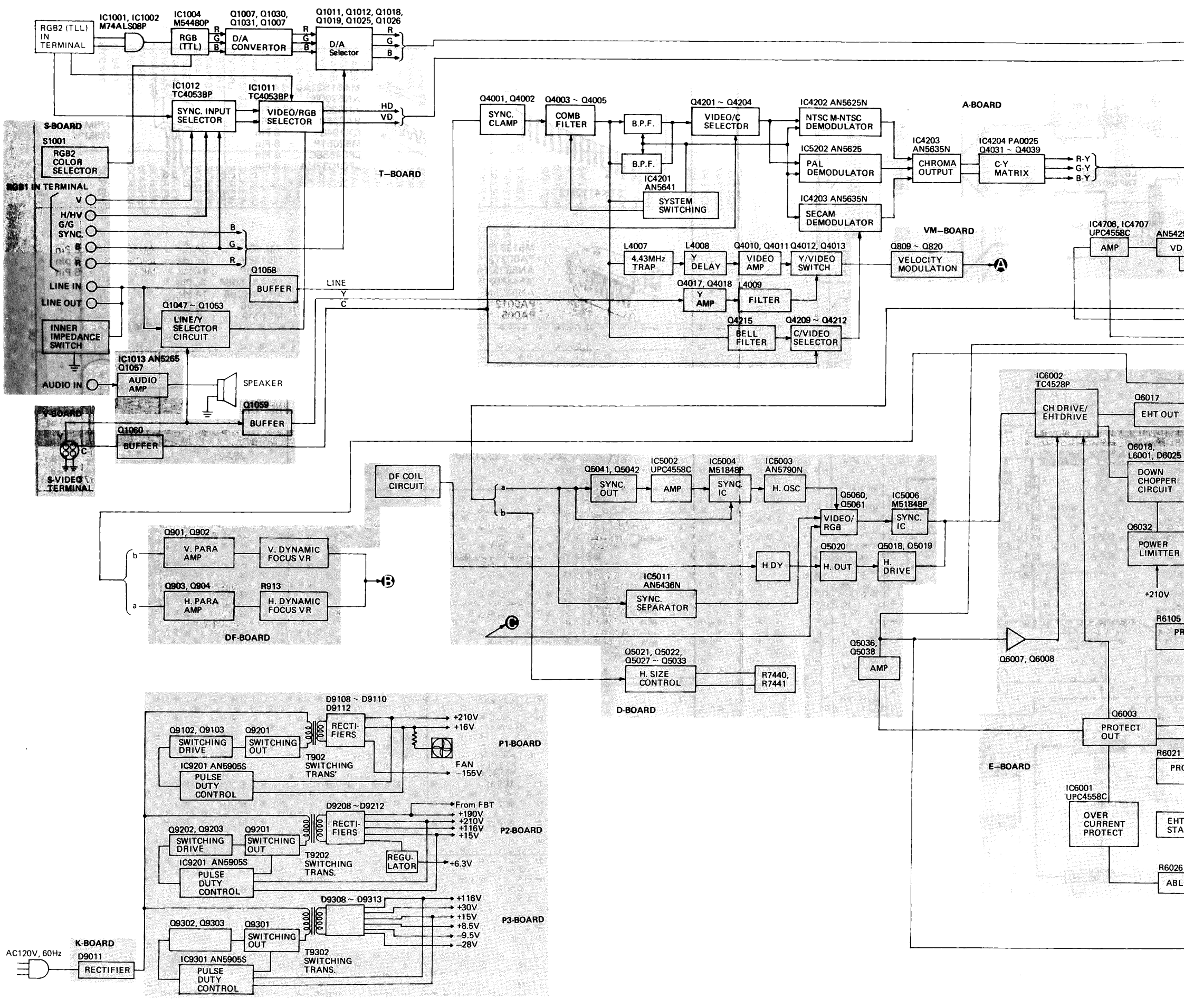
B-Board (TNP100740)

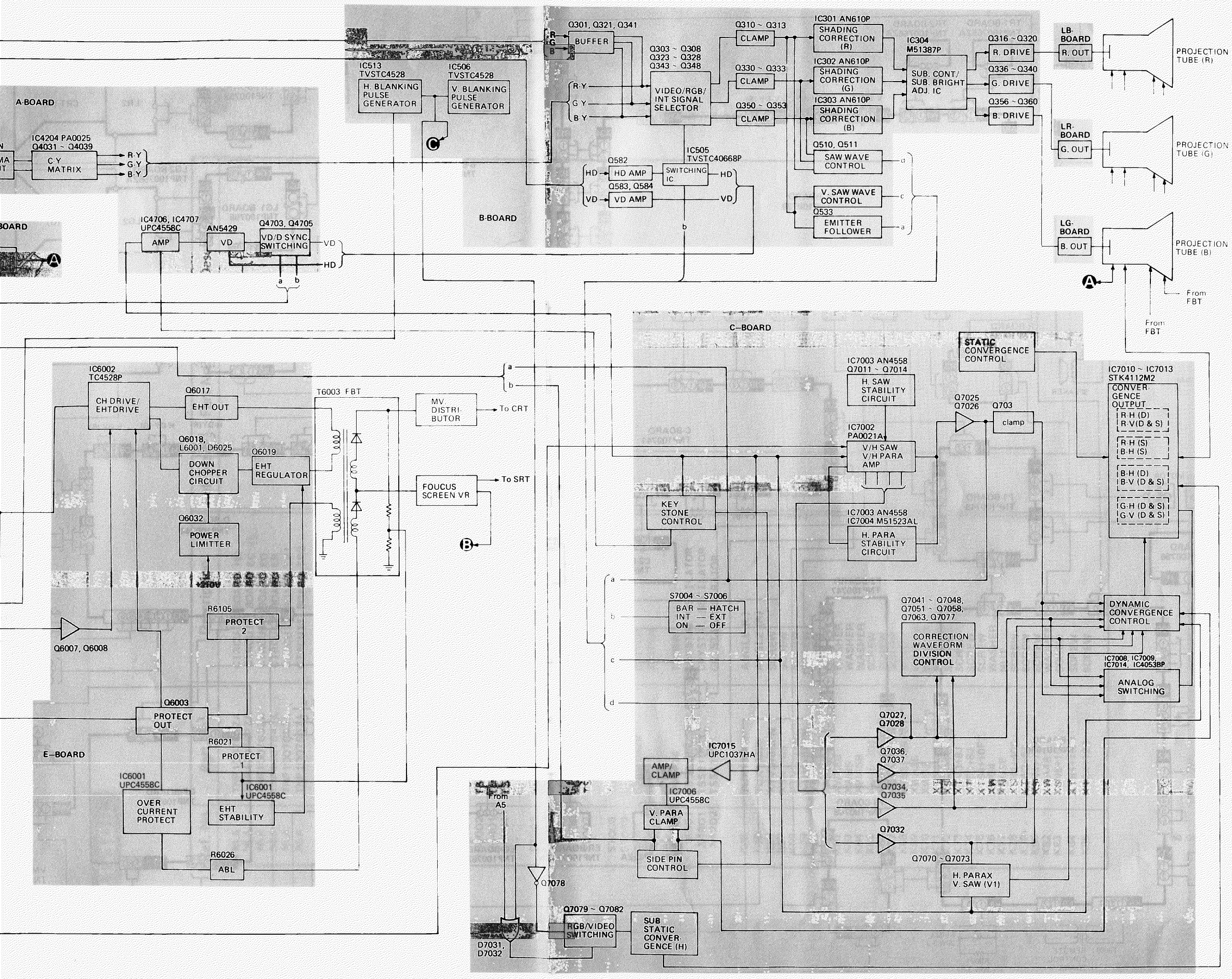


D-Board (TNP100744)
REF. No. 5000 Series (R120 ►R5120)

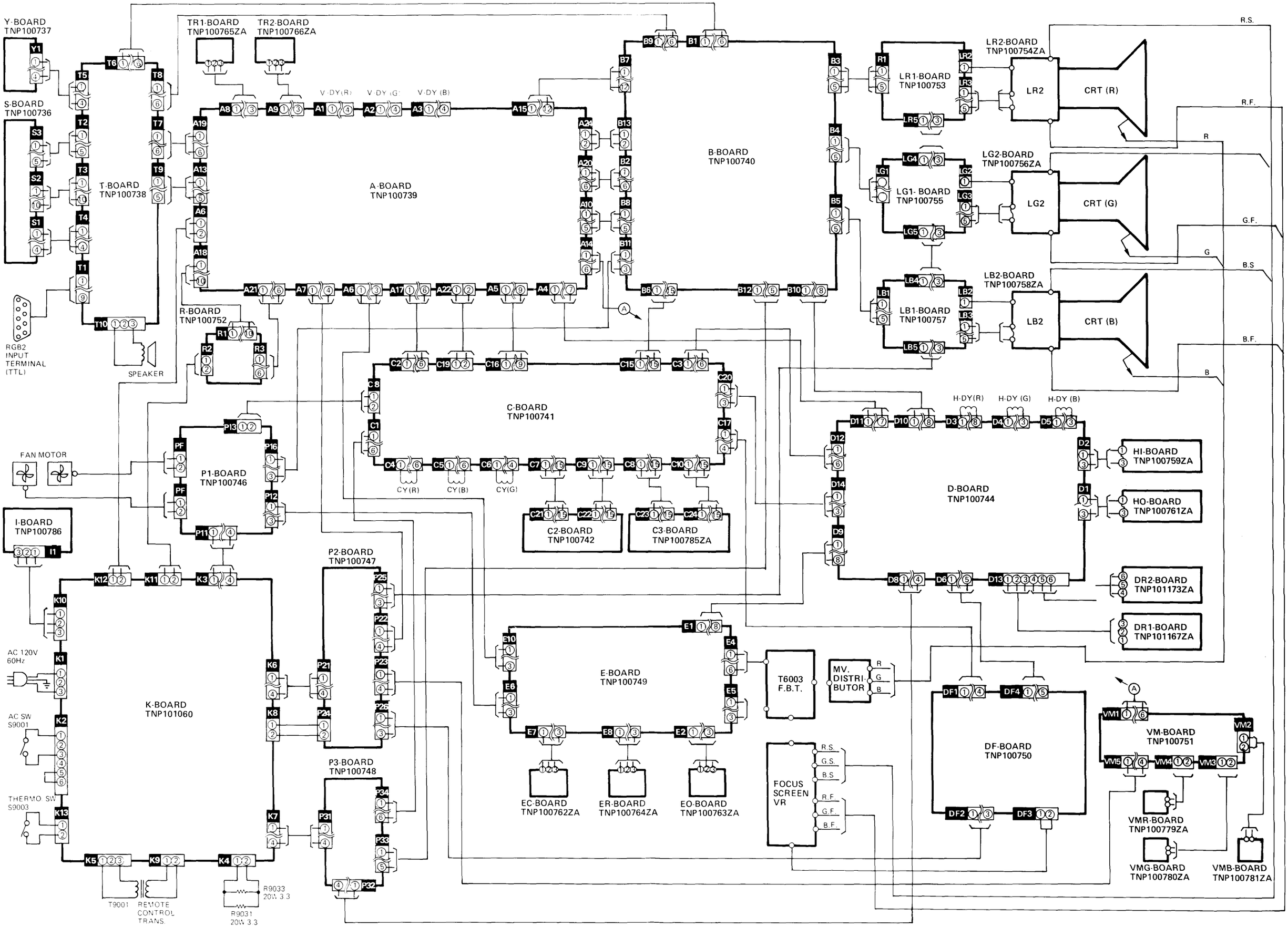


BLOCK DIAGRAM

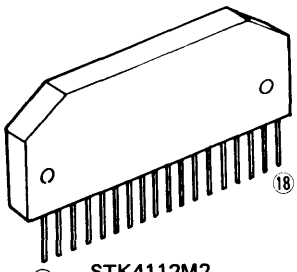



A-BOARD
IC4204 PA0025
Q4031 ~ Q4039
C-Y MATRIX
R-Y
G-Y
B-Y
IC513
TVSTC4528
H. BLANKING PULSE GENERATOR
IC506
TVSTC4528
V. BLANKING PULSE GENERATOR
B-BOARD
Q301, Q321, Q341
BUFFER
R
G
B
R-Y
G-Y
B-Y
Q303 ~ Q308
Q323 ~ Q328
Q343 ~ Q348
VIDEO/RGB/ INT SIGNAL SELECTOR
Q310 ~ Q313
CLAMP
Q330 ~ Q333
CLAMP
Q350 ~ Q353
CLAMP
IC301 AN610P
SHADING CORRECTION (R)
IC302 AN610P
SHADING CORRECTION (G)
IC303 AN610P
SHADING CORRECTION (B)
IC304
M51387P
SUB. CONT/ SUB. BRIGHT ADJ. IC
Q316 ~ Q320
R. DRIVE
Q336 ~ Q340
G. DRIVE
Q356 ~ Q360
B. DRIVE
LB-BOARD
R. OUT
LR-BOARD
G. OUT
LG-BOARD
B. OUT
PROJECTION TUBE (R)
PROJECTION TUBE (G)
PROJECTION TUBE (B)
IC505
TVSTC40668P
Q582
HD
HD AMP
SWITCHING IC
Q583, Q584
VD
VD AMP
Q510, Q511
SAW WAVE CONTROL
V. SAW WAVE CONTROL
Q533
EMITTER FOLLOWER
IC4706, IC4707
UPC4558C
AMP
AN5429
VD
Q4703, Q4705
VD/D SYNC. SWITCHING
VD
HD
a
b
c
d
From FBT
C-BOARD
STATIC CONVERGENCE CONTROL
IC7003 AN4558
Q7011 ~ Q7014
H. SAW STABILITY CIRCUIT
IC7002
PA0021A
V/H SAW V/H PARA AMP
IC7003 AN4558
IC7004 M51523AL
H. PARA STABILITY CIRCUIT
KEY STONE CONTROL
Q7025
Q7026
Q703
clamp
IC7010 ~ IC7013
STK4112M2
CONVER-GENCE OUTPUT
R-H (D)
R-V (D & S)
R-H (S)
B-H (S)
B-H (D)
B-V (D & S)
G-H (D & S)
G-V (D & S)
S7004 ~ S7006
BAR — HATCH
INT — EXT
ON — OFF
Q7041 ~ Q7048,
Q7051 ~ Q7058,
Q7063, Q7077
CORRECTION WAVEFORM DIVISION CONTROL
DYNAMIC CONVERGENCE CONTROL
IC7008, IC7009,
IC7014, IC4053BP
ANALOG SWITCHING
Q7027,
Q7028
Q7036,
Q7037
Q7034,
Q7035
Q7032
IC7015
UPC1037HA
AMP/ CLAMP
IC7006
UPC4558C
V. PARA CLAMP
SIDE PIN CONTROL
Q7070 ~ Q7073
H. PARAX V. SAW (V1)
From A5
Q7078
Q7079 ~ Q7082
RGB/VIDEO SWITCHING
SUB STATIC CONVER-GENCE (H)
D7031,
D7032
E-BOARD
IC6002
TC4528P
CH DRIVE/ EHTDRIVE
Q6017
EHT OUT
T6003 FBT
MV DISTRI-BUTOR
To CRT
Q6018,
L6001, D6025
DOWN CHOPPER CIRCUIT
Q6019
EHT REGULATOR
FOUCUS SCREEN VR
To SRT
Q6032
POWER LIMITTER
+210V
R6105
PROTECT 2
Q6007, Q6008
Q6003
PROTECT OUT
R6021
PROTECT 1
IC6001
UPC4558C
OVER CURRENT PROTECT
IC6001
UPC4558C
EHT STABILITY
R6026
ABL

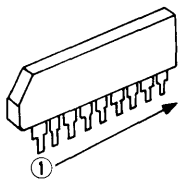
INTERCONNECTION



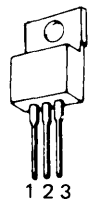
TERMINAL GUIDE OF IC'S, TRANSISTORS AND DIODES



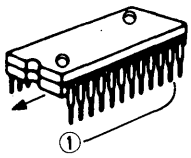
① STK4112M2



MA51523AL : 14 Pin
AN5790N : 12 Pin
AN5265 : 9 Pin
BA236B : 9 Pin
CX7948 : 8 Pin
M52051P : 8 Pin
μPC4558C : 8 Pin
μPC1037HA : 7 Pin

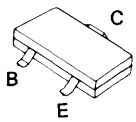


AN78M05
AN78M12
AN78M24



M51387P	: 30 Pin	AN5429	: 18 Pin	74LS03	: 14 Pin	AN4558	: 8 Pin
PA0021A	: 28 Pin	AN5641	: 18 Pin	M5147P	: 14 Pin	μPC1555C	: 8 pin
AN5635NA	: 24 Pin	TC4052BP	: 16 Pin	AN610P	: 14 Pin	M5223P	: 8 Pin
M54480P	: 24 Pin	TC4053BP	: 16 Pin	M74ALS08P	: 14 Pin		
AN5625N	: 22 Pin	TC4528BP	: 16 Pin	MN74HC86	: 14 Pin		
PA0012	: 22 Pin	TC4011BP	: 14 Pin	AN6558	: 8 Pin		
PA005	: 18 Pin	74LS00	: 14 Pin	M5184P	: 8 Pin		

2SC1505 2SA1381
2SA958F 2SB1011
2SC1685 2SC2851
2SD940 2SA1499
2SD1264 2SC2085
2SC1326 2SC1254



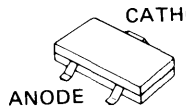
2SD601
2SC2295
2SB709

2SA564

2SC1573

MA1110M
MA1036
MA1130M
MA1062M
MA1047M
MA704A
MA1075M
MA1056L

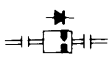
QB105ZB
QB124ZB



MA151WK

RM1
RU1
RU2
EU01N

MA150
MA162
MA27WA
MA27TA
MA28T
MA151K
MA152K



2715M

MA156

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SEE DIAGRAMS FILE

FOR PARTS

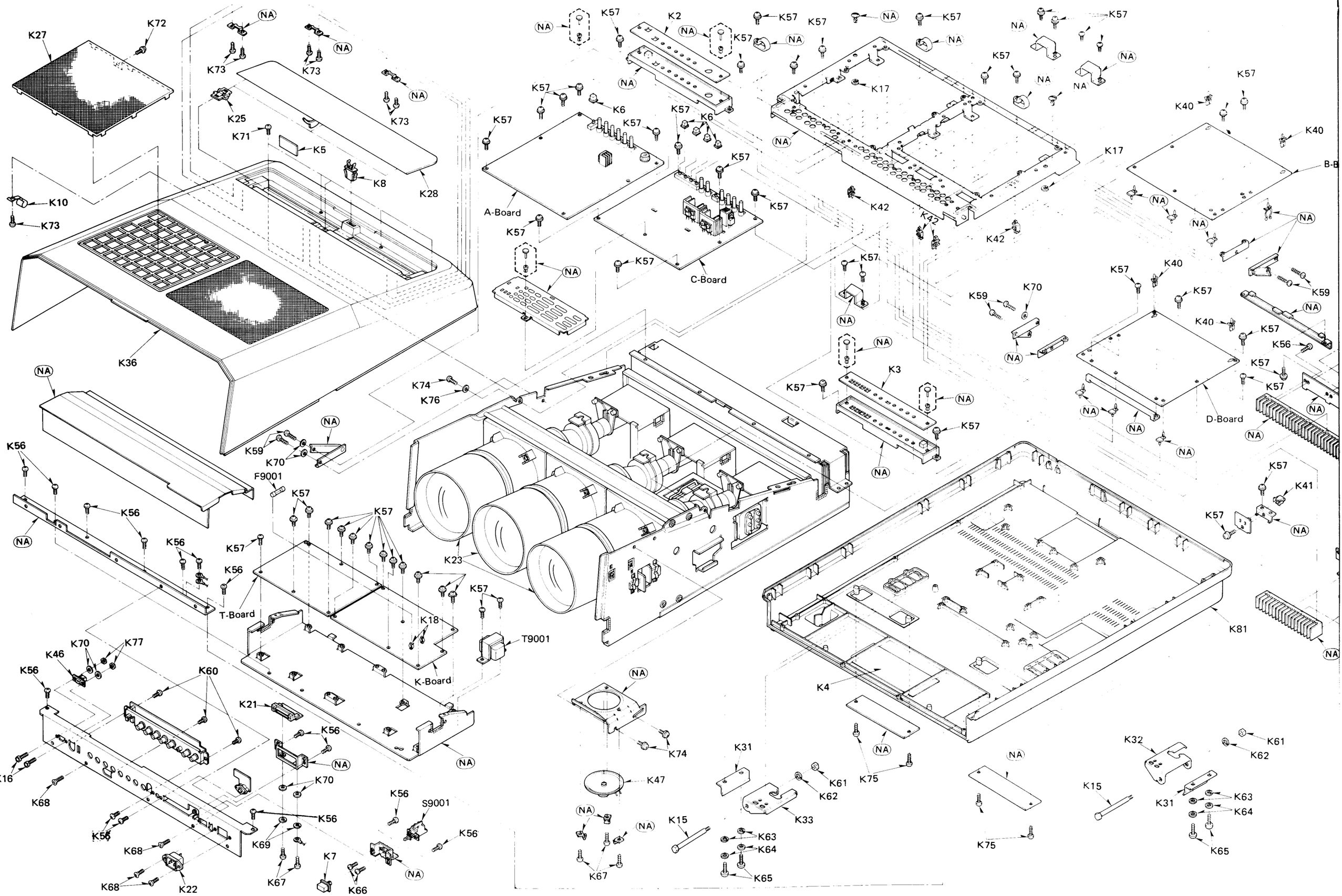
CONTINUE

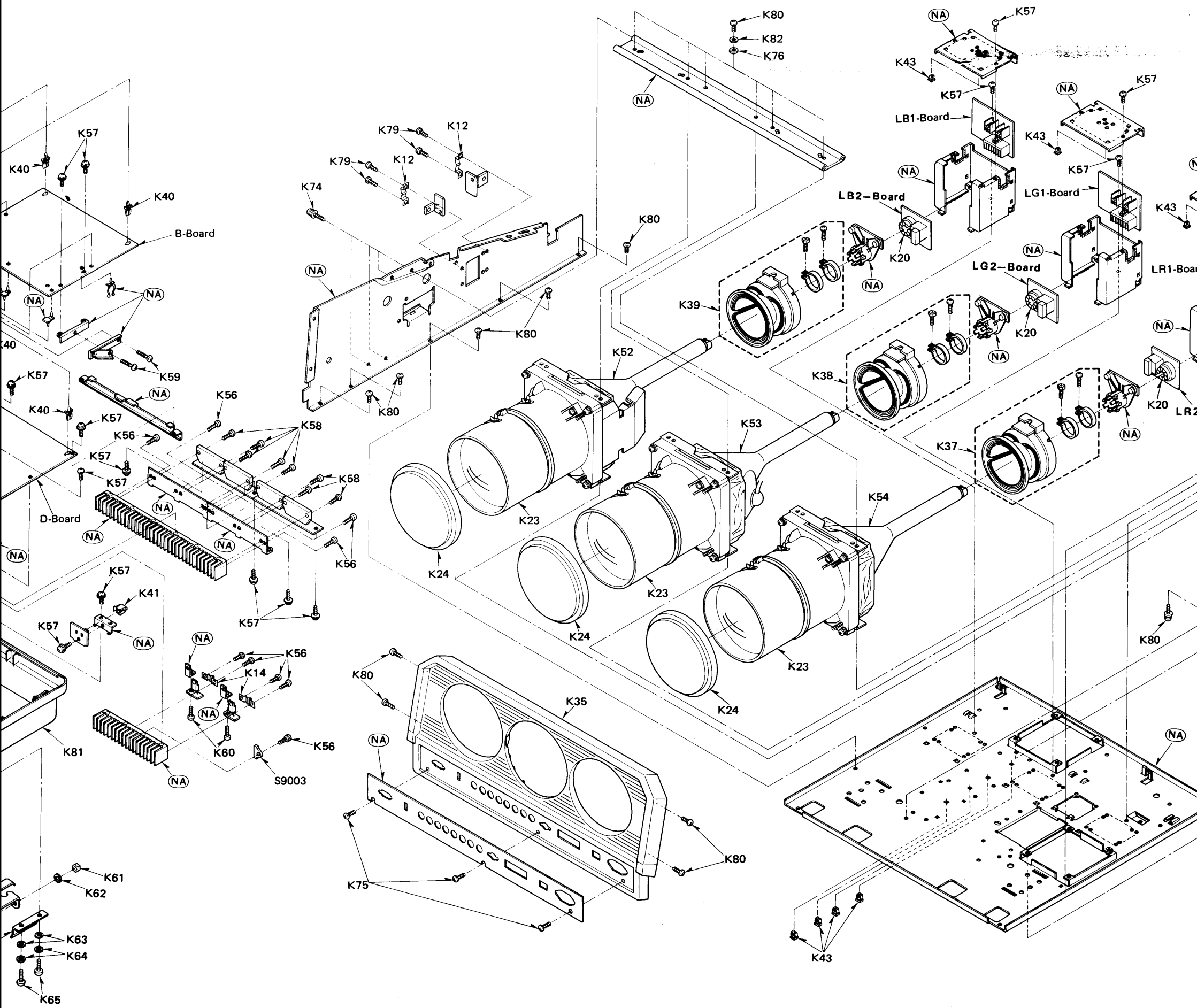
HERE

PANASONIC PT 105

PARTS

EXPLODED VIEWS

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K76
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K57
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LB1-Board
LB2–Board
LG1-Board
LG2–Board
K20
K39
K38
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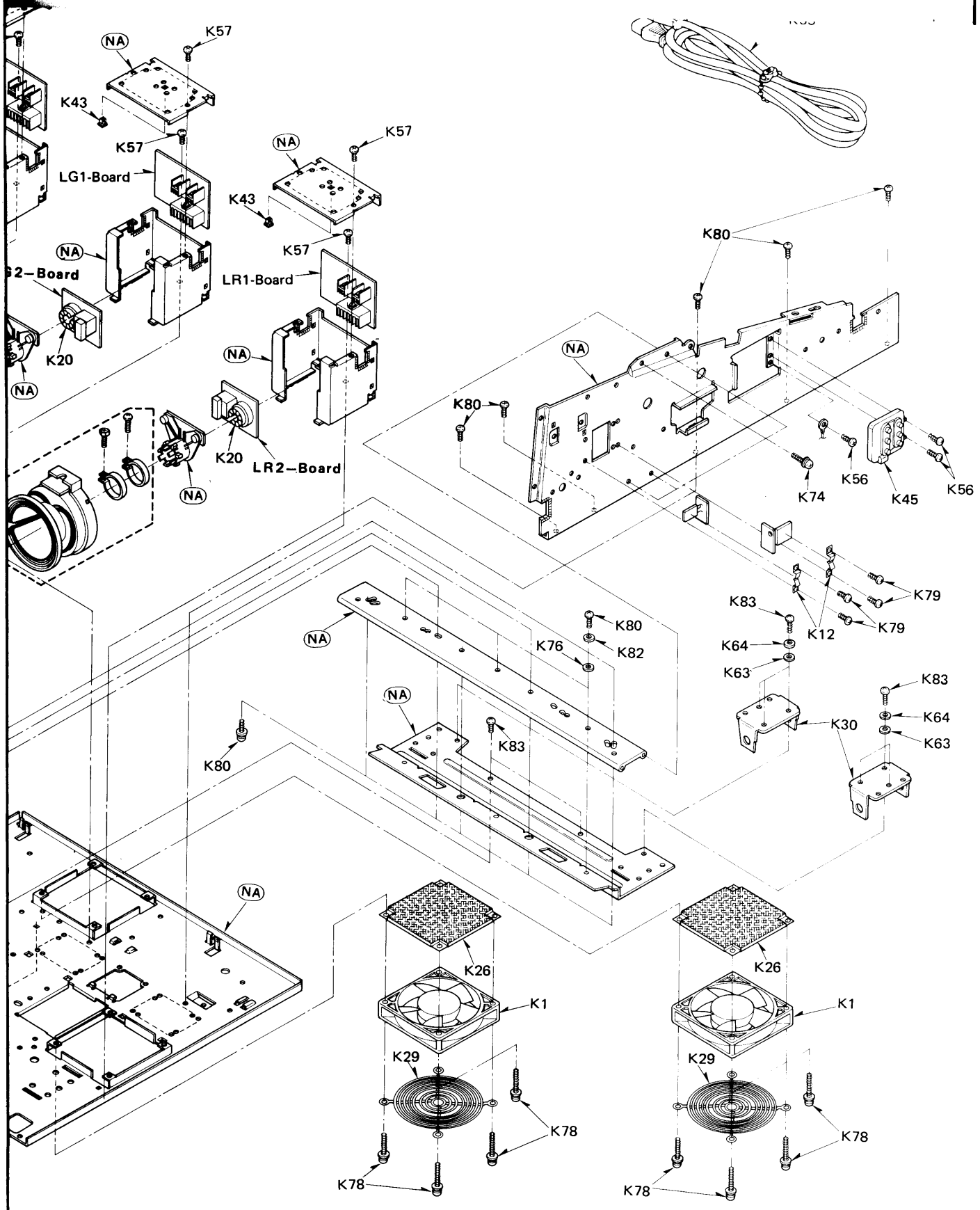
K12
K74
K40
B-Board
K59
K56
K58
D-Board
K41
K14
K60
S9003
K81
K61
K62
K63
K64
K65
K52
K53
K54
K23
K24
K35
K75
LR1-Boa
LR2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LG1-Board
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K57
K43
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LR1-Board
NA
K20
NA
K20
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K63
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NA
K80
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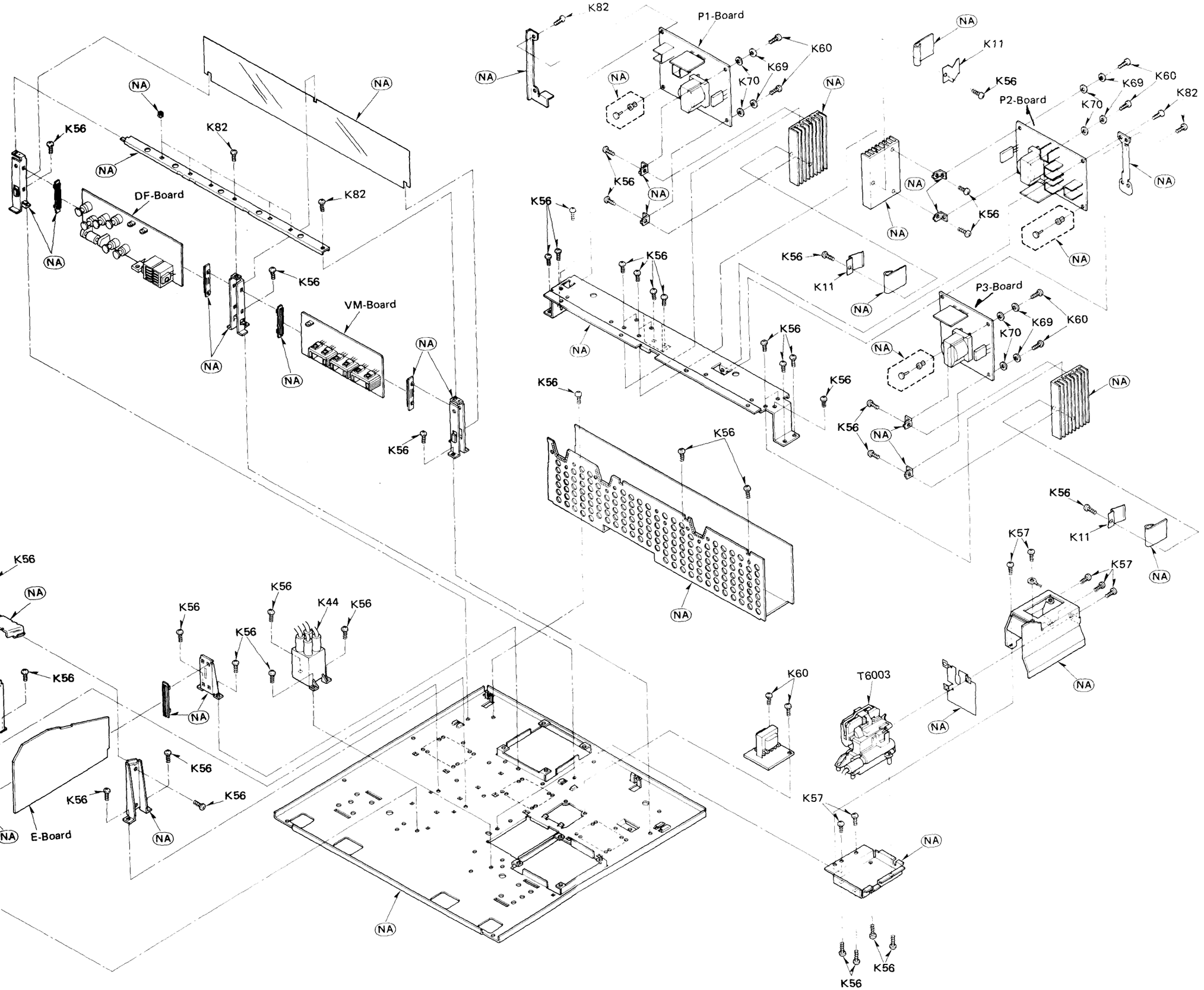
K78
K78
K26
K1
K29
K78
K78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K60
K69
K70
NA
K11
K56
P2-Board
K82
DF-Board
VM-Board
P3-Board
E-Board
K44
T6003
K57

REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by the International symbol ⚠ have special characteristics important for safety. When replacing any of these components use only manufacture's specified Parts.

