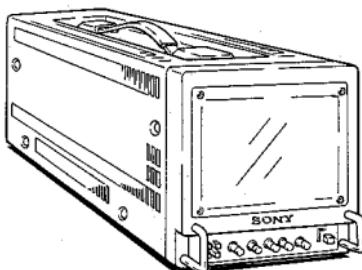


PVM-6041QM

SERVICE MANUAL

AEP Model

Chassis No. SCC-F09D-A



SPECIFICATIONS

Video signal

Color system	PAL, SECAM, NTSC3.58, NTSC4.43
Resolution	250 TV lines
Frequency response	6.0 MHz (-3.0 dB) at all inputs
Synchronization	AFC time constant 1.0 msec.

Picture performance

Normal scan	6% over scan of CRT effective screen area
Underscan	3% underscan of CRT effective screen area
H. linearity	Less than 7.0% (typical)
V. linearity	Less than 7.0% (typical)
Convergence	Central area: 0.50 mm (typical) Peripheral area: 0.60 mm (typical)
Raster size stability	H: 1.0%, V: 1.5%
High voltage regulation	3.0%
Color temperature	D65

Inputs and Outputs

Inputs	VIDEO IN: BNC connector 1 Vp-p ±6 dB, sync negative AUDIO IN: phono jack, -5 dBs, less than 47 kohms R/R-Y, G/Y, B/B-Y: BNC connector R, G, B channels: 0.7 Vp-p, ±6 dB Sync on green: 0.3 Vp-p, negative, 75 ohms terminated R-Y, Y, B-Y channels: 0.7 Vp-p, ±6 dB (standard color bar signal of 100% chrominance)
--------	---

EXT SYNC IN: BNC connector
Composite sync 4 Vp-p, ±6 dB,
negative

Loop-through outputs

VIDEO OUT: BNC connector,

75 ohms terminated

AUDIO OUT: phono jack

REMOTE: 8-pin mini DIN connector (See the pin assignment on the right side of this page)

Audio Output level 0.5 W

General

Power consumption 40 W at AC operation
40 W at DC operation

Power requirements 100 - 240 V AC, 50/60 Hz
12 V DC, with the Sony (NP-1A/1B) battery pack (not supplied) or AC-500/500CE AC power adaptor (not supplied)

Operating temperature range
0 - 35°C

Storage temperature range
-10 - +40°C

Humidity 0 - 90%

- Continued on next page -

TRINITRON® COLOR VIDEO MONITOR
SONY®

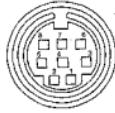


PVM-6041QM

Dimensions	Approx. 146 x 173 x 352.5 mm (w/h/d) (5 1/4 x 6 7/8 x 14 inches) not incl. projecting parts and controls
Weight	Approx. 5.5 kg (12 lb 2 oz) not incl. battery packs
Accessory supplied	AC power cord (1) Cable with an 8-pin connector AC Plug holders (1 set)

Pin Assignment

REMOTE connector (8-pin mini DIN)



Pin No.	Signal
1	Blue only
2	H/V delay
3	GND
4	INT/EXT SYNC
5	-
6	Underscan/normal scan
7	RGB/Y R-Y B-Y
8	RGB/LINE

For remote control, connect the pin of the desired function to pin 3 (GND).

Design and specifications are subject to change without notice.

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>	<u>Section</u>	<u>Title</u>	<u>Page</u>
1. GENERAL			4		
1-1.	Features	4	4-1.	Safety Related Adjustments	18
1-2.	Location and Function of Parts and Controls	5	4-2.
1-3.	Power Sources	7	4-3.
2. DISASSEMBLY			8		
2-1.	Cabinet Removal	8	5-1.	D Board Adjustments	20
2-2.	B Board Removal	8	5-2.	B Board Adjustments	23
2-3.	Switching Regulator Removal	9	5-3.	S Board Adjustments	28
2-4.	D Board Removal	9	5-4.
2-5.	P Board Removal	10	5-5.
2-6.	Rear Assy Removal	10	5-6.
2-7.	HB and FC Boards Removal	11	5-7.
2-8.	Picture Tube Removal	12	5-8.
3. SET-UP ADJUSTMENTS			13		
3-1.	Beam Landing	13	6-1.	Frame Schematic Diagram	29
3-2.	Convergence	14	6-2.	Block Diagram (1)	32
3-3.	Focus	16	6-3.	Block Diagram (2)	35
3-4.	White Balance	16	6-4.	Circuit Boards Location	40
			6-5.	Printed Wiring Boards and Schematic Diagrams	40
			6-6.	Semiconductors	74
7. EXPLODED VIEWS			76		
7-1.	Chassis	76	7-2.	Picture Tube	77
8. ELECTRICAL PARTS LIST			78		

(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SECTION 1 GENERAL

1-1. FEATURES

Four color systems available

The monitor can display PAL, SECAM, NTSC₅₂₅ and NTSC₄₄₃ signals. The appropriate color system is selected automatically.

* A signal of NTSC₄₄₃ is used for playing back NTSC recorded video cassettes with a video tape recorder/player especially designed for use with this system.

Blue only picture

The picture can be displayed in blue and black only. This facilitates hue adjustment and the observation of video noise.

Analog RGB/component input connectors

Analog RGB or component (Y, R-Y, and B-Y) signals from video equipment can be input through these connectors.

Beam current feedback circuit

The built-in beam current feedback circuit assures stable white balance.

Comb filter

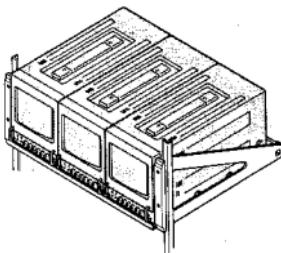
When NTSC video signals are received, a comb filter activates to increase the resolution, resulting in fine picture detail without color spill or color noise.

Automatic termination of BNC connectors

The rear BNC input connectors are internally terminated 75 ohms when nothing is connected to the output connector (VIDEO OUT). However, this impedance limit is automatically removed when a cable is plugged into the output connector, and the signal is looped-through as it is.

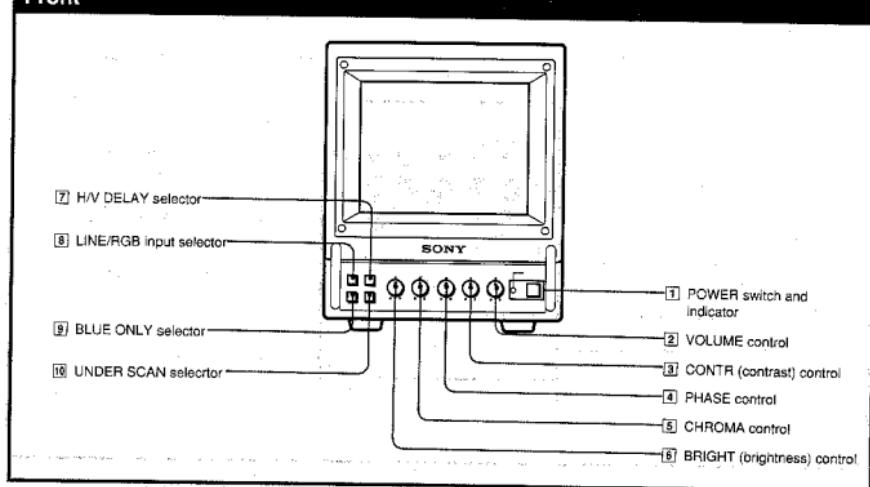
EIA standard 19-inch rack mounting

By using an MB-507 mounting bracket (not supplied), the monitor can be mounted in an EIA standard 19-inch rack. For details on mounting, see the instruction manual of the MB-507.



1-2. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Front



[1] POWER switch and indicator

Depress to turn the monitor on. The indicator will light up in green.

The POWER indicator also functions as the battery indicator. When the internal battery becomes weak or the power supplied through the DC12V IN jack decreases, the indicator flashes.

[2] VOLUME control

Turn this control clockwise or counterclockwise to obtain the desired volume.

[3] CONTR (contrast) control

Turn clockwise to make the contrast stronger and counterclockwise to make it weaker.

[4] PHASE control

Turn clockwise to make the skin tones greenish and counterclockwise to make them purplish.

[5] CHROMA control

Turn clockwise to make the color intensity stronger and counterclockwise to make it weaker.

Note

- The PHASE and CHROMA control settings have no effect on an analog RGB signal.
- The PHASE control has no effect on component signals.
- The PHASE control setting is effective only for the NTSC system.

[6] BRIGHT (brightness) control

Turn clockwise for more brightness and counterclockwise for less.

[7] H/V DELAY selector

Depress this button to observe the horizontal and vertical sync signals at the same time. The horizontal sync signal is displayed in the left quarter of the screen; the vertical sync signal is displayed near the center of the screen.

[8] LINE/RGB Input selector

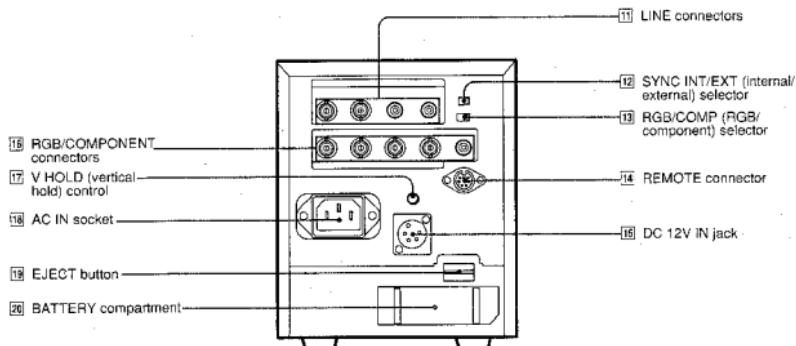
Select the program to be monitored. Keep this button released (LINE) for a signal fed through the LINE connectors. Depress this button (RGB) for a signal fed through the RGB/COMPONENT connectors.

[9] BLUE ONLY selector

Depress this button to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" control adjustments and the observation of video noise.

[10] UNDER SCAN selector

Depress this button for underscanning. The display size is reduced by approximately 3% so that four corners of the raster are visible.

Rear**11 LINE connectors**

To monitor the signal fed through these connectors, keep the LINE/RGB selector on the front panel released (LINE).

VIDEO IN (BNC): Connect to the video output of a video camera, VCR or other video equipment.

VIDEO OUT (BNC): Loop-through output of the VIDEO IN connector. Connect to the video input of a VCR or another monitor.

AUDIO IN (phono jack): Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).

AUDIO OUT (phono jack): Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

12 SYNC INT/EXT (sync internal/external) selector

Select the internal or external sync.

13 RGB/COMP (RGB/component) selector

Select the RGB or component (Y, R-Y and B-Y) signal. Keep the LINE/RGB input selector on the front panel depressed (RGB), otherwise the RGB/COMP selector does not function.

14 REMOTE connector (8-pin mini DIN)

Connect to a remote controller. For the pin assignment of this connector, see "Specifications" on page 5.

15 DC 12V IN jack (XLR, 4 pin)

Connect the Sony AC-500/500CE AC power adaptor (not supplied).

16 RGB/COMPONENT input connectors

R/R-Y, G/Y, B/B-Y, (BNC), AUDIO (phono):

To monitor a signal fed through these connectors, depress the LINE/RGB selector on the front panel (RGB).

To monitor the analog RGB signal

Connect to the analog RGB signal outputs of a video camera. Set the RGB/COMP selector to RGB.

To monitor the component signal

Connect to the R-Y/Y/B-Y component signal outputs of a Sony Betacam video camera. Set the RGB/COMP selector to COMP (component).

SYNC (BNC):

To operate the monitor on an external sync, connect the reference signal from a sync generator. Set the SYNC INT/EXT selector to EXT (external).

17 V HOLD (vertical hold) control

Turn to stabilize the picture if it rolls vertically.

18 AC IN socket

Connect the supplied AC power cord to this socket and to a wall outlet.

19 EJECT button

Press the EJECT button upwards to remove the battery pack.

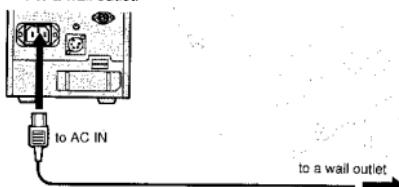
20 BATTERY compartment

Insert the NP-1A/1B battery pack (not supplied).

1-3. POWER SOURCES

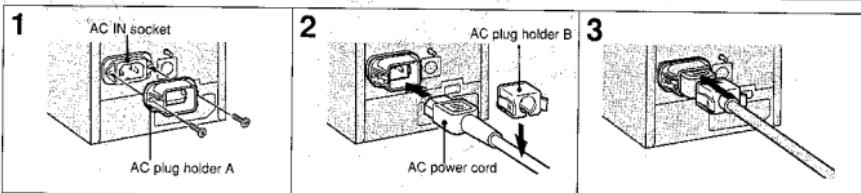
House Current

Connect the supplied AC power cord to the AC IN socket and to a wall outlet.



When the AC power cord is plugged into the AC IN socket, the battery pack (if installed) or the AC power adaptor (if connected) is automatically disconnected.

To connect an AC power cord securely with AC plug holders

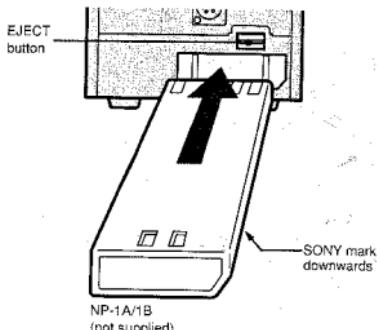


- 1 Remove the AC IN socket screws and then use them to attach AC plug holder A (supplied) to the AC IN socket.
- 2 Plug the power cord to the AC IN socket. Then, attach the supplied AC plug holder B on top of the AC power cord.
- 3 Slide AC plug holder B over the cord until it connects with AC plug holder A.

To remove the AC power cord

Pull out AC plug holder B by squeezing the left and right sides.

Rechargeable Battery



To remove the battery pack, press the EJECT button upwards.

For charging, use the BC-1WA battery charger (not supplied) for the NP-1A or the BC-1WB for the NP-1B.

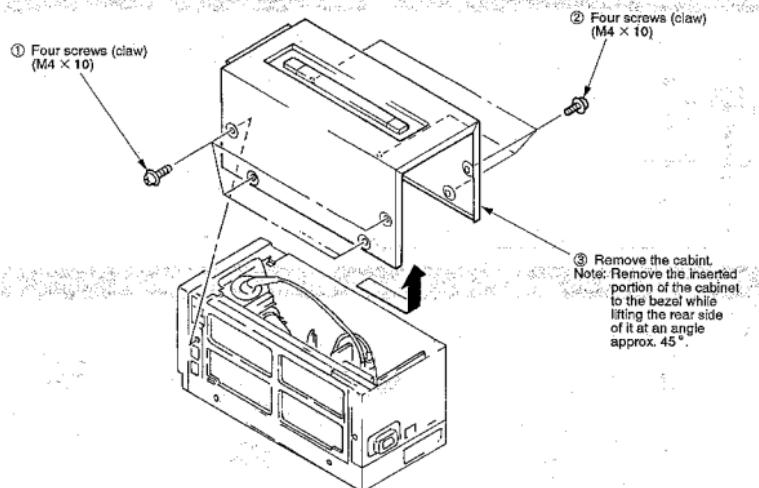
Note

Make sure that the AC power cord and the AC power adaptor are disconnected from the monitor. Otherwise, the monitor cannot operate on the battery pack.

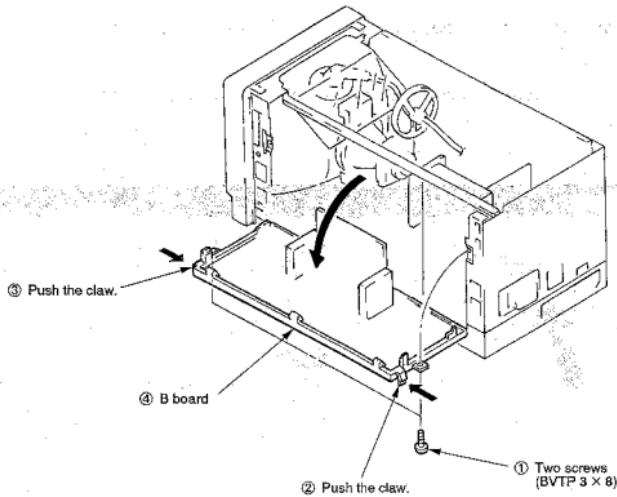
SECTION 2

DISASSEMBLY

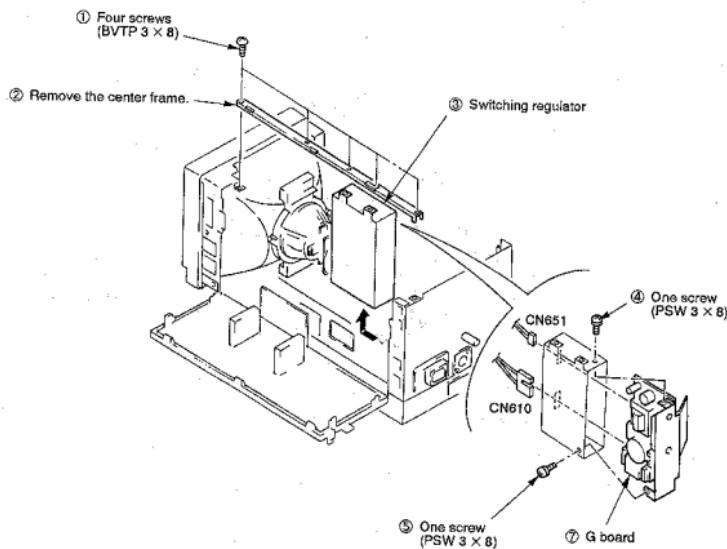
2-1. CABINET REMOVAL



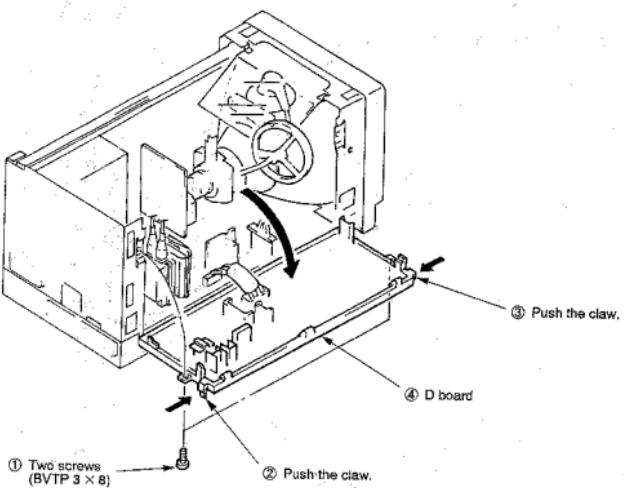
2-2. B BOARD REMOVAL



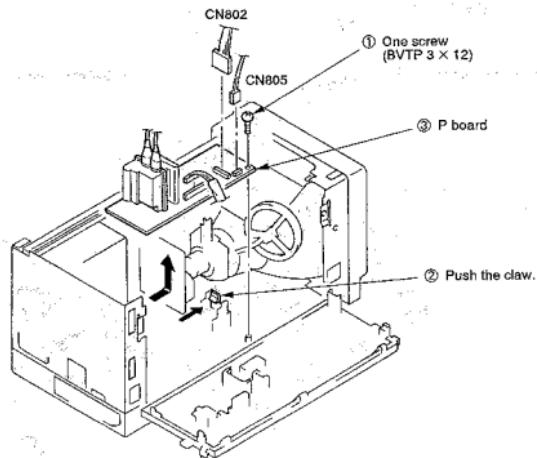
2-3. SWITCHING REGULATOR REMOVAL



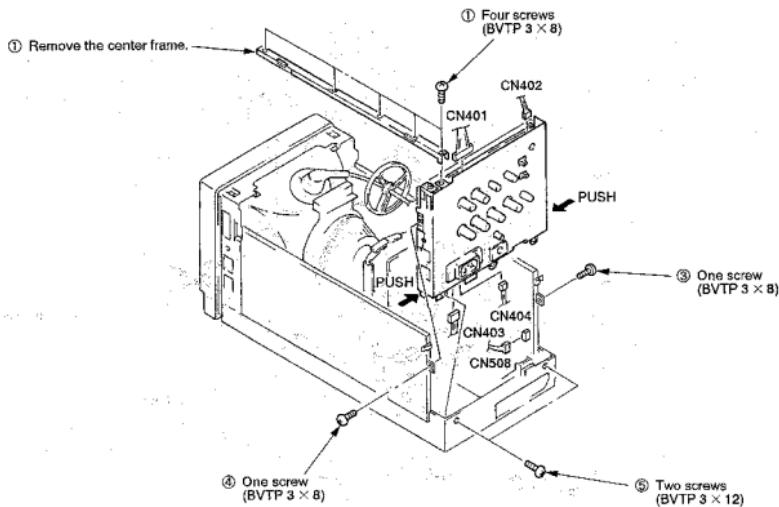
2-4. D BOARD REMOVAL



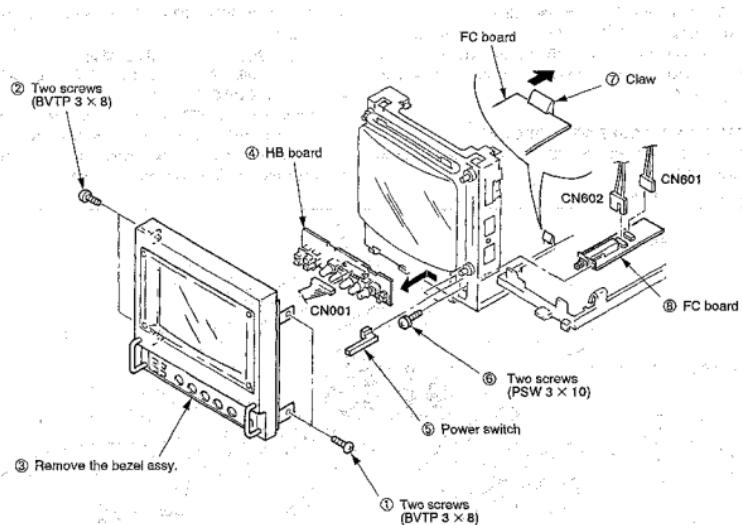
2-5. P BOARD REMOVAL



2-6. REAR ASSY REMOVAL



2-7. HB AND FC BOARDS REMOVAL



2-8. PICTURE TUBE REMOVAL

Note : Caution for ANODE CAP installation.

When you replace PICTURE TUBE or FBT, remove RTV on ANODE CAP so that PICTURE TUBE and FBT can be separated. Please adhere picture tube and anode cap in accordance with the following procedure.

ADHERING PROCEDURE OF ANODE CAP.

1. Clean PICTURE TUBE ANODE CAP with ethanol to remove original RTV.
2. Dry clean face with air.

3. Use KE-490RTV (RTV silicone adhesive, SHIN-ETSU CHEMICAL).

Part No.

7-322-065-19

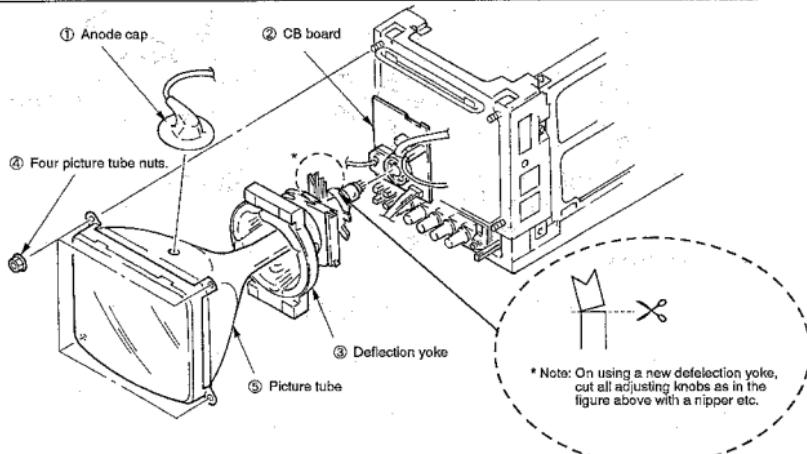
Description

Silicone (RTV) KE-490W

4. Install ANODE CAP.

5. Adequately apply RTV to the entire picture tube anode area, place the anode cap onto the picture tube and push it down securely so that no air pockets remain beneath the cap.

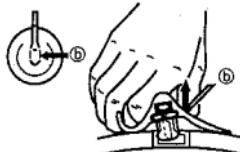
6. Dry more than 12 hours at room temperature.



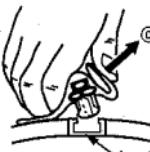
• REMOVAL OF ANODE-CAP • REMOVING PROCEDURES



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ④.



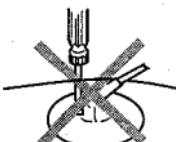
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑤.



- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ⑥.

HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
A metal fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly!



SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted:

CONTRAST control	80%
BRIGHTNESS control	50%

Perform the adjustments in order as follows:

3-1. Beam Landing

3-2. Convergence

3-3. Focus

3-4. White Balance

Note: Test equipment Required.

- Color Bar/Pattern Generator
- Degausser
- Color Analyzer (Minoita)
- Luminance Level Meter

3-1. BEAM LANDING

Precaution

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

(1) Beam Landing

- Receive an entirely white signal with the pattern generator.
CONTRAST MAX.
BRIGHTNESS set easy to observe
- Adjust the white balance, G2 voltage and convergence roughly.
- Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Fig.3-1.
- Switch over the pattern generator to green.
- Move the deflection yoke backward, and adjust with the purity control so that green is in the center and blue and red are at the sides, evenly. (Fig.3-2)
- Move the deflection yoke forward, and adjust so that the entire screen becomes green. Repeat 5 to 7 as to red and blue.
- When landing at the corners is not right, correct by using the magnet. (Fig.3-3)
- When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.

CAUTION: When correction magnet is used, be sure to degauss the unit.

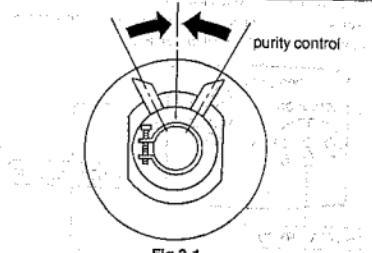
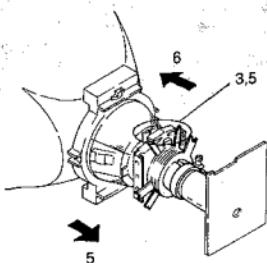


Fig.3-1



Fig.3-2

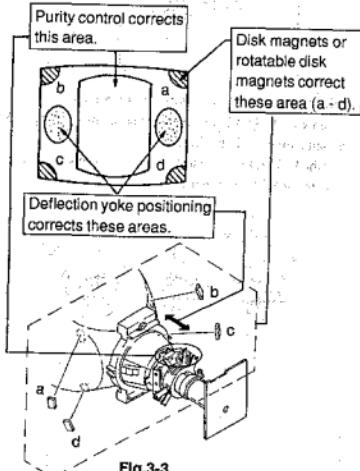


Fig.3-3

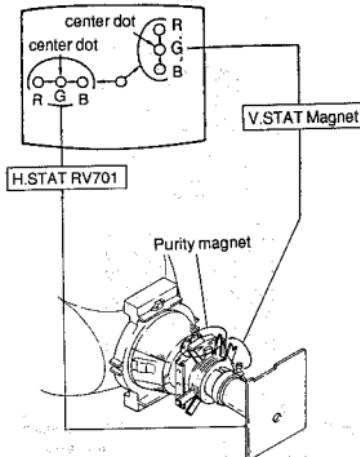
3-2. CONVERGENCE

(1) Horizontal and vertical Static Convergence Adjustment on the Center of Screen.

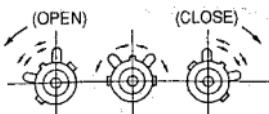
Before starting, perform V.SIZE, V.CENT, H.SIZE, H.CENT and Screen Distortion Adjustment rightly.

(Static Convergence Adjustment)

- Receive a dot signal, setting BRIGHTNESS minimum and set CONTRAST to normal.
- Adjust H.STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
- Adjust V.STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)

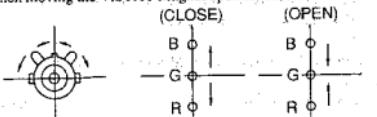


- If the red, green and blue dots do not coincide on the center of screen with H.STAT VR, perform adjustment using V.STAT at the same time while tracking.
(Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.)

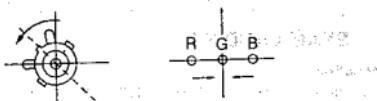


- When the V.STAT magnet is moved in the direction of arrow A and b, red, green and blue dots move as shown below.

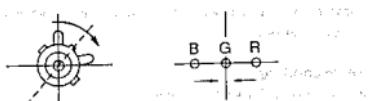
- ① When moving the V.STAT Magnet open or close.



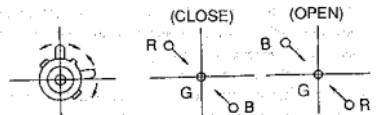
- ② When moving the V.STAT magnet counterclockwise.



- ③ When moving the V.STAT magnet clockwise.



- ④ When tilt the V.STAT magnet and open or close.

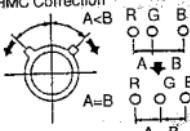


- * If the red and green dots do not coincide with blue dot, adjustment with BMC (6-poles) magnet.

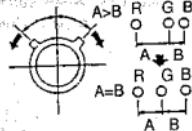
5. HMC and VMC correction for BMC (6-Poles) magnet.

- ① HMC (Horizontal Misconvergence) correction and motion of the Electron Beam with the BMC (6-poles) magnet.

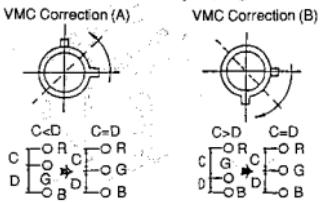
HMC Correction



HMC Correction

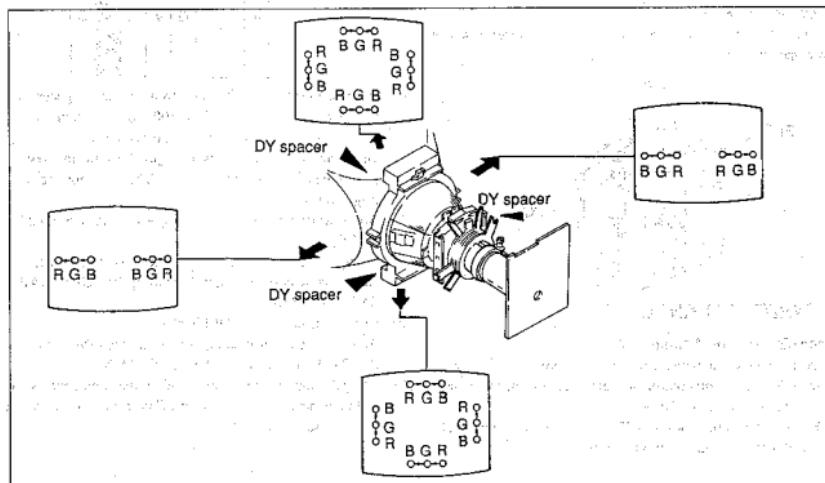


- ② VMC (Vertical Misconvergence) correction and motion of the Electron Beam with the BMC (6-poles) magnet.