Abbreviation of Part Name and Description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W
TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Carbon F : Fuse M : Metal Oxide Metal Film S : Solid W : Wire Wound	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20%

2. Capacitor

Example:

ECKF1H103ZF C 0.01PF, Z, 50V
TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Ceramic E : Electrolytic P : Polyester PP : Polypropylene S : Styrol T : Tantalum	C : ±0.25 pF D : ±0.5 pF F : ±1 pF J : ±5% K : ±10% L : ±15% M : ±20% P : ±100%,−0% Z : ±80%,−20%

RESISTORS

Ref. No.	Part No.	Description
R301	ERD25TJ471	C 470 OHM J
R302	ERJ8GCYJ473	M 47KOHM, J, 1/8W
R303	ERJ8GCYJ473	M 47KOHM, J, 1/8W
R304	ERJ8GCYJ471	M 470OHM, J, 1/8W
R305	ERJ8GCYJ152	M 1.5KOHM, J, 1/8W
R306	ERJ8GCYJ104	M 100KOHM, J, 1/8W
R307	ERJ8GCYJ473	M 47KOHM, J, 1/8W
R308	ERJ8GCYJ473	M 47KOHM, J, 1/8W
R309	ERJ8GCYJ152	M 1.5KOHM, J, 1/8W
R310	ERJ8GCYJ104	M 100KOHM, J, 1/8W
R311	ERJ8GCYJ221	M 220OHM, J, 1/8W
R312	ERJ8GCYJ221	M 220OHM, J, 1/8W
R313	ERJ8GCYJ272	M 2.7KOHM, J, 1/8W
R314	ERJ8GCYJ104	M 100KOHM, J, 1/8W
R315	ERJ8GCYJ221	M 220OHM, J, 1/8W
R316	ERJ8GCYJ152	M 1.5KOHM, J, 1/8W
R317	ERJ8GCYJ473	M 47KOHM, J, 1/8W
R318	ERJ8GCYJ473	M 47KOHM, J, 1/8W
R319	ERJ8GCYJ103	M 10KOHM, J, 1/8W
R320	ERJ8GCYJ182	M 1.8KOHM, J, 1/8W
R321	ERJ8GCYJ101	M 100OHM, J, 1/8W
R322	ERJ8GCYJ821	M 820OHM, J, 1/8W
R323	ERJ8GCYJ103	M 10KOHM, J, 1/8W
R324	ERJ8GCYJ821	M 820OHM, J, 1/8W
R325	ERJ8GCYJ563	M 56KOHM, J, 1/8W
R326	ERJ8GCYJ472	M 4.7KOHM, J, 1/8W
R327	ERJ8GCYJ271	M 270OHM, J, 1/8W
R328	ERJ8GCYJ330	M 33OHM, J, 1/8W
R329	ERJ8GCYJ271	M 270OHM, J, 1/8W
R330	ERJ8GCYJ151	M 150OHM, J, 1/8W
R331	ERJ8GCYJ331	M 330OHM, J, 1/8W
R332	ERJ8GCYJ271	M 270OHM, J, 1/8W
R333	ERJ8GCYJ101	M 100OHM, J, 1/8W
R334	ERJ8GCYJ271	M 270OHM, J, 1/8W
R335	ERJ8GCYJ103	M 10KOHM, J, 1/8W
R336	ERJ8GCYJ102	M 1KOHM, J, 1/8W
R337	ERJ8GCYJ561	M 560OHM, J, 1/8W
R338	ERJ8GCYJ561	M 560OHM, J, 1/8W
R339	ERJ8GCYJ561	M 560OHM, J, 1/8W
R340	ERJ8GCYJ223	M 22KOHM, J, 1/8W
R341	EVND4AA00B14	CONTROL 10KOHMB
R342	ERJ8GCYJ103	M 10KOHM, J, 1/8W
R343	ERJ8GCYJ471	M 470OHM, J, 1/8W
R344	ERJ8GCYJ823	M 82KOHM, J, 1/8W
R345	ERJ8GCYJ330	M 33OHM, J, 1/8W
R346	ERD25TJ561	C 560 OHM J
R347	ERD25TJ471	C 470 OHM J
R348	ERD25TJ331	C 330 OHM J
R349	ERJ8GCYJ102	M 1KOHM, J, 1/8W
R350	ERD25TJ681	C 680 OHM J
R351	ERDS1TJ152	C 1.5KOHM, J, 1/2W
R352	ERJ8GCYJ330	M 33OHM, J, 1/8W
R353	ERG1SJ101P	M 100OHM, J, 1W
R354	ERJ8GCYK5R6	M 5.6OHM, K, 1/8W
R355	ERJ8GCYJ103	M 10KOHM, J, 1/8W
R356	ERD25TJ471	C 470 OHM J
R357	ERJ8GCYJ473	M 47KOHM, J, 1/8W
R358	ERJ8GCYJ473	M 47KOHM, J, 1/8W
R359	ERJ8GCYJ471	M 470OHM, J, 1/8W
R360	ERJ8GCYJ152	M 1.5KOHM, J, 1/8W
R361	ERJ8GCYJ104	M 100KOHM, J, 1/8W
R362	ERJ8GCYJ473	M 47KOHM, J, 1/8W
R363	ERJ8GCYJ473	M 47KOHM, J, 1/8W
R364	ERJ8GCYJ152	M 1.5KOHM, J, 1/8W
R365	ERJ8GCYJ104	M 100KOHM, J, 1/8W
R366	ERJ8GCYJ221	M 220OHM, J, 1/8W
R367	ERJ8GCYJ221	M 220OHM, J, 1/8W

Ref. No.	Part No.	Description
R368	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R369	ERJ8GCYJ104	M 100KOHM, J,1/8W
R370	ERJ8GCYJ221	M 220OHM, J,1/8W
R371	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R372	ERJ8GCYJ473	M 47KOHM, J,1/8W
R373	ERJ8GCYJ473	M 47KOHM, J,1/8W
R374	ERJ8GCYJ101	M 100OHM, J,1/8W
R375	ERJ8GCYJ821	M 820OHM, J,1/8W
R376	ERJ8GCYJ103	M 10KOHM, J,1/8W
R377	ERJ8GCYJ563	M 56KOHM, J,1/8W
R378	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R379	ERJ8GCYJ271	M 270OHM, J,1/8W
R380	ERJ8GCYJ330	M 33OHM, J,1/8W
R381	ERJ8GCYJ102	M 1KOHM, J,1/8W
R382	ERJ8GCYJ271	M 270OHM, J,1/8W
R383	ERJ8GCYJ151	M 150OHM, J,1/8W
R384	ERJ8GCYJ331	M 330OHM, J,1/8W
R385	ERJ8GCYJ271	M 270OHM, J,1/8W
R386	ERJ8GCYJ101	M 100OHM, J,1/8W
R387	ERJ8GCYJ271	M 270OHM, J,1/8W
R388	ERJ8GCYJ102	M 1KOHM, J,1/8W
R389	ERJ8GCYJ561	M 560OHM, J,1/8W
R390	ERJ8GCYJ561	M 560OHM, J,1/8W
R391	ERJ8GCYJ561	M 560OHM, J,1/8W
R392	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R393	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R394	ERJ8GCYJ101	M 100OHM, J,1/8W
R395	ERJ8GCYJ223	M 22KOHM, J,1/8W
R396	EVND4AA00B14	CONTROL 10KOHMB
R397	ERJ8GCYJ103	M 10KOHM, J,1/8W
R398	ERJ8GCYJ471	M 470OHM, J,1/8W
R399	ERJ8GCYJ823	M 82KOHM, J,1/8W
R400	ERJ8GCYJ330	M 33OHM, J,1/8W
R401	ERD25TJ561	C 560 OHM J
R402	ERD25TJ471	C 470 OHM J
R403	ERD25TJ331	C 330 OHM J
R404	ERJ8GCYJ102	M 1KOHM, J,1/8W
R405	ERD25TJ821	C 820 OHM J
R406	ERJ8GCYJ103	M 10KOHM, J,1/8W
R407	ERDS1TJ152	C 1.5KOHM, J,1/2W
R408	ERJ8GCYJ330	M 33OHM, J,1/8W
R409	ERG1SJ101P	M 100OHM, J, 1W
R410	ERJ8GCYK5R6	M 5.6OHM, K,1/8W
R411	ERJ8GCYJ821	M 820OHM, J,1/8W
R412	ERD25TJ471	C 470 OHM J
R413	ERJ8GCYJ473	M 47KOHM, J,1/8W
R414	ERJ8GCYJ473	M 47KOHM, J,1/8W
R415	ERJ8GCYJ471	M 470OHM, J,1/8W
R416	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R417	ERJ8GCYJ104	M 100KOHM, J,1/8W
R418	ERJ8GCYJ473	M 47KOHM, J,1/8W
R419	ERJ8GCYJ473	M 47KOHM, J,1/8W
R420	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R421	ERJ8GCYJ104	M 100KOHM, J,1/8W
R422	ERJ8GCYJ221	M 220OHM, J,1/8W
R423	ERJ8GCYJ221	M 220OHM, J,1/8W
R424	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R425	ERJ8GCYJ104	M 100KOHM, J,1/8W
R426	ERJ8GCYJ221	M 220OHM, J,1/8W
R427	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R428	ERJ8GCYJ473	M 47KOHM, J,1/8W
R429	ERJ8GCYJ473	M 47KOHM, J,1/8W
R430	ERJ8GCYJ101	M 100OHM, J,1/8W
R431	ERJ8GCYJ821	M 820OHM, J,1/8W
R432	ERJ8GCYJ821	M 820OHM, J,1/8W
R433	ERJ8GCYJ103	M 10KOHM, J,1/8W
R434	ERJ8GCYJ563	M 56KOHM, J,1/8W
R435	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R436	ERJ8GCYJ271	M 270OHM, J,1/8W
R437	ERJ8GCYJ330	M 33OHM, J,1/8W
R438	ERJ8GCYJ102	M 1KOHM, J,1/8W
R439	ERJ8GCYJ271	M 270OHM, J,1/8W
R440	ERJ8GCYJ151	M 150OHM, J,1/8W
R441	ERJ8GCYJ331	M 330OHM, J,1/8W
R442	ERJ8GCYJ271	M 270OHM, J,1/8W
R443	ERJ8GCYJ101	M 100OHM, J,1/8W
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R447	ERJ8GCYJ561	M 560OHM, J,1/8W
R448	ERJ8GCYJ561	M 560OHM, J,1/8W
R449	ERJ8GCYJ561	M 560OHM, J,1/8W
R450	ERJ8GCYJ223	M 22KOHM, J,1/8W
R451	EVND4AA00B14	CONTROL 10KOHMB
R452	ERJ8GCYJ103	M 10KOHM, J,1/8W
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R455	ERJ8GCYJ102	M 1KOHM, J,1/8W
R456	ERJ8GCYJ102	M 1KOHM, J,1/8W
R457	ERJ8GCYJ330	M 33OHM, J,1/8W
R458	ERD25TJ561	C 560 OHM J
R459	ERD25TJ391	C 390 OHM J
R460	ERD25TJ331	C 330 OHM J
R461	ERJ8GCYJ102	M 1KOHM, J,1/8W
R462	ERD25TJ821	C 820 OHM J
R463	ERJ8GCYJ103	M 10KOHM, J,1/8W
R464	ERDS1TJ152	C 1.5KOHM, J,1/2W
R465	ERJ8GCYJ330	M 33OHM, J,1/8W
R466	ERG1SJ101P	M 100OHM, J, 1W
R467	ERJ8GCYK5R6	M 5.6OHM, K,1/8W
R468	ERD25TJ470	C 47OHM, J,1/4W
R469	ERD25TJ470	C 47OHM, J,1/4W
R470	ERD25TJ470	C 47OHM, J,1/4W
R471	ERJ8GCYJ684	M 680KOHM, J,1/8W
R472	ERJ8GCYJ684	M 680KOHM, J,1/8W
R473	ERJ8GCYJ684	M 680KOHM, J,1/8W
R474	ERJ8GCYJ684	M 680KOHM, J,1/8W
R475	ERJ8GCYJ684	M 680KOHM, J,1/8W
R476	ERJ8GCYJ684	M 680KOHM, J,1/8W
R477	ERJ8GCYJ684	M 680KOHM, J,1/8W
R478	ERJ8GCYJ684	M 680KOHM, J,1/8W
R479	ERJ8GCYJ684	M 680KOHM, J,1/8W

Ref. No.	Part No.	Description
R480	ERJ8GCYJ680	M 68OHM, J,1/8W
R481	ERJ8GCYJ680	M 68OHM, J,1/8W
R482	ERJ8GCYJ680	M 68OHM, J,1/8W
R483	ERJ8GCYJ390	M 39OHM, J,1/8W
R484	ERJ8GCYJ390	M 39OHM, J,1/8W
R485	ERJ8GCYJ390	M 39OHM, J,1/8W
R486	ERJ8GCYJ154	M 150KOHM, J,1/8W
R487	ERJ8GCYJ102	M 1KOHM, J,1/8W
R488	ERJ8GCYJ102	M 1KOHM, J,1/8W
R489	ERJ8GCYJ102	M 1KOHM, J,1/8W
R490	ERJ8GCYJ331	M 330OHM, J,1/8W
R491	ERJ8GCYJ331	M 330OHM, J,1/8W
R492	ERJ8GCYJ331	M 330OHM, J,1/8W
R501	ERJ8GCYJ102	M 1KOHM, J,1/8W
R502	ERJ8GCYJ123	M 12KOHM, J,1/8W
R503	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R504	ERJ8GCYJ153	M 15KOHM, J,1/8W
R505	ERJ8GCYJ102	M 1KOHM, J,1/8W
R506	ERJ8GCYJ103	M 10KOHM, J,1/8W
R510	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R511	ERJ8GCYJ473	M 47KOHM, J,1/8W
R512	ERG1SJ102P	M 1KOHM, J, 1W
R513	ERJ8GCYJ223	M 22KOHM, J,1/8W
R514	ERJ8GCYJ103	M 10KOHM, J,1/8W
R515	ERJ8GCYJ103	M 10KOHM, J,1/8W
R516	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R517	ERJ8GCYJ101	M 100OHM, J,1/8W
R518	ERJ8GCYJ103	M 10KOHM, J,1/8W
R519	ERJ8GCYJ223	M 22KOHM, J,1/8W
R520	ERD25TJ392	C 3.9K OHM J
R521	ERD25TJ564	C 560KOHM, J,1/4W
R522	ERJ8GCYJ101	M 100OHM, J,1/8W
R523	ERDS1FJ100	C 10OHM, J,1/2W
R524	ERJ8GCYJ223	M 22KOHM, J,1/8W
R525	ERJ8GCYJ223	M 22KOHM, J,1/8W
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R527	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R528	ERJ8GCYJ223	M 22KOHM, J,1/8W
R529	ERJ8GCYJ563	M 56KOHM, J,1/8W
R530	ERJ8GCYJ223	M 22KOHM, J,1/8W
R531	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R532	ERJ8GCYJ101	M 100OHM, J,1/8W
R533	ERJ8GCYJ102	M 1KOHM, J,1/8W
R534	EVND4AA00B54	CONTROL 50KOHMB
R535	ERJ8GCYJ563	M 56KOHM, J,1/8W
R536	ERJ8GCYJ223	M 22KOHM, J,1/8W
R537	ERJ8GCYJ102	M 1KOHM, J,1/8W
R538	ERJ8GCYJ102	M 1KOHM, J,1/8W
R539	ERJ8GCYJ101	M 100OHM, J,1/8W
R540	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R541	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R542	ERJ8GCYJ563	M 56KOHM, J,1/8W
R543	ERJ8GCYJ223	M 22KOHM, J,1/8W
R544	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R545	EVND4AA00B54	CONTROL 50KOHMB
R546	ERJ8GCYJ102	M 1KOHM, J,1/8W
R547	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R548	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R549	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R550	ERJ8GCYJ223	M 22KOHM, J,1/8W
R551	ERJ8GCYJ563	M 56KOHM, J,1/8W
R552	EVND4AA00B13	CONTROL 1KOHMB
R553	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R554	ERJ8GCYJ101	M 100OHM, J,1/8W
R555	ERJ8GCYJ223	M 22KOHM, J,1/8W
R556	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R557	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R558	EVND4AA00B23	CONTROL 2KOHMB
R559	ERJ8GCYJ104	M 100KOHM, J,1/8W
R560	EVND4AA00B54	CONTROL 50KOHMB
R561	ERJ8GCYJ823	M 82KOHM, J,1/8W
R562	EVND4AA00B54	CONTROL 50KOHMB
R563	ERJ8GCYJ393	M 39KOHM, J,1/8W
R564	ERJ8GCYJ224	M 220KOHM, J,1/8W
R565	ERJ8GCYJ223	M 22KOHM, J,1/8W
R566	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R567	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R568	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R569	ERJ8GCYJ223	M 22KOHM, J,1/8W
R570	ERJ8GCYJ223	M 22KOHM, J,1/8W
R571	ERJ8GCYJ223	M 22KOHM, J,1/8W
R572	ERJ8GCYJ105	M 1MOHM, J,1/8W
R573	ERJ8GCYJ101	M 100OHM, J,1/8W
R574	ERJ8GCYJ103	M 10KOHM, J,1/8W
R575	ERJ8GCYJ473	M 47KOHM, J,1/8W
R576	ERJ8GCYJ223	M 22KOHM, J,1/8W
R577	ERJ8GCYJ333	M 33KOHM, J,1/8W
R578	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R579	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R580	ERJ8GCYJ471	M 470OHM, J,1/8W
R581	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R582	ERJ8GCYJ102	M 1KOHM, J,1/8W
R583	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R584	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R585	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R586	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R587	ERJ8GCYJ473	M 47KOHM, J,1/8W
R588	ERJ8GCYJ223	M 22KOHM, J,1/8W
R589	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R590	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R591	ERJ8GCYJ153	M 15KOHM, J,1/8W
R592	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R593	ERJ8GCYJ473	M 47KOHM, J,1/8W
R594	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R595	ERJ8GCYJ473	M 47KOHM, J,1/8W
R596	ERJ8GCYJ473	M 47KOHM, J,1/8W
R597	ERJ8GCYJ153	M 15KOHM, J,1/8W
R598	ERJ8GCYJ101	M 100OHM, J,1/8W
R599	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R600	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R601	ERJ8GCYJ101	M 100OHM, J,1/8W
R602	ERJ8GCYJ272	M 2.7KOHM, J,1/8W

Ref. No.	Part No.	Description
R603	ERJ8GCYJ563	M 56KOHM, J,1/8W
R604	ERJ8GCYJ123	M 12KOHM, J,1/8W
R605	ERJ8GCYJ223	M 22KOHM, J,1/8W
R606	EVND4AA00B13	CONTROL 1KOHMB
R607	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R608	ERJ8GCYJ101	M 100OHM, J,1/8W
R609	ERJ8GCYJ223	M 22KOHM, J,1/8W
R610	ERJ8GCYJ223	M 22KOHM, J,1/8W
R611	ERJ8GCYJ101	M 100OHM, J,1/8W
R613	ERJ8GCYJ102	M 1KOHM, J,1/8W
R614	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R615	ERJ8GCYJ223	M 22KOHM, J,1/8W
R616	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R617	ERJ8GCYJ684	M 680KOHM, J,1/8W
R618	EVND4AA00B14	CONTROL 10KOHMB
R619	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R620	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R621	ERJ8GCYJ223	M 22KOHM, J,1/8W
R622	ERJ8GCYJ223	M 22KOHM, J,1/8W
R623	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R624	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R625	ERJ8GCYJ103	M 10KOHM, J,1/8W
R626	ERJ8GCYJ153	M 15KOHM, J,1/8W
R627	ERJ8GCYJ103	M 10KOHM, J,1/8W
R628	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R629	ERJ8GCYJ103	M 10KOHM, J,1/8W
R631	ERJ8GCYJ223	M 22KOHM, J,1/8W
R632	ERJ8GCYJ681	M 680OHM, J,1/8W
R633	ERJ8GCYJ561	M 560OHM, J,1/8W
R634	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R635	ERJ8GCYJ103	M 10KOHM, J,1/8W
R636	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R637	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R638	ERJ8GCYJ103	M 10KOHM, J,1/8W
R639	ERJ8GCYJ123	M 12KOHM, J,1/8W
R640	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R641	ERJ8GCYJ103	M 10KOHM, J,1/8W
R642	ERJ8GCYJ101	M 100OHM, J,1/8W
R643	ERJ8GCYJ102	M 1KOHM, J,1/8W
R644	ERJ8GCYJ333	M 33KOHM, J,1/8W
R645	ERJ8GCYJ123	M 12KOHM, J,1/8W
R646	ERJ8GCYJ102	M 1KOHM, J,1/8W
R647	ERJ8GCYJ103	M 10KOHM, J,1/8W
R648	ERJ8GCYJ103	M 10KOHM, J,1/8W
R649	ERJ8GCYJ123	M 12KOHM, J,1/8W
R650	ERJ8GCYJ103	M 10KOHM, J,1/8W
R651	ERJ8GCYJ102	M 1KOHM, J,1/8W
R652	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R653	ERJ8GCYJ473	M 47KOHM, J,1/8W
R654	ERJ8GCYJ103	M 10KOHM, J,1/8W
R655	ERJ8GCYJ103	M 10KOHM, J,1/8W
R656	EVND4AA00B34	CONTROL 30KOHMB
R657	ERJ8GCYJ183	M 18KOHM, J,1/8W
R658	ERJ8GCYJ103	M 10KOHM, J,1/8W
R659	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R660	ERJ8GCYJ561	M 560OHM, J,1/8W
R661	ERJ8GCYJ681	M 680OHM, J,1/8W
R662	ERJ8GCYJ681	M 680OHM, J,1/8W
R663	ERJ8GCYJ221	M 220OHM, J,1/8W
R664	ERJ8GCYJ102	M 1KOHM, J,1/8W
R665	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R666	ERJ8GCYJ681	M 680OHM, J,1/8W
R667	ERJ8GCYJ151	M 150OHM, J,1/8W
R668	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R669	ERJ8GCYJ101	M 100OHM, J,1/8W
R670	ERJ8GCYJ101	M 100OHM, J,1/8W
R671	ERJ8GCYJ101	M 100OHM, J,1/8W
R672	ERJ8GCYJ102	M 1KOHM, J,1/8W
R673	ERJ8GCYJ154	M 150KOHM, J,1/8W
R674	ERJ8GCYJ223	M 22KOHM, J,1/8W
R675	ERJ8GCYJ223	M 22KOHM, J,1/8W
R676	ERJ8GCYJ154	M 150KOHM, J,1/8W
R677	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R678	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R679	ERJ8GCYJ103	M 10KOHM, J,1/8W
R680	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R681	ERJ8GCYJ103	M 10KOHM, J,1/8W
R682	ERJ8GCYJ103	M 10KOHM, J,1/8W
R683	ERJ8GCYJ101	M 100OHM, J,1/8W
R684	ERJ8GCYJ273	M 27KOHM, J,1/8W
R685	ERJ8GCYJ103	M 10KOHM, J,1/8W
R686	ERJ8GCYJ102	M 1KOHM, J,1/8W
R687	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R688	ERJ8GCYJ153	M 15KOHM, J,1/8W
R689	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R690	ERJ8GCYJ223	M 22KOHM, J,1/8W
R691	ERJ8GCYJ223	M 22KOHM, J,1/8W
R692	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R693	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R694	ERJ8GCYJ563	M 56KOHM, J,1/8W
R695	ERJ8GCYJ224	M 220KOHM, J,1/8W
R696	ERJ8GCYJ223	M 22KOHM, J,1/8W
R697	ERJ8GCYJ223	M 22KOHM, J,1/8W
R698	ERJ8GCYJ103	M 10KOHM, J,1/8W
R699	ERJ8GCYJ223	M 22KOHM, J,1/8W
R700	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R701	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R702	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R703	ERJ8GCYJ101	M 100OHM, J,1/8W
R704	ERJ8GCYJ101	M 100OHM, J,1/8W
R705	ERJ8GCYJ101	M 100OHM, J,1/8W
R706	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R707	ERJ8GCYJ101	M 100OHM, J,1/8W
R708	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R709	ERJ8GCYJ223	M 22KOHM, J,1/8W
R710	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R711	ERJ8GCYJ101	M 100OHM, J,1/8W
R712	ERJ8GCYJ273	M 27KOHM, J,1/8W
R713	EVND4AA00B55	CONTROL 100KOHMB
R714	ERJ8GCYJ153	M 15KOHM, J,1/8W
R715	EVND4AA00B24	CONTROL 20KOHMB
R716	ERJ8GCYJ153	M 15KOHM, J,1/8W

Ref. No.	Part No.	Description
R717	EVND4AA00B14	CONTROL 10KOHMB
R718	ERJ8GCYJ223	M 22KOHM, J,1/8W
R719	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R720	ERJ8GCYJ101	M 100OHM, J,1/8W
R721	ERJ8GCYJ223	M 22KOHM, J,1/8W
R722	ERJ8GCYJ221	M 220OHM, J,1/8W
R723	ERJ8GCYJ102	M 1KOHM, J,1/8W
R724	ERJ8GCYJ223	M 22KOHM, J,1/8W
R725	ERJ8GCYJ223	M 22KOHM, J,1/8W
R726	ERJ8GCYJ223	M 22KOHM, J,1/8W
R727	ERJ8GCYJ223	M 22KOHM, J,1/8W
R728	ERJ8GCYJ223	M 22KOHM, J,1/8W
R729	ERJ8GCYJ223	M 22KOHM, J,1/8W
R730	ERJ8GCYJ223	M 22KOHM, J,1/8W
R731	ERJ8GCYJ103	M 10KOHM, J,1/8W
R732	ERJ8GCYJ103	M 10KOHM, J,1/8W
R733	ERJ8GCYJ103	M 10KOHM, J,1/8W
R734	ERJ8GCYJ223	M 22KOHM, J,1/8W
R735	ERJ8GCYJ223	M 22KOHM, J,1/8W
R736	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R737	ERJ8GCYJ103	M 10KOHM, J,1/8W
R738	ERJ8GCYJ103	M 10KOHM, J,1/8W
R739	ERJ8GCYJ224	M 220KOHM, J,1/8W
R740	ERJ8GCYJ224	M 220KOHM, J,1/8W
R741	ERJ8GCYJ154	M 150KOHM, J,1/8W
R742	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R743	ERJ8GCYJ183	M 18KOHM, J,1/8W
R744	ERJ8GCYJ102	M 1KOHM, J,1/8W
R745	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R746	ERJ8GCYJ221	M 220OHM, J,1/8W
R801	ERJ8GCYJ102	M 1KOHM, J,1/8W
R802	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R803	ERJ8GCYJ223	M 22KOHM, J,1/8W
R804	ERD25TJ332	C 3.3KOHM, J,1/4W
R805	ERD25TJ182	C 1.8K OHM J
R807	ERJ8GCYJ751	M 750OHM, J,1/8W
R808	ERDS1FJ101	C 100OHM, J,1/2W
R809	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R810	ERJ8GCYJ221	M 220OHM, J,1/8W
R811	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R812	ERJ8GCYJ123	M 12KOHM, J,1/8W
R813	ERJ8GCYJ271	M 270OHM, J,1/8W
R814	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R815	ERJ8GCYJ102	M 1KOHM, J,1/8W
R817	ERJ8GCYJ101	M 100OHM, J,1/8W
R818	ERD25TJ272	C 2.7K OHM J
R819	ERDS1TJ122	C 1.2KOHM, J,1/2W
R820	ERJ8GCYJ273	M 27KOHM, J,1/8W
R821	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R822	ERD25TJ182	C 1.8K OHM J
R823	ERD25TJ330	C 33OHM, J,1/4W
R824	ERD25TJ221	C 220 OHM J
R825	ERDS1FJ101	C 100OHM, J,1/2W
R826	ERG1SJ122P	M 1.2KOHM, J, 1W
R827	ERD25FJ100	C 10OHM, J,1/4W
R828	ERD25FJ100	C 10OHM, J,1/4W
R829	ERD25FJ100	C 10OHM, J,1/4W
R830	ERD25FJ820	C 820HM, J,1/4W
R831	ERD25FJ820	C 820HM, J,1/4W
R832	ERD25FJ820	C 820HM, J,1/4W
R833	ERD25FJ820	C 820HM, J,1/4W
R834	ERD25FJ820	C 820HM, J,1/4W
R835	ERD25FJ820	C 820HM, J,1/4W
R836	ERD25TJ122	C 1.2K OHM J
R837	ERD25TJ122	C 1.2K OHM J
R838	ERD25TJ122	C 1.2K OHM J
R839	ERD25TJ563	C 56K OHM J
R840	ERD25TJ563	C 56K OHM J
R841	ERD25TJ563	C 56K OHM J
R842	ERD25TJ563	C 56K OHM J
R843	ERD25TJ563	C 56K OHM J
R844	ERD25TJ563	C 56K OHM J
R845	ERD25TJ122	C 1.2K OHM J
R846	ERD25TJ122	C 1.2K OHM J
R847	ERD25TJ122	C 1.2K OHM J
R848	ERD25FJ390	C 39OHM, J,1/4W
R849	ERD25FJ390	C 39OHM, J,1/4W
R850	ERD25FJ390	C 39OHM, J,1/4W
R851	ERD25FJ390	C 39OHM, J,1/4W
R852	ERD25FJ390	C 39OHM, J,1/4W
R853	ERD25FJ390	C 39OHM, J,1/4W
R854	ERD25TJ2R7	C 2.7OHM, J,1/4W
R855	ERD25TJ2R7	C 2.7OHM, J,1/4W
R856	ERD25TJ2R7	C 2.7OHM, J,1/4W
R857	ERD25TJ2R7	C 2.7OHM, J,1/4W
R858	ERD25TJ2R7	C 2.7OHM, J,1/4W
R859	ERD25TJ2R7	C 2.7OHM, J,1/4W
R860	ERD50FJ471	C 470OHM, J,1/2W
R861	ERD50FJ471	C 470OHM, J,1/2W
R862	ERD50FJ471	C 470OHM, J,1/2W
R863	ERD50FJ121	C 120OHM, J,1/2W
R864	ERDS1FJ100	C 10OHM, J,1/2W
R865	ERDS1FJ100	C 10OHM, J,1/2W
R866	ERJ8GCYJ104	M 100KOHM, J,1/8W
R867	ERJ8GCYJ103	M 10KOHM, J,1/8W
R868	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R869	ERQ1CJP330S	F 33OHM, J, 1W
R871	ERJ8GCYJ103	M 10KOHM, J,1/8W
R872	ERJ8GCYJ103	M 10KOHM, J,1/8W
R873	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R901	ERD25TJ104	C 100KOHM, J,1/4W
R902	ERD25TJ273	C 27K OHM J
R903	ERD25TJ332	C 3.3KOHM, J,1/4W
R904	ERD25TJ102	C 1K OHM J
R905	ERD25TJ101	C 100 OHM J
R906	ERD25TJ222	C 2.2K OHM J
R907	EVN64AA00B53	CONTROL 5KOHMB
R908	ERD25TJ104	C 100KOHM, J,1/4W
R909	ERD25TJ273	C 27K OHM J
R910	ERD25TJ272	C 2.7K OHM J
R911	ERD25TJ272	C 2.7K OHM J
R912	ERD25TJ101	C 100 OHM J
R913	EVN64AAC0B53	CONTROL 5KOHMB