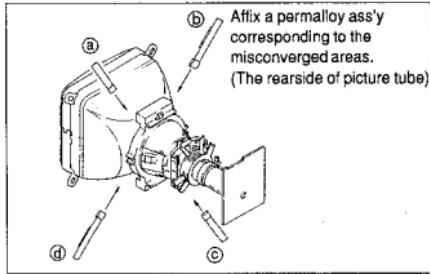
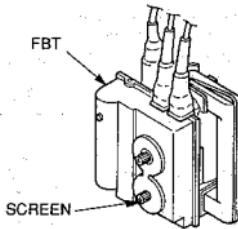
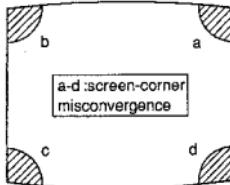


(2) Horizontal and Vertical Dynamic Convergence Adjustment at the Environs of the Screen (Dynamic Convergence Adjustment)

- When there is misconvergence at the sides of screen, adjust for best convergence as follows by moving the deflection yoke.
- Loosen deflection yoke screw. Remove deflection yoke spacers. Move the deflection yoke for best convergence. Tighten the deflection yoke screw. Install three deflection yoke spacers.



Screen-corner Convergence



[White Balance]

1. Receive a color-bar pattern signal with the pattern generator. (Make black and white screen by chroma switch off.)
2. • BRIGHTNESS 50%
• CONTRAST Minimum
• CHROMA 50%
• DRIVE control Mechanical center
• BKG control Mechanical center
3. Adjust RV118 (SUB BRT) on B board so that the blue stripe portion on the color-bar pattern signal is bright dimly.

Color-bar pattern

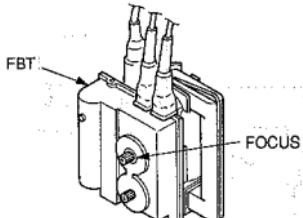
BLU



4. Receive an entirely white signal from the pattern generator.
5. CONTRAST 70% (90 degree clockwise from mechanical center.)
6. Using the luminance level meter, adjust the luminance level of the pattern generator becomes 3 Nits. (The condition the screen is bright dimly.)
7. Adjust white balance at cut-off using RV119 (G-C/O) and RV121 (B-C/O).
8. Change the all-white signal luminance level to 100 IREs.
9. Adjust white balance at high-light using RV120 (G-GAIN) and RV121 (B-GAIN).
10. Change the unit to blue ONLY mode.
11. Adjust white balance (at high-light) in blue ONLY mode using RV124 *R-GAIN/BL and RV125 (G-GAIN/BL).
12. Using the luminance level meter, adjust the luminance level of the pattern generator becomes 8 Nits. Confirm that white balance at cut-off is satisfactory.

3-3. FOCUS

1. Receive the broadcast.
2. CONTRAST → Normal
3. Adjust FOCUS control so that the focus on the center of screen becomes to the best.



3-4. WHITE BALANCE

[Screen (G2) Voltage Adjustment]

1. Receive a dot signal with the pattern generator.
2. Adjust R. G. B cut-off controls so that respective cathode voltage against ground becomes 103V DC.
3. Observing the screen, adjust SCREEN control so that the background of the dot signal is bright dimly.

MEMORECEIVED
RECORDED - INDEXED - FILED

SECTION 4

SAFETY RELATED ADJUSTMENTS

4-1. SAFETY RELATED ADJUSTMENTS

B+ ADJUSTMENT AND B+ MAX CHECK FOR SERVICING (RV651)

The following adjustments should always be performed when replacing the following components (marked with on the schematic diagram).

- on G board : (Power supply block)
IC601, IC651, PH601, C654, R653, R655, R656, R657, RV651.
- 1. Input the AC power supply voltage $240V \pm 5V$.
- 2. Input the monoscope signal.
- 3. Set as follows.
 - CONTRAST 80%
 - BRIGHTNESS 50%
- 4. Connect the digital multimeter to RY1601 pin-⑦ on the D board.
- 5. Adjust RV651 on the G board so that the +B voltage becomes $40.0 \pm 0.1V$.
- 6. After adjusting RV651, fix it with an epoxy.
- 7. Input the AC power supply voltage $240V \pm 5V$.
- 8. Input the dot signal.
- 9. Set as follows.
 - CONTRAST Minimum
 - BRIGHTNESS Minimum
- 10. Check that the B+ voltage is below 41.9V.
If it is above this value, repeat from step 1.

B+ MAX IN DC POWER INPUT MODE, CONFIRMATION (RV1603)

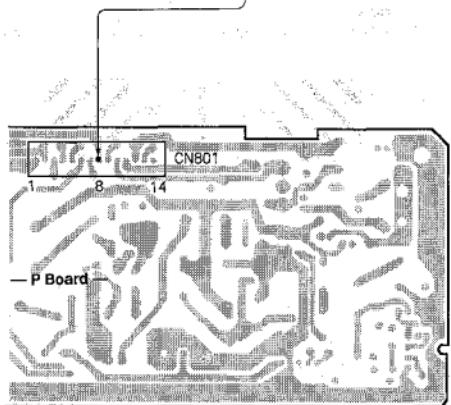
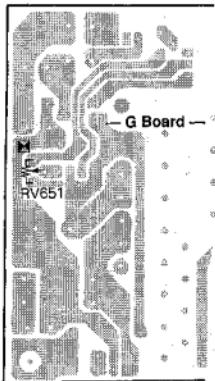
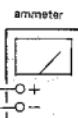
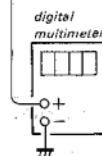
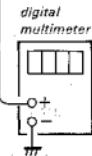
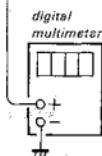
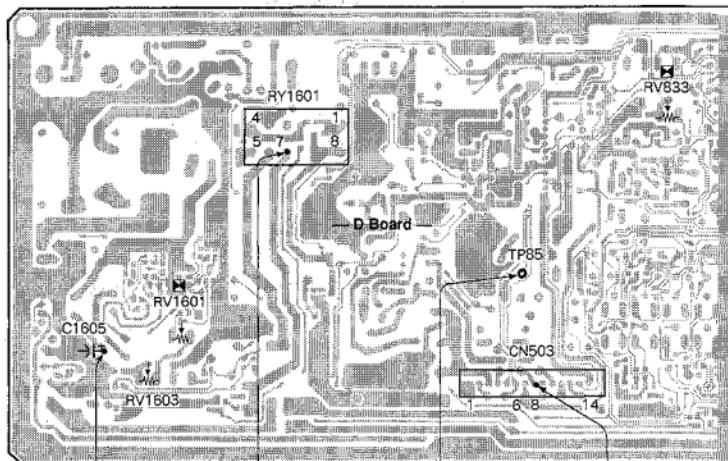
The following adjustments should always be performed when replacing the following components (marked with on the schematic diagram).

- on D board :
Q1601, Q1602, Q1603, D1601, D1602, D1603, D1604, D1605, C1601, C1602, R1601, R1602, R1603, R1604, R1605, R1606, R1607, R1608, R1629, R1628, R1630, RV1601, RV1603.
- 1. Supply DC $12V \pm 0.4V$ from DC 12V IN connector.
- 2. Receive a dot signal.
- 3. • CONTRAST Minimum
 - BRIGHTNESS Minimum
- 4. Connect a digital multimeter to C1605 positive + side of D board.
- 5. Turn RV1601 on the D board fully clockwise. Confirm that the voltage of C1605 + pin is less than 41.9V DC.
- 6. If step 5 is not satisfied, readjust the RV1603. After adjusting, fasten RV1603 in place with epoxy.

HOLD-DOWN CIRCUIT CONFIRMATION(RV833) AND READJUSTMENTS

The following adjustments should always be performed when replacing the following components (marked with on the schematic diagram).

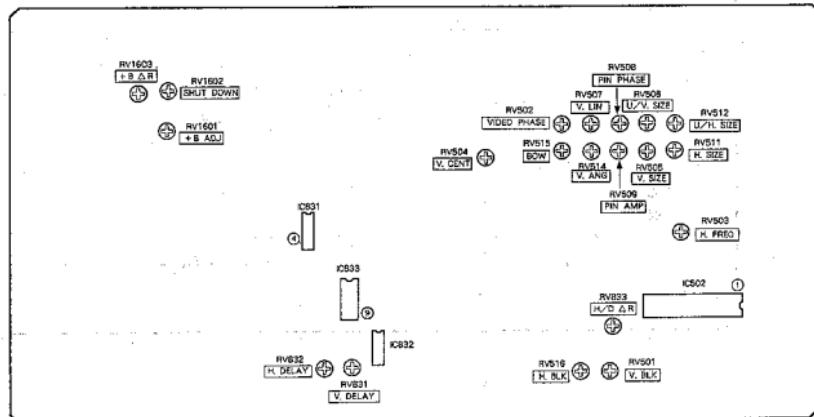
- on D board:
IC502, Q833, Q834, Q835, Q836, D835, D836, C519, C843, C844, C845, C846, C847, C848, RV833, R523, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R861, R862, R863.
- on P board:NL801, T802 (FBT), C814.
- 1. Receive an entire white signal.
- 2. • CONTRAST Maximum
 - BRIGHTNESS Maximum
- 3. Connect a digital multimeter to the TP85 (CN503 pin-⑥).
- 4. Confirm the voltage is $14.1 \pm 3.0V$ DC.
- 5. Receive a dot signal.
- 6. Connect an ammeter between D board CN503 pin-⑧ and P board CN801 pin-⑧.
- 7. Adjust BRIGHTNESS and CONTRAST so that the current is $I_{ABL} = 160 \pm 30 \mu A$.
- 8. Apply an external DC voltage gradually to TP85. When the voltage becomes $18.5V \pm 0.1V$ DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
- 9. When external DC voltage at TP85 becomes $17.5V \pm 0.1V$ DC, confirm the HOLD-DOWN circuit doesn't operate.
- 10. Receive an entire white signal.
- 11. Adjust with BRIGHTNESS and CONTRAST controls so that the current is $I_{ABL} = 520 \pm 30 \mu A$.
- 12. Apply DC voltage of $17.8V \pm 0.1V$ to TP85. Confirm the HOLD-DOWN circuit operates immediately and raster disappears.
- 13. With the same set-up as steps 10 and 11, supply $16.8V \pm 0.1V$ DC to TP85. Confirm that the HOLD-DOWN circuit doesn't operate.
- 14. When above specifications are not satisfied, readjust RV833.
After adjusting, fasten RV833 in place with epoxy.



SECTION 5 CIRCUIT ADJUSTMENTS

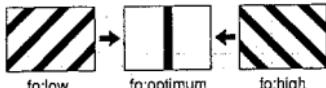
5-1. D BOARD ADJUSTMENTS

—D BOARD (COMPONENT SIDE)—



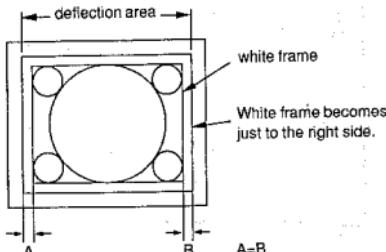
HORIZONTAL OSCILLATION FREQUENCY ADJUSTMENT (RV503)

1. Receive a monoscope signal.
2. Connect pin-① of IC502 to ground with $100\mu\text{F}/16\text{V}$ electrolytic capacitor.
3. Adjust RV503 (H.FREQ) so that the screen streaming stops.



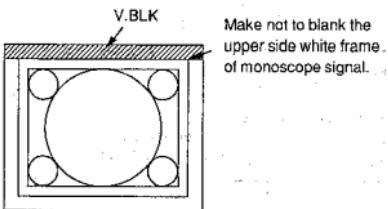
SCREEN PHASE ADJUSTMENTS (RV502, RV512, RV516)

1. Receive a monoscope signal.
2. Set U/S (Under Scan) switch to Under mode.
3. • CONTRAST Minimum
• BRIGHTNESS Maximum.
4. Adjust RV512 (U/H. SIZE) so that the white frame of monoscope signal becomes visible.
5. Adjust RV516 (H.BLK) for minimum BLKG width so that all the deflection area becomes visible.
6. Adjust RV502 (VIDEO PHASE) so that the monoscope's white frames should have equal width.

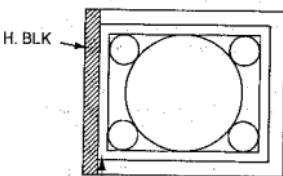


H.V BLK ADJUSTMENTS (RV501, RV516)

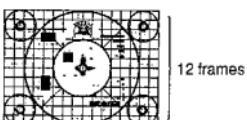
1. Receive a monoscope signal.
2. Set U/S (Under Scan) switch to Under mode.
 - CONTRAST Minimum
 - BRIGHTNESS Maximum
3. V. BLK Adjustment (RV501)
- (I) Adjust RV501(V. BLK) so that the upper side white frame of monoscope signal is not blanked.

**5. H. BLK Adjustment (RV516)**

- (I) Adjust with RV516 (H. BLK) so that the left end white vertical line of the white frame of monoscope signal is not blanked as following figure.

**VERTICAL DEFLECTION PART ADJUSTMENTS (RV504, RV505, RV506, RV507)**

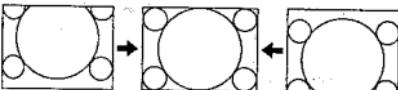
1. Receive a monoscope signal.
2. • CONTRAST 70%
 - BRIGHTNESS 50%
3. Adjust RV505 (V. SIZE) so that the vertical size of monoscope signal becomes 12 frames.



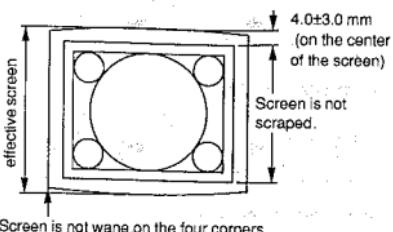
4. Adjust RV507 (V.LIN) the vertical linearity.



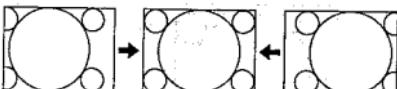
5. Adjust RV504 (V. CENT) the vertical position.

**6. V. SIZE ADJUSTMENT (RV505)**

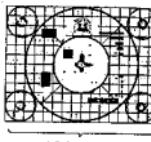
- (I) Adjust RV505 (V. SIZE) so that the vertical size of monoscope signal becomes 11.75 ± 0.2 frames.
7. V.SIZE IN UNDERSCAN MODE ADJUSTMENT (RV506)
 - (I) Set U/S (Under Scan) switch to Under mode.
 - (2) Adjust the Under V.SIZE with RV506 (U/V. SIZE) as follows.

**HORIZONTAL DEFLECTION PART ADJUSTMENTS (RV508, RV509, RV511, RV514, RV515, RV801/P board)**

1. Receive a monoscope signal.
2. • CONTRAST 70%
 - BRIGHTNESS 50%
3. H. CENT Adjustment (RV801 on P board)
 - (I) Adjust RV801 on P board (H. CENT) the horizontal position.

**4. H. SIZE Adjustment (RV511)**

- (I) Adjust RV511 (H. SIZE) the horizontal size of 16 frames of monoscope signal.



5. PIN AMP, PIN PHASE, V. ANG, BOW ADJUSTMENTS
(RV508 RV509, RV514, RV515)

Adjust RV514 (V. ANG) and RV515 (BOW) to correct vertical angular distortion and bow distortion. Adjust RV509 (PIN AMP) and RV508 (PIN PHASE) so that vertical lines become straight.

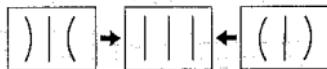
• V. ANG (RV514)



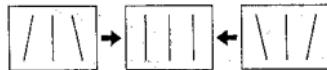
• BOW (RV515)



• PIN AMP (RV509)



• PIN PHASE (RV508)

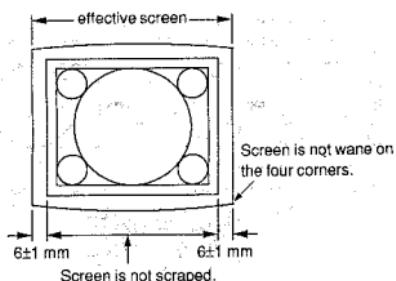


6. H. SIZE ADJUSTMENT (RV511)

(1) Adjust RV511 (H. SIZE) so that the horizontal size becomes 16 ± 0.2 frames.

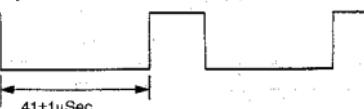
7. UNDERSCAN MODE H.SIZE ADJUSTMENT (RV512)

(1) Set U/S (Under Scan) switch to Under mode.
(2) Adjust RV512 (U/H. SIZE) the Under H. SIZE as shown in the figure.



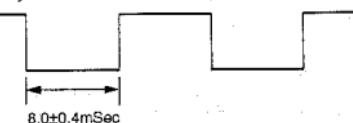
H V DELAY ADJUSTMENT (RV831, RV832)

1. Receive a monoscope signal.
2. • CONTRAST 70%
• BRIGHTNESS 50%
3. Set H V DELAY switch to DELAY mode.
4. H. DELAY Adjustment (RV832)
 - (1) Connect an oscilloscope to pin ④ of IC831.
 - (2) Adjust RV832 (H. DELAY) to becomes $41 \pm 1 \mu\text{Sec}$.



5. V. DELAY Adjustment (RV831)

- (1) Connect an oscilloscope to pin ⑧ of IC833.
- (2) Adjust RV831 to become $8.0 \pm 0.4 \text{ msec}$ as follows.



SHUT-DOWN VOLTAGE ADJUSTMENT (RV1602)

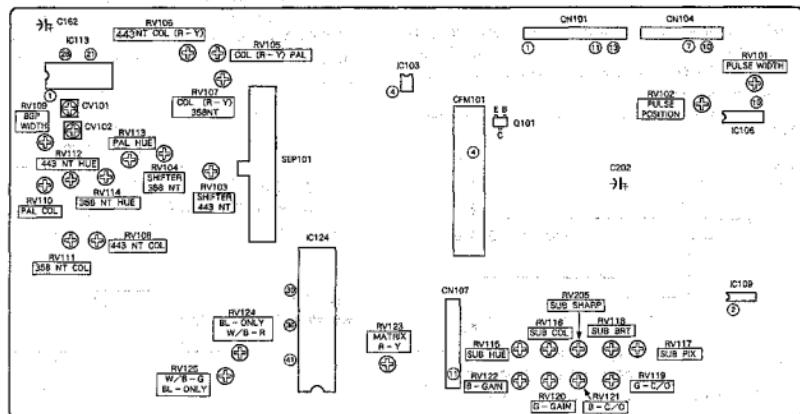
1. Fully rotate RV1602 in the direction that does not shut-down.
2. Supply a $9.4V \pm 0.1V$ voltage to the C1602 side of L1602 on the D board.
3. Turn AC power switch ON.
4. Rotate D board RV1602 (SHT DOWN) slowly to the point that shuts-down the unit.

**B+ VOLTAGE DURING DC OPERATE MODE,
ADJUSTMENT (RV1601)**

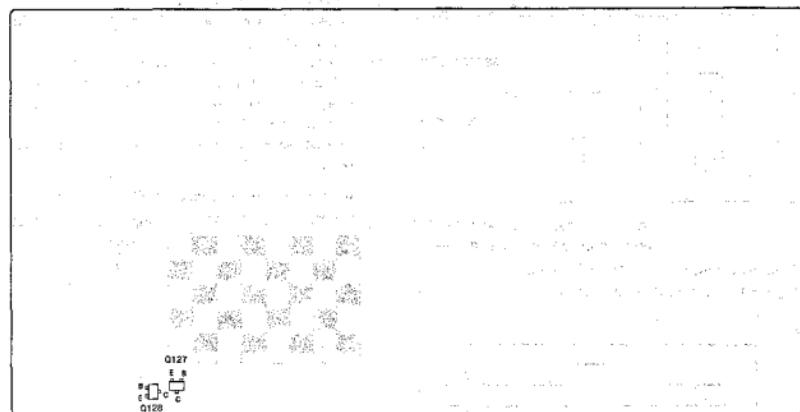
1. Supply DC12V $\pm 0.2V$ to DC 12V IN connector.
2. Receive a monoscope signal.
3. • CONTRAST 80%
• BRIGHTNESS 50%
4. Connect a digital voltmeter to C1605 + positive side on D board.
5. Adjust RV1601 on the D board for $40.0 \pm 0.1V$ DC.

5-2. B BOARD ADJUSTMENTS

-B BOARD (COMPONENT SIDE)-



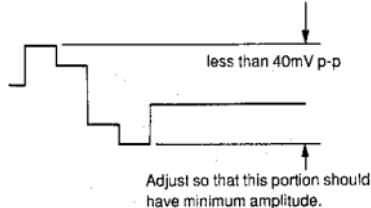
-B BOARD (CONDUCTOR SIDE)-



**PRIMARY COLOR MATRIX ADJUSTMENT
(RV115, RV116, RV123)**

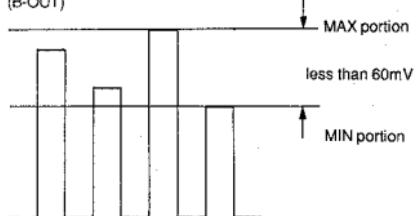
- Supply component color bar signal (75% chroma color bar) to the equipment so that Y signal is supplied to EXT SYNC and R-Y signal to R-Y connectors. Operate the equipment in external sync mode.
- Connect oscilloscope to IC124 pin-⑩ (B-OUT).
- Adjust RV115 (SUB HUE) to obtain the Blue output as shown in figure.

(B-OUT)



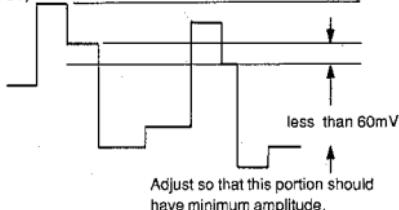
- Supply component color bar signal (75% color bar) to the component input connector to feed R-Y and B-Y signals. Operate the equipment in internal SYNC mode.
- Connect oscilloscope to IC124 pin-⑩ (SUB-COL). Adjust RV116 (SUB-COL) so that waveform peaks should have the same level.

(B-OUT)



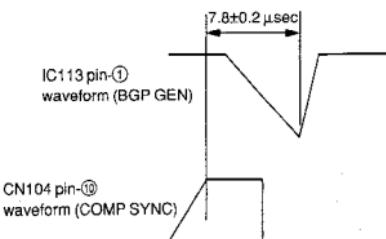
- Connect oscilloscope to IC124 pin-⑪ (R-OUT).
- Adjust RV123 ((R-Y)-IN) so that waveform peaks should have the same level.

(R-OUT)



BURST GATE PULSE WIDTH ADJUSTMENT (RV109)

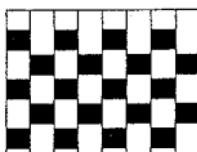
- Receive color bar signal.
- Connect dual trace oscilloscope to CN104 connector pin-⑩ (COMP-SYNC) and IC113 (M51279) pin-① (BGP-WIDTH). Adjust RV109 (BGP-WIDTH) to obtain the relationship as shown in the figure.



VXO ADJUSTMENT (CV101,CV102)

- 3.58MHz VXO adjustment (CV101)
 - Receive NTSC color bar signal.
 - Connect +5V power line to IC113 pin-⑫ (ID-FILT-REF) via a 4700Ω resistor.
 - Ground IC109 pin-② by connecting it to ground.
 - Ground C162 - negative side by connecting it to ground.
 - Connect frequency counter to IC113 pin-⑪. Adjust CV101 (358FO) for 3579545 ± 20 Hz.
(This adjustment can be alternatively done by observing screen as below.)

Adjust color synchronization by CV101 (358FO).

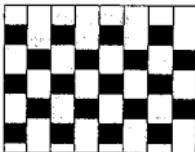


Adjust so that color stripes disappear and the hue change is stabilized extremely.

2. 4.43MHz VXO adjustment (CV102)

- (1) Receive PAL colour bar signal.
- (2) Connect +12V power line to IC109 pin-②.
- (3) Connect frequency counter to IC113 pin-②. Adjust CV102 (443FO) for $4433619 \pm 20\text{Hz}$.
(This adjustment can be alternatively done by observing screen as below.)

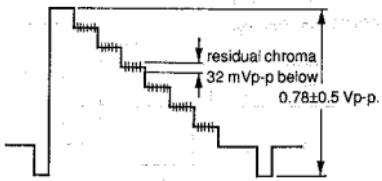
Adjust colour synchronization by CV102(443FO).



Adjust so that colour stripes disappear and the hue change is stabilized extremely.

NTSC COMB FILTER ADJUSTMENT
(RV1,T1/CFM101 BOARD)

1. Receive NTSC 3.58 color bar signal.
2. Connect an oscilloscope to C202 - negative side.
3. Confirm the Y. OUT is $0.78 \pm 0.5 \text{ Vpp}$.
4. Confirm the residual chroma is 32 mVpp below. If it is above 35 mVpp , adjust with RV1 and T1 on CFM201 board while tracking.

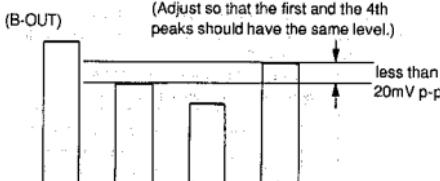
NTSC COLOR DEMODULATION ADJUSTMENT
(RV114,RV111,RV104,RV107)

1. NTSC 3.58MHz - HUE adjustment (RV114)

- (1) Supply NTSC color bar signal including burst and R-Y component.
(For example, Tektronix 1410SG output color bar signal with B-Y component removed.)
- (2) Connect an oscilloscope to Q128 emitter (B-Y OUT).
- (3) Adjust RV114 (358NT - HUE) so that all the waveform peaks should have equal amplitude (look flat) except burst. (Level difference should be less than 10mV p-p .)

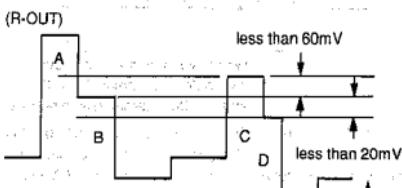
2. NTSC 3.58MHz - COLOR adjustment (RV111)

- (1) Receive NTSC 3.58 color bar signal.
- (2) Connect an oscilloscope to IC124 pin-⑩ (B-OUT).
- (3) Adjust RV111(358NT-COL) so that waveform peaks should have the same level (most flat).



3. NTSC 3.58MHz - COLOR (R-Y) adjustment (RV104,RV107)

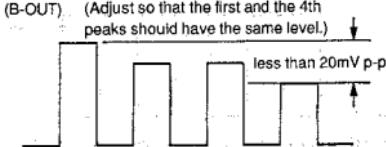
- (1) Receive the color bar signal.
- (2) Connect an oscilloscope to the Q127 emitter (R-Y OUT), and adjust RV104 (358NT-SHIFT) so that the output of the burst section (B-Y axis signal output) becomes 0.
- (3) Connect an oscilloscope to IC124 pin-④ (R-OUT). Adjust RV107 (358NT-COL (R-Y)) so that the level difference should be minimum.



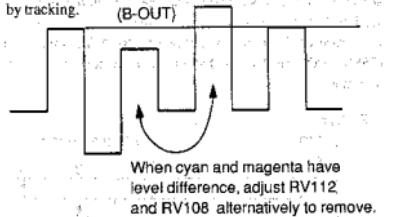
(Adjust for B=D, [less than 20mV]. Also level difference between B and C should be less than 60mV .)

**NTSC 4.43MHZ COLOR DEMODULATION
ADJUSTMENT (RV108,RV112,RV103,RV106)**

1. NTSC 4.43MHz - COLOR adjustment (RV108,RV112)
 - (1) Receive NTSC 4.43 color bar signal (75% color bar).
 - (2) Connect an oscilloscope to IC124 pin ⑩ (B-OUT).
 - (3) Adjust RV108 (443NT-COL) so that waveform peaks should have the same level (most flat).

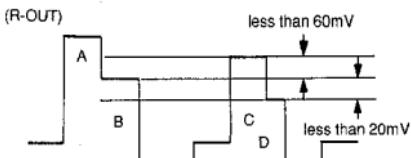


- (4) When cyan and magenta have level difference, adjust RV112 (443NT-HUE) and RV108 (443NT-COL) alternatively to remove, by tracking.



2. NTSC 4.43MHz - COLOR (R-Y) adjustment (RV103, RV106)

- (1) Receive the NTSC 4.43 color bar signal (75%, chroma colorbar).
- (2) Connect an oscilloscope to the Q127 emitter (R-Y OUT), and adjust RV103(443NT-SHIFT) so that the output of the burst section (B-Y axis signal output) becomes 0.
- (3) Connect an oscilloscope to IC124 pin ⑪ (R-OUT). Adjust RV106 (443NT-COL (R-Y)) so that the level difference should be minimum.

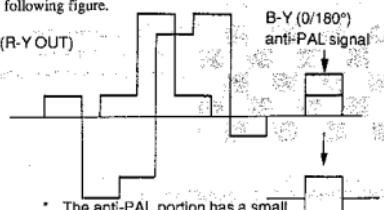


(Adjust for B=D. [less than 20mV] Also level difference between B and C should be less than 60mV.)

**PAL COLOR DEMODULATION ADJUSTMENT
(RV113,RV2/SEP101, RV110,RV105,RV205)**

1. PAL PHASE Adjustment (RV113,RV2/SEP101)

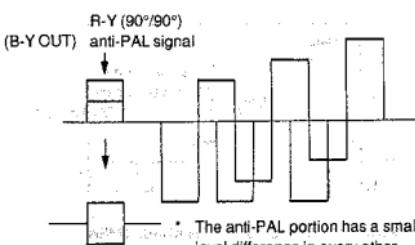
- (1) Receive the special PAL color-bar.
- (2) Connect an oscilloscope to emitter of Q127 (R-Y OUT).
- (3) Adjust RV113 (PAL-PHASE) so that B-Y (0/180°) anti-PAL portion (in the R-Y demodulated output) becomes "0" (flat) as following figure.



* The anti-PAL portion has a small level difference in every other horizontal period. So, adjust so that average becomes "0".

- (4) Connect an oscilloscope to emitter of Q128 (B-Y OUT).

- (5) Adjust RV2 inside SEP101 so that R-Y (90°/90°) anti-PAL portion (in B-Y demodulated output) becomes "0" (flat) as following figure.