Ref. No.	Part No.	Description
R914	**ERD25TJ153**	C 15K OHM J
R915	**ERD25TJ104**	C 100KOHM, J,1/4W
R916	**ERD25TJ473**	C 47K OHM J
R917	**ERD25TJ472**	C 4.7K OHM J
R918	**ERD25TJ472**	C 4.7K OHM J
R919	**ERD25TJ121**	C 120OHM, J,1/4W
R920	**ERG2SJ104H**	M 100KOHM, J, 2W
R921	**ERG2SJ563H**	M 56KOHM, J, 2W
R922	**ERC12GK105**	S 1MOHM, K,1/2W
R923	**ERC12GK105**	S 1MOHM, K,1/2W
R924	ERD25TJ682	C 6.8K OHM J
R925	ERD25TJ102	C 1K OHM J
R926	ERD25TJ471	C 470 OHM J
R927	ERD25TJ221	C 220 OHM J
R928	ERD25TJ682	C 6.8K OHM J
R929	**ERC12GK103**	S 10KOHM, K,1/2W
R930	**ERD25TJ153**	C 15K OHM J
R931	**ERD25TJ222**	C 2.2K OHM J
R1001	**ERD25TJ470**	C 470HM, J,1/4W
R1002	**ERD25TJ470**	C 470HM, J,1/4W
R1003	**ERD25TJ470**	C 470HM, J,1/4W
R1004	**ERD25TJ470**	C 470HM, J,1/4W
R1005	**ERD25TJ470**	C 470HM, J,1/4W
R1006	**ERD25TJ470**	C 470HM, J,1/4W
R1007	**ERD25TJ101**	C 100 OHM J
R1008	**ERD25TJ101**	C 100 OHM J
R1009	**EXBP86102J**	RESISTOR ARRAY
R1010	**ERJ8GCYJ101**	M 1000HM, J,1/8W
R1011	**ERJ8GCYJ101**	M 1000HM, J,1/8W
R1012	**ERJ8GCYJ562**	M 5.6KOHM, J,1/8W
R1013	**ERJ8GCYJ472**	M 4.7KOHM, J,1/8W
R1014	**ERJ8GCYJ682**	M 6.8KOHM, J,1/8W
R1015	**ERJ8GCYJ472**	M 4.7KOHM, J,1/8W
R1016	**ERJ8GCYJ682**	M 6.8KOHM, J,1/8W
R1017	**ERJ8GCYJ562**	M 5.6KOHM, J,1/8W
R1018	**ERJ8GCYJ562**	M 5.6KOHM, J,1/8W
R1019	**ERJ8GCYJ101**	M 1000HM, J,1/8W
R1020	**ERJ8GCYJ562**	M 5.6KOHM, J,1/8W
R1021	**ERJ8GCYJ101**	M 1000HM, J,1/8W
R1022	**ERJ8GCYJ123**	M 12KOHM, J,1/8W
R1023	ERJ8GCYJ123	M 12KOHM, J,1/8W
R1024	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R1025	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R1026	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R1027	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R1028	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R1029	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R1030	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1031	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1032	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1033	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R1034	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R1035	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R1036	ERJ8GCYJ181	M 1800HM, J,1/8W
R1037	ERJ8GCYJ181	M 1800HM, J,1/8W
R1038	ERJ8GCYJ181	M 1800HM, J,1/8W

Ref. No.	Part No.	Description
R1039	**ERJ8GCYJ561**	M 5600HM, J,1/8W
R1040	**ERJ8GCYJ561**	M 5600HM, J,1/8W
R1041	**ERJ8GCYJ561**	M 5600HM, J,1/8W
R1042	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1043	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1044	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1045	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1046	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R1047	ERJ8GCYJ101	M 1000HM, J,1/8W
R1048	ERJ8GCYJ181	M 1800HM, J,1/8W
R1049	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R1050	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1051	ERJ8GCYJ221	M 2200HM, J,1/8W
R1052	ERJ8GCYJ101	M 1000HM, J,1/8W
R1053	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1054	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1056	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1057	ERJ8GCYJ473	M 47KOHM, J,1/8W
R1058	ERJ8GCYJ473	M 47KOHM, J,1/8W
R1059	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R1060	ERJ8GCYJ124	M 120KOHM, J,1/8W
R1061	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R1062	ERJ8GCYJ124	M 120KOHM, J,1/8W
R1063	ERJ8GCYJ101	M 1000HM, J,1/8W
R1064	ERJ8GCYJ101	M 1000HM, J,1/8W
R1065	ERJ8GCYJ101	M 1000HM, J,1/8W
R1066	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R1067	ERJ8GCYJ390	M 390HM, J,1/8W
R1068	ERDS1FJ101	C 1000HM, J,1/2W
R1069	ERJ8GCYJ390	M 390HM, J,1/8W
R1070	ERJ8GCYJ473	M 47KOHM, J,1/8W
R1071	ERJ8GCYJ473	M 47KOHM, J,1/8W
R1072	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R1073	ERJ8GCYJ101	M 1000HM, J,1/8W
R1074	ERJ8GCYJ124	M 120KOHM, J,1/8W
R1075	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R1076	ERJ8GCYJ124	M 120KOHM, J,1/8W
R1077	ERJ8GCYJ101	M 1000HM, J,1/8W
R1078	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R1079	ERJ8GCYJ101	M 1000HM, J,1/8W
R1080	ERJ8GCYJ473	M 47KOHM, J,1/8W
R1081	ERJ8GCYJ473	M 47KOHM, J,1/8W
R1082	**ERJ8GCYJ390**	M 390HM, J,1/8W
R1083	**ERDS1FJ101**	C 1000HM, J,1/2W
R1084	**ERJ8GCYJ390**	M 390HM, J,1/8W
R1085	**ERJ8GCYJ473**	M 47KOHM, J,1/8W
R1086	**ERJ8GCYJ473**	M 47KOHM, J,1/8W
R1087	**ERJ8GCYJ152**	M 1.5KOHM, J,1/8W
R1088	**ERJ8GCYJ124**	M 120KOHM, J,1/8W
R1089	**ERJ8GCYJ101**	M 1000HM, J,1/8W
R1090	**ERJ8GCYJ122**	M 1.2KOHM, J,1/8W
R1091	**ERJ8GCYJ124**	M 120KOHM, J,1/8W
R1092	ERJ8GCYJ101	M 1000HM, J,1/8W
R1093	ERJ8GCYJ101	M 1000HM, J,1/8W
R1094	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R1095	ERJ8GCYJ390	M 390HM, J,1/8W

Ref. No.	Part No.	Description
R1096	ERDS1FJ101	C 1000HM, J,1/2W
R1097	ERJ8GCYJ390	M 390HM, J,1/8W
R1098	ERJ8GCYJ151	M 1500HM, J,1/8W
R1099	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1100	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R1101	ERJ8GCYJ101	M 1000HM, J,1/8W
R1102	ERD25TJ750	C 75 OHM J
R1103	ERD25TJ750	C 75 OHM J
R1104	ERD25TJ750	C 75 OHM J
R1105	ERD25TJ750	C 75 OHM J
R1106	ERD25TJ750	C 75 OHM J
R1107	**ERJ8GCYJ473**	M 47KOHM, J,1/8W
R1108	**ERJ8GCYJ473**	M 47KOHM, J,1/8W
R1109	**ERJ8GCYJ330**	M 33OHM, J,1/8W
R1110	**ERJ8GCYJ101**	M 1000HM, J,1/8W
R1111	**ERJ8GCYJ182**	M 1.8KOHM, J,1/8W
R1112	ERJ8GCYJ683	M 68KOHM, J,1/8W
R1113	ERJ8GCYJ273	M 27KOHM, J,1/8W
R1114	ERJ8GCYJ101	M 1000HM, J,1/8W
R1115	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1116	ERJ8GCYJ473	M 47KOHM, J,1/8W
R1117	ERJ8GCYJ473	M 47KOHM, J,1/8W
R1118	ERJ8GCYJ101	M 1000HM, J,1/8W
R1119	**ERJ8GCYJ182**	M 1.8KOHM, J,1/8W
R1121	**ERJ8GCYJ683**	M 68KOHM, J,1/8W
R1122	**ERJ8GCYJ330**	M 33OHM, J,1/8W
R1123	**ERJ8GCYJ223**	M 22KOHM, J,1/8W
R1124	**ERJ8GCYJ472**	M 4.7KOHM, J,1/8W
R1125	ERJ8GCYJ683	M 68KOHM, J,1/8W
R1126	ERJ8GCYJ223	M 22KOHM, J,1/8W
R1127	**ERJ8GCYJ683**	M 68KOHM, J,1/8W
R1128	**ERJ8GCYJ223**	M 22KOHM, J,1/8W
R1137	**ERD25TJ750**	C 75 OHM J
R1138	**ERD25TJ750**	C 75 OHM J
R1139	**ERJ8GCYJ683**	M 68KOHM, J,1/8W
R1140	**ERJ8GCYJ223**	M 22KOHM, J,1/8W
R1141	**ERJ8GCYJ330**	M 33OHM, J,1/8W
R1142	**ERJ8GCYJ562**	M 5.6KOHM, J,1/8W
R1143	**ERJ8GCYJ101**	M 1000HM, J,1/8W
R1144	**ERJ8GCYJ272**	M 2.7KOHM, J,1/8W
R1145	**ERJ8GCYJ821**	M 8200HM, J,1/8W
R1146	**ERJ8GCYJ181**	M 1800HM, J,1/8W
R1147	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1148	ERJ8GCYJ273	M 27KOHM, J,1/8W
R1149	ERJ8GCYJ274	M 270KOHM, J,1/8W
R1150	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1151	ERJ8GCYJ223	M 22KOHM, J,1/8W
R1152	ERJ8GCYJ223	M 22KOHM, J,1/8W
R1153	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1154	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1156	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R1157	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1158	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R1160	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1161	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1162	ERJ8GCYJ101	M 1000HM, J,1/8W

Ref. No.	Part No.	Description
R1163	ERJ8GCYJ101	M 1000HM, J,1/8W
R1164	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1165	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1166	ERJ8GCYJ223	M 22KOHM, J,1/8W
R1167	ERJ8GCYJ473	M 47KOHM, J,1/8W
R1168	ERJ8GCYJ223	M 22KOHM, J,1/8W
R1169	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1170	ERJ8GCYJ473	M 47KOHM, J,1/8W
R1171	ERJ8GCYJ223	M 22KOHM, J,1/8W
R1172	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1173	ERJ8GCYJ101	M 1000HM, J,1/8W
R1174	ERJ8GCYJ561	M 5600HM, J,1/8W
R1175	ERJ8GCYJ221	M 2200HM, J,1/8W
R1176	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R1177	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1178	ERJ8GCYJ121	M 1200HM, J,1/8W
R1179	ERJ8GCYJ223	M 22KOHM, J,1/8W
R1180	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1181	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1182	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1183	ERJ8GCYJ330	M 33OHM, J,1/8W
R1184	ERJ8GCYJ471	M 470OHM, J,1/8W
R1185	ERJ8GCYK5R6	M 5.6OHM, K,1/8W
R1186	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1187	ERJ8GCYJ330	M 33OHM, J,1/8W
R1188	ERJ8GCYJ471	M 470OHM, J,1/8W
R1189	ERJ8GCYK5R6	M 5.6OHM, K,1/8W
R1190	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1191	ERJ8GCYJ683	M 68KOHM, J,1/8W
R1192	ERJ8GCYJ330	M 33OHM, J,1/8W
R1193	ERJ8GCYJ223	M 22KOHM, J,1/8W
R1194	ERJ8GCYJ471	M 470OHM, J,1/8W
R1195	ERJ8GCYJ330	M 33OHM, J,1/8W
R1196	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1197	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1198	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1199	ERJ8GCYJ124	M 120KOHM, J,1/8W
R1200	ERJ8GCYJ564	M 560KOHM, J,1/8W
R1201	ERJ8GCYJ124	M 120KOHM, J,1/8W
R1202	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R1203	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1204	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R1205	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1206	ERDS1FJ221	C 2200HM, J,1/2W
R1207	ERJ8GCYJ151	M 1500HM, J,1/8W
R1208	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R1209	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1210	ERD25TJ4R7	C 4.7OHM, J,1/4W
R1211	ERF3AJ150	W 150HM, J, 3W
R1212	ERJ8GCYJ181	M 1800HM, J,1/8W
R1213	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R1214	ERJ8GCYJ101	M 1000HM, J,1/8W
R1215	ERJ8GCYJ330	M 33OHM, J,1/8W
R1216	ERJ8GCYJ330	M 33OHM, J,1/8W
R1217	ERJ8GCYJ102	M 1KOHM, J,1/8W
R1218	ERJ8GCYJ151	M 1500HM, J,1/8W

Ref. No.	Part No.	Description
R1219	ERJ8GCYJ103	M 10KOHM, J,1/8W
R1220	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R1221	ERJ8GCYJ101	M 100OHM, J,1/8W
R1222	ERJ8GCYJ181	M 180OHM, J,1/8W
R1223	ERJ8GCYJ151	M 150OHM, J,1/8W
R1224	ERJ8GCYJ221	M 220OHM, J,1/8W
R1225	ERJ8GCYJ684	M 680KOHM, J,1/8W
R1226	ERJ8GCYJ684	M 680KOHM, J,1/8W
R1227	ERJ8GCYJ684	M 680KOHM, J,1/8W
R1228	ERJ8GCYJ684	M 680KOHM, J,1/8W
R1229	ERJ8GCYJ684	M 680KOHM, J,1/8W
R1230	ERJ8GCYJ684	M 680KOHM, J,1/8W
R1231	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R1232	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R1233	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R1234	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R1235	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R1236	ERJ8GCYJ330	M 33OHM, J,1/8W
R1250	ERD25TJ750	C 75 OHM J
R2001	ERDS1TJ151	C 150OHM, J,1/2W
R2002	ERD25TJ220	C 22OHM, J,1/4W
R2003	ERD25TJ101	C 100 OHM J
R2004	ERDS1TJ101	C 100OHM, J,1/2W
R2005	ERD25TJ330	C 33OHM, J,1/4W
R2006	ERD25TJ100	C 10OHM, J,1/4W
R2007	ERD25TJ152	C 1.5K OHM J
R2008	ERG5SJ561H	M 560OHM, J, 5W
R2009	ERG5SJ561H	M 560OHM, J, 5W
R2010	ERG5SJ561H	M 560OHM, J, 5W
R2011	ERG5SJ561H	M 560OHM, J, 5W
R2012	ERDS1FJ151	C 150OHM, J,1/2W
R2013	ERD25TJ330	C 33OHM, J,1/4W
R2014	ERD25TJ330	C 33OHM, J,1/4W
R2015	ERDS1FJ151	C 150OHM, J,1/2W
R2016	ERD25TJ104	C 100KOHM, J,1/4W
R2017	ERD25TJ334	C 330KOHM, J,1/4W
R2018	ERDS1TJ820	C 82OHM, J,1/2W
R2019	ERDS1TJ473	C 47KOHM, J,1/2W
R2101	ERDS1TJ151	C 150OHM, J,1/2W
R2102	ERD25TJ220	C 22OHM, J,1/4W
R2103	ERD25TJ101	C 100 OHM J
R2104	ERDS1TJ101	C 100OHM, J,1/2W
R2105	ERD25TJ330	C 33OHM, J,1/4W
R2106	ERD25TJ100	C 10OHM, J,1/4W
R2107	ERD25TJ152	C 1.5K OHM J
R2108	ERG5SJ561H	M 560OHM, J, 5W
R2109	ERG5SJ561H	M 560OHM, J, 5W
R2110	ERG5SJ561H	M 560OHM, J, 5W
R2111	ERG5SJ561H	M 560OHM, J, 5W
R2112	ERDS1FJ151	C 150OHM, J,1/2W
R2113	ERD25TJ330	C 33OHM, J,1/4W
R2114	ERD25TJ330	C 33OHM, J,1/4W
R2115	ERDS1FJ151	C 150OHM, J,1/2W
R2116	ERD25TJ104	C 100KOHM, J,1/4W
R2117	ERD25TJ334	C 330KOHM, J,1/4W
R2118	ERDS1TJ820	C 82OHM, J,1/2W

Ref. No.	Part No.	Description
R2119	ERDS1TJ473	C 47KOHM, J,1/2W
R2201	ERDS1TJ151	C 150OHM, J,1/2W
R2202	ERD25TJ220	C 22OHM, J,1/4W
R2203	ERD25TJ101	C 100 OHM J
R2204	ERDS1TJ101	C 100OHM, J,1/2W
R2205	ERD25TJ330	C 33OHM, J,1/4W
R2206	ERD25TJ100	C 10OHM, J,1/4W
R2207	ERD25TJ152	C 1.5K OHM J
R2208	ERG5SJ561H	M 560OHM, J, 5W
R2209	ERG5SJ561H	M 560OHM, J, 5W
R2210	ERG5SJ561H	M 560OHM, J, 5W
R2211	ERG5SJ561H	M 560OHM, J, 5W
R2212	ERDS1FJ151	C 150OHM, J,1/2W
R2213	ERD25TJ330	C 33OHM, J,1/4W
R2214	ERD25TJ330	C 33OHM, J,1/4W
R2215	ERDS1FJ151	C 150OHM, J,1/2W
R2216	ERD25TJ104	C 100KOHM, J,1/4W
R2217	ERD25TJ334	C 330KOHM, J,1/4W
R2218	ERDS1TJ820	C 82OHM, J,1/2W
R2219	ERDS1TJ473	C 47KOHM, J,1/2W
R4001	ERJ8GCYJ331	M 330OHM, J,1/8W
R4002	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4003	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4004	ERJ8GCYJ181	M 180OHM, J,1/8W
R4005	ERJ8GCYJ561	M 560OHM, J,1/8W
R4006	ERJ8GCYJ101	M 100OHM, J,1/8W
R4007	ERJ8GCYJ681	M 680OHM, J,1/8W
R4008	ERJ8GCYJ561	M 560OHM, J,1/8W
R4011	ERJ8GCYJ681	M 680OHM, J,1/8W
R4012	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4013	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4014	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R4015	ERJ8GCYJ101	M 100OHM, J,1/8W
R4016	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R4017	ERJ8GCYJ101	M 100OHM, J,1/8W
R4018	EVND4AA00B52	CONTROL 5000HMB
R4019	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4020	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4021	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R4022	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R4023	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R4024	ERJ8GCYJ471	M 470OHM, J,1/8W
R4028	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4029	ERJ8GCYJ821	M 820OHM, J,1/8W
R4030	ERJ8GCYJ331	M 330OHM, J,1/8W
R4031	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4032	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R4033	ERJ8GCYJ681	M 680OHM, J,1/8W
R4034	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R4035	ERJ8GCYJ821	M 820OHM, J,1/8W
R4036	ERJ8GCYJ823	M 82KOHM, J,1/8W
R4037	ERJ8GCYJ333	M 33KOHM, J,1/8W
R4038	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4039	ERJ8GCYJ561	M 560OHM, J,1/8W
R4040	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4041	ERJ8GCYJ562	M 5.6KOHM, J,1/8W

Ref. No.	Part No.	Description
R4042	ERJ8GCYJ561	M 560OHM, J,1/8W
R4043	ERJ8GCYJ331	M 330OHM, J,1/8W
R4044	ERJ8GCYJ333	M 33KOHM, J,1/8W
R4045	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4046	ERJ8GCYJ391	M 390OHM, J,1/8W
R4047	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4048	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4049	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4050	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4051	ERJ8GCYJ821	M 820OHM, J,1/8W
R4052	ERJ8GCYJ821	M 820OHM, J,1/8W
R4053	ERJ8GCYJ823	M 82KOHM, J,1/8W
R4054	ERJ8GCYJ333	M 33KOHM, J,1/8W
R4055	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4056	ERJ8GCYJ220	M 22OHM, J,1/8W
R4057	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R4058	ERJ8GCYJ471	M 470OHM, J,1/8W
R4059	ERJ8GCYJ101	M 100OHM, J,1/8W
R4060	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R4061	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R4062	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4063	ERJ8GCYJ563	M 56KOHM, J,1/8W
R4064	ERJ8GCYJ331	M 330OHM, J,1/8W
R4065	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4066	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R4067	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4068	ERJ8GCYJ220	M 22OHM, J,1/8W
R4069	ERJ8GCYJ220	M 22OHM, J,1/8W
R4070	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4071	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R4072	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R4073	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4074	ERJ8GCYJ101	M 100OHM, J,1/8W
R4075	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R4076	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4077	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4078	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4079	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4080	ERJ8GCYJ331	M 330OHM, J,1/8W
R4081	ERJ8GCYJ561	M 560OHM, J,1/8W
R4082	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R4083	ERJ8GCYJ683	M 68KOHM, J,1/8W
R4084	ERJ8GCYJ153	M 15KOHM, J,1/8W
R4086	ERJ8GCYJ473	M 47KOHM, J,1/8W
R4087	ERJ8GCYJ101	M 100OHM, J,1/8W
R4088	EVND4AA00B52	CONTROL 5000HMB
R4089	ERJ8GCYJ101	M 100OHM, J,1/8W
R4090	ERJ8GCYJ393	M 39KOHM, J,1/8W
R4091	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4092	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R4093	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4094	ERJ8GCYJ153	M 15KOHM, J,1/8W
R4095	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4096	ERJ8GCYJ101	M 100OHM, J,1/8W
R4097	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4098	ERJ8GCYJ333	M 33KOHM, J,1/8W

Ref. No.	Part No.	Description
R4099	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R4100	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4101	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4102	ERJ8GCYJ333	M 33KOHM, J,1/8W
R4103	ERJ8GCYJ123	M 12KOHM, J,1/8W
R4104	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4105	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4107	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4108	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4109	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4110	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R4111	ERJ8GCYJ391	M 390OHM, J,1/8W
R4112	ERJ8GCYJ391	M 390OHM, J,1/8W
R4113	ERJ8GCYJ471	M 470OHM, J,1/8W
R4114	ERJ8GCYJ471	M 470OHM, J,1/8W
R4115	ERJ8GCYJ563	M 56KOHM, J,1/8W
R4116	ERJ8GCYJ563	M 56KOHM, J,1/8W
R4117	ERJ8GCYJ221	M 220OHM, J,1/8W
R4118	ERJ8GCYJ220	M 22OHM, J,1/8W
R4119	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4120	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4121	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R4122	ERJ8GCYJ391	M 390OHM, J,1/8W
R4123	ERJ8GCYJ391	M 390OHM, J,1/8W
R4124	ERJ8GCYJ471	M 470OHM, J,1/8W
R4125	ERJ8GCYJ471	M 470OHM, J,1/8W
R4126	ERJ8GCYJ563	M 56KOHM, J,1/8W
R4127	ERJ8GCYJ563	M 56KOHM, J,1/8W
R4128	ERJ8GCYJ221	M 220OHM, J,1/8W
R4129	ERJ8GCYJ220	M 22OHM, J,1/8W
R4130	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4131	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4132	ERJ8GCYJ391	M 390OHM, J,1/8W
R4133	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R4134	ERJ8GCYJ391	M 390OHM, J,1/8W
R4135	ERJ8GCYJ471	M 470OHM, J,1/8W
R4136	ERJ8GCYJ471	M 470OHM, J,1/8W
R4137	ERJ8GCYJ563	M 56KOHM, J,1/8W
R4138	ERJ8GCYJ221	M 220OHM, J,1/8W
R4139	ERJ8GCYJ220	M 22OHM, J,1/8W
R4140	ERJ8GCYJ563	M 56KOHM, J,1/8W
R4141	ERJ8GCYJ220	M 22OHM, J,1/8W
R4142	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4143	ERJ8GCYJ220	M 22OHM, J,1/8W
R4144	ERJ8GCYJ220	M 22OHM, J,1/8W
R4145	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4146	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R4147	ERJ8GCYJ681	M 680OHM, J,1/8W
R4148	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4149	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4150	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4151	ERJ8GCYJ273	M 27KOHM, J,1/8W
R4152	ERJ8GCYJ683	M 68KOHM, J,1/8W
R4153	ERJ8GCYJ683	M 68KOHM, J,1/8W
R4201	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4202	ERJ8GCYJ122	M 1.2KOHM, J,1/8W

Ref. No.	Part No.	Description
R4203	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R4204	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4205	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R4206	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4207	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R4208	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4209	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4210	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R4211	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4212	ERJ8GCYJ221	M 220OHM, J,1/8W
R4213	ERJ8GCYJ823	M 82KOHM, J,1/8W
R4214	ERJ8GCYJ333	M 33KOHM, J,1/8W
R4215	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4216	ERJ8GCYJ561	M 560OHM, J,1/8W
R4217	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4218	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4219	ERJ8GCYJ561	M 560OHM, J,1/8W
R4220	ERJ8GCYJ823	M 82KOHM, J,1/8W
R4221	ERJ8GCYJ333	M 33KOHM, J,1/8W
R4222	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4223	ERJ8GCYJ183	M 18KOHM, J,1/8W
R4224	ERJ8GCYJ395	M 3.9MOHM, J,1/8W
R4225	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4226	ERJ8GCYJ471	M 470OHM, J,1/8W
R4227	ERJ8GCYJ821	M 820OHM, J,1/8W
R4228	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4229	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4230	ERJ8GCYJ221	M 220OHM, J,1/8W
R4231	EVND4AA00B14	CONTROL 10KOHMB
R4232	ERJ8GCYJ561	M 560OHM, J,1/8W
R4233	ERJ8GCYJ224	M 220KOHM, J,1/8W
R4234	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4235	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4236	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4237	EVND4AA00B14	CONTROL 10KOHMB
R4238	ERDS1FJ4R7	C 4.7OHM, J,1/2W
R4239	EVND4AA00B23	CONTROL 2KOHMB
R4240	ERJ8GCYJ471	M 470OHM, J,1/8W
R4241	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R4242	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4243	ERJ8GCYJ823	M 82KOHM, J,1/8W
R4244	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4245	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4246	ERJ8GCYJ221	M 220OHM, J,1/8W
R4247	EVND4AA00B23	CONTROL 2KOHMB
R4248	ERJ8GCYJ561	M 560OHM, J,1/8W
R4249	ERJ8GCYJ221	M 220OHM, J,1/8W
R4250	EVND4AA00B53	CONTROL 5KOHMB
R4251	ERJ8GCYJ333	M 33KOHM, J,1/8W
R4252	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R4253	ERJ8GCYJ224	M 220KOHM, J,1/8W
R4254	ERJ8GCYJ331	M 330OHM, J,1/8W
R4255	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4256	ERJ8GCYJ331	M 330OHM, J,1/8W
R4257	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4258	ERJ8GCYJ331	M 330OHM, J,1/8W
R4259	ERJ8GCYJ391	M 390OHM, J,1/8W
R4261	ERJ8GCYJ391	M 390OHM, J,1/8W
R4262	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R4263	EVND4AA00B53	CONTROL 5KOHMB
R4264	ERJ8GCYJ681	M 680OHM, J,1/8W
R4265	ERJ8GCYJ391	M 390OHM, J,1/8W
R4266	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4267	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4268	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R4269	ERJ8GCYJ561	M 560OHM, J,1/8W
R4270	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4271	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4272	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4273	ERJ8GCYJ561	M 560OHM, J,1/8W
R4274	ERJ8GCYJ823	M 82KOHM, J,1/8W
R4275	ERJ8GCYJ333	M 33KOHM, J,1/8W
R4276	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R4277	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4278	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4279	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4280	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4281	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4282	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R4283	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4284	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4285	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4286	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4287	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4288	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4289	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4290	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4291	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4292	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4293	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4294	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4295	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4296	ERJ8GCYJ683	M 68KOHM, J,1/8W
R4297	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4298	ERJ8GCYJ273	M 27KOHM, J,1/8W
R4299	ERJ8GCYJ221	M 220OHM, J,1/8W
R4300	ERJ8GCYJ393	M 39KOHM, J,1/8W
R4301	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4302	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4303	ERJ8GCYJ684	M 680KOHM, J,1/8W
R4304	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R4305	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4306	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4307	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4308	ERJ8GCYJ153	M 15KOHM, J,1/8W
R4309	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4310	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R4311	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R4312	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4313	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R4314	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4315	ERJ8GCYJ823	M 82KOHM, J,1/8W

Ref. No.	Part No.	Description
R4316	ERJ8GCYJ823	M 82KOHM, J,1/8W
R4317	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R4318	ERJ8GCYJ101	M 100OHM, J,1/8W
R4319	ERJ8GCYJ101	M 100OHM, J,1/8W
R4320	ERJ8GCYJ101	M 100OHM, J,1/8W
R4321	ERJ8GCYJ101	M 100OHM, J,1/8W
R4322	ERJ8GCYJ393	M 39KOHM, J,1/8W
R4323	ERJ8GCYJ823	M 82KOHM, J,1/8W
R4324	ERDS1TJ222	C 2.2KOHM, J, 1/2W
R4401	ERDS1FJ100	C 10OHM, J,1/2W
R4402	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4403	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4404	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4405	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4406	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4407	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4408	ERDS1FJ101	C 100OHM, J,1/2W
R4409	ERD25TJ101	C 100 OHM J
R4410	ERD25TJ101	C 100 OHM J
R4411	ERD25TJ101	C 100 OHM J
R4412	ERD25TJ101	C 100 OHM J
R4413	ERD25TJ101	C 100 OHM J
R4414	ERD25TJ101	C 100 OHM J
R4415	ERD25TJ101	C 100 OHM J
R4416	ERD25TJ101	C 100 OHM J
R4417	ERD25TJ101	C 100 OHM J
R4418	ERD25TJ101	C 100 OHM J
R4419	ERD25TJ101	C 100 OHM J
R4420	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4421	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4422	ERJ8GCYJ101	M 100OHM, J,1/8W
R4423	ERJ8GCYJ101	M 100OHM, J,1/8W
R4424	ERDS1FJ390	C 39OHM, J,1/2W
R4425	ERJ8GCYJ101	M 100OHM, J,1/8W
R4426	ERJ8GCYJ101	M 100OHM, J,1/8W
R4427	ERJ8GCYJ101	M 100OHM, J,1/8W
R4428	ERJ8GCYJ101	M 100OHM, J,1/8W
R4429	ERJ8GCYJ101	M 100OHM, J,1/8W
R4430	ERJ8GCYJ101	M 100OHM, J,1/8W
R4431	ERJ8GCYJ101	M 100OHM, J,1/8W
R4432	ERJ8GCYJ101	M 100OHM, J,1/8W
R4433	ERJ8GCYJ101	M 100OHM, J,1/8W
R4434	ERJ8GCYJ153	M 15KOHM, J,1/8W
R4435	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4436	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4437	ERJ8GCYJ823	M 82KOHM, J,1/8W
R4438	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R4439	EVJFLAEA4B14	CONTROL 10KOHMB
R4440	EVJFMAEA4B14	CONTROL 10KOHMB
R4441	EVJFLAEA4B14	CONTROL 10KOHMB
R4442	EVJFLAEA4B14	CONTROL 10KOHMB
R4443	EVJFLAEA4C14	CONTROL 10KOHMC
R4444	EVJFLAEA4B14	CONTROL 10KOHMB
R4445	ERJ8GCYJ101	M 100OHM, J,1/8W
R4446	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R4447	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4448	ERJ8GCYJ153	M 15KOHM, J,1/8W
R4449	ERJ8GCYJ823	M 82KOHM, J,1/8W
R4450	ERJ8GCYJ153	M 15KOHM, J,1/8W
R4451	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4452	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R4453	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R4454	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R4455	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4456	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R4457	ERJ8GCYJ334	M 330KOHM, J,1/8W
R4458	ERJ8GCYJ124	M 120KOHM, J,1/8W
R4463	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4464	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4465	ERJ8GCYJ101	M 100OHM, J,1/8W
R4466	ERJ8GCYJ101	M 100OHM, J,1/8W
R4467	ERJ8GCYJ101	M 100OHM, J,1/8W
R4468	ERJ8GCYJ101	M 100OHM, J,1/8W
R4469	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4470	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4471	ERJ8GCYJ101	M 100OHM, J,1/8W
R4472	ERJ8GCYJ101	M 100OHM, J,1/8W
R4473	ERJ8GCYJ101	M 100OHM, J,1/8W
R4474	ERJ8GCYJ473	M 47KOHM, J,1/8W
R4475	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4476	ERJ8GCYJ101	M 100OHM, J,1/8W
R4477	ERJ8GCYJ101	M 100OHM, J,1/8W
R4478	ERJ8GCYJ101	M 100OHM, J,1/8W
R4479	ERJ8GCYJ101	M 100OHM, J,1/8W
R4480	ERJ8GCYJ202	M 2KOHM, J,1/8W
R4481	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4482	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R4483	ERD25TJ102	C 1K OHM J
R4484	EVND4AA00B24	CONTROL 20KOHMB
R4485	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R4701	ERJ8GCYJ331	M 330OHM, J,1/8W
R4702	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R4703	ERJ8GCYJ220	M 22OHM, J,1/8W
R4704	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R4705	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R4706	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4707	ERJ8GCYJ334	M 330KOHM, J,1/8W
R4708	ERJ8GCYJ101	M 100OHM, J,1/8W
R4709	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4710	ERJ8GCYJ101	M 100OHM, J,1/8W
R4711	ERJ8GCYJ101	M 100OHM, J,1/8W
R4712	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4713	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4714	EVN38CA00B24	CONTROL 20KOHMB
R4715	EVN38CA00B54	CONTROL 50KOHMB
R4716	EVN38CA00B24	CONTROL 20KOHMB
R4717	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4718	ERJ8GCYJ183	M 18KOHM, J,1/8W
R4719	ERJ8GCYJ101	M 100OHM, J,1/8W
R4720	ERD25FJ391	C 390OHM, J,1/4W
R4721	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4722	ERJ8GCYJ101	M 100OHM, J,1/8W
R4723	EVN38CA00B24	CONTROL 20KOHMB