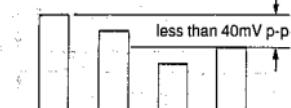
* The anti-PAL portion has a small level difference in every other horizontal period. So, adjust so that average becomes "0".

For the adjustments of (3) and (5), it is also possible to set the color level to MAX with the chroma adjusting knob of the unit and erase the color of the anti-pal signal section.

2. PAL COLOR ADJUSTMENT (RV110)

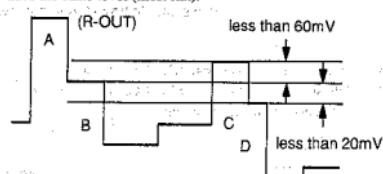
- (1) Receive PAL color bar signal (75% color bar).
- (2) Connect an oscilloscope to IC124 pin ⑩ (B-OUT).
- (3) Adjust RV110 (PAL-COL) so that waveform peaks should have the same level (most flat).

(Adjust so that the first and the 4th
peaks should have the same level.)



3. PAL-COLOR-(R-Y) ADJUSTMENT (RV105)

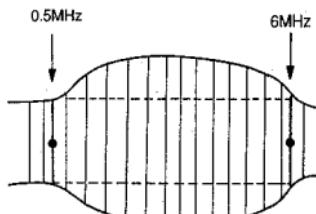
- (1) Connect an oscilloscope to IC124 pin ⑪ (R-OUT).
- (2) Adjust RV105 (PAL-COL-(R-Y)) so that waveform peaks should have the same level (most flat).



(Adjust for B-D. [less than 20mV] Also level difference
between B and C should be less than 60mV.)

SUB-SHARP ADJUSTMENT (RV205)

- (1) Receive a sweep signal (or multi-burst).
 - Bandwidth should be more than 10MHz (flat).
 - Composite sync should be included.
 - Turn burst off.
- (2) Connect an oscilloscope to IC124 pin ⑫ (G-OUT).
- (3) Adjust RV205 (SUB-SHARP) as shown.



Example of sweep signal output waveform

[specification]
 $6\text{MHz}/0.5\text{MHz} = 0 \pm 0.5\text{dB}$

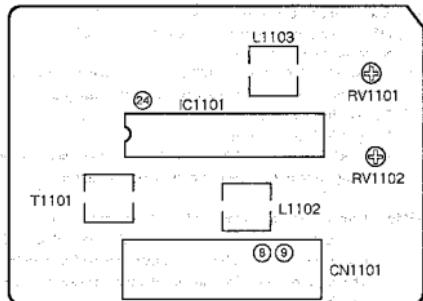
CHROMA H PULSE POSITION ADJUSTMENT (RV101,RV102)

- (1) Receive the SECAM color bar signal.
(The left edge of the screen should not be colored.)
- (2) Set to the under-scan mode.
- (3) Adjust RV101 (PLUSE-WIDTH) until the point immediately before the color on the left edge of the screen disappears.
- (4) Release the under-scan mode.
- (5) Set the HV DELAY mode.
- (6) Adjust RV102 (PULSE-POS) until the point immediately before the rising color of the image after back porch disappears.

Note : If image phase adjustment or HV DELAY amount adjustment during HV DELAY is performed after completing the adjustment in this section, re-adjustments will be required. Therefore, performed this adjustment after the two mentioned have been performed.

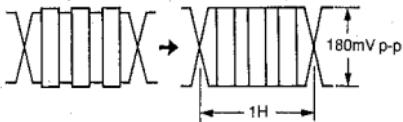
5-3. S BOARD ADJUSTMENTS

—S BOARD (COMPONENT SIDE)—



SECAM (T1101,L1102,L1103)

1. Receive SECAM color-bar.
2. Bell Filter Adjustment (T1101)
 - (1) Connect an oscilloscope to IC1101 pin-④.
 - (2) Adjust T1101 (Bell Filter) so that the chroma waveform becomes smooth. (Uneven level should be minimum.)



3. Color Balance Adjustment (L1102,L1103)
 - (1) Connect an oscilloscope to pin-⑨ (R-Y) of CN1101 connector.
 - (2) Adjust L1102 (R-Y) so that the non-colored portion level becomes flat.



- (3) Connect an oscilloscope to pin-⑩ (B-Y) of CN1101 connector.
- (4) Adjust L1103 (B-Y) so that the non-colored portion level becomes flat.

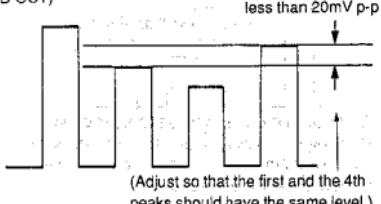


- (5) When adjusting the color level of the unit to MAX or MIN using the chroma adjusting knob, check that the white balance of the colorless section does not change.

DEMODULATION LEVEL ADJUSTMENT (RV1101,RV1102)

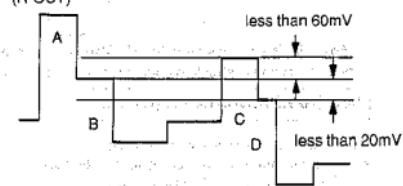
1. Receive SECAM color-bar.
2. Connect an oscilloscope to IC124 pin-⑩ (B-OUT).
3. Adjust S board RV1101 (SEC-COL) so that waveform peaks should have the same level (most flat).

(B-OUT)



4. Connect an oscilloscope to IC124 pin-⑪ (R-OUT).
5. Adjust S board RV1102 (SEC-COL (R-Y)) so that the level difference should be minimum.

(R-OUT)

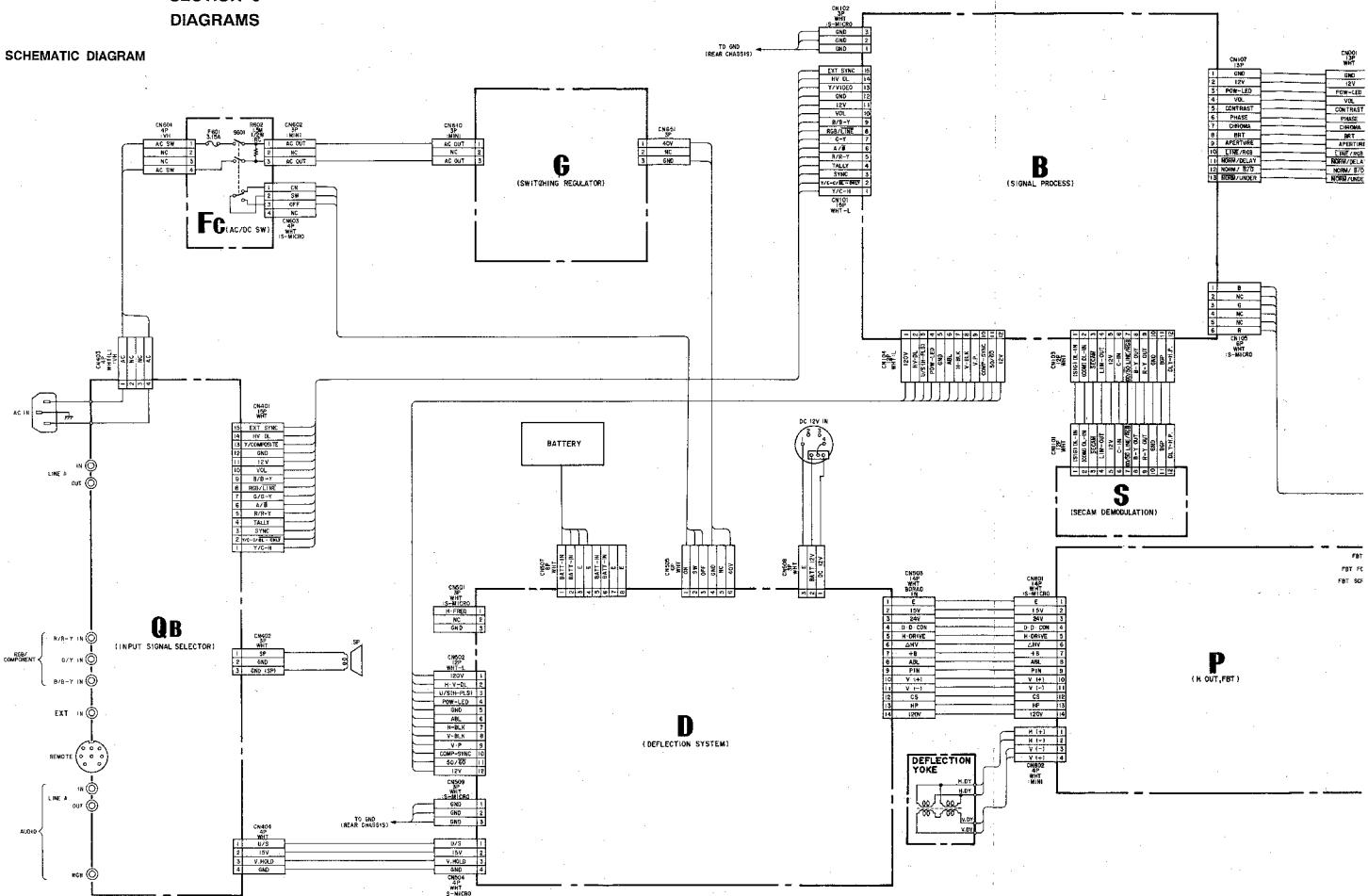


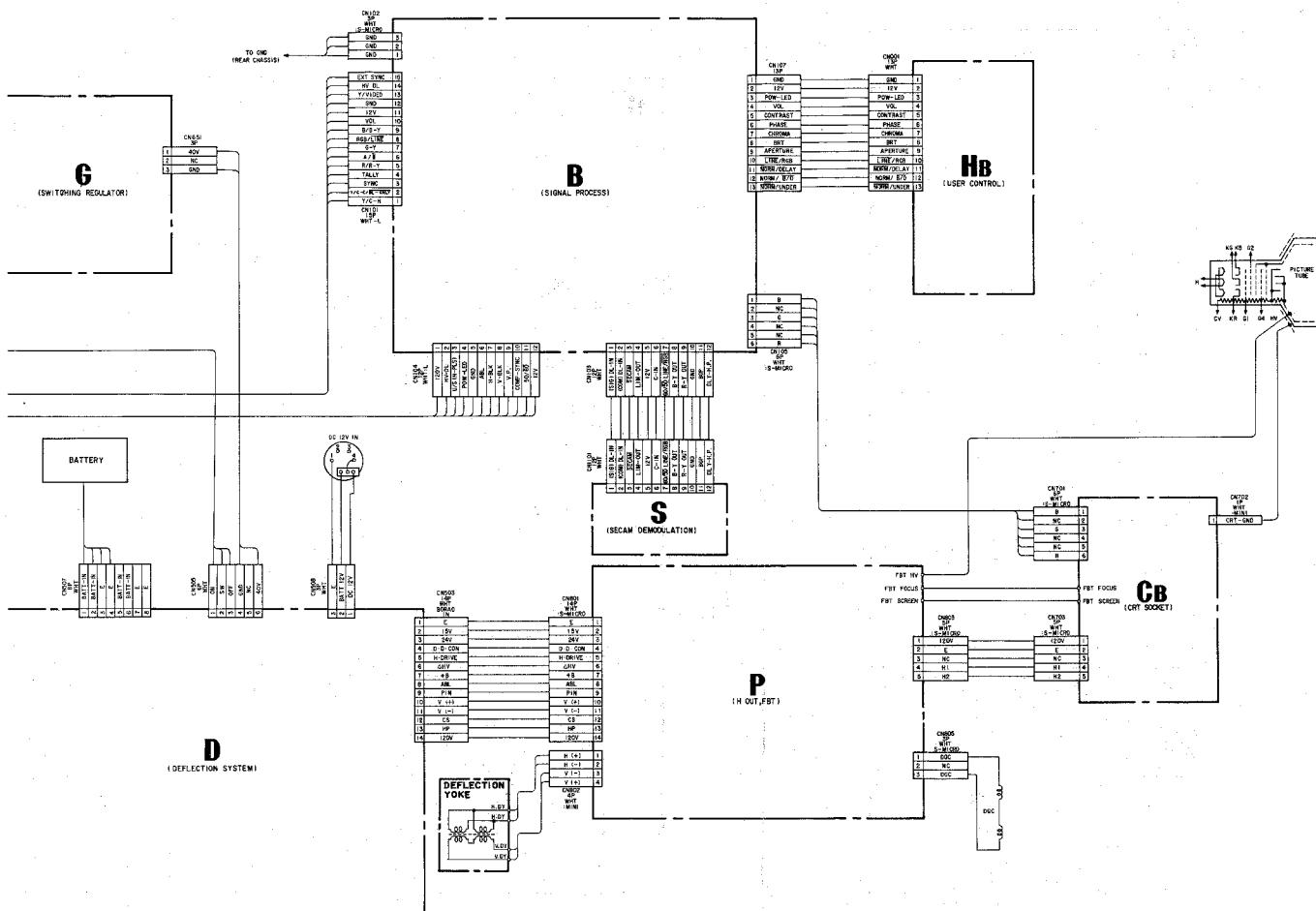
(Adjust for B=D. [less than 20mV]. Also level difference between B and C should be less than 60mV.)

SECTION 6

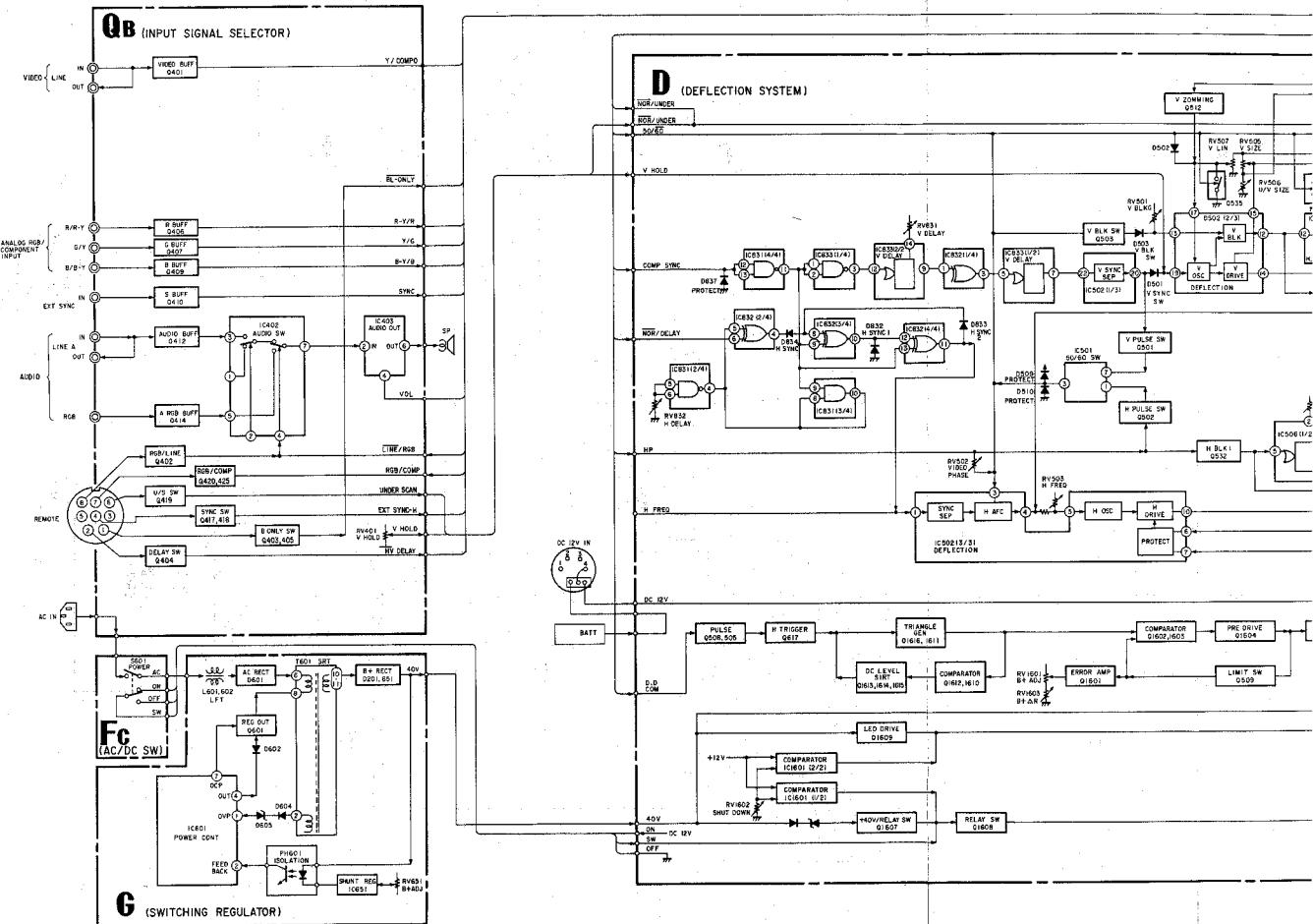
DIAGRAMS

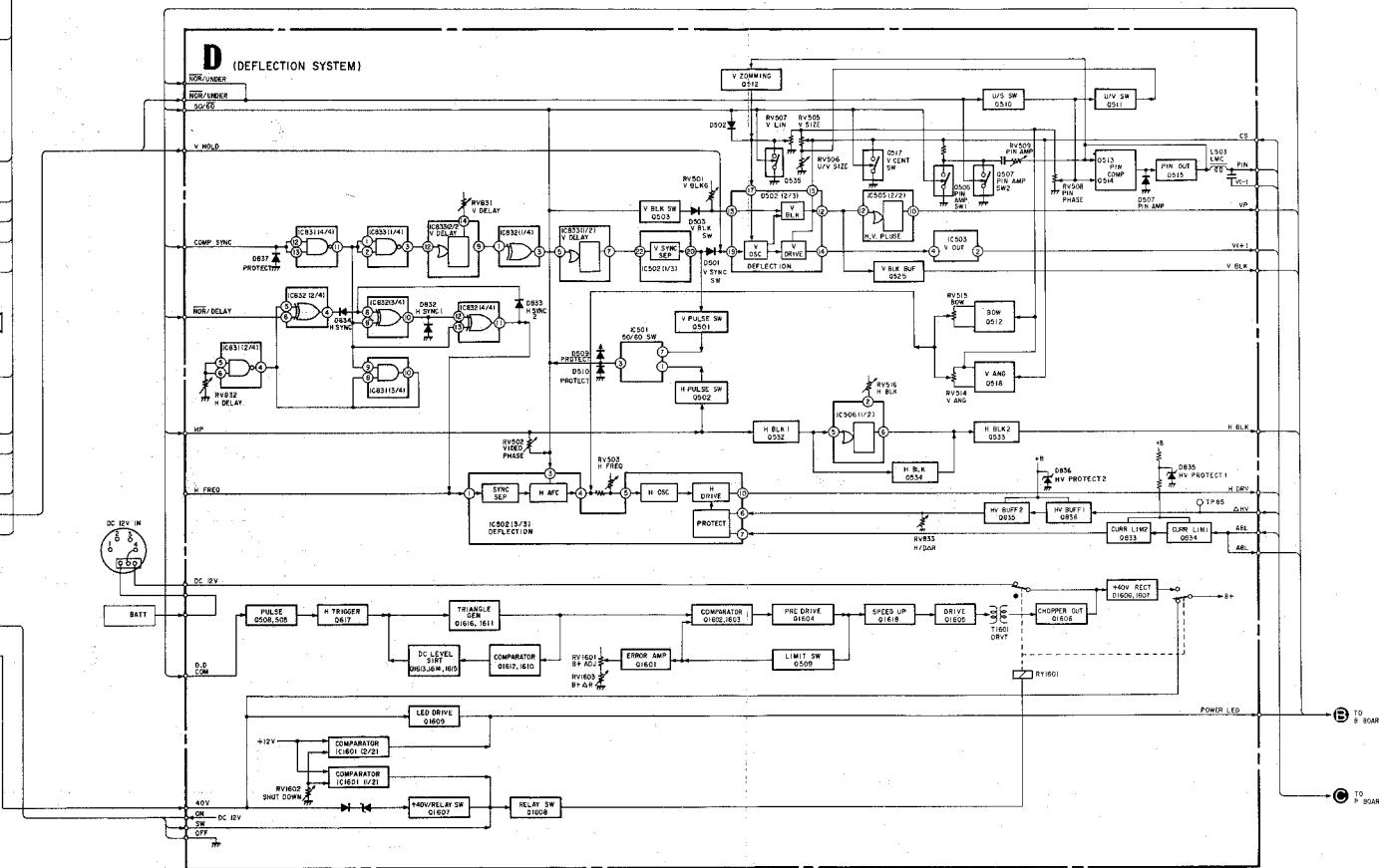
6-1. FRAME SCHEMATIC DIAGRAM



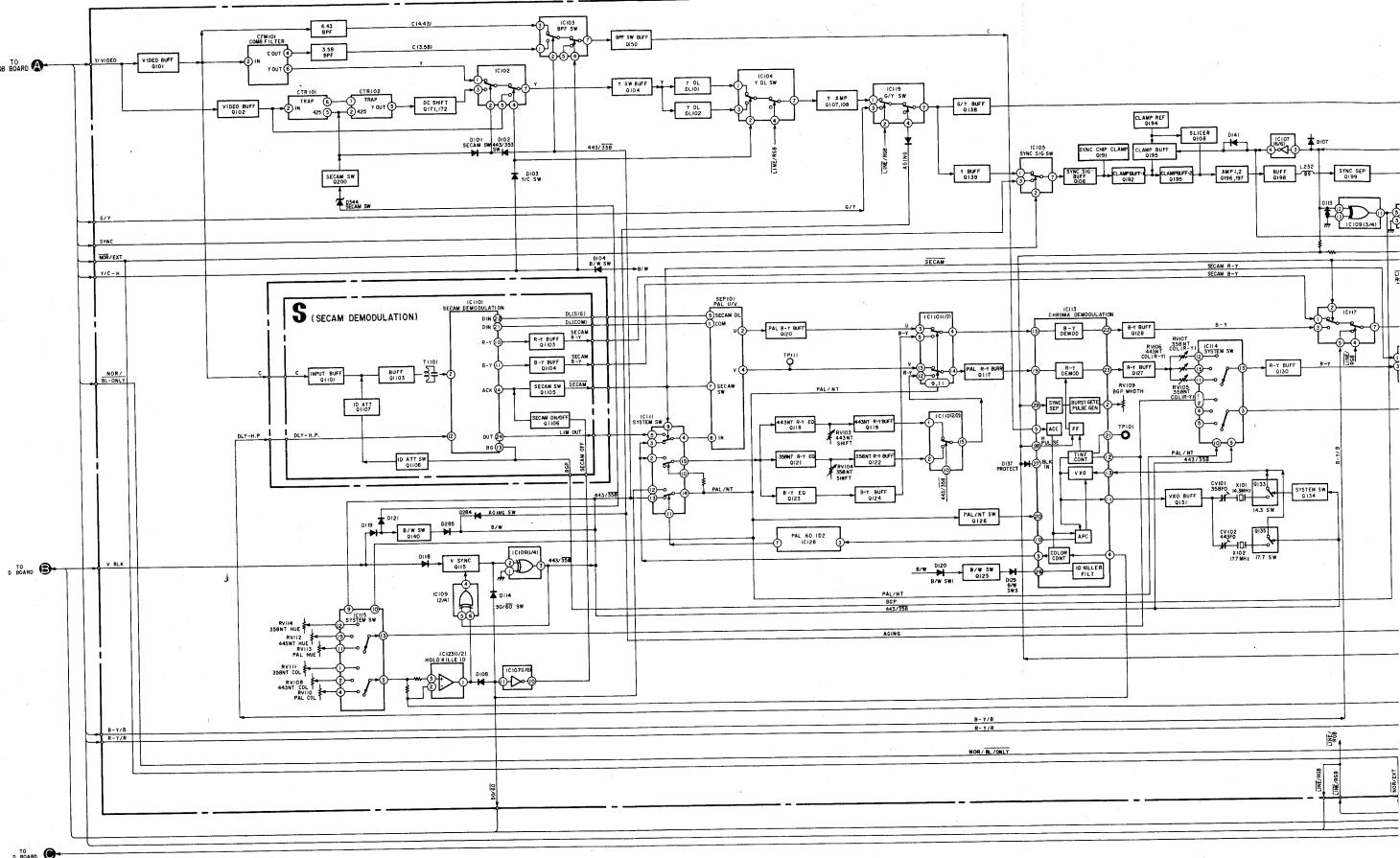


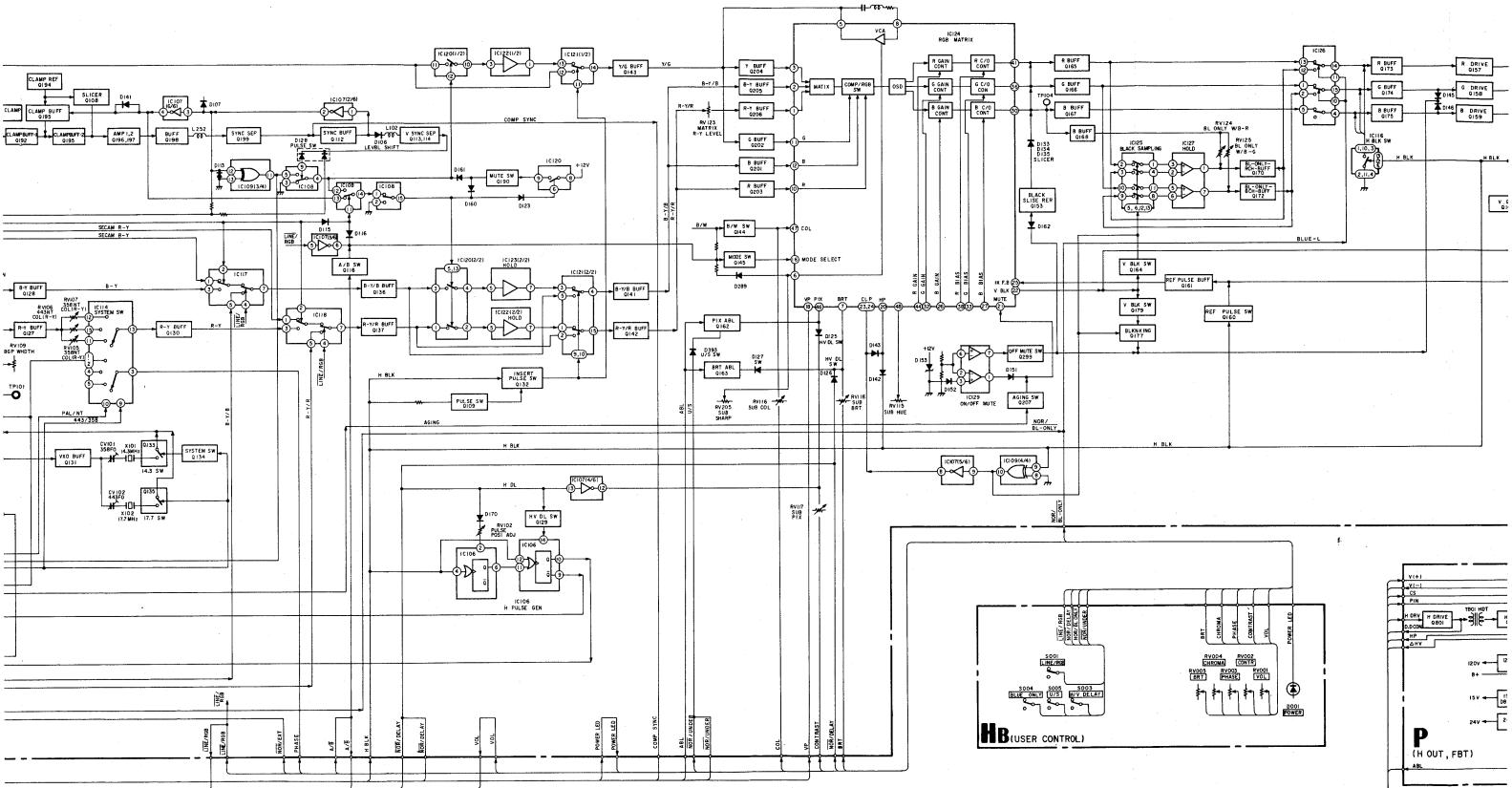
6-2. BLOCK DIAGRAM (1)

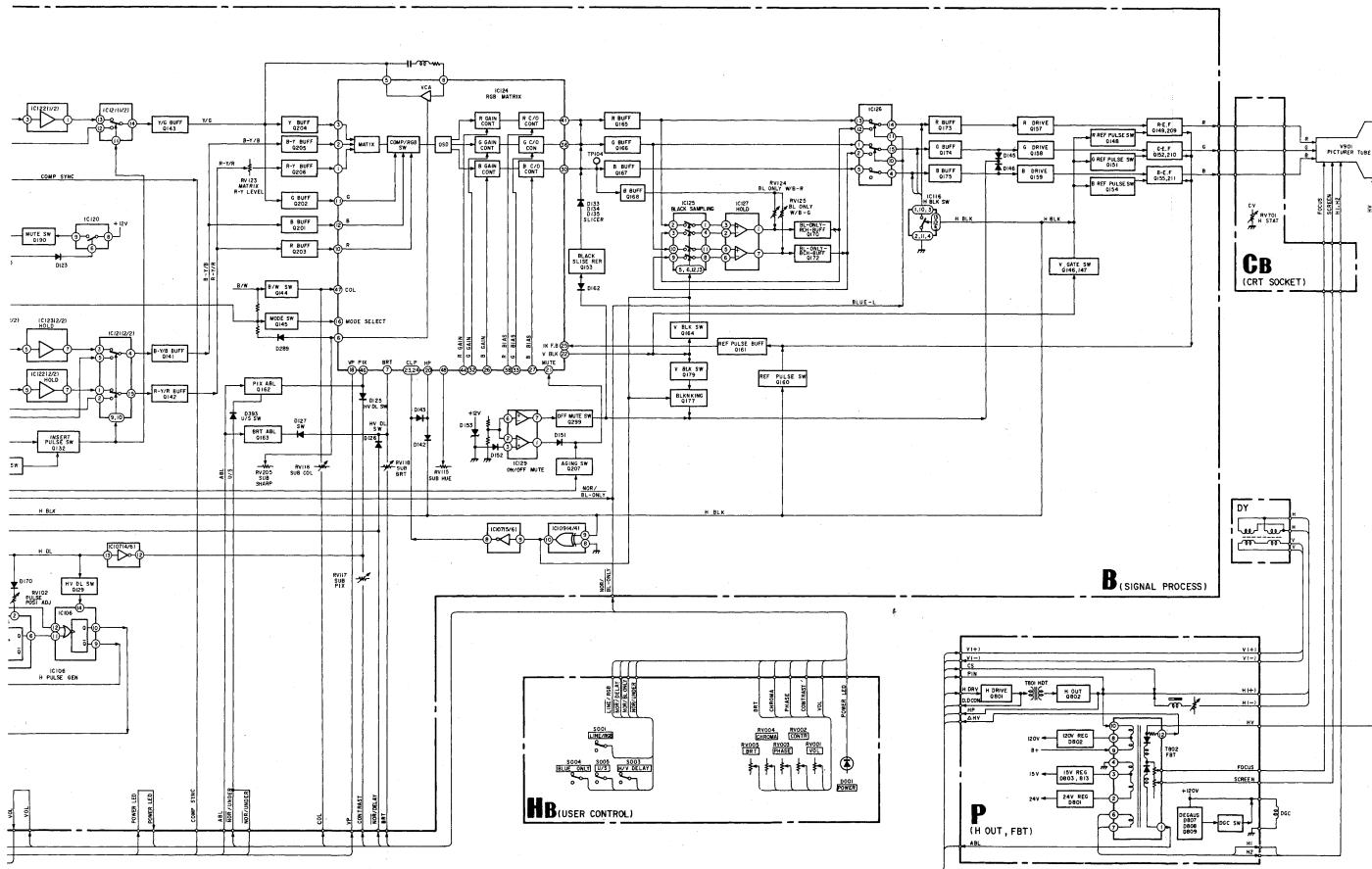




6-3. BLOCK DIAGRAM (2)

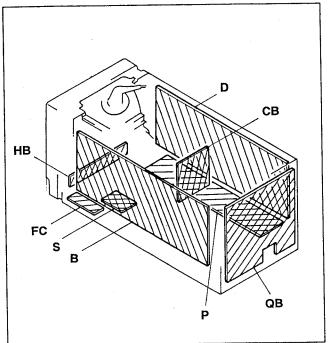






P [H OUT, FBT]**G** [SWITCHING REGULATOR]**S** [SECAM DEMODULATION]**Fc** [AC/DC SWITCH]**Hb** [USER CONTI]

6-4. CIRCUIT BOARDS LOCATION



6-5. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted. pF: μF 50 V or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.
- Pitch: 5 mm
Rating electrical power $\frac{1}{4} \text{W}$
- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by **H** in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by **G**, make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by **H** and repeat the adjustment until the specified value is achieved. (Refer to RV651, RV1803, and RV833 adjust on page 18 and 19.)
- When replacing the part in below table be sure to perform the related adjustment.