Ref. No.	Part No.	Description
R4724	EVN38CA00B54	CONTROL 50KOHMB
R4725	EVN38CA00B54	CONTROL 50KOHMB
R4726	EVN38CA00B54	CONTROL 50KOHMB
R4727	ERX1SJ3R3P	M 3.3OHM, J, 1W
R4728	ERJ8GCYJ104	M 100KOHM, J,1/8W
R4729	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4730	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4731	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4732	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4733	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4734	ERG2SJ472H	
R4735	ERQ3CJ680	F 68OHM, J, 3W
R4736	ERDS1TJ3R3	C 3.3OHM, J,1/2W
R4737	ERG2SJ682H	M 6.8KOHM, J, 2W
R4738	ERJ8GCYJ333	M 33KOHM, J,1/8W
R4739	ERJ8GCYJ273	M 27KOHM, J,1/8W
R4740	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R4741	ERJ8GCYJ101	M 100OHM, J,1/8W
R4742	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4743	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4744	ERDS1TJ391	C 390OHM, J,1/2W
R4745	ERJ8GCYK3R3	M 3.3OHM, K,1/8W
R4746	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4747	ERDS1TJ3R3	C 3.3OHM, J,1/2W
R4748	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R4749	ERD25FJ681	C 680OHM, J,1/4W
R4750	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4751	ERJ8GCYG682	M 6.8KOHM, G,1/8W
R4752	ERG1SJ102P	M 1KOHM, J, 1W
R4753	ERJ8GCYJ474	M 470KOHM, J,1/8W
R4754	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4755	ERJ8GCYJ681	M 680OHM, J,1/8W
R4756	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4757	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R4758	ERDS1FJ1R0	C 1OHM, J,1/2W
R4759	ERJ8GCYG152	M 1.5KOHM, G,1/8W
R4760	ERJ8GCYJ683	M 68KOHM, J,1/8W
R4761	ERJ8GCYG562	M 5.6KOHM, G,1/8W
R4762	ERJ8GCYJ394	M 390KOHM, J,1/8W
R4763	EVN38CA00B53	CONTROL 5KOHMB
R4764	ERD25FJ681	C 680OHM, J,1/4W
R4765	ERJ8GCYG182	M 1.8KOHM, G,1/8W
R4766	ERJ8GCYG392	M 3.9KOHM, G,1/8W
R4767	EVN38CA00B53	CONTROL 5KOHMB
R4768	ERJ8GCYJ124	M 120KOHM, J,1/8W
R4769	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4770	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R4771	ERJ8GCYJ123	M 12KOHM, J,1/8W
R4772	ERJ8GCYJ101	M 100OHM, J,1/8W
R4773	ERJ8GCYJ101	M 100OHM, J,1/8W
R4774	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4775	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4776	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4777	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4778	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4779	ERJ8GCYJ103	M 10KOHM, J,1/8W

Ref. No.	Part No.	Description
R4780	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4781	ERJ8GCYJ101	M 100OHM, J,1/8W
R4782	ERJ8GCYJ101	M 100OHM, J,1/8W
R4783	ERJ8GCYK125	M 1.2MOHM,K, 1/8W
R4784	ERJ8GCYJ684	M 680KOHM, J,1/8W
R4785	ERJ8GCYJ101	M 100OHM, J,1/8W
R4786	ERJ8GCYJ271	M 270OHM, J,1/8W
R4787	ERJ8GCYJ101	M 100OHM, J,1/8W
R4788	ERJ8GCYG472	M 4.7KOHM, G,1/8W
R4789	ERJ8GCYG472	M 4.7KOHM, G,1/8W
R4790	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4791	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R4792	ERJ8GCYJ102	M 1KOHM, J,1/8W
R4793	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4794	ERJ8GCYJ473	M 47KOHM, J,1/8W
R4795	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4796	ERJ8GCYJ103	M 10KOHM, J,1/8W
R4797	ERJ8GCYG124	M 120KOHM, G,1/8W
R4798	ERJ8GCYG822	M 8.2KOHM,G,1/8W
R4799	ERJ8GCYG103	M 10KOHM, G,1/8W
R4800	ERJ8GCYG103	M 10KOHM, G,1/8W
R4801	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R4802	ERJ8GCYG102	M 1KOHM, G,1/8W
R4803	ERJ8GCYG394	M 390KOHM, G,1/8W
R4804	ERJ8GCYG473	M 47KOHM, G,1/8W
R4805	ERJ8GCYG102	M 1KOHM, G,1/8W
R4806	ERJ8GCYG470	M 47OHM, G,1/8W
R4807	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R4808	ERJ8GCYG273	M 27KOHM, G,1/8W
R4809	ERJ8GCYG104	M 100KOHM, G,1/8W
R4810	ERJ8GCYG223	M 22KOHM, G,1/8W
R4811	ERJ8GCYG472	M 4.7KOHM, G,1/8W
R4812	ERJ8GCYG103	M 10KOHM, G,1/8W
R4813	ERJ8GCYG103	M 10KOHM, G,1/8W
R4814	ERJ8GCYG222	M 2.2KOHM, G,1/8W
R4815	ERJ8GCYG222	M 2.2KOHM, G,1/8W
R4816	ERJ8GCYG471	M 470OHM, G,1/8W
R4817	ERJ8GCYG822	M 8.2KOHM,G,1/8W
R4818	ERJ8GCYG123	M 12KOHM, G,1/8W
R4819	ERJ8GCYJ101	M 100OHM, J,1/8W
R4820	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4821	ERJ8GCYJ223	M 22KOHM, J,1/8W
R4822	ERJ8GCYJ333	M 33KOHM, J,1/8W
R4823	ERJ8GCYG152	M 1.5KOHM, G,1/8W
R5001	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5002	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5003	ERJ8GCYJ823	M 82KOHM, J,1/8W
R5004	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R5005	EVN38CA00B53	CONTROL 5KOHMB
R5006	ERJ8GCYJ823	M 82KOHM, J,1/8W
R5007	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5008	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R5009	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R5010	ERJ8GCYJ564	M 560KOHM, J,1/8W
R5011	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5012	ERJ8GCYJ823	M 82KOHM, J,1/8W

Ref. No.	Part No.	Description
R5013	ERJ8GCYJ393	M 39KOHM, J,1/8W
R5014	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5015	EVN38CA00B53	CONTROL 5KOHMB
R5016	EVN38CA00B23	CONTROL 2KOHMB
R5017	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R5018	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5019	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R5020	ERJ8GCYJ223	M 22KOHM, J,1/8W
R5021	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R5022	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R5023	EVN38CA00B33	CONTROL 3KOHMB
R5024	ERJ8GCYJ153	M 15KOHM, J,1/8W
R5025	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R5026	ERJ8GCYJ101	M 100OHM, J,1/8W
R5027	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R5028	ERJ8GCYJ223	M 22KOHM, J,1/8W
R5029	ERJ8GCYJ223	M 22KOHM, J,1/8W
R5030	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5031	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R5032	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R5033	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R5034	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5035	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5036	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5037	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5038	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5039	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5040	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5041	ERD25FJ220	C 22OHM, J,1/4W
R5042	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R5043	ERJ8GCYJ273	M 27KOHM, J,1/8W
R5044	ERJ8GCYJ223	M 22KOHM, J,1/8W
R5045	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R5046	ERJ8GCYJ273	M 27KOHM, J,1/8W
R5047	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R5048	ERJ8GCYJ153	M 15KOHM, J,1/8W
R5049	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R5050	ERDS1TJ222	C 2.2KOHM, J,1/2W
R5053	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5054	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R5055	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5056	ERJ8GCYJ273	M 27KOHM, J,1/8W
R5057	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R5058	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R5059	ERQ12HJ100	F 10 OHM J
R5061	ERJ8GCYJ473	M 47KOHM, J,1/8W
R5062	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R5063	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R5064	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5065	ERJ8GCYJ333	M 33KOHM, J,1/8W
R5068	ERJ8GCYJ223	M 22KOHM, J,1/8W
R5071	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R5072	ERJ8GCYJ101	M 100OHM, J,1/8W
R5073	ERJ8GCYJ101	M 100OHM, J,1/8W
R5074	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R5075	ERJ8GCYJ472	M 4.7KOHM, J,1/8W

Ref. No.	Part No.	Description
R5076	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5077	ERJ8GCYJ101	M 100OHM, J,1/8W
R5078	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5079	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5080	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5081	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5082	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5083	ERJ8GCYJ561	M 560OHM, J,1/8W
R5084	ERJ8GCYJ104	M 100KOHM, J,1/8W
R5085	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R5086	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5087	ERJ8GCYJ101	M 100OHM, J,1/8W
R5088	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5089	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5090	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5091	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5092	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5093	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5094	ERG1SJ122P	M 1.2KOHM, J, 1W
R5095	ERJ8GCYJ100	M 10OHM, J,1/8W
R5096	ERG5CJ471	M 470OHM, J, 5W
R5097	ERF5AKR27	W 0.27OHM, K, 5W
R5098	ERX1SJ5R6P	M 5.6OHM, J, 1W
R5099	ERD50TJ334	C 330KOHM, J,1/2W
R5100	ERD50TJ334	C 330KOHM, J,1/2W
R5101	ERD50TJ334	C 330KOHM, J,1/2W
R5102	ERF2AKR27	W 0.27OHM, K, 2W
R5103	ERF2AKR27	W 0.27OHM, K, 2W
R5104	ERX2SJ4R7H	M 4.7OHM, J, 2W
R5106	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5107	ERJ8GCYJ101	M 100OHM, J,1/8W
R5108	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R5110	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5111	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R5112	ERJ8GCYJ153	M 15KOHM, J,1/8W
R5113	EVN38CA00B14	CONTROL 10KOHMB
R5114	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5115	ERJ8GCYJ183	M 18KOHM, J,1/8W
R5116	EVN38CA00B14	CONTROL 10KOHMB
R5117	ERJ8GCYJ101	M 100OHM, J,1/8W
R5118	ERJ8GCYJ101	M 100OHM, J,1/8W
R5119	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R5120	EVN38CA00B14	CONTROL 10KOHMB
R5121	ERJ8GCYJ223	M 22KOHM, J,1/8W
R5123	ERJ8GCYJ151	M 150OHM, J,1/8W
R5124	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5125	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5126	ERG3SJ682H	M 6.8KOHM, J, 3W
R5127	ERJ8GCYJ560	M 56OHM, J,1/8W
R5134	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R5135	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5136	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5137	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5138	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R5140	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R5141	ERJ8GCYJ682	M 6.8KOHM, J,1/8W

Ref. No.	Part No.	Description
R5148	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5149	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R5150	ERJ8GCYJ223	M 22KOHM, J,1/8W
R5151	ERJ8GCYJ153	M 15KOHM, J,1/8W
R5152	ERJ8GCYJ563	M 56KOHM, J,1/8W
R5153	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R5154	ERJ8GCYJ101	M 100OHM, J,1/8W
R5155	ERD50TJ222	C 2.2KOHM, J,1/2W
R5156	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5157	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R5158	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R5159	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R5160	ERDS1FJ122	C 1.2KOHM, J,1/2W
R5161	ERDS1FJ122	C 1.2KOHM, J,1/2W
R5162	ERF7ZJ221	W 220OHM, J, 7W
R5163	EVN38CA00B53	CONTROL 5KOHMB
R5164	ERJ8GCYJ153	M 15KOHM, J,1/8W
R5165	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5166	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R5167	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R5168	EVN38CA00B14	CONTROL 10KOHMB
R5170	ERJ8GCYJ153	M 15KOHM, J,1/8W
R5171	ERJ8GCYJ271	M 270OHM, J,1/8W
R5197	ERJ8GCYJ393	M 39KOHM, J,1/8W
R5200	ERG3SJ103H	M 10KOHM, J, 3W
R5201	ERDS1TJ102	C 1KOHM, J,1/2W
R5201	ERJ8GCYJ333	M 33KOHM, J,1/8W
R5202	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5203	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5204	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R5205	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5206	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R5208	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R5209	ERJ8GCYJ331	M 330OHM, J,1/8W
R5210	ERJ8GCYJ101	M 100OHM, J,1/8W
R5211	ERJ8GCYJ271	M 270OHM, J,1/8W
R5212	ERJ8GCYK125	M 1.2MOHM,K, 1/8W
R5213	ERJ8GCYJ564	M 560KOHM, J,1/8W
R5214	ERJ8GCYJ393	M 39KOHM, J,1/8W
R5215	EVN38CA00B22	CONTROL 200OHMB
R5216	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R5217	ERJ8GCYJ153	M 15KOHM, J,1/8W
R5218	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R5219	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R5220	EVN38CA00B23	CONTROL 2KOHMB
R5221	EVN38CA00B23	CONTROL 2KOHMB
R5222	ERG1SJ121P	M 120OHM, J, 1W
R5223	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R5224	ERDS1TJ102	C 1KOHM, J,1/2W
R5225	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5226	ERJ8GCYJ101	M 100OHM, J,1/8W
R5227	ERJ8GCYJ101	M 100OHM, J,1/8W
R5228	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R5229	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R5230	ERJ8GCYJ153	M 15KOHM, J,1/8W
R5231	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R5232	ERJ8GCYJ223	M 22KOHM, J,1/8W
R5233	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5234	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5235	ERDS1FJ101	C 100OHM, J,1/2W
R5236	EVN38CA00B24	CONTROL 20KOHMB
R5237	ERJ8GCYJ101	M 100OHM, J,1/8W
R5238	ERG3SJ682H	M 6.8KOHM, J, 3W
R5242	ERJ8GCYJ101	M 100OHM, J,1/8W
R5243	ERJ8GCYJ274	M 270KOHM, J,1/8W
R5244	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R5245	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R5246	ERJ8GCYJ101	M 100OHM, J,1/8W
R5247	ERJ8GCYJ102	M 1KOHM, J,1/8W
R5248	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R5249	ERJ8GCYJ154	M 150KOHM, J,1/8W
R5251	ERDS1TJ221	C 220OHM, J,1/2W
R5252	ERG1SJ183	
R5254	ERDS1FJ152	C 1.5KOHM, J,1/2W
R5255	ERDS1TJ182	C 1.8OHM, J,1/2W
R5256	ERJ8GCYJ333	M 33KOHM, J,1/8W
R5257	ERQ1CJP1R0S	F 1OHM, J, 1W
R5258	ERJ8GCYJ823	M 82KOHM, J,1/8W
R5259	EVN38CA00B24	CONTROL 20KOHMB
R5260	ERJ8GCYJ101	M 100OHM, J,1/8W
R5261	ERJ8GCYJ330	M 33OHM, J,1/8W
R5262	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5263	ERJ8GCYJ330	M 33OHM, J,1/8W
R5264	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R5265	ERJ8GCYJ274	M 270KOHM, J,1/8W
R5266	ERJ8GCYJ101	M 100OHM, J,1/8W
R5267	ERJ8GCYJ560	M 56OHM, J,1/8W
R5268	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5269	ERJ8GCYJ273	M 27KOHM, J,1/8W
R5270	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5272	ERDS1TJ104	C 100KOHM, J,1/2W
R5273	ERJ8GCYJ183	M 18KOHM, J,1/8W
R5274	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R5275	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R5276	ERJ8GCYJ183	M 18KOHM, J,1/8W
R5277	ERDS1FJ101	C 100OHM, J,1/2W
R5278	ERF2AK6R8	W 6.8OHM, K, 2W
R5281	ERJ8GCYJ823	M 82KOHM, J,1/8W
R5282	ERJ8GCYJ101	M 100OHM, J,1/8W
R5283	ERJ8GCYJ103	M 10KOHM, J,1/8W
R5284	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R5285	ERJ8GCYJ101	M 100OHM, J,1/8W
R6001	ERJ8GCYJ101	M 100OHM, J,1/8W
R6002	ERJ8GCYJ103	M 10KOHM, J,1/8W
R6004	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R6005	ERDS1TJ122	C 1.2KOHM, J,1/2W
R6006	ERJ8GCYK5R6	M 5.6OHM, K,1/8W
R6009	ERC12GK335	S 3.3MOHM, K,1/2W
R6010	ERC12GK335	S 3.3MOHM, K,1/2W
R6011	ERC12GK335	S 3.3MOHM, K,1/2W
R6012	ERJ8GCYJ393	M 39KOHM, J,1/8W
R6013	ERJ8GCYJ272	M 2.7KOHM, J,1/8W

Ref. No.	Part No.	Description
R6014	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R6015	ERJ8GCYJ102	M 1KOHM, J,1/8W
R6017	ERJ8GCYJ102	M 1KOHM, J,1/8W
R6018	ERJ8GCYJ103	M 10KOHM, J,1/8W
R6019	ERJ8GCYJ104	M 100KOHM, J,1/8W
R6020	ER025CKF1003	M 100KOHM, F,1/4W
R6021	EVN32CA00B23	CONTROL 2KOHMB
R6022	ER025CKF1002	M 10KOHM, F,1/4W
R6024	ERJ8GCYJ103	M 10KOHM, J,1/8W
R6025	ERJ8GCYJ824	M 820KOHM, J,1/8W
R6026	ER050CKF1003	M 100KOHM, F,1/2W
R6027	ER025CKF1002	M 10KOHM, F,1/4W
R6028	ERJ8GCYJ224	M 220KOHM, J,1/8W
R6029	ER025CKF2002	M 20KOHM, F,1/4W
R6030	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R6031	ERJ8GCYJ223	M 22KOHM, J,1/8W
R6032	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R6033	ERJ8GCYJ473	M 47KOHM, J,1/8W
R6034	ERJ8GCYJ102	M 1KOHM, J,1/8W
R6035	ERDS1FJ101	C 100OHM, J,1/2W
R6036	ERJ8GCYJ103	M 10KOHM, J,1/8W
R6037	ERJ8GCYJ103	M 10KOHM, J,1/8W
R6038	ERJ8GCYJ103	M 10KOHM, J,1/8W
R6039	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R6040	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R6041	EVN32CA00B24	CONTROL 20KOHMB
R6042	ERJ8GCYJ103	M 10KOHM, J,1/8W
R6043	ERJ8GCYJ103	M 10KOHM, J,1/8W
R6044	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R6045	ERJ8GCYJ103	M 10KOHM, J,1/8W
R6046	ERJ8GCYJ102	M 1KOHM, J,1/8W
R6047	ERJ8GCYJ102	M 1KOHM, J,1/8W
R6048	EVN32CA00B24	CONTROL 20KOHMB
R6065	ERJ8GCYJ101	M 100OHM, J,1/8W
R6066	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R6067	ERJ8GCYJ561	M 560OHM, J,1/8W
R6068	ERJ8GCYJ333	M 33KOHM, J,1/8W
R6069	ERJ8GCYJ474	M 470KOHM, J,1/8W
R6070	ER025CKF8202	M 82KOHM, F,1/4W
R6071	EVN32CA00B53	CONTROL 5KOHMB
R6072	ER025CKF3301	M 3.3KOHM, F,1/4W
R6073	ERG1SJ393P	M 37KOHM, J, 1W
R6074	ERDS1TJ122	C 1.2KOHM, J,1/2W
R6075	ERDS1TJ152	C 1.5KOHM, J,1/2W
R6076	ERDS1TJ561	C 560OHM, J,1/2W
R6077	ERF3AKR47	W 0.47OHM, K, 3W
R6089	ERJ8GCYJ102	M 1KOHM, J,1/8W
R6090	ERJ8GCYJ102	M 1KOHM, J,1/8W
R6092	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R6093	ERJ8GCYJ182	M 1.8KOHM, J,1/8W
R6094	ERDS1TJ560	C 56OHM, J,1/2W
R6095	ERG2SJ183H	M 18KOHM, J, 2W
R6097	ERG5SJ681H	
R6098	ERG3SJ332H	M 3.3KOHM, J, 3W
R6099	ERJ8GCYJ153	M 15KOHM, J,1/8W
R6100	ERJ8GCYJ563	M 56KOHM, J,1/8W
R6101	ERG5SJ681H	
R6102	ERG5SJ681H	
R6103	ERDS1FJ101	C 100OHM, J,1/2W
R6104	ERJ8GCYJ393	M 39KOHM, J,1/8W
R6105	EVN32CA00B14	CONTROL 10KOHMB
R6106	ERJ8GCYJ223	M 22KOHM, J,1/8W
R6107	ERJ8GCYJ123	M 12KOHM, J,1/8W
R6108	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R6109	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R6110	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R6111	ERJ8GCYJ102	M 1KOHM, J,1/8W
R6112	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R6113	ERF5ZK5R6	W 5.6OHM J, 5W
R6114	ERDS1FJ102	C 1KOHM, J,1/2W
R6115	ERDS1FJ102	C 1KOHM, J,1/2W
R6116	ERDS1FJ103	C 10KOHM, J,1/2W
R6117	ERJ8GCYJ101	M 100OHM, J,1/8W
R6118	EVN32CA00B14	CONTROL 10KOHMB
R6119	ERJ8GCYJ101	M 100OHM, J,1/8W
R6120	ERDS1FJ101	C 100OHM, J,1/2W
R6121	ERDS1FJ103	C 10KOHM, J,1/2W
R6122	ERDS1FJ101	C 100OHM, J,1/2W
R6123	ERJ8GCYJ101	M 100OHM, J,1/8W
R6124	ERJ8GCYJ101	M 100OHM, J,1/8W
R6125	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R6126	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R6127	ERJ8GCYJ102	M 1KOHM, J,1/8W
R6128	ERJ8GCYJ123	M 12KOHM, J,1/8W
R6129	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R6130	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R6131	ERJ8GCYJ101	M 100OHM, J,1/8W
R6132	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R6133	ERDS1TJ101	C 100OHM, J,1/2W
R6134	ERDS1FJ221	C 220OHM, J,1/2W
R6135	ERJ8GCYJ183	M 18KOHM, J,1/8W
R6136	ERJ8GCYJ103	M 10KOHM, J,1/8W
R6137	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7001	ERDS1FJ330	C 33OHM, J,1/2W
R7003	ERDS1FJ330	C 33OHM, J,1/2W
R7005	ERDS1TJ101	C 100OHM, J,1/2W
R7006	ERG3SJ220H	M 22OHM, J, 3W
R7007	ERDS1FJ101	C 100OHM, J,1/2W
R7008	ERG3SJ220H	M 22OHM, J, 3W
R7009	ERG1SJ680P	M 68OHM, J, 1W
R7010	ERDS1FJ390	C 39OHM, J,1/2W
R7012	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7013	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7014	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7015	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7016	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7017	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7018	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R7019	ERJ8GCYJ333	M 33KOHM, J,1/8W
R7020	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7023	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7024	ERJ8GCYG393	M 39KOHM, G,1/8W

Ref. No.	Part No.	Description
R7025	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R7026	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R7027	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7028	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7029	ERJ8GCYJ202	M 2KOHM, J,1/8W
R7030	EVND4AA00B23	CONTROL 2KOHMB
R7031	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7032	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7033	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7034	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7037	ERJ8GCYJ151	M 150OHM, J,1/8W
R7038	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7039	ERJ8GCYJ223	M 22KOHM, J,1/8W
R7040	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R7041	ERJ8GCYJ391	M 390OHM, J,1/8W
R7042	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7043	ERJ8GCYJ223	M 22KOHM, J,1/8W
R7044	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R7045	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7046	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7047	ERJ8GCYJ223	M 22KOHM, J,1/8W
R7048	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7049	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7050	ERJ8GCYJ331	M 330OHM, J,1/8W
R7051	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7052	ERJ8GCYJ471	M 470OHM, J,1/8W
R7053	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7054	ERJ8GCYJ123	M 12KOHM, J,1/8W
R7055	EVND4AA00B23	CONTROL 2KOHMB
R7056	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7057	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R7058	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R7061	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7062	ERJ8GCYJ394	M 390KOHM, J,1/8W
R7064	ERJ8GCYG272	M 2.7KOHM, G,1/8W
R7065	ERJ8GCYJ222	M 2.2KOHM, G,1/8W
R7066	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R7067	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7068	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7069	ERJ8GCYG103	M 10KOHM, G,1/8W
R7070	ERJ8GCYG103	M 10KOHM, G,1/8W
R7071	ERJ8GCYG103	M 10KOHM, G,1/8W
R7072	ERJ8GCYG103	M 10KOHM, G,1/8W
R7073	ERJ8GCYG472	M 4.7KOHM, G,1/8W
R7074	ERJ8GCYJ330	M 33OHM, J,1/8W
R7075	ERJ8GCYJ330	M 33OHM, J,1/8W
R7076	ERJ8GCYJ330	M 33OHM, J,1/8W
R7077	ERDS1TJ330	C 33OHM, J,1/2W
R7078	ERDS1TJ330	C 33OHM, J,1/2W
R7079	ERJ8GCYJ154	M 150KOHM, J,1/8W
R7080	ERJ8GCYJ393	M 39KOHM, J,1/8W
R7081	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7082	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7083	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R7084	ERJ8GCYJ154	M 150KOHM, J,1/8W
R7085	ERJ8GCYJ273	M 27KOHM, J,1/8W
R7086	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7087	ERJ8GCYJ821	M 820OHM, J,1/8W
R7088	ERJ8GCYJ391	M 390OHM, J,1/8W
R7089	ERJ8GCYJ154	M 150KOHM, J,1/8W
R7090	ERJ8GCYJ153	M 15KOHM, J,1/8W
R7091	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7092	ERJ8GCYJ471	M 470OHM, J,1/8W
R7093	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R7094	ERJ8GCYJ684	M 680KOHM, J,1/8W
R7095	ERDS1FJ102	C 1KOHM, J,1/2W
R7096	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R7097	ERJ8GCYJ154	M 150KOHM, J,1/8W
R7098	ERJ8GCYJ683	M 68KOHM, J,1/8W
R7099	ERJ8GCYJ101	M 100OHM, J,1/8W
R7100	ERJ8GCYJ821	M 820OHM, J,1/8W
R7101	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7102	ERJ8GCYJ154	M 150KOHM, J,1/8W
R7103	ERJ8GCYJ333	M 33KOHM, J,1/8W
R7104	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7105	ERJ8GCYJ391	M 390OHM, J,1/8W
R7106	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R7107	ERJ8GCYJ154	M 150KOHM, J,1/8W
R7108	ERJ8GCYJ223	M 22KOHM, J,1/8W
R7109	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7110	ERJ8GCYJ821	M 820OHM, J,1/8W
R7111	ERJ8GCYJ122	M 1.2KOHM, J,1/8W
R7112	ERJ8GCYJ101	M 100OHM, J,1/8W
R7113	ERJ8GCYJ101	M 100OHM, J,1/8W
R7114	ERJ8GCYJ101	M 100OHM, J,1/8W
R7115	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7116	ERJ8GCYJ101	M 100OHM, J,1/8W
R7117	ERJ8GCYJ101	M 100OHM, J,1/8W
R7119	ERJ8GCYJ223	M 22KOHM, J,1/8W
R7121	EVND4AA00B23	CONTROL 2KOHMB
R7122	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7126	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7127	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7128	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7129	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7130	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7131	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7132	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7133	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7134	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R7135	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7136	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R7137	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7138	ERJ8GCYJ471	M 470OHM, J,1/8W
R7139	ERJ8GCYJ563	M 56KOHM, J,1/8W
R7140	ERDS1TJ272	C 2.7KOHM, J,1/2W
R7141	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7142	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R7143	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7144	ERDS1TJ332	C 3.3KOHM, J,1/2
R7145	ERJ8GCYJ821	M 820OHM, J,1/8W
R7146	ERJ8GCYJ273	M 27KOHM, J,1/8W
R7148	ERJ8GCYJ101	M 100OHM, J,1/8W

Ref. No.	Part No.	Description
R7149	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R7151	ERJ8GCYJ681	M 680OHM, J,1/8W
R7153	ERJ8GCYJ154	M 150KOHM, J,1/8W
R7154	ERJ8GCYJ223	M 22KOHM, J,1/8W
R7155	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R7156	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7157	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7158	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7159	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7160	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7161	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7162	ERJ8GCYJ392	M 3.9KOHM, J,1/8W
R7163	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R7164	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7165	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R7166	ERJ8GCYJ471	M 470OHM, J,1/8W
R7167	ERJ8GCYJ563	M 56KOHM, J,1/8W
R7168	ERDS1TJ272	C 2.7KOHM, J,1/2W
R7169	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7170	ERJ8GCYJ821	M 820OHM, J,1/8W
R7171	ERDS1TJ332	C 3.3KOHM, J,1/2
R7172	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R7173	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7174	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R7175	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R7176	ERJ8GCYJ681	M 680OHM, J,1/8W
R7177	ERJ8GCYJ224	M 220KOHM, J,1/8W
R7178	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7179	ERJ8GCYJ393	M 39KOHM, J,1/8W
R7181	ERJ8GCYJ101	M 100OHM, J,1/8W
R7183	ERJ8GCYJ822	M 8.2KOHM, J,1/8W
R7184	ERJ8GCYJ681	M 680OHM, J,1/8W
R7186	ERJ8GCYG272	M 2.7KOHM, G,1/8W
R7187	ERJ8GCYG471	M 470OHM, G,1/8W
R7188	ERJ8GCYG153	M 15KOHM, G,1/8W
R7189	ERJ8GCYG471	M 470OHM, G,1/8W
R7190	ERJ8GCYJ224	M 220KOHM, J,1/8W
R7192	EVND4AA00B54	CONTROL 50KOHMB
R7193	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7195	ERJ8GCYJ183	M 18KOHM, J,1/8W
R7196	ERJ8GCYJ101	M 100OHM, J,1/8W
R7197	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7199	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7200	ERJ8GCYJ333	M 33KOHM, J,1/8W
R7201	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7202	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7203	ERJ8GCYJ273	M 27KOHM, J,1/8W
R7204	ERJ8GCYJ101	M 100OHM, J,1/8W
R7205	EVND4AA00B24	CONTROL 20KOHMB
R7206	EVND4AA00B24	CONTROL 20KOHMB
R7207	EVND4AA00B24	CONTROL 20KOHMB
R7208	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7209	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7210	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R7211	ERJ8GCYJ152	M 1.5KOHM, J,1/8W
R7212	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7213	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7214	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7215	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7216	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7217	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7218	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7219	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7220	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7221	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7222	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7223	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7224	EVND4H00GB24	CONTROL 20KOHMB
R7225	EVND4H00RB24	CONTROL 20KOHMB
R7226	EVND4H00GB24	CONTROL 20KOHMB
R7227	EVND4H00GB24	CONTROL 20KOHMB
R7228	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R7229	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R7230	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7231	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7232	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7233	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7234	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7235	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7236	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7237	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7238	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7239	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7240	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7241	EVND4H00RB24	CONTROL 20KOHMB
R7242	EVND4H00RB24	CONTROL 20KOHMB
R7243	EVND4H00RB24	CONTROL 20KOHMB
R7244	EVND4H00RB24	CONTROL 20KOHMB
R7245	EVND4H00RB24	CONTROL 20KOHMB
R7246	EVND4H00RB24	CONTROL 20KOHMB
R7247	EVND4H00RB24	CONTROL 20KOHMB
R7248	EVND4H00RB24	CONTROL 20KOHMB
R7249	EVND4H00RB24	CONTROL 20KOHMB
R7250	EVND4H00RB24	CONTROL 20KOHMB
R7251	EVND4H00RB24	CONTROL 20KOHMB
R7252	EVND4H00RB24	CONTROL 20KOHMB
R7253	EVND4H00RB24	CONTROL 20KOHMB
R7254	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7255	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7256	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7257	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7258	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7259	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7260	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7261	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7262	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7263	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7264	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R7265	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7266	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7267	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7268	ERJ8GCYJ562	M 5.6KOHM, J,1/8W