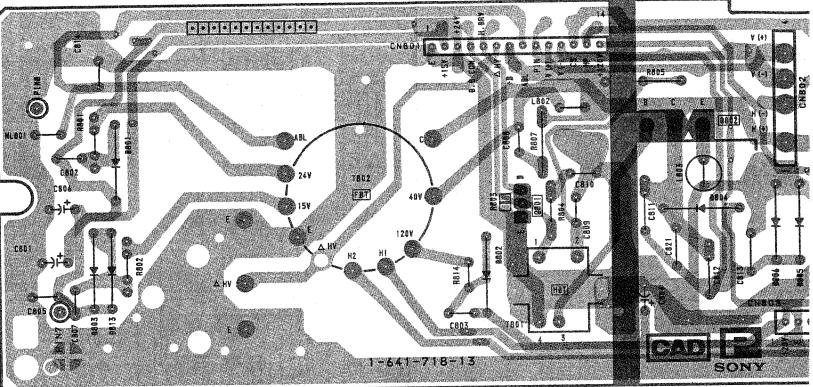
Part replaced (■)	Adjustment (☒)
IC601, IC651, PH602, C654, R653, R655, R656, R657, RV651	RV651 (B+ MAX)
C1601, C1602, G1603, D1601, D1602, D1603, D1604, D1605, C1606, R1601, R1602, R1603, R1604, R1605, R1606, R1607, R1608, R1628, R1630, RV1601, RV1603	RV1803 (B+ MAX IN DC POWER INPUT MODE)
IC502, Q833, Q834, Q835, Q836, D835, D836, C519, C814, C843, C844, C845, C846, C847, C848, R833, R523, R861, R862, R852, R853, R855, R526, R857, R858, R859, R861, R862, R863, NL881	R833 (HOLD-DOWN)

- All voltages are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Readings are taken with a PAL color-bar signal input.
- : adjustment for repair.
- Voltage variations may be noted due to normal production tolerance.
- : B + bus.
- : B - bus.
- : signal path.
- No mark: with PAL color-bar signal received or common voltage.
- () : with SECAM color-bar signal received.
- < > : with NTSC 3.58 color-bar signal received.
- ()) : with NTSC 4.43 color-bar signal received.
- [] : with S/VIDEO color-bar signal received.
- [] : with analog RGB color-bar signal received.
- [] >> : with component color-bar signal received.
- [] * : measurement impossibility

Reference information

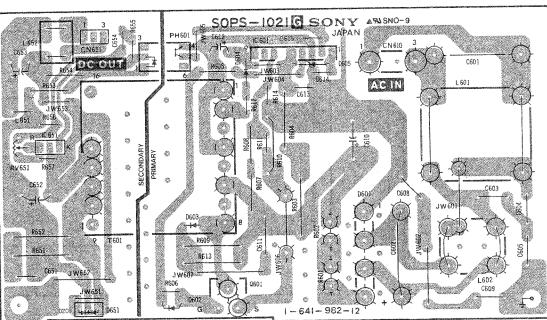
RESISTOR	: R	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE CEMENT
COIL	: LF-6L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALLIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

- P Board -



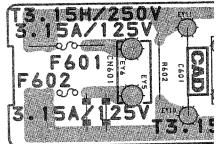
1-641-718-13

- G Board -



-41-

- FC Board -



1.5A/250V
3.15A/125V
F601
F602
3.15A/125V
T3-15

-42-

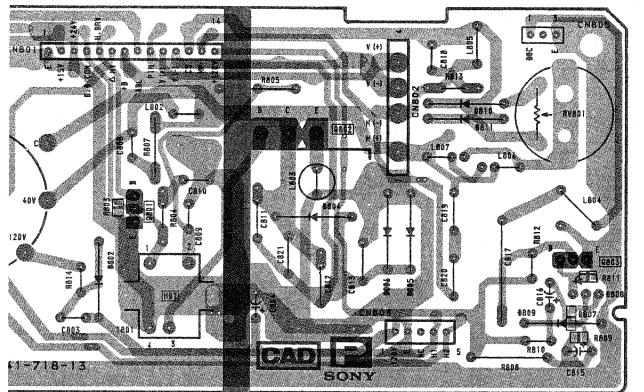
[ECAM DEMODULATION] **Fc** [AC/DC SWITCH] **Hb** [USER CONTROL]

Fc

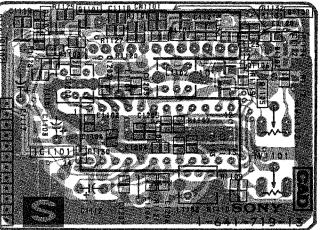
[AC/DC SWITCH]

НВ

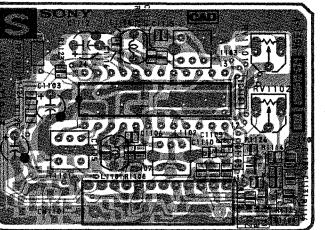
[SER CONTROL]



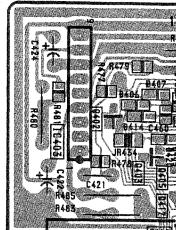
— S Board — — Conductor Side —



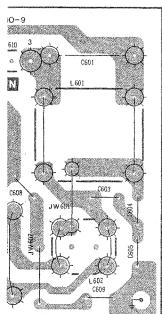
S Board — — Component Side —



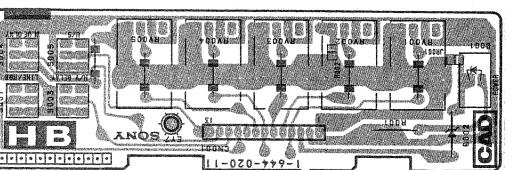
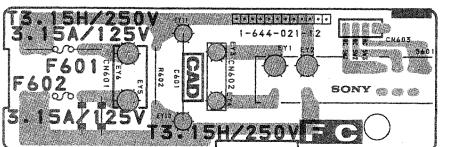
— QB Board —



- FC Board -

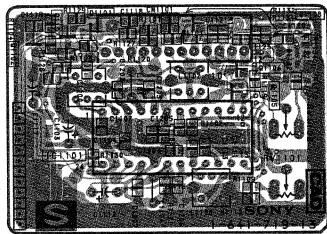


HB Board -

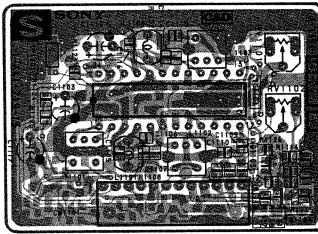


QB [INPUT SIGNAL SELECTOR]

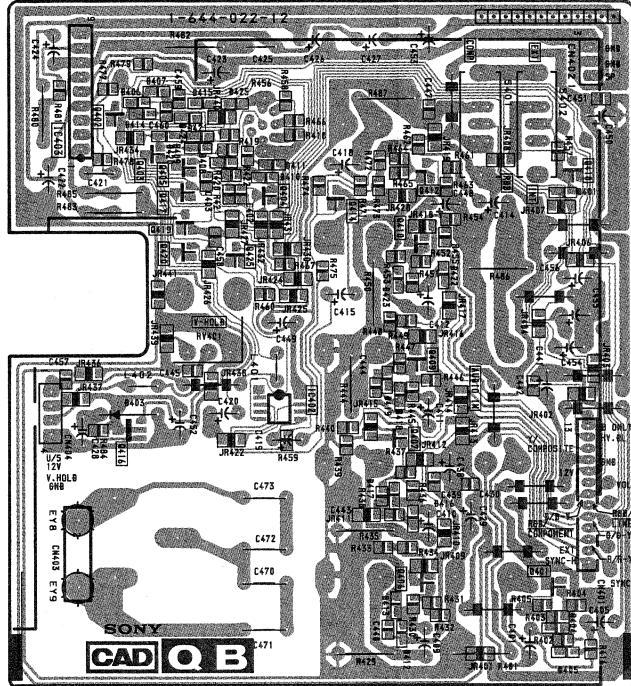
— S Board — — Conductor Side —



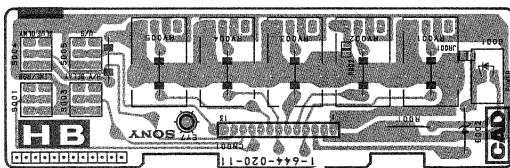
— S Board — — Component Side —



- QB Board -



- HB Board -



A

B

C

D

E

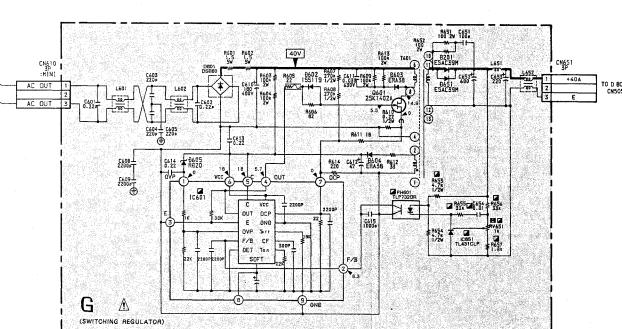
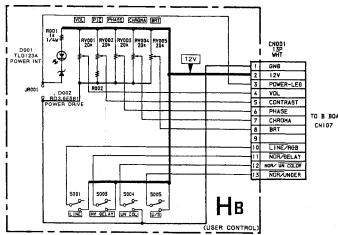
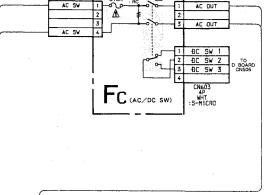
F

G

H

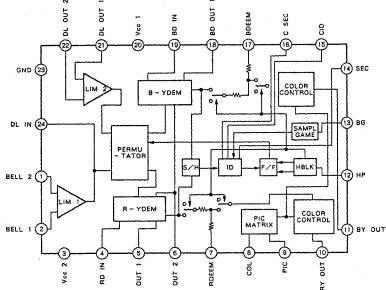
1

<img alt="Detailed schematic diagram of a video signal processing board, likely a VHS recorder or player. The diagram shows various input and output paths for composite video (Y/C), S-video (S-VHS), and digital (DVI) signals. Key components include a Q-BIN SELECTOR, a large central processing section with multiple video path switches, and a DVI/HDMI interface at the bottom. Numerous ICs like U1-U10, U12-U14, U16-U18, U20-U22, U24-U26, U28-U30, U32-U34, U36-U38, U40-U42, U44-U46, U48-U50, U52-U54, U56-U58, U60-U62, U64-U66, U68-U70, U72-U74, U76-U78, U80-U82, U84-U86, U88-U90, U92-U94, U96-U98, U100-U102, U104-U106, U108-U110, U112-U114, U116-U118, U120-U122, U124-U126, U128-U130, U132-U134, U136-U138, U140-U142, U144-U146, U148-U150, U152-U154, U156-U158, U160-U162, U164-U166, U168-U170, U172-U174, U176-U178, U180-U182, U184-U186, U188-U190, U192-U194, U196-U198, U198-U200, U202-U204, U206-U208, U210-U212, U214-U216, U218-U220, U222-U224, U226-U228, U230-U232, U234-U236, U238-U240, U242-U244, U246-U248, U250-U252, U254-U256, U258-U260, U262-U264, U266-U268, U270-U272, U274-U276, U278-U280, U282-U284, U286-U288, U290-U292, U294-U296, U298-U300, U302-U304, U306-U308, U310-U312, U314-U316, U318-U320, U322-U324, U326-U328, U330-U332, U334-U336, U338-U340, U342-U344, U346-U348, U350-U352, U354-U356, U358-U360, U362-U364, U366-U368, U370-U372, U374-U376, U378-U380, U382-U384, U386-U388, U390-U392, U394-U396, U398-U398, U402-U404, U406-U408, U410-U412, U414-U416, U418-U418, U422-U424, U426-U428, U430-U432, U434-U436, U438-U438, U442-U444, U446-U448, U450-U452, U454-U456, U458-U458, U462-U464, U466-U468, U470-U472, U474-U476, U478-U478, U482-U484, U486-U488, U490-U492, U494-U496, U498-U498, U502-U504, U506-U508, U510-U512, U514-U516, U518-U518, U522-U524, U526-U528, U530-U532, U534-U536, U538-U538, U542-U544, U546-U548, U550-U552, U554-U556, U558-U558, U562-U564, U566-U568, U570-U572, U574-U576, U578-U578, U582-U584, U586-U588, U590-U592, U594-U596, U598-U598, U602-U604, U606-U608, U610-U612, U614-U616, U618-U618, U622-U624, U626-U628, U630-U632, U634-U636, U638-U638, U642-U644, U646-U648, U650-U652, U654-U656, U658-U658, U662-U664, U666-U668, U670-U672, U674-U676, U678-U678, U682-U684, U686-U688, U690-U692, U694-U696, U698-U698, U702-U704, U706-U708, U710-U712, U714-U716, U718-U718, U722-U724, U726-U728, U730-U732, U734-U736, U738-U738, U742-U744, U746-U748, U750-U752, U754-U756, U758-U758, U762-U764, U766-U768, U770-U772, U774-U776, U778-U778, U782-U784, U786-U788, U790-U792, U794-U796, U798-U798, U802-U804, U806-U808, U810-U812, U814-U816, U818-U818, U822-U824, U826-U828, U830-U832, U834-U836, U838-U838, U842-U844, U846-U848, U850-U852, U854-U856, U858-U858, U862-U864, U866-U868, U870-U872, U874-U876, U878-U878, U882-U884, U886-U888, U890-U892, U894-U896, U898-U898, U902-U904, U906-U908, U910-U912, U914-U916, U918-U918, U922-U924, U926-U928, U930-U932, U934-U936, U938-U938, U942-U944, U946-U948, U950-U952, U954-U956, U958-U958, U962-U964, U966-U968, U970-U972, U974-U976, U978-U978, U982-U984, U986-U988, U990-U992, U994-U996, U998-U998, U1002-U1004, U1006-U1008, U1010-U1012, U1014-U1016, U1018-U1018, U1022-U1024, U1026-U1028, U1030-U1032, U1034-U1036, U1038-U1038, U1042-U1044, U1046-U1048, U1050-U1052, U1054-U1056, U1058-U1058, U1062-U1064, U1066-U1068, U1070-U1072, U1074-U1076, U1078-U1078, U1082-U1084, U1086-U1088, 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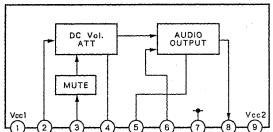