Ref. No.	Part No.	Description
R7269	EVND4H00RB24	CONTROL 20KOHMB
R7270	EVND4H00RB24	CONTROL 20KOHMB
R7271	EVND4H00RB24	CONTROL 20KOHMB
R7272	EVND4H00RB24	CONTROL 20KOHMB
R7273	EVND4H00RB24	CONTROL 20KOHMB
R7274	EVND4H00RB24	CONTROL 20KOHMB
R7275	EVND4H00RB24	CONTROL 20KOHMB
R7276	EVND4H00RB24	CONTROL 20KOHMB
R7277	EVND4H00RB24	CONTROL 20KOHMB
R7278	EVND4H00RB24	CONTROL 20KOHMB
R7279	EVND4H00RB24	CONTROL 20KOHMB
R7280	EVND4H00RB24	CONTROL 20KOHMB
R7281	EVND4H00RB24	CONTROL 20KOHMB
R7282	EVND4H00RB24	CONTROL 20KOHMB
R7283	EVND4H00RB24	CONTROL 20KOHMB
R7284	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R7285	ERJ8GCYJ272	M 2.7KOHM, J,1/8W
R7286	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7287	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7288	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7289	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7290	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7291	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7292	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7293	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7294	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7295	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7296	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7297	EVND4H00BB24	CONTROL 20KOHMB
R7298	EVND4H00BB24	CONTROL 20KOHMB
R7299	EVND4H00BB24	CONTROL 20KOHMB
R7300	EVND4H00BB24	CONTROL 20KOHMB
R7301	EVND4H00BB24	CONTROL 20KOHMB
R7302	EVND4H00BB24	CONTROL 20KOHMB
R7303	EVND4H00BB24	CONTROL 20KOHMB
R7304	EVND4H00BB24	CONTROL 20KOHMB
R7305	EVND4H00BB24	CONTROL 20KOHMB
R7306	EVND4H00BB24	CONTROL 20KOHMB
R7307	EVND4H00BB24	CONTROL 20KOHMB
R7308	EVND4H00BB24	CONTROL 20KOHMB
R7309	EVND4H00BB24	CONTROL 20KOHMB
R7310	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7311	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7312	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7313	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7314	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7315	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7316	ERJ8GCYJ682	M 6.8KOHM, J,1/8W
R7317	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7318	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7319	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7320	ERJ8GCYJ332	M 3.3KOHM, J,1/8W
R7321	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7322	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7323	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7324	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7325	EVND4H00BB24	CONTROL 20KOHMB
R7326	EVND4H00BB24	CONTROL 20KOHMB
R7327	EVND4H00BB24	CONTROL 20KOHMB
R7328	EVND4H00BB24	CONTROL 20KOHMB
R7329	EVND4H00BB24	CONTROL 20KOHMB
R7330	EVND4H00BB24	CONTROL 20KOHMB
R7331	EVND4H00BB24	CONTROL 20KOHMB
R7332	EVND4H00BB24	CONTROL 20KOHMB
R7333	EVND4H00BB24	CONTROL 20KOHMB
R7334	EVND4H00BB24	CONTROL 20KOHMB
R7335	EVND4H00BB24	CONTROL 20KOHMB
R7336	EVND4H00BB24	CONTROL 20KOHMB
R7337	EVND4H00BB24	CONTROL 20KOHMB
R7338	EVND4H00BB24	CONTROL 20KOHMB
R7339	EVND4H00BB24	CONTROL 20KOHMB
R7340	ERJ8GCYJ333	M 33KOHM, J,1/8W
R7341	ERJ8GCYJ333	M 33KOHM, J,1/8W
R7342	ERJ8GCYJ333	M 33KOHM, J,1/8W
R7343	EVND4H00GB24	CONTROL 20KOHMB
R7344	EVJFLAEA4B24	CONTROL 20KOHMB
R7345	EVJFLAEA4B24	CONTROL 20KOHMB
R7346	ERJ8GCYJ333	M 33KOHM, J,1/8W
R7347	ERJ8GCYJ333	M 33KOHM, J,1/8W
R7348	ERJ8GCYJ333	M 33KOHM, J,1/8W
R7349	EVND4H00GB24	CONTROL 20KOHMB
R7350	EVJFLAEA4B24	CONTROL 20KOHMB
R7351	EVJFLAEA4B24	CONTROL 20KOHMB
R7352	ERDS1FJ821	C 820OHM, J,1/2W
R7353	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7354	ERJ8GCYJ223	M 22KOHM, J,1/8W
R7355	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7356	ERJ8GCYJ101	M 100OHM, J,1/8W
R7357	ERJ8GCYJ101	M 100OHM, J,1/8W
R7358	ERJ8GCYJ121	M 120OHM, J,1/8W
R7359	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7360	ERJ8GCYJ121	M 120OHM, J,1/8W
R7361	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7362	ERDS1FJ221	C 220OHM, J,1/2W
R7363	ERDS1FJ1R0	C 1OHM, J,1/2W
R7364	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7365	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7366	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7367	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7368	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7369	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7370	ERDS1FJ820	C 82OHM, J,1/2W
R7371	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7372	ERDS1FJ1R0	C 1OHM, J,1/2W
R7373	ERJ8GCYJ121	M 120OHM, J,1/8W
R7374	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7375	ERJ8GCYJ121	M 120OHM, J,1/8W
R7376	ERJ8GCYJ121	M 120OHM, J,1/8W
R7377	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7378	ERJ8GCYJ121	M 120OHM, J,1/8W
R7379	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7380	ERDS1FJ101	C 100OHM, J,1/2W

Ref. No.	Part No.	Description
R7381	ERDS1FJ1R0	C 1OHM, J,1/2W
R7382	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7383	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7384	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7385	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7386	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7387	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7388	ERDS1FJ221	C 220OHM, J,1/2W
R7389	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7390	ERDS1FJ1R0	C 1OHM, J,1/2W
R7391	ERJ8GCYJ121	M 120OHM, J,1/8W
R7392	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7393	ERJ8GCYJ121	M 120OHM, J,1/8W
R7394	ERJ8GCYJ121	M 120OHM, J,1/8W
R7395	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7396	ERJ8GCYJ121	M 120OHM, J,1/8W
R7397	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7398	ERDS1FJ221	C 220OHM, J,1/2W
R7399	ERDS1FJ1R0	C 1OHM, J,1/2W
R7400	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7401	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7402	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7403	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7404	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7405	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7406	ERDS1FJ221	C 220OHM, J,1/2W
R7407	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7408	ERDS1FJ1R0	C 1OHM, J,1/2W
R7409	ERJ8GCYJ121	M 120OHM, J,1/8W
R7410	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7411	ERJ8GCYJ121	M 120OHM, J,1/8W
R7412	ERJ8GCYJ121	M 120OHM, J,1/8W
R7413	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7414	ERJ8GCYJ121	M 120OHM, J,1/8W
R7415	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7416	ERDS1FJ471	C 470OHM, J,1/2W
R7417	ERDS1FJ1R0	C 1OHM, J,1/2W
R7418	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7419	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7420	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7421	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7422	ERJ8GCYJ222	M 2.2KOHM, J,1/8W
R7423	ERX2SJ8R2H	M 8.2OHM, J, 2W
R7424	ERDS1FJ101	C 100OHM, J,1/2W
R7425	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7426	ERDS1FJ1R0	C 1OHM, J,1/2W
R7427	ERJ8GCYJ121	M 120OHM, J,1/8W
R7428	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7429	ERJ8GCYJ121	M 120OHM, J,1/8W
R7430	ERDS1FJ1R2	C 1.2OHM, J,1/2W
R7431	ERDS1FJ1R0	C 1OHM, J,1/2W
R7432	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7433	ERDS1FJ471	C 470OHM, J,1/2W
R7434	ERDS1FJ1R2	C 1.2OHM, J,1/2W
R7435	ERDS1FJ1R0	C 1OHM, J,1/2W
R7436	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7437	ERJ8GCYJ151	M 150OHM, J,1/8W
R7438	ERJ8GCYJ224	M 220KOHM, J,1/8W
R7439	ERDS1FJ390	C 39OHM, J,1/2W
R7440	EVJFLAEA4B24	CONTROL 20KOHMB
R7441	EVJFLAEA4B24	CONTROL 20KOHMB
R7442	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7443	EVND4AA00B24	CONTROL 20KOHMB
R7444	ERJ8GCYJ101	M 100OHM, J,1/8W
R7447	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7448	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7449	ERJ8GCYJ202	M 2KOHM, J,1/8W
R7450	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7451	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7452	ERJ8GCYJ202	M 2KOHM, J,1/8W
R7453	ERJ8GCYJ273	M 27KOHM, J,1/8W
R7454	ERJ8GCYJ223	M 22KOHM, J,1/8W
R7455	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7456	ERJ8GCYJ202	M 2KOHM, J,1/8W
R7457	ERDS1FJ151	C 150OHM, J,1/2W
R7458	ERDS1FJ151	C 150OHM, J,1/2W
R7459	ERDS1FJ151	C 150OHM, J,1/2W
R7460	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7461	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7462	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7463	ERJ8GCYJ471	M 470OHM, J,1/8W
R7464	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7465	ERDS1FJ152	C 1.5KOHM, J,1/2W
R7466	ERJ8GCYJ223	M 22KOHM, J,1/8W
R7467	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7468	ERJ8GCYJ123	M 12KOHM, J,1/8W
R7469	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7470	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7471	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7472	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7473	ERJ8GCYJ472	M 4.7KOHM, J,1/8W
R7474	ERJ8GCYG153	M 15KOHM, G,1/8W
R7475	ERJ8GCYG103	M 10KOHM, G,1/8W
R7476	ERJ8GCYG103	M 10KOHM, G,1/8W
R7477	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7478	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7479	ERJ8GCYJ105	M 1MOHM, J,1/8W
R7480	ERJ8GCYJ123	M 12KOHM, J,1/8W
R7481	ERJ8GCYJ102	M 1KOHM, J,1/8W
R7482	ERDS1FJ471	C 470OHM, J,1/2W
R7483	EVND4AA00B23	CONTROL 2KOHMB
R7484	EVND4AA00B23	CONTROL 2KOHMB
R7485	EVND4AA00B23	CONTROL 2KOHMB
R7486	ERJ8GCYJ101	M 100OHM, J,1/8W
R7488	ERJ8GCYJ562	M 5.6KOHM, J,1/8W
R7489	EVND4H00BB24	CONTROL 20KOHMB
R7490	ERJ8GCYJ563	M 56KOHM, J,1/8W
R7491	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7492	ERJ8GCYJ563	M 56KOHM, J,1/8W
R7494	ERJ8GCYJ333	M 33KOHM, J,1/8W
R7495	ERJ8GCYJ563	M 56KOHM, J,1/8W
R7496	ERJ8GCYJ562	M 5.6KOHM, J,1/8W

Ref. No.	Part No.	Description
R7497	EVND4AA00B24	CONTROL 20KOHMB
R7498	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7499	ERJ8GCYJ273	M 27KOHM, J,1/8W
R7500	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7501	ERJ8GCYJ103	M 10KOHM, J,1/8W
R7502	ERJ8GCYJ223	M 22KOHM, J,1/8W
R7503	ERJ8GCYJ473	M 47KOHM, J,1/8W
R7504	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7505	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7506	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7507	ERJ8GCYJ104	M 100KOHM, J,1/8W
R7508	EVND4H00RB24	CONTROL 20KOHMB
R7509	EVND4H00BB24	CONTROL 20KOHMB
R7510	EVND4H00RB24	CONTROL 20KOHMB
R7511	EVND4H00BB24	CONTROL 20KOHMB
R7512	ERJ8GCYJ124	M 120KOHM, J,1/8W
R9001	ERD25TJ221	C 220 OHM J
R9002	ERD25TJ221	C 220 OHM J
R9003	ERD25TJ221	C 220 OHM J
R9004	ERC12ZGK824	S 820KOHM, K,1/2W
R9005	ERC12ZGK335	S 3.3MOHM, K,1/2W
R9006	ERG2ANJ104H	M 100KOHM, J, 2W
R9007	ERG3SJ102H	M 1KOHM, J, 3W
R9008	ERD50TJ104	C 100KOHM, J,1/2W
R9009	ERD50TJ104	C 100KOHM, J,1/2W
R9010	ERG3SJ682H	M 6.8KOHM, J, 3W
R9011	ERD25FJ222	C 2.2KOHM, J,1/4W
R9012	ERD25TJ392	C 3.9K OHM J
R9013	ERD25TJ472	C 4.7K OHM J
R9014	ERD25TJ101	C 100 OHM J
R9015	ERD25FJ100	C 100OHM, J,1/4W
R9016	ERG1SJ331P	M 330OHM, J, 1W
R9017	ERD25TJ823	C 82K OHM J
R9018	ERD25TJ473	C 47K OHM J
R9019	ERD25TJ473	C 47K OHM J
R9020	ERD25TJ222	C 2.2K OHM J
R9021	ERD25TJ471	C 470 OHM J
R9022	ERD25TJ101	C 100 OHM J
R9023	ERD50TJ560	C 560HM, J,1/2W
R9024	ERD25TJ561	C 560 OHM J
R9025	ERG1SJ681P	M 680OHM, J, 1W
R9026	ERD25TJ822	C 8.2K OHM J
R9027	ERD25TJ333	C 33K OHM J
R9028	ERG3SJ682H	M 6.8KOHM, J, 3W
R9030	ERF20HMK3R3	W 3.3OHM, 20W
R9031	ERF20HMK3R3	W 3.3OHM, 20W
R9101	ERD25TJ393	C 39KOHM, J,1/4W
R9102	ERD25TJ104	C 100KOHM, J,1/4W
R9103	ERG2SJ333H	M 33KOHM, J, 2W
R9104	ERG2SJ333H	M 33KOHM, J, 2W
R9105	ERD25TJ101	C 100 OHM J
R9106	ERF2AKR68	W 0.68OHM, J, 2W
R9107	ERD75TAJ825	C 8.2MOHM, J,3/4W
R9108	ERQ12HKR27	F 0.27OHM, K,1/2W
R9109	ERDS1TJ104	C 100KOHM, J,1/2W
R9110	EVN32CA00B24	CONTROL 20KOHMB
R9111	ERD25TJ223	C 22K OHM J
R9112	ERD25FJ331	C 330OHM, J,1/4W
R9113	ERG2SJ180H	
R9114	ERDS1TJ120	C 120HM, J,1/2W
R9115	ERD25TJ393	C 39KOHM, J,1/4W
R9116	ERD25TJ564	C 560KOHM, J,1/4W
R9201	ERD25TJ393	C 39KOHM, J,1/4W
R9202	ERD25TJ104	C 100KOHM, J,1/4W
R9203	ERG2SJ333H	M 33KOHM, J, 2W
R9204	ERG2SJ333H	M 33KOHM, J, 2W
R9205	ERD25TJ101	C 100 OHM J
R9206	ERF2AKR68	W 0.68OHM, J, 2W
R9208	ERQ1CKPR33S	F 0.33OHM, K, 1W
R9209	ERQ12HKR22	F 0.22OHM, K,1/2W
R9210	ERG2SJ100H	M 10OHM, J, 2W
R9211	ERQ12HKR22	F 0.22OHM, K,1/2W
R9212	ERD25FJ820	C 82OHM, J,1/4W
R9213	EVN32CA00B24	CONTROL 20KOHMB
R9214	ERD25TJ223	C 22K OHM J
R9215	ERD25TJ393	C 39KOHM, J,1/4W
R9301	ERD25TJ393	C 39KOHM, J,1/4W
R9302	ERD25TJ104	C 100KOHM, J,1/4W
R9303	ERG2SJ333H	M 33KOHM, J, 2W
R9304	ERG2SJ333H	M 33KOHM, J, 2W
R9305	ERDS2TJ151	C 150OHM, J
R9306	ERF2AKR68	W 0.68OHM, J, 2W
R9308	ERQ2CKPR47S	F 0.47OHM, K, 2W
R9309	ERQ1CKPR33S	F 0.33OHM, K, 1W
R9310	ERQ12HKR22	F 0.22OHM, K,1/2W
R9311	ERQ12HKR22	F 0.22OHM, K,1/2W
R9312	ERQ12HKR56	F 0.56OHM, K,1/2W
R9314	ERDS1TJ120	C 120HM, J,1/2W
R9315	ERQ14AJ151P	F 150OHM, J,1/4W
R9316	ERD25FJ271	C 270OHM, J, 1/4W
R9317	ERTD2FFL601S	THERMISTOR

CAPACITORS

C301	ECEA1CN330S	E 33UF, 16V
C302	ECEA1CN330S	E 33UF, 16V
C303	ECEA1CU101	E 100UF
C304	ECEA1CN330S	E 33UF, 16V
C305	ECEA1CU101	E 100UF
C306	ECEA1HNR47S	E 0.47UF, 50V
C307	ECEA1HN010S	E 1UF, 50V
C308	ECUX1H103KBM	C 0.01UF K
C309	ECEA1CU471	E 470UF, 16V
C310	ECUX1H103KBM	C 0.01UF K
C311	ECUX1H150JCM	C 15PF J
C312	ECUX1H103KBM	C 0.01UF K
C313	ECEA1CU101	E 100UF
C314	ECUX1H103KBM	C 0.01UF K
C315	ECEA1CN101S	E 100UF, 16V
C316	ECUX1H103KBM	C 0.01UF K
C317	ECEA1HU2R2	E 2.2UF, 50V
C318	ECUX1H103KBM	C 0.01UF K
C319	ECUX1H120JCM	C 12PF, J, 50V
C320	ECUX1H103KBM	C 0.01UF K

Ref. No.	Part No.	Description
C321	ECEA1VU221	E 220UF, 35V
C322	ECEA1CN330S	E 33UF, 16V
C323	ECEA1CN330S	E 33UF, 16V
C324	ECEA1CU101	E 100UF
C325	ECEA1CN330S	E 33UF, 16V
C326	ECEA1HNR47S	E 0.47UF, 50V
C327	ECEA1HN010S	E 1UF, 50V
C328	ECUX1H103KBM	C 0.01UF K
C329	ECEA1CU471	E 470UF, 16V
C330	ECUX1H103KBM	C 0.01UF K
C331	ECUX1H150JCM	C 15PF J
C332	ECUX1H103KBM	C 0.01UF K
C333	ECEA1CU330	E 33UF
C334	ECEA1CU101	E 100UF
C335	ECUX1H103KBM	C 0.01UF K
C336	ECEA1CN101S	E 100UF, 16V
C337	ECUX1H103KBM	C 0.01UF K
C338	ECEA1HU2R2	E 2.2UF, 50V
C339	ECUX1H103KBM	C 0.01UF K
C340	ECUX1H120JCM	C 12PF, J, 50V
C341	ECUX1H103KBM	C 0.01UF K
C342	ECEA1VU221	E 220UF, 35V
C343	ECEA1CN330S	E 33UF, 16V
C344	ECEA1CN330S	E 33UF, 16V
C345	ECEA1CU101	E 100UF
C346	ECEA1CN330S	E 33UF, 16V
C347	ECEA1HNR47S	E 0.47UF, 50V
C348	ECEA1HN010S	E 1UF, 50V
C349	ECUX1H103KBM	C 0.01UF K
C350	ECEA1CU471	E 470UF, 16V
C351	ECUX1H103KBM	C 0.01UF K
C352	ECUX1H150JCM	C 15PF J
C353	ECUX1H103KBM	C 0.01UF K
C354	ECEA1CU101	E 100UF
C355	ECUX1H103KBM	C 0.01UF K
C356	ECEA1CN101S	E 100UF, 16V
C357	ECUX1H103KBM	C 0.01UF K
C358	ECEA1CU100	E 10UF
C359	ECEA1HU2R2	E 2.2UF, 50V
C360	ECEA1CU100	E 10UF
C361	ECUX1H103KBM	C 0.01UF K
C362	ECUX1H120JCM	C 12PF, J, 50V
C363	ECUX1H103KBM	C 0.01UF K
C364	ECEA1VU221	E 220UF, 35V
C365	ECUX1H103KBM	C 0.01UF K
C366	ECUX1H103KBM	C 0.01UF K
C367	ECUX1H103KBM	C 0.01UF K
C501	ECUX1H103KBM	C 0.01UF K
C503	ECEA1EU330	E 33UF
C504	ECEA1EU330	E 33UF
C505	ECEA1VU221	E 220UF, 35V
C506	ECEA1VU470	E 47UF, 35V
C507	ECEA1CU471	E 470UF, 16V
C508	ECEA1EU101	E 100UF
C509	ECEA1HN010S	E 1UF, 50V
C510	ECUX1H103KBM	C 0.01UF K
C511	ECEA1HN010S	E 1UF, 50V
C512	ECEA1HN010S	E 1UF, 50V
C513	ECEA1CN220S	E 22UF, 16V
C514	ECEA1CN330S	E 33UF, 16V
C515	ECEA1CN220S	E 22UF, 16V
C516	ECEA1CN330S	E 33UF, 16V
C517	ECQV1H394JZ	P 0.39UF, J, 50V
C518	ECUX1H103KBM	C 0.01UF K
C519	ECQV1H124JZ	P 0.12UF, J, 50V
C520	ECEA1CU471	E 470UF, 16V
C521	ECEA1CU471	E 470UF, 16V
C522	ECUX1H470JCM	C 47PF, J, 50V
C523	ECUX1H470JCM	C 47PF, J, 50V
C524	ECUX1H103KBM	C 0.01UF K
C525	ECUX1H103KBM	C 0.01UF K
C526	ECUX1H470JCM	C 47PF, J, 50V
C527	ECEA1CU221	E 220UF
C528	ECUX1H103KBM	C 0.01UF K
C529	ECEA1CU220	E 22UF, 16V
C530	ECEA1CU220	E 22UF, 16V
C531	ECEA1CU220	E 22UF, 16V
C532	ECEA1CU100	E 10UF
C533	ECUX1H103KBM	C 0.01UF K
C534	ECUX1H103KBM	C 0.01UF K
C535	ECEA1HN010S	E 1UF, 50V
C536	ECEA1HN010S	E 1UF, 50V
C537	ECUX1H151JCM	C 150PF, J, 50V
C538	ECQK1822JZ	P 8200PF, J,100V
C539	ECUX1H103KBM	C 0.01UF K
C540	ECUX1H681JCM	C 680PF, J, 50V
C541	ECEA1CU330	E 33UF
C542	ECUX1H102KBM	C 1000PF K
C543	ECUX1H103KBM	C 0.01UF K
C544	ECQM1H104KV	P 0.1UF, K, 50V
C545	ECUX1H103KBM	C 0.01UF K
C546	ECUX1H103KBM	C 0.01UF K
C547	ECUX1H103KBM	C 0.01UF K
C548	ECUX1H470JCM	C 47PF, J, 50V
C549	ECUX1H330JCM	C 33PF, J, 50V
C550	ECUX1H330JCM	C 33PF, J, 50V
C551	ECUX1H330JCM	C 33PF, J, 50V
C552	ECUX1H103KBM	C 0.01UF K
C553	ECEA1CU220	E 22UF, 16V
C554	ECUX1H103KBM	C 0.01UF K
C555	ECUX1H102KBM	C 1000PF K
C556	ECUX1H103KBM	C 0.01UF K
C557	ECUX1H103KBM	C 0.01UF K
C558	ECUX1H330JCM	C 33PF, J, 50V
C559	ECUX1H103KBM	C 0.01UF K
C560	ECUX1H103KBM	C 0.01UF K
C561	ECUX1H103KBM	C 0.01UF K
C562	ECUX1H103KBM	C 0.01UF K
C563	ECUX1H103KBM	C 0.01UF K
C564	ECUX1H103KBM	C 0.01UF K
C565	ECUX1H103KBM	C 0.01UF K
C566	ECUX1H103KBM	C 0.01UF K

Ref. No.	Part No.	Description
C567	ECUX1H103KBM	C 0.01UF K
C568	ECUX1H103KBM	C 0.01UF K
C569	ECEA1CU100	E 10UF
C570	ECEA1CU100	E 10UF
C571	ECUX1H103KBM	C 0.01UF K
C572	ECEA1HU010	E 1UF
C573	ECUX1H103KBM	C 0.01UF K
C574	ECUX1H330JCM	C 33PF, J, 50V
C575	ECEA1EN220S	E 22UF, 25V
C576	ECEA1EN100S	E 10UF, 25V
C577	ECUX1H103KBM	C 0.01UF K
C578	ECEA1CU220	E 22UF, 16V
C579	ECUX1H103KBM	C 0.01UF K
C580	ECUX1H331JCM	C 330PF, J, 50V
C581	ECUX1H221JCM	C 220PF, J, 50V
C582	ECUX1H121JCM	C 120PF, J, 50V
C583	ECUX1H103KBM	C 0.01UF K
C584	ECEA1CU101	E 100UF
C585	ECUX1H103KBM	C 0.01UF K
C586	ECUX1H151JCM	C 150PF, J, 50V
C587	ECQM1H103JV	P 0.01UF J
C588	ECUX1H331JCM	C 330PF, J, 50V
C589	ECUX1H151JCM	C 150PF, J, 50V
C590	ECUX1H221JCM	C 220PF, J, 50V
C591	ECEA1CU100	E 10UF
C592	ECEA1HN3R3S	E 3.3UF, 50V
C593	ECEA1CU470	E 47UF
C801	ECEA1CN470S	E 47UF, 16V
C804	ECEA1CU100	E 10UF
C806	ECUX1H470JCM	C 47PF, J, 50V
C807	ECKF1H103KB	C 0.01UF K
C808	ECQM1H823KV	P 0.082UF, K, 50V
C810	ECEA1VU101	E 100UF, 35V
C811	ECEA1VU101	E 100UF, 35V
C812	ECEA1VU101	E 100UF, 35V
C813	ECCF1H221J	C 220PF J
C814	ECCF1H221J	C 220PF J
C815	ECCF1H221J	C 220PF J
C816	ECKF1H821KB	C 820PF, K, 50V
C817	ECKF1H821KB	C 820PF, K, 50V
C818	ECKF1H821KB	C 820PF, K, 50V
C819	ECKD2H472MD	C 4700PF, M,500V
C820	ECKD2H472MD	C 4700PF, M,500V
C821	ECKD2H472MD	C 4700PF, M,500V
C822	ECKD2H472MD	C 4700PF, M,500V
C823	ECKD2H472MD	C 4700PF, M,500V
C824	ECKD2H472MD	C 4700PF, M,500V
C825	ECEA2CU100	E 10UF, 160V
C826	ECEA2CU100	E 10UF, 160V
C827	ECEA2CU100	E 10UF, 160V
C828	ECEA0JU101	E 100UF, 6.3V
C829	ECEA0JU101	E 100UF, 6.3V
C830	ECEA0JU101	E 100UF, 6.3V
C831	ECEA0JU101	E 100UF, 6.3V
C832	ECEA0JU101	E 100UF, 6.3V
C833	ECEA0JU101	E 100UF, 6.3V
C834	ECKD2H151KB2	C 150PF, K,500V
C835	ECKD2H151KB2	C 150PF, K,500V
C836	ECKD2H151KB2	C 150PF, K,500V
C837	ECEA2CU100	E 10UF, 160V
C838	ECEA2CU100	E 10UF, 160V
C839	ECEA2CU100	E 10UF, 160V
C840	ECEA1AU331	E 330UF, 10V
C841	ECEA1VU101	E 100UF, 35V
C842	ECEA1CU101	E 100UF
C843	ECQM1H563KV	P 0.056UF, K, 50V
C844	ECEA2CU100	E 10UF, 160V
C846	ECUX1H103KBM	C 0.01UF K
C901	ECEA1HN100S	E 10UF, 50V
C902	ECEA1HU2R2	E 2.2UF, 50V
C903	ECEA1HN010S	E 1UF, 50V
C904	ECEA1HN010S	E 1UF, 50V
C905	ECEA1HN100S	E 10UF, 50V
C906	ECQM1H562KV	P 5600PF, K, 50V
C908	ECEA1EN100S	E 10UF, 25V
C1001	ECUX1H103KBM	C 0.01UF K
C1002	ECUX1H103KBM	C 0.01UF K
C1003	ECUX1H103KBM	C 0.01UF K
C1004	ECEA1AU101	E 100UF
C1005	ECEA1CU100	E 10UF
C1006	ECEA1CU100	E 10UF
C1007	ECUX1H103KBM	C 0.01UF K
C1008	ECUX1H103KBM	C 0.01UF K
C1009	ECUX1H103KBM	C 0.01UF K
C1010	ECUX1H103KBM	C 0.01UF K
C1011	ECEA1AU101	E 100UF
C1012	ECEA1CU470	E 47UF
C1013	ECEA1CU470	E 47UF
C1014	ECEA1CU470	E 47UF
C1015	ECEA1CU470	E 47UF
C1017	ECEA1HU010	E 1UF
C1018	ECEA1HU010	E 1UF
C1019	ECEA1AU471	E 470UF
C1020	ECEA1AU470	E 47UF, 10V
C1021	ECEA1VU101	E 100UF, 35V
C1022	ECEA1CU470	E 47UF
C1023	ECEA1CU470	E 47UF
C1024	ECEA1CU470	E 47UF
C1025	ECEA1CU470	E 47UF
C1026	ECEA1CU470	E 47UF
C1027	ECEA1CU470	E 47UF
C1028	ECEA1CU470	E 47UF
C1029	ECEA1CU470	E 47UF
C1030	ECEA1CU470	E 47UF
C1031	ECEA1CU470	E 47UF
C1032	ECEA1CU470	E 47UF
C1033	ECEA1CU470	E 47UF
C1034	ECEA1CU471	E 470UF, 16V
C1035	ECEA1CU470	E 47UF
C1038	ECEA1CU470	E 47UF
C1039	ECQM1H393JV	P 0.039UF, J, 50V
C1040	ECEA1CU220	E 22UF, 16V

Ref. No.	Part No.	Description
C1041	ECEA1CU470	E 47UF
C1042	ECEA1CU470	E 47UF
C1043	ECEA1CU471	E 470UF, 16V
C1044	ECUX1H103KBM	C 0.01UF K
C1045	ECUX1H103KBM	C 0.01UF K
C1046	ECEA1EU101	E 100UF
C1047	ECUX1H103KBM	C 0.01UF K
C1048	ECEA1CU470	E 47UF
C1049	ECEA1CU100	E 10UF
C1050	ECEA1EU221	E 220UF, 25V
C1051	ECUX1H103KBM	C 0.01UF K
C1052	ECEA1EU100	E 10UF
C1053	ECEA1HU2R2	E 2.2UF, 50V
C1054	ECQM1H473JV	P 0.047UF, J, 50V
C1055	ECEA1EU102	E 1000UF, 25V
C1056	ECEA1CU471	E 470UF, 16V
C1057	ECQM1H104JV	P 0.1UF J
C1058	ECUX1H221JCM	C 220PF, J, 50V
C1059	ECEA1CU101	E 100UF
C1060	ECEA1CU330	E 33UF
C1061	ECEA1CU470	E 47UF
C1062	ECEA1CU470	E 47UF
C1063	ECEA1CU471	E 470UF, 16V
C2001	ECCF1H271J	C 270PF, J, 50V
C2002	ECKF1H103ZF	C 0.01UF, Z, 50V
C2003	ECEA2ES4R7	E 4.7UF, 250V
C2005	ECKD3D222JBN	C 2200PF, J, 2KV
C2101	ECCF1H271J	C 270PF, J, 50V
C2102	ECKF1H103ZF	C 0.01UF, Z, 50V
C2103	ECEA2ES4R7	E 4.7UF, 250V
C2105	ECKD3D222JBN	C 2200PF, J, 2KV
C2202	ECKF1H103ZF	C 0.01UF, Z, 50V
C2203	ECEA2ES4R7	E 4.7UF, 250V
C2205	ECKD3D222JBN	C 2200PF, J, 2KV
C4001	ECEA1CU330	E 33UF
C4002	ECUX1H330JCM	C 33PF, J, 50V
C4003	ECEA1HU010	E 1UF
C4004	ECQM1H393JV	P 0.039UF, J, 50V
C4006	ECEA1CU101	E 100UF
C4007	ECUX1H103KBM	C 0.01UF K
C4008	ECEA1CU471	E 470UF, 16V
C4010	ECUX1H120JCM	C 12PF, J, 50V
C4012	ECEA1CU101	E 100UF
C4013	ECEA1CN330S	E 33UF, 16V
C4014	ECEA1CU330	E 33UF
C4015	ECUX1H120JCM	C 12PF, J, 50V
C4016	ECEA1CU101	E 100UF
C4017	ECEA1HU100	E 10UF, 50V
C4020	ECEA1HUR47	E 0.47UF, 50V
C4021	ECEA1CN470S	E 47UF, 16V
C4022	ECEA1CU101	E 100UF
C4023	ECEA1HU010	E 1UF
C4024	ECEA1HU4R7	E 4.7UF, 50V
C4025	ECEA1CU101	E 100UF
C4026	ECEA1CU101	E 100UF
C4027	ECUX1H220JCM	C 22PF, J, 50V
C4028	ECUX1H150JCM	C 15PF J
C4029	ECEA1CU100	E 10UF
C4030	ECEA1CU100	E 10UF
C4031	ECUX1H101JCM	C 100PF, J, 50V
C4032	ECEA1CU101	E 100UF
C4033	ECEA1CN101S	E 100UF, 16V
C4034	ECUX1H331JCM	C 330PF, J, 50V
C4035	ECUX1H680JCM	C 68PF, J, 50V
C4036	ECEA1CU470	E 47UF
C4037	ECEA1CU470	E 47UF
C4038	ECEA1CU470	E 47UF
C4039	ECEA1CU470	E 47UF
C4040	ECEA1CU470	E 47UF
C4041	ECEA1CU470	E 47UF
C4042	ECEA1CU101	E 100UF
C4201	ECUX1H470JCM	C 47PF, J, 50V
C4202	ECUX1H330JCM	C 33PF, J, 50V
C4203	ECUX1H470JCM	C 47PF, J, 50V
C4204	ECUX1H101JCM	C 100PF, J, 50V
C4205	ECUX1H150JCM	C 15PF J
C4206	ECUX1H151JCM	C 150PF, J, 50V
C4207	ECUX1H103KBM	C 0.01UF K
C4208	ECUX1H103KBM	C 0.01UF K
C4209	ECUX1H103KBM	C 0.01UF K
C4210	ECUX1H103KBM	C 0.01UF K
C4211	ECUX1H470JCM	C 47PF, J, 50V
C4212	ECUX1H330JCM	C 33PF, J, 50V
C4213	ECUX1H100CCM	C 10PF, 50V
C4214	TCRHA070G11	TRIMMER
C4215	ECEA50ZR15	E 0.15UF, 50V
C4216	ECEA1EN3R3S	E 3.3UF, 25V
C4217	ECQM1H822KV	P 8200PF, K, 50V
C4218	ECEA1CU101	E 100UF
C4219	ECUX1H103KBM	C 0.01UF K
C4220	ECEA1HUR47	E 0.47UF, 50V
C4221	ECUX1H103KBM	C 0.01UF K
C4223	ECUX1H102KBM	C 1000PF K
C4224	ECQM1H273JV	P 0.027UF, J, 50V
C4225	ECUX1H103KBM	C 0.01UF K
C4226	ECUX1H221JCM	C 220PF, J, 50V
C4227	ECUX1H680JCM	C 68PF, J, 50V
C4228	ECUX1H221JCM	C 220PF, J, 50V
C4231	ECUX1H121JCM	C 120PF, J, 50V
C4232	ECUX1H180JCM	C 18PF, J, 50V
C4233	ECUX1H221JCM	C 220PF, J, 50V
C4234	ECQM1H103JV	P 0.01UF J
C4235	ECUX1H103KBM	C 0.01UF K
C4236	ECUX1H101JCM	C 100PF, J, 50V
C4237	ECSZ16EF33V	T 33UF, 16V
C4238	ECQM1H104JV	P 0.1UF J
C4239	ECQM1H104JV	P 0.1UF J
C4240	ECEA1HU4R7	E 4.7UF, 50V
C4241	ECEA1HU010	E 1UF
C4242	ECEA1HU4R7	E 4.7UF, 50V
C4243	ECUX1H331JCM	C 330PF, J, 50V
C4245	ECUX1H331JCM	C 330PF, J, 50V

Ref. No.	Part No.	Description
C4246	ECUX1H220JCM	C 22PF, J, 50V
C4247	ECUX1H221JCM	C 220PF, J, 50V
C4248	ECUX1H121JCM	C 120PF, J, 50V
C4249	ECQM1H103JV	P 0.01UF J
C4250	ECQM1H103JV	P 0.01UF J
C4251	ECQM1H474JV	P 0.47UF, J, 50V
C4252	ECUX1H331JCM	C 330PF, J, 50V
C4253	ECUX1H102KBM	C 1000PF K
C4254	ECUX1H121JCM	C 120PF, J, 50V
C4255	ECUX1H390JCM	C 39PF, J, 50V
C4256	ECUX1H103KBM	C 0.01UF K
C4257	ECUX1H103KBM	C 0.01UF K
C4258	ECUX1H103KBM	C 0.01UF K
C4259	ECEA1CU100	E 10UF
C4260	ECUX1H103KBM	C 0.01UF K
C4261	ECUX1H331JCM	C 330PF, J, 50V
C4262	ECUX1H220JCM	C 22PF, J, 50V
C4263	ECEA1CN470S	E 47UF, 16V
C4264	ECEA1CN470S	E 47UF, 16V
C4265	ECEA1HU010	E 1UF
C4266	ECUX1H561JCM	C 560PF, J, 50V
C4267	ECUX1H180JCM	C 18PF, J, 50V
C4268	ECEA1CU100	E 10UF
C4269	ECUX1H561JCM	C 560PF, J, 50V
C4270	ECEA1CU470	E 47UF
C4271	ECEA1CU221	E 220UF
C4272	ECUX1H103KBM	C 0.01UF K
C4273	ECEA1HU3R3	E 3.3UF
C4274	ECUX1H103KBM	C 0.01UF K
C4275	ECUX1H103KBM	C 0.01UF K
C4276	ECQM1H393JV	P 0.039UF, J, 50V
C4277	ECQM1H473JV	P 0.047UF, J, 50V
C4278	ECQM1H183JV	P 0.018UF, J, 50V
C4279	ECUX1H821JCM	C 820PF, J, 50V
C4401	ECEA1CU101	E 100UF
C4402	ECUX1H103KBM	C 0.01UF K
C4403	ECEA1EU101	E 100UF
C4405	ECQM1H472JV	P 4700PF, J, 50V
C4406	ECEA1CU471	E 470UF, 16V
C4407	ECEA1EU101	E 100UF
C4408	ECUX1H820JCM	C 82PF, J, 50V
C4409	ECUX1H103KBM	C 0.01UF K
C4701	ECEA1AU470	E 47UF, 10V
C4702	ECEA1CU471	E 470UF, 16V
C4703	ECQM1H334JV	P 0.33UF, J, 50V
C4704	ECUX1H222KBM	C 2200PF K
C4705	ECQM1H273JV	P 0.027UF, J, 50V
C4706	ECSZ25EF1V	T 1UF, 25V
C4707	ECEA2CU100	E 10UF, 160V
C4708	ECQE2104KS	P 0.1UF, K, 250V
C4710	ECQM1H103JV	P 0.01UF J
C4711	ECQM1H103JV	P 0.01UF J
C4712	ECEA1CU101	E 100UF
C4713	ECEA1AU101	E 100UF
C4714	ECEA1EU331	E 330UF, 25V
C4715	ECEA1CN100S	E 10UF, 16V

Ref. No.	Part No.	Description
C4716	ECEA50ZR68	E 0.68UF, 50V
C4717	ECUX1H681KBM	C 680PF, K, 50V
C4718	ECEA1HU010	E 1UF
C4719	ECEA1HN010S	E 1UF, 50V
C4720	ECQM1H102JV	P 1000PF J
C4721	ECQM2103KZ	P 0.01UF, K, 200V
C4722	ECEA2CG4R7S	E 4.7UF, 160V
C4723	ECQM2472KZ	P 4700PF, K, 200V
C4724	ECEA1CN330S	E 33UF, 16V
C4725	ECEA1EN4R7S	E 4.7UF, 25V
C4726	ECUX1H152KBM	C 1500PF, K, 50V
C4727	ECEA1EU101	E 100UF
C4728	ECEA1EG330S	E 33UF, 25V
C4729	ECQM1H102JV	P 1000PF J
C4730	ECUX1H102KBM	C 1000PF K
C4731	ECUX1H102KBM	C 1000PF K
C4732	ECEA1CU101	E 100UF
C4733	ECEA1CU101	E 100UF
C4734	ECEA1HU2R2	E 2.2UF, 50V
C4735	ECEA1HU2R2	E 2.2UF, 50V
C4736	ECUX1H103KBM	C 0.01UF K
C4737	ECQM1H473JV	P 0.047UF, J, 50V
C4738	ECEA1CU221	E 220UF
C4739	ECUX1H103KBM	C 0.01UF K
C4740	ECUX1H103KBM	C 0.01UF K
C4741	ECUX1H103KBM	C 0.01UF K
C4742	ECQM1H473KV	P 0.047UF, K, 50V
C5001	ECQM1H182KV	P 1800PF, K, 50V
C5002	ECUX1H103KBM	C 0.01UF K
C5003	ECUX1H471JCM	C 470PF, J, 50V
C5004	ECSZ25EF1V	T 1UF, 25V
C5005	ECUX1H471JCM	C 470PF, J, 50V
C5006	ECUX1H103KBM	C 0.01UF K
C5007	ECQM1H182KV	P 1800PF, K, 50V
C5008	ECEA1CU101	E 100UF
C5009	ECSZ25EF1V	T 1UF, 25V
C5010	ECEA1HN010S	E 1UF, 50V
C5011	ECQM1H103KV	P 0.01UF, K, 50V
C5012	ECSZ16EF2R2V	T 2.2UF, 16V
C5013	ECUX1H103KBM	C 0.01UF K
C5014	ECEA1HUR47	E 0.47UF, 50V
C5015	ECQM1H103KV	P 0.01UF, K, 50V
C5016	ECQM1H122KV	P 1200PF, K, 50V
C5017	ECEA1HU2R2	E 2.2UF, 50V
C5018	ECQM1H333KV	P 0.033UF, K, 50V
C5019	ECQM1H473KV	P 0.047UF, K, 50V
C5020	ECQM1H103KV	P 0.01UF, K, 50V
C5021	ECCF1H101J	C 100PF, J, 50V
C5022	ECEA1CU101	E 100UF
C5023	ECQM1H562KV	P 5600PF, K, 50V
C5024	ECQM1H122KV	P 1200PF, K, 50V
C5025	ECEA16Z10	E 10UF, 16V
C5026	ECEA50Z1	E 1UF, 50V
C5027	ECUX1H103KBM	C 0.01UF K
C5028	ECUX1H221JCM	C 220PF, J, 50V
C5029	ECEA1HU010	E 1UF

Ref. No.	Part No.	Description
C5030	ECUX1H102KBM	C 1000PF K
C5031	ECQK1102JZ	P 1000PF, J, 100V
C5032	ECUX1H103KBM	C 0.01UF K
C5033	ECEA1CU101	E 100UF
C5034	ECEA1CU101	E 100UF
C5035	ECQP1471JZ	
C5036	ECUX1H103KBM	C 0.01UF K
C5037	ECQK1102JZ	P 1000PF, J, 100V
C5038	ECEA1CU101	E 100UF
C5039	ECEA1HU010	E 1UF
C5040	ECQK1472JZ	P 4700PF, J, 100V
C5041	ECEA1HN010S	E 1UF, 50V
C5042	ECQV1H105JZ	P 1UF, J, 50V
C5043	ECQM1H104KV	P 0.1UF, K, 50V
C5044	ECEA1HU010	E 1UF
C5045	ECWH15H153JD	P 0.015UF, J, 1.5KV
C5046	ECWH15H102JD	P 1000PF, J, 1.5KV
C5047	ECQK1103KZ	
C5048	ECQK1103KZ	
C5049	ECWH15H682JD	P 6800PF, J, 1.5KV
C5050	ECWH15H682JD	P 6800PF, J, 1.5KV
C5051	ECEA0JU222	E 2200UF, 6.3V
C5052	ECQE2106KS	P 10UF, K, 250V
C5053	ECQE2106KS	P 10UF, K, 250V
C5054	ECQE2106KS	P 10UF, K, 250V
C5055	ECQV1H105JZ	P 1UF, J, 50V
C5056	ECEA1EN4R7S	E 4.7UF, 25V
C5058	ECUX1H562KBM	C 5600PF, K, 50V
C5061	ECQE2475KS	P 4.7UF, K, 250V
C5062	ECOS2EG101D	E 100UF, 250V
C5063	ECUX1H103KBM	C 0.01UF K
C5064	ECEA1EU470	E 47UF
C5065	ECUX1H103KBM	C 0.01UF K
C5066	ECEA1VU331	E 330UF, 35V
C5068	ECUX1H222KBM	C 2200PF K
C5069	ECQM1H333KV	P 0.033UF, K, 50V
C5070	ECEA1HU010	E 1UF
C5071	ECUX1H103KBM	C 0.01UF K
C5072	ECEA1CU100	E 10UF
C5073	ECUX1H103KBM	C 0.01UF K
C5074	ECUX1H103KBM	C 0.01UF K
C5075	ECUX1H221JCM	C 220PF, J, 50V
C5076	ECUX1H101JCM	C 100PF, J, 50V
C5079	ECUX1H151JCM	C 150PF, J, 50V
C5087	ECEA1HU010	E 1UF
C5088	ECUX1H103KBM	C 0.01UF K
C5089	ECEA1HU010	E 1UF
C5090	ECEA1CU101	E 100UF
C5092	ECEA1EU100	E 10UF
C5093	ECEA1HU3R3	E 3.3UF
C5094	ECUX1H682KBM	C 6800PF, K, 50V
C5095	ECEA1CU470	E 47UF
C5096	ECEA1VU330	E 33UF, 35V
C5101	ECEA1CU100	E 10UF
C5102	ECEA50ZR68	E 0.68UF, 50V
C5104	ECEA1CU221	E 220UF

Ref. No.	Part No.	Description
C5105	ECQM1H123JV	P 0.012UF, J, 50V
C5106	ECQM1H223JV	P 0.022UF, J, 50V
C5107	ECQM1H273JV	P 0.027UF, J, 50V
C5108	ECEA1HU2R2	E 2.2UF, 50V
C5109	ECQK1682JZ	P 6800PF, J, 100V
C5110	ECEA1CU221	E 220UF
C5111	ECQM1H822JV	P 8200PF, J, 50V
C5112	ECQE2105KS	P 1UF, K, 250V
C5113	ECEA2CU470	E 47UF, 160V
C5115	ECQK1392JZ	P 3900PF, J, 100V
C5116	ECEA1EN100S	E 10UF, 25V
C5117	ECUX1H103KBM	C 0.01UF K
C5118	ECEA1HN470S	E 47UF, 50V
C5119	ECEA2CU100	E 10UF, 160V
C5121	ECQK1103KZ	
C5122	ECEA1CU220	E 22UF, 16V
C5123	ECKD1H103ZF	C 0.01UF, K
C6003	ECEA1HU010	E 1UF
C6005	ECEA1CU100	E 10UF, 16V
C6006	ECEA1HU3R3	E 3.3UF
C6007	ECEA1HU0R1	E 0.1UF, 50V
C6008	ECEA1HU010	E 1UF
C6010	ECEA1CN100S	E 10UF, 16V
C6010	ECQE12333KZ	P 0.033UF, K, 1.2KV
C6011	ECWH15H332JD	P 3300PF, J, 1.5KV
C6012	ECWH15H272JD	P 2700PF, J, 1.5KV
C6013	ECEA1CU471	E 470UF, 16V
C6014	ECEA1HU100	E 10UF, 50V
C6016	ECEA1CU470	E 47UF
C6017	ECEA1HU010	E 1UF
C6018	ECQM1474JZ	P 0.47UF, J, 100V
C6027	ECES2EG101E	E 100UF, 2 50V
C6032	ECKD2H101KB2	C 100PF, K, 500V
C6033	ECEA1CU101	E 100UF
C6034	ECEA1HN3R3S	E 3.3UF, 50V
C6035	ECQM1H102JV	P 1000PF J
C6036	ECQE2475KS	P 4.7UF, K, 250V
C6037	ECEA2ES100	E 10UF, 250V
C6038	ECEA1CU101	E 100UF
C6039	ECQK1392JZ	P 3900PF, J, 100V
C6040	ECQK1392JZ	P 3900PF, J, 100V
C6043	ECQM1H103JV	P 0.01UF J
C6045	ECQE4104KZ	P 0.1UF, K, 400V
C6046	ECKD2H152KB2	C 1500PF, K, 500V
C6047	ECKD2H101KB2	C 100PF, K, 500V
C6048	ECEA1CU100	E 10UF
C6049	ECEA1CU471	E 470UF, 16V
C6050	ECEA2CU100	E 10UF, 160V
C6051	ECEA1HU010	E 1UF
C6052	ECEA1HU4R7	E 4.7UF, 50V
C6053	ECEA2CS100	E 10UF, 160V
C6054	ECEA2ES3R3	E 3.3UF, 250V
C6055	ECEA1CU101	E 100UF
C6056	ECEA1CU100	E 10UF
C6057	ECKF1H102KB	C 1000PF, K, 50V
C6058	ECEA1HU3R3	E 3.3UF
C6059	ECEA1HU010	E 1UF

Ref. No.	Part No.	Description
C6060	ECEA1CN100S	E 10UF, 16V
C7001	ECEA1CU100	E 10UF
C7002	ECEA1AU102	E 1000UF, 10V
C7003	ECEA1CU100	E 10UF
C7004	ECEA1AU102	E 1000UF, 10V
C7005	ECEA1VU100	E 10UF, 35V
C7006	ECEA1VU102	E 1000UF, 35V
C7007	ECEA1VU100	E 10UF, 35V
C7008	ECEA1VU102	E 1000UF, 35V
C7009	ECEA1EU220	E 22UF, 25V
C7010	ECEA1CU220	E 22UF, 16V
C7011	ECUX1H101JCM	C 100PF, J, 50V
C7013	ECQM1H103JV	P 0.01UF J
C7015	ECUX1H121JCM	C 120PF, J, 50V
C7016	ECEA1HN010S	E 1UF, 50V
C7018	ECEA1HN010S	E 1UF, 50V
C7019	ECQM1H103KV	P 0.01UF, K, 50V
C7020	ECEA1HN2R2S	E 2.2UF, 50V
C7021	ECKF1H152KB	C 1500PF, K, 50V
C7022	ECEA1HN010S	E 1UF, 50V
C7023	ECQM1H224KV	P 0.22UF, K, 50V
C7024	ECEA1HU010	E 1UF
C7025	ECEA1CU100	E 10UF
C7026	ECEA1HN010S	E 1UF, 50V
C7029	ECUX1H152KBM	C 1500PF, K, 50V
C7030	ECEA1HN010S	E 1UF, 50V
C7031	ECEA1HNR22S	E 0.22UF, 50V
C7032	ECEA1CU101	E 100UF
C7033	ECEA1CN100S	E 10UF, 16V
C7034	ECEA1CU330	E 33UF
C7035	ECEA1CU330	E 33UF
C7036	ECEA1HN010S	E 1UF, 50V
C7037	ECEA1HN010S	E 1UF, 50V
C7038	ECEA1HN010S	E 1UF, 50V
C7039	ECEA1CU100	E 10UF
C7040	ECEA1CU100	E 10UF
C7041	ECEA1HN010S	E 1UF, 50V
C7042	ECEA1CN100S	E 10UF, 16V
C7043	ECEA1CU101	E 100UF
C7044	ECEA1CU100	E 10UF
C7045	ECQM1H473JV	P 0.047UF, J, 50V
C7046	ECEA1CN330S	E 33UF, 16V
C7051	ECEA1CU221	E 220UF
C7054	ECEA1CU101	E 100UF
C7056	ECEA1HN010S	E 1UF, 50V
C7058	ECEA1HN010S	E 1UF, 50V
C7059	ECEA1HN010S	E 1UF, 50V
C7060	ECEA1CN470S	E 47UF, 16V
C7062	ECEA1HN010S	E 1UF, 50V
C7063	ECEA1HN010S	E 1UF, 50V
C7064	ECEA1CN470S	E 47UF, 16V
C7065	ECEA1CN470S	E 47UF, 16V
C7066	ECEA1CN470S	E 47UF, 16V
C7067	ECEA1CN470S	E 47UF, 16V
C7068	ECEA1CN470S	E 47UF, 16V
C7069	ECEA1CN470S	E 47UF, 16V

Ref. No.	Part No.	Description
C7072	ECEA1CU101	E 100UF
C7073	ECEA1CU101	E 100UF
C7074	ECQM1H224KV	P 0.22UF, K, 50V
C7075	ECEA1CN470S	E 47UF, 16V
C7077	ECUX1H150JCM	C 15PF J
C7078	ECEA1CU470	E 47UF
C7079	ECQM1H473KV	P 0.047UF, K, 50V
C7080	ECEA1CU100	E 10UF
C7081	ECEA1CU100	E 10UF
C7082	ECEA1CU100	E 10UF
C7083	ECEA1HN010S	E 1UF, 50V
C7084	ECQM1H473KV	P 0.047UF, K, 50V
C7085	ECEA1CN100S	E 10UF, 16V
C7086	ECEA1CU100	E 10UF
C7087	ECEA1CU100	E 10UF
C7088	ECEA1HN010S	E 1UF, 50V
C7089	ECEA1HN010S	E 1UF, 50V
C7093	ECEA1CU101	E 100UF
C7094	ECEA1CU101	E 100UF
C7095	ECEA1CU101	E 100UF
C7096	ECQM1H473KV	P 0.047UF, K, 50V
C7097	ECEA1CN100S	E 10UF, 16V
C7098	ECEA1CN100S	E 10UF, 16V
C7099	ECEA1VU101	E 100UF, 35V
C7100	ECEA1EU470	E 47UF
C7101	ECUX1H102KBM	C 1000PF K
C7102	ECEA1VU101	E 100UF, 35V
C7103	ECEA1EU470	E 47UF
C7104	ECUX1H102KBM	C 1000PF K
C7105	ECEA1EU470	E 47UF
C7106	ECUX1H102KBM	C 1000PF K
C7107	ECEA1VU101	E 100UF, 35V
C7108	ECEA1EU470	E 47UF
C7109	ECUX1H102KBM	C 1000PF K
C7110	ECEA1VU101	E 100UF, 35V
C7111	ECEA1EU470	E 47UF
C7112	ECUX1H102KBM	C 1000PF K
C7113	ECEA1VU101	E 100UF, 35V
C7114	ECEA1EU470	E 47UF
C7115	ECUX1H102KBM	C 1000PF K
C7116	ECEA1VU101	E 100UF, 35V
C7117	ECEA1EU470	E 47UF
C7118	ECUX1H102KBM	C 1000PF K
C7119	ECEA1VU101	E 100UF, 35V
C7120	ECEA1EU470	E 47UF
C7121	ECUX1H102KBM	C 1000PF K
C7122	ECEA0JU470	E 47UF, 6.3V
C7123	ECEA0JU470	E 47UF, 6.3V
C7125	ECEA1CU101	E 100UF
C7126	ECEA1CU101	E 100UF
C7127	ECEA1AN470S	E 47UF, 10V
C7128	ECEA1AN470S	E 47UF, 10V
C7129	ECEA1HN3R3S	E 3.3UF, 50V
C7130	ECEA1CN100S	E 10UF, 16V
C7131	ECEA1AN470S	E 47UF, 10V
C7132	ECEA1CU100	E 10UF

Ref. No.	Part No.	Description
C7133	ECKF1H332KB	C 3300PF, K, 50V
C7135	ECEA1HN010S	E 1UF, 50V
C7136	ECEA1HN010S	E 1UF, 50V
C7138	ECQM1H223JV	P 0.022UF, J, 50V
C7140	ECEA1AN470S	E 47UF, 10V
C7141	ECEA1CN100S	E 10UF, 16V
C7142	ECEA1HN3R3S	E 3.3UF, 50V
C9001	ECKF1H103ZF	C 0.01UF, Z, 50V
C9002	ECEA1VU331	E 330UF, 35V
C9003	ECEA1EU470	E 47UF
C9004	ECKF1H472KB	C 4700PF, K, 50V
C9005	ECES2DG681Y	E 680UF, 200V
C9006	ECES2DG681Y	E 680UF, 200V
C9007	ECES2DG681Y	E 680UF, 200V
C9008	ECES2DG681Y	E 680UF, 200V
C9009	ECKM2H472PE7	C 4700PF, 500V
C9010	ECKM2H472PE7	C 4700PF, 500V
C9011	ECKM2H472PE7	C 4700PF, 500V
C9012	ECKM2H472PE7	C 4700PF, 500V
C9013	ECQU1A823KH	P 0.082UF, K,125V
C9014	ECKDNS222MEX	C 2200PF, M,
C9015	ECKDNS222MEX	C 2200PF, M,
C9016	ECQU1A473KH	P 0.047UF, K,125V
C9101	ECQM4223KZ	P 0.022UF K
C9102	ECEA1CU221	E 220UF
C9103	ECEA1CU101	E 100UF
C9104	ECKD2H102KB2	C 1000PF K
C9105	ECEA2WS4R7	E 4.7UF, 450V
C9106	ECKD2H272KB2	C 2700PF, K,500V
C9107	ECKD3D221KBN	C 220PF, K, 2KV
C9108	ECKD3D101KBN	C 100PF, K, 2KV
C9109	ECEA1AU331	E 330UF, 10V
C9110	ECKF1H682KB	C 6800PF, K, 50V
C9111	ECKDNS102MBX	C 1000PF, M,
C9112	ECKD3A101KBN	C 100PF, K, 1KV
C9113	ECOS2EG221G	E 220UF, 250V
C9114	ECKD2H472PE7	C 4700PF, P,500V
C9117	ECKD2H101KB2	C 100PF, K,500V
C9118	ECEA1EU102	E 1000UF, 25V
C9119	ECKF1H472KB	C 4700PF, K, 50V
C9120	ECKD3A101KBN	C 100PF, K, 1KV
C9121	ECEA2VS100	E 10UF, 350V
C9122	ECKD2H472PE7	C 4700PF, P,500V
C9123	ECKF1H102KB	C 1000PF, K, 50V
C9124	ECKD3A101KBN	C 100PF, K, 1KV
C9125	ECEA0JU331	E 330UF, 6.3V
C9126	ECKD3A102KBN	C 100PF, K, 1KV
C9201	ECQM4223KZ	P 0.022UF K
C9202	ECEA1CU221	E 220UF
C9203	ECEA1CU101	E 100UF
C9204	ECKD2H102KB2	C 1000PF K
C9205	ECEA2WS4R7	E 4.7UF, 450V
C9206	ECKD2H272KB2	C 2700PF, K,500V
C9207	ECKD3D221KBN	C 220PF, K, 2KV
C9208	ECKD3D101KBN	C 100PF, K, 2KV
C9209	ECEA1AU331	E 330UF, 10V

Ref. No.	Part No.	Description
C9210	ECKF1H222KB	C 2200PF, K, 50V
C9211	ECKDNS102MBX	C 1000PF, M,
C9212	ECKD3A101KBN	C 100PF, K, 1KV
C9213	**ECEA2EU101**	E 100UF, 250V
C9214	**ECKD2H472PE7**	C 4700PF, P,500V
C9215	**ECEA2EU101**	E 100UF, 250V
C9216	**ECKD2H472PE7**	C 4700PF, P,500V
C9217	**ECKD3A101KBN**	C 100PF, K, 1KV
C9218	ECEA2ES220	E 22UF, 250V
C9219	ECKD2H472PE7	C 4700PF, P,500V
C9220	ECKD3A101KBN	C 100PF, K, 1KV
C9221	ECOS2PG221E	E 220UF, 180V
C9222	ECKD2H472PE7	C 4700PF, P,500V
C9223	ECKD2H101KB2	C 100PF, K,500V
C9224	ECEA1EU222	E 2200UF, 25V
C9225	ECKF1H472KB	C 4700PF, K, 50V
C9226	ECKF1H101KB	C 100PF, K, 50V
C9227	ECEA1CU331	E 330UF
C9228	ECKF1H472KB	C 4700PF, K, 50V
C9229	ECEA1AU221	E 220UF
C9230	ECEA1AU221	E 220UF
C9231	ECKF1H102KB	C 1000PF, K, 50V
C9232	ECQE6473KZ	P 0.047UF, K,630V
C9233	ECQE6473KZ	P 0.047UF, K,630V
C9234	ECEA1EU101	E 100UF
C9235	ECKD3A102KBN	C 100PF, K, 1KV
C9301	ECQM4223KZ	P 0.022UF K
C9302	**ECEA1CU221**	E 220UF
C9303	**ECEA1CU331**	E 330UF
C9304	**ECKD2H102KB2**	C 1000PF K
C9305	**ECEA2WS4R7**	E 4.7UF, 450V
C9306	**ECKD2H272KB2**	C 2700PF, K,500V
C9307	ECKD3D221KBN	C 220PF, K, 2KV
C9308	ECKD3D101KBN	C 100PF, K, 2KV
C9309	ECEA1AU331	E 330UF, 10V
C9310	ECKF1H222KB	C 2200PF, K, 50V
C9311	ECKDNS102MBX	C 1000PF, M,
C9312	ECKD3A101KBN	C 100PF, K, 1KV
C9313	ECEA2CU221	E 220UF, 160V
C9314	ECKD2H472PE7	C 4700PF, P,500V
C9315	ECKD2H101KB2	C 100PF, K,500V
C9316	ECEA1VU102	E 1000UF, 35V
C9317	ECKF1H472KB	C 4700PF, K, 50V
C9318	ECEA1VU102	E 1000UF, 35V
C9319	ECKF1H472KB	C 4700PF, K, 50V
C9320	ECKD2H101KB2	C 100PF, K,500V
C9321	ECEA1EU222	E 2200UF, 25V
C9322	ECKF1H472KB	C 4700PF, K, 50V
C9323	ECEA1EU222	E 2200UF, 25V
C9324	ECKF1H472KB	C 4700PF, K, 50V
C9325	ECKF1H101KB	C 100PF, K, 50V
C9326	ECEA1CU102	E 1000UF
C9327	ECKF1H472KB	C 4700PF, K, 50V
C9328	ECEA1CU102	E 1000UF
C9329	ECKF1H472KB	C 4700PF, K, 50V
C9330	ECKF1H101KB	C 100PF, K, 50V

Ref. No.	Part No.	Description
C9331	ECEA1CU222	E 2200UF, 16V
C9332	ECKF1H472KB	C 4700PF, K, 50V
C9333	ECKF1H101KB	C 100PF, K, 50V
C9334	ECEA1VU222	E 2200UF, 35V
C9335	ECKF1H472KB	C 4700PF, K, 50V
C9336	ECKF1H102KB	C 1000PF, K, 50V
C9337	ECKD3A102KBN	C 100PF, K, 1KV

COILS

L301	TLQ100K126	PEAKING COIL 10U
L302	TLQ100K126	PEAKING COIL 10U
L303	TLQ100K126	PEAKING COIL 10U
L304	TLQ100K126	PEAKING COIL 10U
L305	TLQ100K126	PEAKING COIL 10U
L306	TLQ100K126	PEAKING COIL 10U
L501	TLQ100K126	PEAKING COIL 10U
L801	TLT330K991K	PEAKING COIL 33U
L802	TLT150K991K	PEAKING COIL 15U
L803	TSC929-6	BEAD CORE
L804	TSC929-6	BEAD CORE
L805	TSC929-6	BEAD CORE
L806	TSC929-6	BEAD CORE
L807	TSC929-6	BEAD CORE
L808	TSC929-6	BEAD CORE
L809	TSC929-6	BEAD CORE
L810	TSC929-6	BEAD CORE
L811	TSC929-6	BEAD CORE
L1001	TLQ100K126	PEAKING COIL 10U
L2001	TLQ047K126	PEAKING COIL 4.7U
L2002	TLQ101K126	PEAKING COIL 100U
L2003	TLQ056K126	PEAKING COIL 5.6U
L2004	TLQ010K126	PEAKING COIL 1U
L2101	TLQ047K126	PEAKING COIL 4.7U
L2102	TLQ101K126	PEAKING COIL 100U
L2103	TLQ056K126	PEAKING COIL 5.6U
L2104	TLQ010K126	PEAKING COIL 1U
L2201	TLQ047K126	PEAKING COIL 4.7U
L2202	TLQ101K126	PEAKING COIL 100U
L2203	TLQ056K126	PEAKING COIL 5.6U
L2204	TLQ010K126	PEAKING COIL 1U
L4002	TAFADLCT036A	CERAMIC FILTER
L4003	TLS153253	SIF DISCRI.COIL
L4004	TLT082K991K	PEAKING COIL 8.2U
L4007	TLK66056-1	CHROMA TRANS.
L4008	ELT10Z251	COIL
L4009	ELT10Z233	COIL
L4011	ELB4M059	LC FILTER
L4012	TLT150K991K	PEAKING COIL 15U
L4013	TLT180K991K	PEAKING COIL 18U
L4014	ELB4M060	LC FILTER
L4015	TLT180K991K	PEAKING COIL 18U
L4016	TLT470K991K	PEAKING COIL 47U
L4017	TLT820K991K	PEAKING COIL 82U
L4018	TLQ101K126	PEAKING COIL 100U
L4201	TLT150J991K	PEAKING COIL 15U
L4202	TLT120J991K	PEAKING COIL 12U
L4203	TLT681K991K	PEAKING COIL 680U
L4204	TLT820K991K	PEAKING COIL 82U
L4205	TLT100K991K	PEAKING COIL 10U
L4206	TLT681K991K	PEAKING COIL 680U
L4207	TLT681K991K	PEAKING COIL 680U
L4208	TLT047K991K	PEAKING COIL 4.7U
L4209	TLQ121K126	PEAKING COIL
L4210	TLT100K991K	PEAKING COIL 10U
L4211	TLK61008	HI-PEAKER TRANS.
L4212	TLT150K991K	PEAKING COIL 15U
L4213	TLT150K991K	PEAKING COIL 15U
L4214	TLK61008	HI-PEAKER TRANS.
L4215	TLQ082J205C	PEAKING COIL 8.2U
L4216	TLK61008	HI-PEAKER TRANS.
L4217	TLK158066	1H MATCHING COIL
L4218	EFDEN645A11G	DELAY LINE
L4219	TLK155053	CHROMA IF TRANS.
L4221	TLQ151K126	PEAKING COIL 150U
L4222	TLQ101K126	PEAKING COIL 100U
L4223	TLT390K991K	PEAKING COIL 39U
L4401	TLT512J166C	PEAKING COIL 5.1M
L5001	TLT123J119C	PEAKING COIL
L5002	ETQ24K23AY	TRANS
L5003	TLH15604P	LINEALITY COIL
L5004	TLH15604P	LINEALITY COIL
L5005	TLH15608P	LINEALITY COIL
L5006	TLH15608P	LINEALITY COIL
L5007	ELH5K703	COIL
L5008	ETS35K301A	TRANS
L5009	TLH15608P	LINEALITY COIL
L5010	ELC18B015	CHOKE COIL
L5012	TSC925-4	CHOKE COIL
L6001	ETQ35K14AY	COIL
L7001	TLP408	FERRITE CORE
L7002	TLP408	FERRITE CORE
L7003	TLP408	FERRITE CORE
L7004	TLP408	FERRITE CORE
L7005	TLP408	FERRITE CORE
L7006	TLP408	FERRITE CORE
L7007	TLP408	FERRITE CORE
L7008	TLP408	FERRITE CORE
L7009	ETQ13K11AY	TRANS
L7010	ETQ13K11AY	TRANS
L9001	TLP13515V	TRANS
L9002	TLP13516V	TRANS
L9101	TLQ100J126	PEAKING COIL 10U
L9102	TSC925-4	CHOKE COIL
L9104	TSC925-4	CHOKE COIL
L9105	TSK1002	COIL
L9106	TSK1002	COIL
L9107	TSK1002	COIL
L9201	TLQ100J126	PEAKING COIL 10U
L9202	TSC925-4	CHOKE COIL
L9203	TLT120J991K	PEAKING COIL 12U
L9204	TSC925-4	CHOKE COIL

Ref. No.	Part No.	Description
L9205	TSK1002	COIL
L9206	TLT300K119G	PEAKING COIL
L9207	TSK1002	COIL
L9208	TSK1002	COIL
L9209	TSK1002	COIL
L9210	TSK1002	COIL
L9211	TLT300K119G	PEAKING COIL
L9301	TLQ100J126	PEAKING COIL 10U
L9302	TSC925-4	CHOKE COIL
L9304	TSC925-4	CHOKE COIL
L9305	TSK1002	COIL
L9306	TSK1002	COIL
L9307	TSK1002	COIL
L9308	TSK1002	COIL
L9309	TSK1002	COIL
L9310	TLT300K119G	PEAKING COIL
L9311	TLT300K119G	PEAKING COIL
L9312	TLT300K119G	PEAKING COIL
L9313	TSK1002	COIL

TRANSFORMERS

T5001	TLH15408	H.DRIVE TRANS
T6001	ETH24K30AY	TRANS
T6003	TLF14436B	FLYBACK TRANS
T9001	TLP16228	REMOCON TRANS
T9101	TLP15724	CHOPPER TRANS.
T9102	ETS49K256A	TRANS
T9201	TLP15724	CHOPPER TRANS.
T9202	ETS49K257A	TRANS
T9301	TLP15724	CHOPPER TRANS.
T9302	ETS49K258A	TRANS

DIODES

D301	MA151K	ZENER DIODE
D302	MA151K	ZENER DIODE
D303	MA151K	ZENER DIODE
D304	MA151WA	ZENER DIODE
D305	MA151K	ZENER DIODE
D306	MA151K	ZENER DIODE
D309	MA151K	ZENER DIODE
D310	MA151K	ZENER DIODE
D311	MA151K	ZENER DIODE
D312	MA151WA	ZENER DIODE
D313	MA151K	ZENER DIODE
D314	MA151K	ZENER DIODE
D317	MA151K	ZENER DIODE
D318	MA151K	ZENER DIODE
D319	MA151K	ZENER DIODE
D320	MA151WA	ZENER DIODE
D321	MA151K	ZENER DIODE
D322	MA151K	ZENER DIODE
D325	MA1130M	ZENER DIODE
D326	MA1130M	ZENER DIODE
D501	MA151K	ZENER DIODE
D504	MA1150M	ZENER DIODE
D505	MA28T-A	ZENER DIODE
D506	MA151K	ZENER DIODE
D507	MA151K	ZENER DIODE
D508	MA151K	ZENER DIODE
D509	TVSRM1	DIODE
D510	MA151WK	DIODE
D511	MA151WK	DIODE
D512	MA151WK	DIODE
D513	MA151WK	DIODE
D514	MA151K	ZENER DIODE
D515	MA151K	ZENER DIODE
D516	MA151K	ZENER DIODE
D517	MA151WK	DIODE
D518	MA151K	ZENER DIODE
D519	MA151WK	DIODE
D520	MA151K	ZENER DIODE
D521	MA151WK	DIODE
D522	MA151WK	DIODE
D523	MA151K	ZENER DIODE
D524	MA151WK	DIODE
D525	MA151WK	DIODE
D526	MA151WK	DIODE
D527	MA151K	ZENER DIODE
D528	MA151WK	DIODE
D529	MA151K	ZENER DIODE
D530	MA151K	ZENER DIODE
D531	MA151K	ZENER DIODE
D532	MA151K	ZENER DIODE
D533	MA151K	ZENER DIODE
D534	MA151K	ZENER DIODE
D535	MA151WK	DIODE
D801	MA162	ZENER DIODE
D901	TVSRC2	DIODE
D1001	MA1047M	ZENER DIODE
D1002	MA1047M	ZENER DIODE
D1003	MA1047M	ZENER DIODE
D1004	MA1047M	ZENER DIODE
D1005	MA1047M	ZENER DIODE
D1006	MA1047M	ZENER DIODE
D1007	MA1047M	ZENER DIODE
D1008	MA1047M	ZENER DIODE
D1009	MA704A	ZENER DIODE
D1010	MA704A	ZENER DIODE
D1011	MA704A	ZENER DIODE
D1012	MA704A	ZENER DIODE
D1013	MA704A	ZENER DIODE
D1014	MA704A	ZENER DIODE
D1015	MA1030H	ZENER DIODE
D1016	MA151K	ZENER DIODE
D1017	MA151K	ZENER DIODE
D1018	MA151K	ZENER DIODE
D1019	MA151K	ZENER DIODE
D1020	MA151K	ZENER DIODE
D1021	MA151K	ZENER DIODE
D1022	MA151WA	ZENER DIODE

Ref. No.	Part No.	Description
D1023	MA151WA	ZENER DIODE
D1024	MA151WA	ZENER DIODE
D1025	MA1110M	ZENER DIODE
D1026	MA1110M	ZENER DIODE
D2001	MA162	ZENER DIODE
D2002	MA162	ZENER DIODE
D2003	EU01N	DIODE
D2005	MA150	DIODE
D2101	MA162	ZENER DIODE
D2102	MA162	ZENER DIODE
D2103	EU01N	DIODE
D2104	MA150	DIODE
D2105	MA150	DIODE
D2201	MA162	ZENER DIODE
D2202	MA162	ZENER DIODE
D2203	EU01N	DIODE
D2204	MA150	DIODE
D2205	MA150	DIODE
D4001	MA151WK	DIODE
D4002	MA151K	ZENER DIODE
D4004	MA28T-A	ZENER DIODE
D4201	MA156	ZENER DIODE
D4202	MA151K	ZENER DIODE
D4203	MA28T-A	ZENER DIODE
D4204	MA151K	ZENER DIODE
D4206	MA151K	ZENER DIODE
D4207	0A91	DIODE
D4208	MA151K	ZENER DIODE
D4209	MA151WK	DIODE
D4401	MA1130M	ZENER DIODE
D4402	MA1130M	ZENER DIODE
D4403	MA1130M	ZENER DIODE
D4404	MA1130M	ZENER DIODE
D4405	MA1130M	ZENER DIODE
D4406	MA1130M	ZENER DIODE
D4407	MA1130M	ZENER DIODE
D4408	MA1130M	ZENER DIODE
D4409	MA1130M	ZENER DIODE
D4410	MA1130M	ZENER DIODE
D4411	MA1130M	ZENER DIODE
D4412	MA1130M	ZENER DIODE
D4413	MA1130M	ZENER DIODE
D4414	MA1130M	ZENER DIODE
D4415	MA1130M	ZENER DIODE
D4416	MA1130M	ZENER DIODE
D4417	MA151K	ZENER DIODE
D4418	MA151WK	DIODE
D4420	MA1130M	ZENER DIODE
D4701	MA151K	ZENER DIODE
D4702	MA151K	ZENER DIODE
D4703	MA151K	ZENER DIODE
D4704	MA1047L	ZENER DIODE
D4705	TVSRU2	DIODE
D4706	MA151K	ZENER DIODE
D4707	MA151K	ZENER DIODE
D4708	MA151K	ZENER DIODE
D4709	MA27WA	DIODE
D4710	TVSQA205M	ZENER DIODE
D4711	TVSQA216M1	ZENER DIODE
D4712	TVSQA217A	ZENER DIODE
D4713	TVSRD5.1EB2	ZENER DIODE
D4715	MA1120M	ZENER DIODE
D4716	MA151K	ZENER DIODE
D5001	MA704A	ZENER DIODE
D5002	MA704A	ZENER DIODE
D5004	MA704A	ZENER DIODE
D5005	MA704A	ZENER DIODE
D5006	MA704A	ZENER DIODE
D5007	MA1075M	ZENER DIODE
D5008	MA1110M	ZENER DIODE
D5009	MA1068M	ZENER DIODE
D5013	MA704A	ZENER DIODE
D5015	MA151K	ZENER DIODE
D5016	MA151K	ZENER DIODE
D5017	MA1100H	ZENER DIODE
D5018	MA151K	ZENER DIODE
D5019	MA151K	ZENER DIODE
D5020	MA151K	ZENER DIODE
D5021	MA151K	ZENER DIODE
D5022	TVSRF1	DIODE
D5023	TVSC2715M	DIODE
D5024	RS4FSLF-K2	DIODE
D5025	RS4FSLF-K2	DIODE
D5026	MA152K	DIODE
D5027	TVSRU2	DIODE
D5028	MA151K	ZENER DIODE
D5029	MA151K	ZENER DIODE
D5030	TVSRF1	DIODE
D5031	MA151WA	ZENER DIODE
D5032	MA151WA	ZENER DIODE
D5034	MA151K	ZENER DIODE
D5035	TVSRF1	DIODE
D5036	MA152K	DIODE
D5037	LN28RP	LED (RED)
D5038	TVSRF1	DIODE
D5039	MA152K	DIODE
D5040	MA151K	ZENER DIODE
D5041	MA151K	ZENER DIODE
D5045	MA151K	ZENER DIODE
D5046	MA151K	ZENER DIODE
D5047	MA151K	ZENER DIODE
D5048	MA151K	ZENER DIODE
D5050	MA151K	ZENER DIODE
D5051	MA1043M	ZENER DIODE
D5052	MA1100L	ZENER DIODE
D5053	MA151WA	ZENER DIODE
D5054	MA151WA	ZENER DIODE
D5057	MA151K	ZENER DIODE
D5059	MA1030L	ZENER DIODE
D5061	MA28WA	ZENER DIODE
D5062	MA151K	ZENER DIODE
D5063	MA28WA	DIODE

Ref. No.	Part No.	Description
D6001	MA151K	ZENER DIODE
D6002	MA151K	ZENER DIODE
D6005	RS4FSLF-K2	DIODE
D6006	TVSC2715M	DIODE
D6007	LN28RP	LED (RED)
D6008	MA1062M	ZENER DIODE
D6009	MA151K	ZENER DIODE
D6010	MA151WK	DIODE
D6012	MA151A	ZENER DIODE
D6013	MA151K	ZENER DIODE
D6014	MA1062M	ZENER DIODE
D6015	MA151K	ZENER DIODE
D6016	MA151K	ZENER DIODE
D6018	MA151K	ZENER DIODE
D6020	TVSRU3M	DIODE
D6022	MA152K	DIODE
D6023	MA1051M	ZENER DIODE
D6024	TVSRU2	DIODE
D6025	TVSRU2	DIODE
D6026	MA162	ZENER DIODE
D6028	MA151K	ZENER DIODE
D6029	MA1062M	ZENER DIODE
D6030	MA1062M	ZENER DIODE
D6031	MA28A	DIODE
D6032	MA151K	ZENER DIODE
D6033	MA151WK	DIODE
D6034	MA1075M	ZENER DIODE
D6035	MA28WA	DIODE
D6036	TVSRU1	DIODE
D6037	MA162	ZENER DIODE
D6038	MA151A	ZENER DIODE
D7001	TVSQB105	ZENER DIODE
D7002	MA27A	ZENER DIODE
D7003	TVSQB105	ZENER DIODE
D7004	MA27A	ZENER DIODE
D7005	TVSQB124	ZENER DIODE
D7006	MA27T-B	ZENER DIODE
D7007	TVSQB124	ZENER DIODE
D7008	MA27T-B	ZENER DIODE
D7009	TVSRD9.1EB1	ZENER DIODE
D7011	MA162	ZENER DIODE
D7012	MA1047	ZENER DIODE
D7015	MA162	ZENER DIODE
D7016	MA162	ZENER DIODE
D7021	TVSQB112	ZENER DIODE
D7024	MA151WA	ZENER DIODE
D7025	MA151K	ZENER DIODE
D7027	MA28T-A	ZENER DIODE
D7028	MA151K	ZENER DIODE
D7029	MA1036H	ZENER DIODE
D7030	MA28T-A	ZENER DIODE
D7031	MA151K	ZENER DIODE
D7032	MA151K	ZENER DIODE
D7033	MA1036H	ZENER DIODE
D7034	MA151K	ZENER DIODE
D7038	TVSRD9.1EB1	ZENER DIODE
D7040	MA162	ZENER DIODE
D7041	MA1047M	ZENER DIODE
D7042	MA151K	ZENER DIODE
D7045	MA27T-B	ZENER DIODE
D7046	MA27T-B	ZENER DIODE
D9001	MA162	ZENER DIODE
D9002	MA162	ZENER DIODE
D9003	MA162	ZENER DIODE
D9004	TVSQA209C	ZENER DIODE
D9005	TVSEQB01-11	ZENER DIODE
D9006	MA162	ZENER DIODE
D9007	TVSQA213A	ZENER DIODE
D9008	TVSRM10B	DIODE
D9009	MA162	ZENER DIODE
D9010	MA162	ZENER DIODE
D9011	RBV-408	DIODE
D9015	ERZC10ZK241U	VARISTOR
D9016	MA162	ZENER DIODE
D9020	LN117WP23	LED
D9101	MA1150M	ZENER DIODE
D9102	MA162	ZENER DIODE
D9103	TVSQA212B	ZENER DIODE
D9104	MA162	ZENER DIODE
D9105	TVSC2408M	DIODE
D9106	TVSB4402	DIODE
D9107	TVSB4402	DIODE
D9108	TVSRG4K2	DIODE
D9109	TVSC84009	DIODE
D9110	TVSC2408M	DIODE
D9111	ON3105	PHOTO ISOLATOR
D9112	TVSRG4K2	DIODE
D9113	MA1120M	ZENER DIODE
D9201	MA1150M	ZENER DIODE
D9202	MA162	ZENER DIODE
D9203	TVSQA212B	ZENER DIODE
D9204	MA162	ZENER DIODE
D9205	TVSC2408M	DIODE
D9206	TVSB4402	DIODE
D9207	TVSB4402	DIODE
D9208	RG4CLF-K2	DIODE
D9209	TVSRU2	DIODE
D9210	CTG-26SLF-I	DIODE
D9211	TVSRG4YK2	DIODE
D9212	TVSC84009	DIODE
D9213	MA27WA	DIODE
D9214	MA1056L	ZENER DIODE
D9215	ON3105	PHOTO ISOLATOR
D9216	TVSC2408M	DIODE
D9217	TVSC2408M	DIODE
D9301	MA1150M	ZENER DIODE
D9302	MA162	ZENER DIODE
D9303	TVSQA212B	ZENER DIODE
D9304	MA162	ZENER DIODE
D9305	TVSC2408M	DIODE
D9306	TVSB4402	DIODE
D9307	TVSB4402	DIODE

Ref. No.	Part No.	Description
D9308	RG4ALF-K2	DIODE
D9309	MA650	ZENER DIODE
D9310	MA761	ZENER DIODE
D9311	MA650	ZENER DIODE
D9312	TVSC84009	DIODE
D9313	ESAC85009	DIODE
D9314	ON3105	PHOTO ISOLATOR
	I.C	
IC301	AN610P	LINEAR IC
IC302	AN610P	LINEAR IC
IC303	AN610P	LINEAR IC
IC304	M51387P	IC
IC501	AN78M24	LINEAR IC
IC502	AN78M12	LINEAR IC
IC503	CX7948	IC
IC504	AN78N05	LINEAR IC
IC505	TC4066BP	MOS DEGITAL IC
IC506	TVSTC4528BP	IC
IC507	BA236B	IC
IC508	M51847P	IC
IC509	M52051P	IC
IC510	TVS4LS00	IC (NAND GATE)
IC511	TVSS4LS03N	IC
IC512	TC4011BP	MOS DEGITAL IC
IC513	TVSTC4528BP	IC
IC1001	M74ALS08P	IC
IC1002	M74ALS08P	IC
IC1003	MN74HC86	MOS IC
IC1004	M54480P	IC
IC1010	M5223P	IC
IC1011	TC4053BP	MOS DEGITAL IC
IC1012	TC4053BP	MOS DEGITAL IC
IC1013	AN5265	LINEAR IC
IC1014	AN78N12	LINEAR IC
IC4001	PA0012	IC
IC4201	AN5641	LINEAR IC
IC4202	AN5625N	LINEAR IC
IC4203	AN5635N-A	LINEAR IC
IC4204	PA0025	IC
IC4401	TC4053BP	MOS DEGITAL IC
IC4402	TC4053BP	MOS DEGITAL IC
IC4403	TC4066BP	MOS DEGITAL IC
IC4404	TC4066BP	MOS DEGITAL IC
IC4405	AN78M12	LINEAR IC
IC4701	TVSTC4528BP	IC
IC4702	AN5429	LINEAR IC
IC4703	TVSUPC4558C	IC (PRE AMP)
IC4704	UPC1555C	IC
IC4705	TVSUPC4558C	IC (PRE AMP)
IC4706	TVSUPC4558C	IC (PRE AMP)
IC4707	TVSUPC4558C	IC (PRE AMP)
IC4708	TC4052BP	MOS DEGITAL IC
IC4708	TVSTC4052BP	IC

Ref. No.	Part No.	Description
IC5001	M51847P	IC
IC5002	TVSUPC4558C	IC (PRE AMP)
IC5003	AN5790N	LINEARIC
IC5004	M51848P	IC
IC5005	TVSTC4528BP	IC
IC5006	M51848P	IC
IC5007	AN6558	LINEAR IC
IC5009	AN7812	LINEAR IC
IC5011	AN5436N	LINEAR IC
IC5012	TVSTC4528BP	IC
IC6001	TVSUPC4558C	IC (PRE AMP)
IC6002	TVSTC4528BP	IC
IC7001	AN78M12	LINEAR IC
IC7002	PA0021A	IC
IC7003	AN4558	LINEAR IC
IC7004	M51523AL	IC
IC7005	TVSUPC4558C	IC (PRE AMP)
IC7006	TVSUPC4558C	IC (PRE AMP)
IC7007	TVSUPC4558C	IC (PRE AMP)
IC7008	TC4053BP	MOS DEGITAL IC
IC7009	TC4053BP	MOS DEGITAL IC
IC7010	STK4112M2	IC
IC7011	STK4112M2	IC
IC7012	STK4112M2	IC
IC7013	STK4112M2	IC
IC7014	TC4053BP	MOS DEGITAL IC
IC7015	UPC1037HA	IC
IC9101	TNH11505AZ	CIRCUIT BOARD
IC9201	TNH11505AZ	CIRCUIT BOARD
IC9301	TNH11505AZ	CIRCUIT BOARD
	TRANSISTORS	
Q301	2SC2295-B	TRANSISTOR
Q302	UN2212	TRANSISTOR
Q303	2SC2295-B	TRANSISTOR
Q304	UN2212	TRANSISTOR
Q305	2SA1022-B	TRANSISTOR
Q306	2SA1022-B	TRANSISTOR
Q307	2SA1022-B	TRANSISTOR
Q308	2SC2295-B	TRANSISTOR
Q309	UN2212	TRANSISTOR
Q310	2SC2295-B	TRANSISTOR
Q311	2SD601-R	TRANSISTOR
Q312	2SA1022-B	TRANSISTOR
Q313	2SC2295-B	TRANSISTOR
Q314	2SA1022-B	TRANSISTOR
Q315	2SC2295-B	TRANSISTOR
Q316	2SC2188	TRANSISTOR
Q317	2SA1005	TRANSISTOR
Q318	2SA1005	TRANSISTOR
Q319	UN2212	TRANSISTOR
Q320	2SC1326	TRANSISTOR
Q321	2SC2295-B	TRANSISTOR
Q322	UN2212	TRANSISTOR
Q323	2SC2295-B	TRANSISTOR

Ref. No.	Part No.	Description
Q324	UN2212	TRANSISTOR
Q325	2SA1022-B	TRANSISTOR
Q326	2SA1022-B	TRANSISTOR
Q327	2SA1022-B	TRANSISTOR
Q328	2SC2295-B	TRANSISTOR
Q329	UN2212	TRANSISTOR
Q330	2SC2295-B	TRANSISTOR
Q331	2SD601-R	TRANSISTOR
Q332	2SA1022-B	TRANSISTOR
Q333	2SC2295-B	TRANSISTOR
Q334	2SA1022-B	TRANSISTOR
Q335	2SC2295-B	TRANSISTOR
Q336	2SC2188	TRANSISTOR
Q337	2SA1005	TRANSISTOR
Q338	2SA1005	TRANSISTOR
Q339	UN2212	TRANSISTOR
Q340	2SC1326	TRANSISTOR
Q341	2SC2295-B	TRANSISTOR
Q342	UN2212	TRANSISTOR
Q343	2SC2295-B	TRANSISTOR
Q344	UN2212	TRANSISTOR
Q345	2SA1022-B	TRANSISTOR
Q346	2SA1022-B	TRANSISTOR
Q347	2SA1022-B	TRANSISTOR
Q348	2SC2295-B	TRANSISTOR
Q349	UN2212	TRANSISTOR
Q350	2SC2295-B	TRANSISTOR
Q351	2SD601-R	TRANSISTOR
Q352	2SA1022-B	TRANSISTOR
Q353	2SC2295-B	TRANSISTOR
Q354	2SA1022-B	TRANSISTOR
Q355	2SC2295-B	TRANSISTOR
Q356	2SC2188	TRANSISTOR
Q357	2SA1005	TRANSISTOR
Q358	2SA1005	TRANSISTOR
Q359	UN2212	TRANSISTOR
Q360	2SC1326	TRANSISTOR
Q361	2SD601-R	TRANSISTOR
Q362	2SD601-R	TRANSISTOR
Q363	2SD601-R	TRANSISTOR
Q501	2SD601A-R	TRANSISTOR
Q503	2SD601A-R	TRANSISTOR
Q504	2SD601-R	TRANSISTOR
Q505	2SD601-R	TRANSISTOR
Q506	2SB1011	TRANSISTOR
Q507	UN2212	TRANSISTOR
Q508	UN2212	TRANSISTOR
Q509	UN2212	TRANSISTOR
Q510	2SD601-R	TRANSISTOR
Q511	2SD601-R	TRANSISTOR
Q512	2SD601-R	TRANSISTOR
Q513	2SD601-R	TRANSISTOR
Q514	UN2212	TRANSISTOR
Q515	UN2212	TRANSISTOR
Q516	UN2112	TRANSISTOR
Q517	2SD601-R	TRANSISTOR

Ref. No.	Part No.	Description
Q518	UN2112	TRANSISTOR
Q519	2SD601-R	TRANSISTOR
Q520	UN2112	TRANSISTOR
Q521	UN2112	TRANSISTOR
Q522	UN2212	TRANSISTOR
Q523	UN2212	TRANSISTOR
Q524	UN2212	TRANSISTOR
Q525	2SD601-R	TRANSISTOR
Q526	2SD601-R	TRANSISTOR
Q527	2SB709-R	TRANSISTOR
Q528	2SB709-R	TRANSISTOR
Q529	UN2212	TRANSISTOR
Q530	2SD601-R	TRANSISTOR
Q531	2SD601-R	TRANSISTOR
Q532	2SD601-R	TRANSISTOR
Q533	2SD601-R	TRANSISTOR
Q534	2SD601-R	TRANSISTOR
Q535	2SD601-R	TRANSISTOR
Q536	2SD601-R	TRANSISTOR
Q537	2SD601-R	TRANSISTOR
Q538	UN2212	TRANSISTOR
Q539	UN2212	TRANSISTOR
Q540	UN2212	TRANSISTOR
Q541	UN2212	TRANSISTOR
Q542	UN2212	TRANSISTOR
Q543	2SD601-R	TRANSISTOR
Q544	2SD601-R	TRANSISTOR
Q545	UN2112	TRANSISTOR
Q546	UN2212	TRANSISTOR
Q547	UN2212	TRANSISTOR
Q548	2SD601-R	TRANSISTOR
Q549	UN2112	TRANSISTOR
Q550	UN2212	TRANSISTOR
Q551	2SD601-R	TRANSISTOR
Q552	2SB709-R	TRANSISTOR
Q553	2SD601-R	TRANSISTOR
Q554	2SD601-R	TRANSISTOR
Q555	2SD601-R	TRANSISTOR
Q556	UN2212	TRANSISTOR
Q557	2SB709-R	TRANSISTOR
Q558	UN2212	TRANSISTOR
Q559	UN2112	TRANSISTOR
Q560	2SB709-R	TRANSISTOR
Q561	2SD601-R	TRANSISTOR
Q562	UN2212	TRANSISTOR
Q563	UN2212	TRANSISTOR
Q564	UN2212	TRANSISTOR
Q565	2SB709-R	TRANSISTOR
Q566	2SD601-R	TRANSISTOR
Q567	UN2212	TRANSISTOR
Q568	2SB709-R	TRANSISTOR
Q569	2SB709-R	TRANSISTOR
Q570	2SD601-R	TRANSISTOR
Q571	UN2112	TRANSISTOR
Q572	UN2212	TRANSISTOR
Q573	2SD601-R	TRANSISTOR

Ref. No.	Part No.	Description
Q574	UN2212	TRANSISTOR
Q575	UN2212	TRANSISTOR
Q576	UN2212	TRANSISTOR
Q577	UN2212	TRANSISTOR
Q578	2SD601-R	TRANSISTOR
Q579	2SD601-R	TRANSISTOR
Q580	2SD601-R	TRANSISTOR
Q581	2SD601-R	TRANSISTOR
Q582	2SD601-R	TRANSISTOR
Q583	2SB709-R	TRANSISTOR
Q584	2SD601-R	TRANSISTOR
Q585	UN2212	TRANSISTOR
Q586	UN2212	TRANSISTOR
Q587	UN2212	TRANSISTOR
Q588	UN2212	TRANSISTOR
Q589	UN2212	TRANSISTOR
Q590	UN2212	TRANSISTOR
Q591	UN2212	TRANSISTOR
Q592	UN2212	TRANSISTOR
Q593	UN2212	TRANSISTOR
Q594	UN2212	TRANSISTOR
Q595	UN2212	TRANSISTOR
Q596	UN2212	TRANSISTOR
Q597	2SD601-R	TRANSISTOR
Q598	2SD601-R	TRANSISTOR
Q599	2SD601-R	TRANSISTOR
Q600	2SD601-R	TRANSISTOR
Q601	UN2212	TRANSISTOR
Q602	UN2212	TRANSISTOR
Q603	UN2212	TRANSISTOR
Q604	2SD601-R	TRANSISTOR
Q605	UN2112	TRANSISTOR
Q606	UN2212	TRANSISTOR
Q607	UN2212	TRANSISTOR
Q608	2SB709-R	TRANSISTOR
Q609	2SB709-R	TRANSISTOR
Q610	UN2212	TRANSISTOR
Q801	2SD601A-R	TRANSISTOR
Q802	2SD601A-R	TRANSISTOR
Q803	2SD601A-R	TRANSISTOR
Q804	2SD601A-R	TRANSISTOR
Q805	2SD601A-R	TRANSISTOR
Q806	2SC1685-R	TRANSISTOR
Q807	2SC1685-R	TRANSISTOR
Q808	2SC1685-R	TRANSISTOR
Q809	2SC1685-R	TRANSISTOR
Q810	2SC1685-R	TRANSISTOR
Q811	2SC1685-R	TRANSISTOR
Q812	2SA564-R	TRANSISTOR
Q813	2SA564-R	TRANSISTOR
Q814	2SA564-R	TRANSISTOR
Q815	2SB940	TRANSISTOR
Q816	2SB940	TRANSISTOR
Q817	2SB940	TRANSISTOR
Q818	2SD1264	TRANSISTOR
Q819	2SD1264	TRANSISTOR
Q820	2SD1264	TRANSISTOR
Q821	2SC1685-R	TRANSISTOR
Q822	2SC1685-R	TRANSISTOR
Q901	2SC1685-R	TRANSISTOR
Q902	2SC1685-R	TRANSISTOR
Q903	2SC1685-R	TRANSISTOR
Q904	2SC1685-R	TRANSISTOR
Q905	2SC1685-R	TRANSISTOR
Q906	2SC3507	TRANSISTOR
Q907	2SC1685-R	TRANSISTOR
Q908	2SC3507	TRANSISTOR
Q909	2SC3507	TRANSISTOR
Q1001	UN2212	TRANSISTOR
Q1002	2SA900	TRANSISTOR
Q1003	UN2212	TRANSISTOR
Q1004	UN2212	TRANSISTOR
Q1005	UN2212	TRANSISTOR
Q1006	UN2212	TRANSISTOR
Q1007	2SC3757-R	TRANSISTOR
Q1008	UN2212	TRANSISTOR
Q1009	2SC2295-B	TRANSISTOR
Q1010	UN2212	TRANSISTOR
Q1011	2SA1022-B	TRANSISTOR
Q1012	2SA1022-B	TRANSISTOR
Q1013	2SC2295-B	TRANSISTOR
Q1014	UN2212	TRANSISTOR
Q1015	2SC2851	TRANSISTOR
Q1016	2SC2295-B	TRANSISTOR
Q1017	UN2212	TRANSISTOR
Q1018	2SA1022-B	TRANSISTOR
Q1019	2SA1022-B	TRANSISTOR
Q1020	2SC2295-B	TRANSISTOR
Q1021	UN2212	TRANSISTOR
Q1022	2SC2851	TRANSISTOR
Q1023	2SC2295-B	TRANSISTOR
Q1024	UN2212	TRANSISTOR
Q1025	2SA1022-B	TRANSISTOR
Q1026	2SA1022-B	TRANSISTOR
Q1027	2SC2295-B	TRANSISTOR
Q1028	UN2212	TRANSISTOR
Q1029	2SC2851	TRANSISTOR
Q1030	2SC3757-R	TRANSISTOR
Q1031	2SC3757-R	TRANSISTOR
Q1032	2SC2295-B	TRANSISTOR
Q1033	2SC2295-B	TRANSISTOR
Q1034	2SC2295-B	TRANSISTOR
Q1035	2SD601-R	TRANSISTOR
Q1036	2SD601-R	TRANSISTOR
Q1037	2SD601-R	TRANSISTOR
Q1038	2SD601-R	TRANSISTOR
Q1039	UN2212	TRANSISTOR
Q1040	UN2212	TRANSISTOR
Q1041	2SD601-R	TRANSISTOR
Q1042	2SD601-R	TRANSISTOR
Q1043	2SB709-R	TRANSISTOR
Q1046	2SB709-R	TRANSISTOR

Ref. No.	Part No.	Description
Q1047	2SB709-R	TRANSISTOR
Q1048	UN2212	TRANSISTOR
Q1049	2SD601-R	TRANSISTOR
Q1050	2SD601-R	TRANSISTOR
Q1051	UN2212	TRANSISTOR
Q1052	2SB709-R	TRANSISTOR
Q1053	UN2212	TRANSISTOR
Q1054	2SD601-R	TRANSISTOR
Q1055	2SD601-R	TRANSISTOR
Q1056	UN2212	TRANSISTOR
Q1057	2SD601-R	TRANSISTOR
Q1058	2SD601-R	TRANSISTOR
Q1059	2SD601-R	TRANSISTOR
Q1060	2SD601-R	TRANSISTOR
Q1061	2SC3757-R	TRANSISTOR
Q1062	2SC3757-R	TRANSISTOR
Q1063	2SC3757-R	TRANSISTOR
Q1064	2SC3757-R	TRANSISTOR
Q1065	2SC3757-R	TRANSISTOR
Q1066	2SC3757-R	TRANSISTOR
Q1067	2SC2295-B	TRANSISTOR
Q1068	2SC2295-B	TRANSISTOR
Q1069	2SC2295-B	TRANSISTOR
Q1070	2SB709-R	TRANSISTOR
Q1071	2SB709-R	TRANSISTOR
Q1072	2SB709-R	TRANSISTOR
Q1073	UN2212	TRANSISTOR
Q2001	2SC4158	TRANSISTOR
Q2002	2SC1326	TRANSISTOR
Q2003	2SC3503	
Q2004	2SA1381	
Q2101	2SC4158	TRANSISTOR
Q2102	2SC1326	TRANSISTOR
Q2103	2SC3503	
Q2104	2SA1381	
Q2201	ECCF1H271J	C 270PF, J, 50V
Q2201	2SC4158	TRANSISTOR
Q2202	2SC1326	TRANSISTOR
Q2203	2SC3503	
Q2204	2SA1381	
Q4001	2SB709-R	TRANSISTOR
Q4002	2SD601-R	TRANSISTOR
Q4003	2SD601-R	TRANSISTOR
Q4004	2SD601-R	TRANSISTOR
Q4005	2SD601-R	TRANSISTOR
Q4006	2SB709-R	TRANSISTOR
Q4008	2SB709-R	TRANSISTOR
Q4009	2SD601-R	TRANSISTOR
Q4010	2SD601-R	TRANSISTOR
Q4011	2SB709-R	TRANSISTOR
Q4012	2SD601-R	TRANSISTOR
Q4013	2SD601-R	TRANSISTOR
Q4014	UN2212	TRANSISTOR
Q4015	UN2212	TRANSISTOR
Q4016	2SB709-R	TRANSISTOR
Q4017	2SB709-R	TRANSISTOR
Q4018	2SD601-R	TRANSISTOR
Q4019	2SD601-R	TRANSISTOR
Q4020	UN2212	TRANSISTOR
Q4021	2SB709-R	TRANSISTOR
Q4022	2SD601-R	TRANSISTOR
Q4023	2SD601-R	TRANSISTOR
Q4024	2SD601-R	TRANSISTOR
Q4025	2SD601-R	TRANSISTOR
Q4026	2SD601-R	TRANSISTOR
Q4027	2SD601-R	TRANSISTOR
Q4028	2SB709-R	TRANSISTOR
Q4029	2SB709-R	TRANSISTOR
Q4030	2SD601-R	TRANSISTOR
Q4031	2SD601-R	TRANSISTOR
Q4032	2SB709-R	TRANSISTOR
Q4033	2SD601-R	TRANSISTOR
Q4034	2SD601-R	TRANSISTOR
Q4035	2SB709-R	TRANSISTOR
Q4036	2SD601-R	TRANSISTOR
Q4037	2SD601-R	TRANSISTOR
Q4038	2SB709-R	TRANSISTOR
Q4039	2SD601-R	TRANSISTOR
Q4041	UN2212	TRANSISTOR
Q4042	2SD601-R	TRANSISTOR
Q4143	UN2212	TRANSISTOR
Q4144	UN2212	TRANSISTOR
Q4145	UN2212	TRANSISTOR
Q4146	UN2212	TRANSISTOR
Q4147	UN2212	TRANSISTOR
Q4148	UN2212	TRANSISTOR
Q4201	2SB709-R	TRANSISTOR
Q4202	2SD601-R	TRANSISTOR
Q4203	2SD601-R	TRANSISTOR
Q4204	2SB709-R	TRANSISTOR
Q4205	UN2212	TRANSISTOR
Q4206	UN2212	TRANSISTOR
Q4207	2SD601-R	TRANSISTOR
Q4208	2SD601-R	TRANSISTOR
Q4209	2SB709-R	TRANSISTOR
Q4210	2SD601-R	TRANSISTOR
Q4211	2SD601-R	TRANSISTOR
Q4212	2SB709-R	TRANSISTOR
Q4213	UN2212	TRANSISTOR
Q4214	UN2212	TRANSISTOR
Q4215	2SD601-R	TRANSISTOR
Q4216	2SD601-R	TRANSISTOR
Q4217	UN2212	TRANSISTOR
Q4218	2SD601-R	TRANSISTOR
Q4219	2SD601-R	TRANSISTOR
Q4220	2SD601-R	TRANSISTOR
Q4221	2SD601-R	TRANSISTOR
Q4222	2SD601-R	TRANSISTOR
Q4223	2SD601-R	TRANSISTOR
Q4224	2SD601-R	TRANSISTOR
Q4225	2SD601-R	TRANSISTOR
Q4226	2SD601-R	TRANSISTOR

Ref. No.	Part No.	Description
Q4227	UN2212	TRANSISTOR
Q4401	UN2212	TRANSISTOR
Q4402	UN2212	TRANSISTOR
Q4403	UN2212	TRANSISTOR
Q4404	2SD601-R	TRANSISTOR
Q4405	2SD601-R	TRANSISTOR
Q4406	2SD601-R	TRANSISTOR
Q4407	2SB709-R	TRANSISTOR
Q4408	2SD601-R	TRANSISTOR
Q4409	2SD601-R	TRANSISTOR
Q4410	UN2212	TRANSISTOR
Q4701	2SD601-R	TRANSISTOR
Q4702	2SD601-R	TRANSISTOR
Q4703	2SD601-R	TRANSISTOR
Q4704	2SD601-R	TRANSISTOR
Q4705	2SD601-R	TRANSISTOR
Q4706	2SD601-R	TRANSISTOR
Q4707	2SD601-R	TRANSISTOR
Q4708	2SD601-R	TRANSISTOR
Q4709	2SD601-R	TRANSISTOR
Q4710	2SC1573-R	TRANSISTOR
Q4711	2SA958F	TRANSISTOR
Q4712	2SC1505	TRANSISTOR
Q4713	UN2212	TRANSISTOR
Q4714	UN2112	TRANSISTOR
Q4715	UN2212	TRANSISTOR
Q4716	UN2212	TRANSISTOR
Q4717	UN2212	TRANSISTOR
Q4718	2SD601-R	TRANSISTOR
Q4719	2SD601-R	TRANSISTOR
Q4720	2SK301-R	TRANSISTOR
Q4721	2SD601-R	TRANSISTOR
Q4725	2SC2168F	TRANSISTOR
Q4726	2SA958F	TRANSISTOR
Q5001	2SD601-R	TRANSISTOR
Q5002	2SD601-R	TRANSISTOR
Q5003	2SD601-R	TRANSISTOR
Q5004	2SD601-R	TRANSISTOR
Q5005	2SD601-R	TRANSISTOR
Q5006	2SB709-R	TRANSISTOR
Q5007	2SD601-R	TRANSISTOR
Q5008	2SD601-R	TRANSISTOR
Q5009	2SD601-R	TRANSISTOR
Q5010	2SD601-R	TRANSISTOR
Q5011	UN2212	TRANSISTOR
Q5012	UN2212	TRANSISTOR
Q5013	2SD601-R	TRANSISTOR
Q5014	2SD601-R	TRANSISTOR
Q5015	UN2212	TRANSISTOR
Q5016	2SB709-R	TRANSISTOR
Q5017	2SD601-R	TRANSISTOR
Q5018	2SD639-R	TRANSISTOR
Q5019	2SC1913A	TRANSISTOR
Q5020	2SC4096	TRANSISTOR
Q5021	UN2212	TRANSISTOR
Q5022	UN2212	TRANSISTOR
Q5023	2SA913-Q	TRANSISTOR
Q5024	2SC2637	TRANSISTOR
Q5025	2SC3211	TRANSISTOR
Q5027	UN2212	TRANSISTOR
Q5028	UN2212	TRANSISTOR
Q5029	UN2212	TRANSISTOR
Q5030	UN2212	TRANSISTOR
Q5031	UN2212	TRANSISTOR
Q5032	UN2112	TRANSISTOR
Q5033	UN2112	TRANSISTOR
Q5036	2SD601A-R	TRANSISTOR
Q5037	2SD601A-R	TRANSISTOR
Q5038	2SD601A-R	TRANSISTOR
Q5039	2SD601-R	TRANSISTOR
Q5040	UN2212	TRANSISTOR
Q5041	2SD601-R	TRANSISTOR
Q5042	2SB709-R	TRANSISTOR
Q5043	2SC2085-Q	TRANSISTOR
Q5054	2SD601-R	TRANSISTOR
Q5055	2SB709-R	TRANSISTOR
Q5056	UN2212	TRANSISTOR
Q5057	UN2212	TRANSISTOR
Q5058	UN2212	TRANSISTOR
Q5059	UN2212	TRANSISTOR
Q5060	2SD601-R	TRANSISTOR
Q5061	2SD601-R	TRANSISTOR
Q5062	UN2212	TRANSISTOR
Q5063	2SD1264	TRANSISTOR
Q5064	2SC2085-Q	TRANSISTOR
Q5065	2SD601A-R	TRANSISTOR
Q5066	2SD601-R	TRANSISTOR
Q5068	2SD601A-R	TRANSISTOR
Q5069	2SD601A-R	TRANSISTOR
Q5070	2SD601A-R	TRANSISTOR
Q5071	2SD601A-R	TRANSISTOR
Q5072	2SD1894	TRANSISTOR
Q5073	2SB1254	TRANSISTOR
Q5075	2SC1573-Q	TRANSISTOR
Q5076	UN2212	TRANSISTOR
Q5077	2SD601A-R	TRANSISTOR
Q6001	2SC1318-R	TRANSISTOR
Q6002	2SC1905H	TRANSISTOR
Q6003	2SD601-R	TRANSISTOR
Q6004	2SB709-R	TRANSISTOR
Q6005	2SD601-R	TRANSISTOR
Q6006	2SD601A-R	TRANSISTOR
Q6007	2SD601A-R	TRANSISTOR
Q6008	2SD601A-R	TRANSISTOR
Q6009	2SD601A-R	TRANSISTOR
Q6010	2SD601A-R	TRANSISTOR
Q6014	2SC1573-Q	TRANSISTOR
Q6015	2SC1573-Q	TRANSISTOR
Q6016	2SC2085-Q	TRANSISTOR
Q6017	2SC4096	TRANSISTOR
Q6018	2SC2834A	
Q6019	2SC2834A	

Ref. No.	Part No.	Description
Q6023	2SA1499-P	TRANSISTOR
Q6024	2SC2085-Q	TRANSISTOR
Q6027	2SC1573-Q	TRANSISTOR
Q6028	2SC1573-Q	TRANSISTOR
Q6029	2SB709-R	TRANSISTOR
Q6030	2SD601A-R	TRANSISTOR
Q6031	2SB709-R	TRANSISTOR
Q6032	2SA1499	TRANSISTOR
Q6033	2SC1573-R	TRANSISTOR
Q6034	2SC1573-R	TRANSISTOR
Q6035	2SC1573-R	TRANSISTOR
Q6036	2SD601-R	TRANSISTOR
Q6037	2SD601-R	TRANSISTOR
Q6038	2SB709-R	TRANSISTOR
Q6039	2SA1499-P	TRANSISTOR
Q6040	2SD1475A	TRANSISTOR
Q7001	2SD1273	TRANSISTOR
Q7002	2SB941	TRANSISTOR
Q7003	2SD1273	TRANSISTOR
Q7004	2SB941	TRANSISTOR
Q7005	2SD601A-R	TRANSISTOR
Q7006	2SD601A-R	TRANSISTOR
Q7008	2SD601A-R	TRANSISTOR
Q7010	2SD601A-R	TRANSISTOR
Q7011	2SD601A-R	TRANSISTOR
Q7012	2SD601A-R	TRANSISTOR
Q7013	2SD601A-R	TRANSISTOR
Q7014	2SD601A-R	TRANSISTOR
Q7015	2SD601A-R	TRANSISTOR
Q7016	2SD601A-R	TRANSISTOR
Q7017	2SD601A-R	TRANSISTOR
Q7018	2SD601A-R	TRANSISTOR
Q7019	2SD601A-R	TRANSISTOR
Q7020	2SD601A-R	TRANSISTOR
Q7021	2SD601A-R	TRANSISTOR
Q7022	2SD601A-R	TRANSISTOR
Q7023	2SK301-R	TRANSISTOR
Q7025	2SD601A-R	TRANSISTOR
Q7026	2SD601A-R	TRANSISTOR
Q7027	2SD601A-R	TRANSISTOR
Q7028	2SD601A-R	TRANSISTOR
Q7029	2SD601A-R	TRANSISTOR
Q7030	2SD601A-R	TRANSISTOR
Q7031	2SD601A-R	TRANSISTOR
Q7032	2SD601A-R	TRANSISTOR
Q7033	2SD601A-R	TRANSISTOR
Q7034	2SD601A-R	TRANSISTOR
Q7035	2SD601A-R	TRANSISTOR
Q7036	2SD601A-R	TRANSISTOR
Q7037	2SD601A-R	TRANSISTOR
Q7038	2SD601A-R	TRANSISTOR
Q7041	2SD601A-R	TRANSISTOR
Q7042	2SD601A-R	TRANSISTOR
Q7043	2SD601A-R	TRANSISTOR
Q7044	2SD601A-R	TRANSISTOR
Q7045	2SB709A-R	TRANSISTOR
Q7046	2SB709A-R	TRANSISTOR
Q7047	2SD601A-R	TRANSISTOR
Q7048	2SD601A-R	TRANSISTOR
Q7050	2SB709A-R	TRANSISTOR
Q7051	2SD601A-R	TRANSISTOR
Q7052	2SD601A-R	TRANSISTOR
Q7053	2SD601A-R	TRANSISTOR
Q7054	2SD601A-R	TRANSISTOR
Q7055	2SB709A-R	TRANSISTOR
Q7056	2SB709A-R	TRANSISTOR
Q7057	2SD601A-R	TRANSISTOR
Q7058	2SD601A-R	TRANSISTOR
Q7059	2SD601A-R	TRANSISTOR
Q7060	2SD601A-R	TRANSISTOR
Q7061	2SD601A-R	TRANSISTOR
Q7062	2SD601A-R	TRANSISTOR
Q7063	2SB709A-R	TRANSISTOR
Q7064	2SB709A-R	TRANSISTOR
Q7065	2SD601A-R	TRANSISTOR
Q7066	2SD601A-R	TRANSISTOR
Q7067	2SD601A-R	TRANSISTOR
Q7068	2SD601A-R	TRANSISTOR
Q7069	2SB709A-R	TRANSISTOR
Q7070	2SD601A-R	TRANSISTOR
Q7071	2SD601A-R	TRANSISTOR
Q7072	2SD601A-R	TRANSISTOR
Q7073	2SD601A-R	TRANSISTOR
Q7074	2SD601A-R	TRANSISTOR
Q7076	2SD601A-R	TRANSISTOR
Q7077	2SB709A-R	TRANSISTOR
Q7078	2SD601A-R	TRANSISTOR
Q7079	2SD601A-R	TRANSISTOR
Q7080	2SD601A-R	TRANSISTOR
Q7081	2SD601A-R	TRANSISTOR
Q7082	2SD601A-R	TRANSISTOR
Q9001	2SC1573B-Q	TRANSISTOR
Q9002	2SC1573B-Q	TRANSISTOR
Q9003	2SD1273	TRANSISTOR
Q9004	2SC1685-R	TRANSISTOR
Q9005	2SC1685-R	TRANSISTOR
Q9006	2SA564-R	TRANSISTOR
Q9101	2SC3982	TRANSISTOR
Q9102	2SD1539	TRANSISTOR
Q9103	2SB1071	TRANSISTOR
Q9201	2SC3982	TRANSISTOR
Q9202	2SD1539	TRANSISTOR
Q9203	2SB1071	TRANSISTOR
Q9204	2SD1273	TRANSISTOR
Q9301	2SC3982	TRANSISTOR
Q9302	2SD1539	TRANSISTOR
Q9303	2SB1071	TRANSISTOR

Ref. No.	Part No.	Description
	OTHERS	
G1	ETC-35L1B	VM COIL
K1	FBP-12A12LZD	FAN
K2	TBM130281	PANEL (R)
K3	TBM130282	PANEL (L)
K4	TBM130301	NAME PLATE (120"/CEILLING TYPE)
K4	TBM130302	NAME PLATE (120"/FLOOR TYPE)
K4	TBM130303	NAME PLATE (72"/CEILLING TYPE)
K4	TBM130304	NAME PLATE (72"/FLOOR TYPE)
K5	TBM17036-1	ALUMI PLATE
K6	TBX1386500	KONB
K7	TBX1550302	KNOB
K8	TEK17911	SWITCH
K9	TES4146	SPRING
K10	TES4149	SPRING
K11	TES4582	SPRING
K12	TES4583	SPRING
K13	TES6183	SPRING
K14	TES7151	SPRING
G2	THE600	BOLTE
K15	THE757	BOLTE
K16	THE763N	SCREW
G3	THE824	SCREW
K17	THN2986T	E-RING
G4	THW70023W	WASHER
G5	THW70038	WASHER
K18	TJC6319	FUSE HOLDER,LARGE
K19	TJS1A4020	BNC TERMINAL W/SW
K20	TJS1A5160	CRT SOCKET
K21	TJS1A8220	25P CONNECTOR
G6	TJS148500	CONNECTOR
G7	TJS168960	2P CONNECTOR
G8	TJS168960	2P CONNECTOR
G9	TJS168970	3P CONNECTOR
G10	TJS169010	CONNECTOR
G11	TJS169030	10P CONNECTOR
G12	TJS169050	CONNECTOR (15P)
G13	TJS169050	CONNECTOR (15P)
K22	TJS2A9020	AC CONNECTOR
G14	TJT1389-2	PHONO PIN
G15	TJT1913	TERMINAL
G16	TJT1915	PHONO PIN
K23	TKG139974	LENS
K24	TKK130720	LENS COVER
K25	TKK139594	DOOR HINGE
K26	TKN13513	NET
K27	TKN13703	NET
K28	TKP1312901-2	DOOR
K29	TKR23340	FAN GUARD
K30	TKR23420	FIXING METAL
K31	TKR23450	METAL FLAME
G17	TKR23520	CALAR
K32	TKR53180	METAL FLAME (R)
K33	TKR53190	METAL FLAME (L)
G18	TKR53200	PLATE
K34	TKS13330	COVER
K35	TKX134701-1	LENS GRILL
K36	TKY132201-1	TOP COVER
K37	TLY15247F	DEFLECTION YOKE
K38	TLY15248F	DEFLECTION YOKE
K39	TLY15249F	DEFLECTION YOKE
K40	TMM15403	STTOPER
K41	TMW13714	BRACKET
K42	TMX13413	GUIDE
K43	TMX13417	SUPPORT
G19	TNP100779ZA	CIRCUIT BOARD VMR
G20	TNP100780ZA	CIRCUIT BOARD VMG
G21	TNP100781ZA	CIRCUIT BOARD VMB
K44	TNX13013	H.V. DISTRIBUTER
K45	TNX13020	FOCUS BLOCK
G22	TPC1342101	CARTON (120"/CEILLING TYPE)
G22	TPC1342102	CARTON (120"/FLOOR TYPE)
G22	TPC1342103	CARTON (72"/CEILLING TYPE)
G22	TPC1342104	CARTON (72"/FLOOR TYPE)
K81	TKY132300	BOTTOM CASE
G24	TPD131105	CUSHION (UPPER)
G25	TPD131106	CUSHION (UPPER)
G26	TPD132105	CUSHION (BOTTOM)
G27	TPD132106	CUSHION (BOTTOM)
G28	TPD135053	SIDE PAT (R)
G29	TPD135054	SIDE PAT (L)
G30	TPD139258	CARTON
G31	TPD139259	SEET
G32	TPE114100	SEET
G33	TQB511071	FAN BAG
K55	TSX3174	AC POWER CORD
K46	TSX3220	9P CABLE
K47	TXAEAS1CL5	SPEAKER
K48	TXAMZ01CL5	WORK BASE (R)
K49	TXAMZ02CL5	WORK BASE (L)
K50	TXFKY01TGZ	CABINET
K51	TXFKY02TGZ	CABINET
K52	TXFOCBTGZ	PICTURE TUBE
K53	TXFOCGTGZ	PICTURE TUBE
K54	TXFOCRTGZ	PICTURE TUBE
G34	XNG10B	NUT
G35	XWB10B	WASHER
G36	XWH10	WASHER
G37	XYN5+E12	SCREW
A4	TJS169020	8P CONNECTOR

Ref. No.	Part No.	Description
A5	TJS169040	12P CONNECTOR
A10	TJS168990	5P CONNECTOR
A13	TJS168990	5P CONNECTOR
A14	TJS169010	CONNECTOR
A15	TJS169040	12P CONNECTOR
A16	TJS168960	2P CONNECTOR
A17	TJS169010	CONNECTOR
A18	TJS169030	10P CONNECTOR
A19	TJS169010	CONNECTOR
A20	TJS169010	CONNECTOR
A21	TJS169010	CONNECTOR
A22	TJS168960	2P CONNECTOR
A24	TJS168960	2P CONNECTOR
B1	TJS169010	CONNECTOR
B2	TJS169010	CONNECTOR
B3	TJS168990	5P CONNECTOR
B4	TJS168990	5P CONNECTOR
B5	TJS168990	5P CONNECTOR
B6	TJS169050	CONNECTOR (15P)
B7	TJS169040	12P CONNECTOR
B8	TJS168990	5P CONNECTOR
B9	TJS169010	CONNECTOR
B10	TJS169020	8P CONNECTOR
B11	TJS168970	3P CONNECTOR
B12	TJS168990	5P CONNECTOR
B13	TJS168960	2P CONNECTOR
C2	TJS169010	CONNECTOR
C3	TJS169010	CONNECTOR
C4	TJS169010	CONNECTOR
C5	TJS169010	CONNECTOR
C6	TJS168980	4P CONNECTOR
C7	TJS169050	CONNECTOR (15P)
C8	TJS169050	CONNECTOR (15P)
C9	TJS169050	CONNECTOR (15P)
C10	TJS169050	CONNECTOR (15P)
C15	TJS169050	CONNECTOR (15P)
C16	TJS169040	12P CONNECTOR
C17	TJS168980	4P CONNECTOR
C18	TJS168960	2P CONNECTOR
C19	TJS168960	2P CONNECTOR
C20	TJS168970	3P CONNECTOR
D8	TJS168980	4P CONNECTOR
D9	TJS169020	8P CONNECTOR
D10	TJS169020	8P CONNECTOR
D11	TJS169020	8P CONNECTOR
D12	TJS169010	CONNECTOR
D14	TJS168970	3P CONNECTOR
DF1	TJS168980	4P CONNECTOR
E1	TJS169020	8P CONNECTOR
I1	TJS169071	3P CONNECTOR
LB1	TJS168990	5P CONNECTOR
LB2	TJS168970	3P CONNECTOR
LB3	TJS168990	5P CONNECTOR
LG1	TJS168990	5P CONNECTOR
LG2	TJS168970	3P CONNECTOR
LG3	TJS168990	5P CONNECTOR
LR1	TJS168990	5P CONNECTOR
LR2	TJS168970	3P CONNECTOR
LR3	TJS168990	5P CONNECTOR
P13	TJS168960	2P CONNECTOR
P16	TJS168970	3P CONNECTOR
P23	TJS168980	4P CONNECTOR
P24	TJS168960	2P CONNECTOR
P32	TJS168980	4P CONNECTOR
P33	TJS168990	5P CONNECTOR
P34	TJS169010	CONNECTOR
PF1	TJS168960	2P CONNECTOR
PF2	TJS168960	2P CONNECTOR
S1	TJS169081	4P CONNECTOR
S2	TJS169121	10P CONNECTOR
S3	TJS169091	5P CONNECTOR
T1	TJS169030	10P CONNECTOR
T2	TJS168990	5P CONNECTOR
T3	TJS169030	10P CONNECTOR
T4	TJS168980	4P CONNECTOR
T5	TJS168980	4P CONNECTOR
T6	TJS169010	CONNECTOR
T7	TJS169010	CONNECTOR
T8	TJS169010	CONNECTOR
T9	TJS168990	5P CONNECTOR
T10	TJS168970	3P CONNECTOR
VM1	TJS169010	CONNECTOR
VM5	TJS168980	4P CONNECTOR
Y1	TJS169081	4P CONNECTOR
F9001	XBA1F60NU100	FUSE 125V 6A
LP4001	XAMT354	NEON LAMP
LP7001	XAMT354	NEON LAMP
LP7002	XAMT354	NEON LAMP
N6001	XANT343	NEON LAMP
NLA	TNP100736	CIRCUIT BOARD S
NLA	TNP100737	CIRCUIT BOARD Y
NLA	TNP100738	CIRCUIT BOARD T
NLA	TNP100739	CIRCUIT BOARD A
NLA	TNP100740	CIRCUIT BOARD B
NLA	TNP100741	CIRCUIT BOARD C
NLA	TNP100742	CIRCUIT BOARD C2
NLA	TNP100744	CIRCUIT BOARD D
NLA	TNP100746	CIRCUIT BOARD P1
NLA	TNP100747	CIRCUIT BOARD P2
NLA	TNP100748	CIRCUIT BOARD P3
NLA	TNP100749	CIRCUIT BOARD E
NLA	TNP100750	CIRCUIT BOARD DF
NLA	TNP100751	CIRCUIT BOARD VM
NLA	TNP100752	CIRCUIT BOARD R
NLA	TNP100753	CIRCUIT BOARD LR1
NLA	TNP100754ZA	CIRCUIT BOARD LR2
NLA	TNP100755	CIRCUIT BOARD LG1
NLA	TNP100756ZA	CIRCUIT BOARD LG2
NLA	TNP100757	CIRCUIT BOARD LB1
NLA	TNP100758ZA	CIRCUIT BOARD LB2
NLA	TNP100759ZA	CIRCUIT BOARD H1
NLA	TNP100761ZA	CIRCUIT BOARD HO

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
NLA	TNP100762ZA	CIRCUIT BOARD EC			
NLA	TNP100763ZA	CIRCUIT BOARD EO			
NLA	TNP100764ZA	CIRCUIT BOARD ER			
NLA	TNP100765ZA	CIRCUIT BOARD TR1			
NLA	TNP100766ZA	CIRCUIT BOARD TR2			
NLA	TNP100785ZA	CIRCUIT BOARD C3			
NLA	TNP100786	CIRCUIT BOARD I			
NLA	TNP101060	CIRCUIT BOARD K			
NLA	TNP101167ZA	CIRCUIT BOARD DR1			
NLA	TNP101173ZA	CIRCUIT BOARD DR2			
RL4001	TSE1865	RELAY			
RL9001	TSE1866	RELAY			
RL9002	TSE1866	RELAY			
S501	TSE392	SWITCH			
S1001	TSE388	SWITCH			
S4001	TSE10418	SWITCH			
S4002	TSE182	SWITCH			
S4401	TSE649	SWITCH			
S4701	TSE376	SWITCH			
S7003	TSE10427	SWITCH			
S7004	TSE389	SWITCH			
S7005	TSE389	SWITCH			
S7006	ESD32170	SWITCH			
S7007	TSE389	SWITCH			
S7008	TSE389	SWITCH			
S7009	TSE389	SWITCH			
S9001	ESB99582V	SWITCH			
S9003	TSE960	SWITCH			
TM4001	TNQ124	TIMER			
X501	TSS816M	CRYSTAL OSCILATOR			
X4201	TSS816M	CRYSTAL OSCILATOR			
X4202	TSS116M1	CRYSTAL OSCRATOR			
K56	XTV3+8BFN	SCREW			
K57	XSN3+6S	SCREW			
K58	XTV3+14B	SCREW			
K59	XTV3+6BFN	SCREW			
K60	XSN3+8S	SCREW			
K61	XNG8B	NUT			
K62	XWA8B	WASHER			
K63	XWG5	WASHER			
K64	XWA5B	WASHER			
K65	XSN5+20S	SCREW			
K66	XYN3+C6S	SCREW			
K67	XSN3+10S	SCREW			
K68	XTS3+12BFZ	SCREW			
K69	XWA3B	WASHER			
K70	XWG3	WASHER			
K71	XTN4+45B	SCREW			
K72	XSS3+10FZS	SCREW			
K73	XTV3+8J	SCREW			
K74	XTB4+6J	SCREW			
K75	XSN3+10BFZ	SCREW			
K76	XWG4	WASHER			
K77	XNG3E	NUT			
K78	XSN4+40S	SCREW			
K79	XTW3+8T	SCREW			
K80	XSN4+12S	SCREW			
K82	XWA4B	WASHER			
K83	XSN5+10S	SCREW			

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