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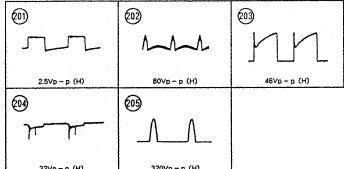
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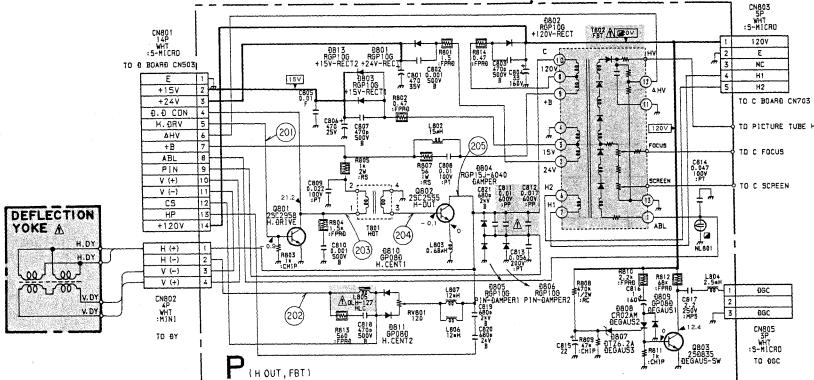
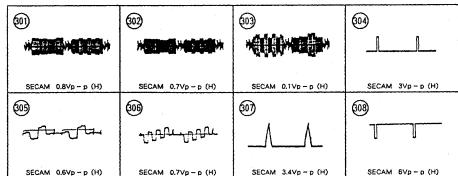
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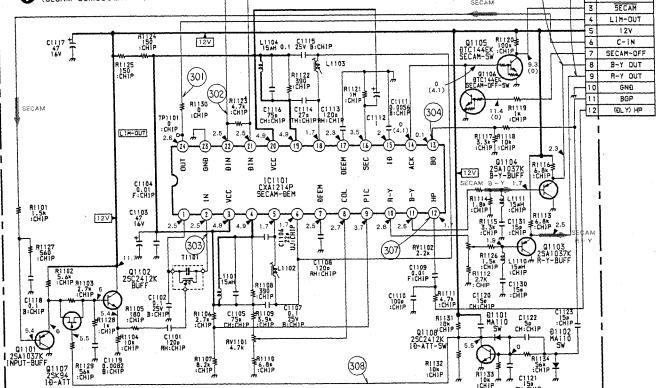


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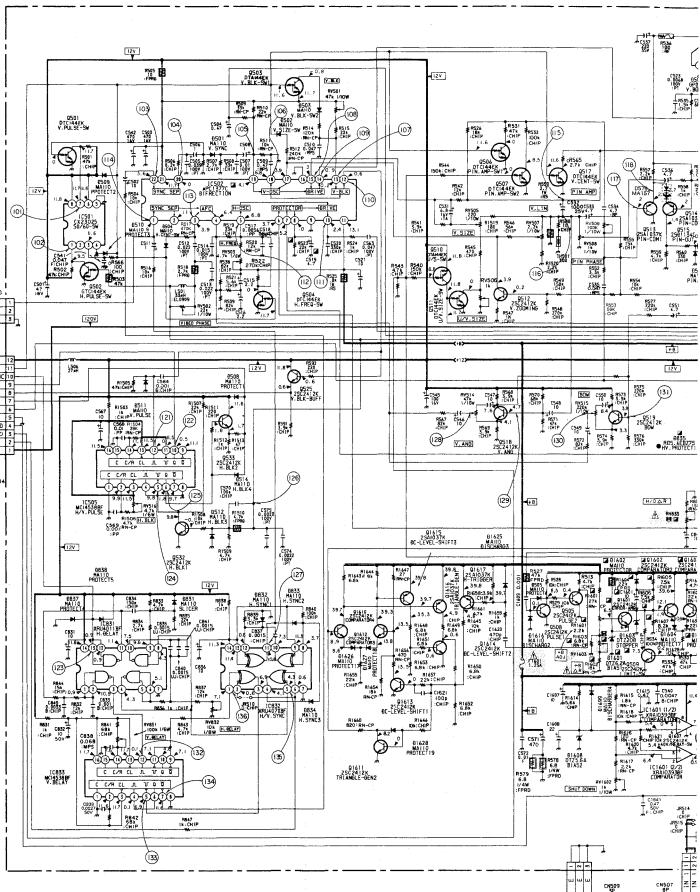
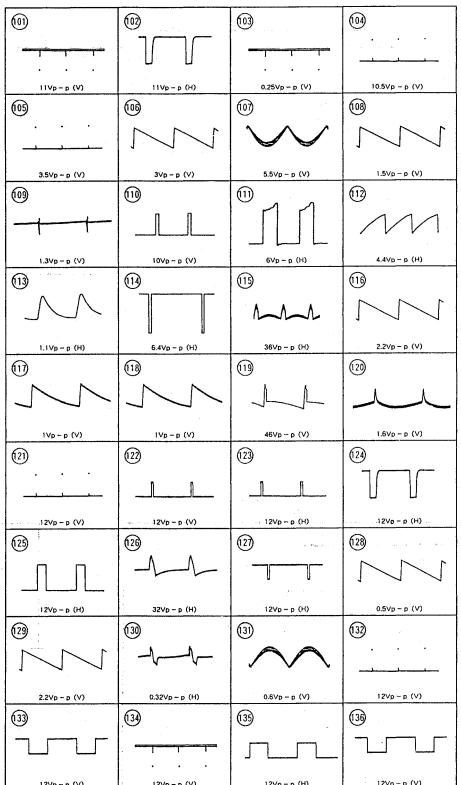


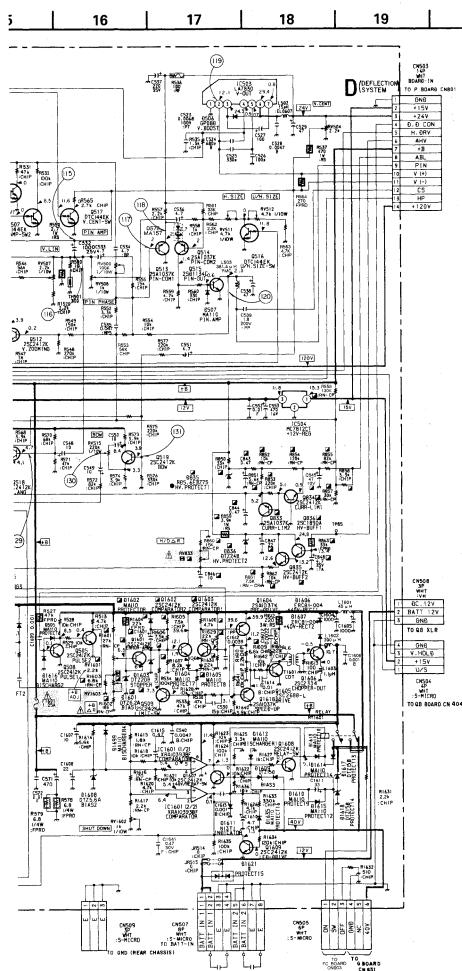
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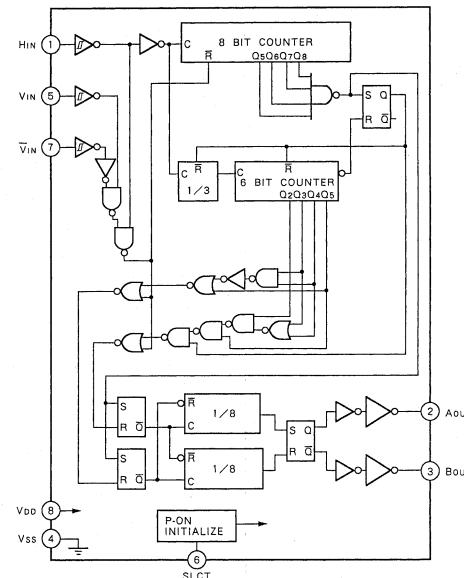


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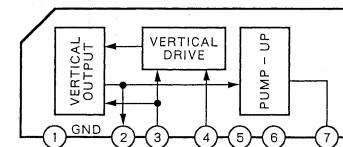




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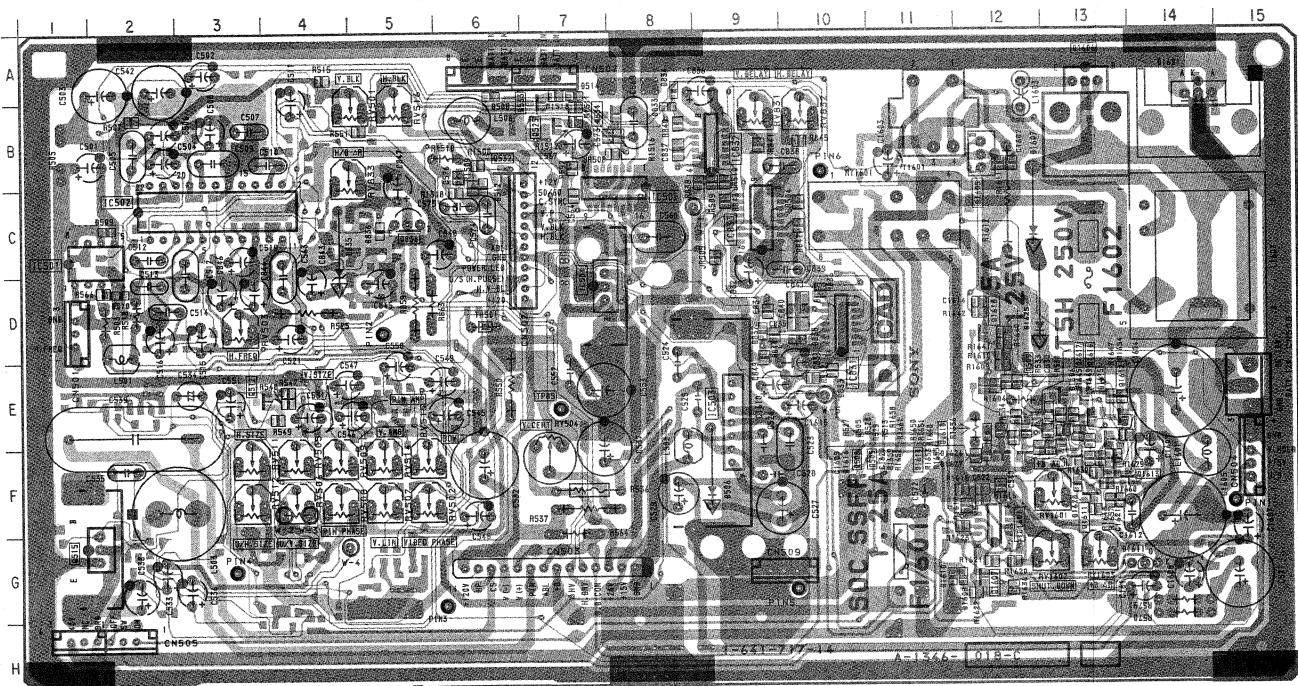


D BOARD IC503 LA7830



D [DEFLECTION SYSTEM]

— D Board — Component Side —



D Board (Component Side)

IC
IC605 C = 6
IC631 D = 10
IC632 B = 9
IC633 C = 9
IC1601 F = 12

TRANSISTOR

Q605 F = 12
Q609 F = 12
Q509 E = 12
Q512 E = 4
Q525 B = 7
Q535 B = 6
Q536 A = 7
Q1607 G = 12
Q1610 E = 13
Q1611 F = 13
Q1612 E = 13
Q1613 F = 14
Q1614 E = 13
Q1615 E = 13
Q1616 E = 13
Q1617 E = 13
Q1618 D = 12

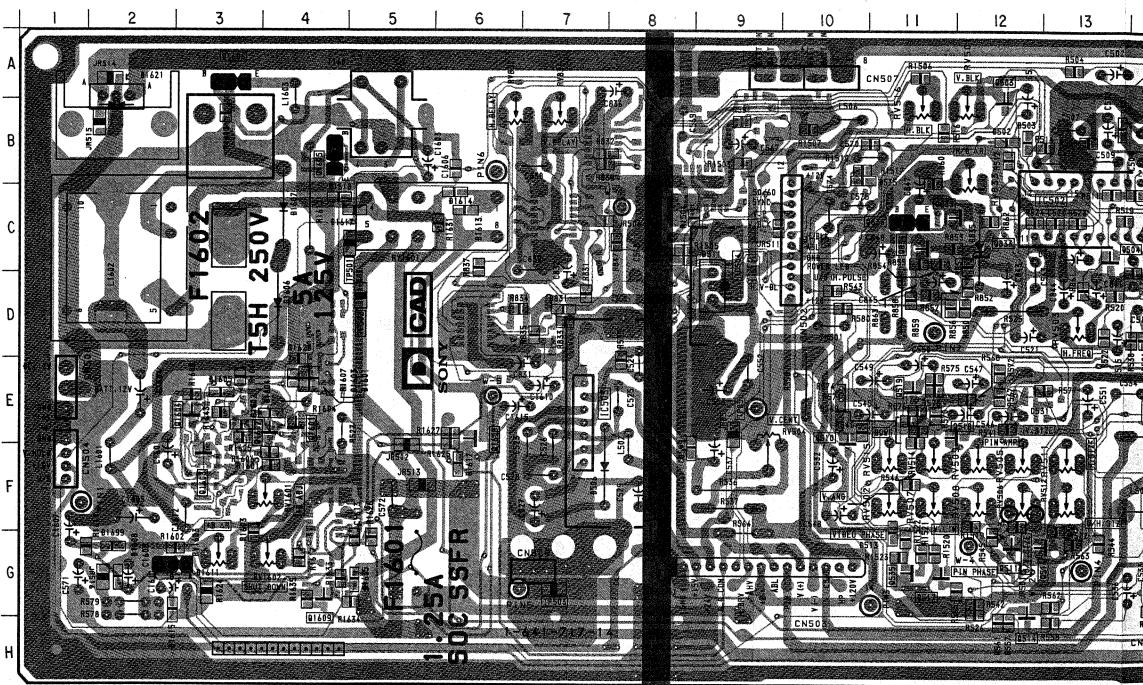
DIODE

D605 E = 12
D509 A = 6
D509 C = 2
D510 D = 2
D514 A = 7
D533 B = 8
D534 A = 8
D535 C = 5
D537 D = 9
D538 D = 10
D1605 E = 13
D1609 G = 12
D1610 G = 11
D1611 G = 14
D1615 E = 10
D1625 D = 12
D1626 F = 13
D1627 F = 13
D1628 F = 13

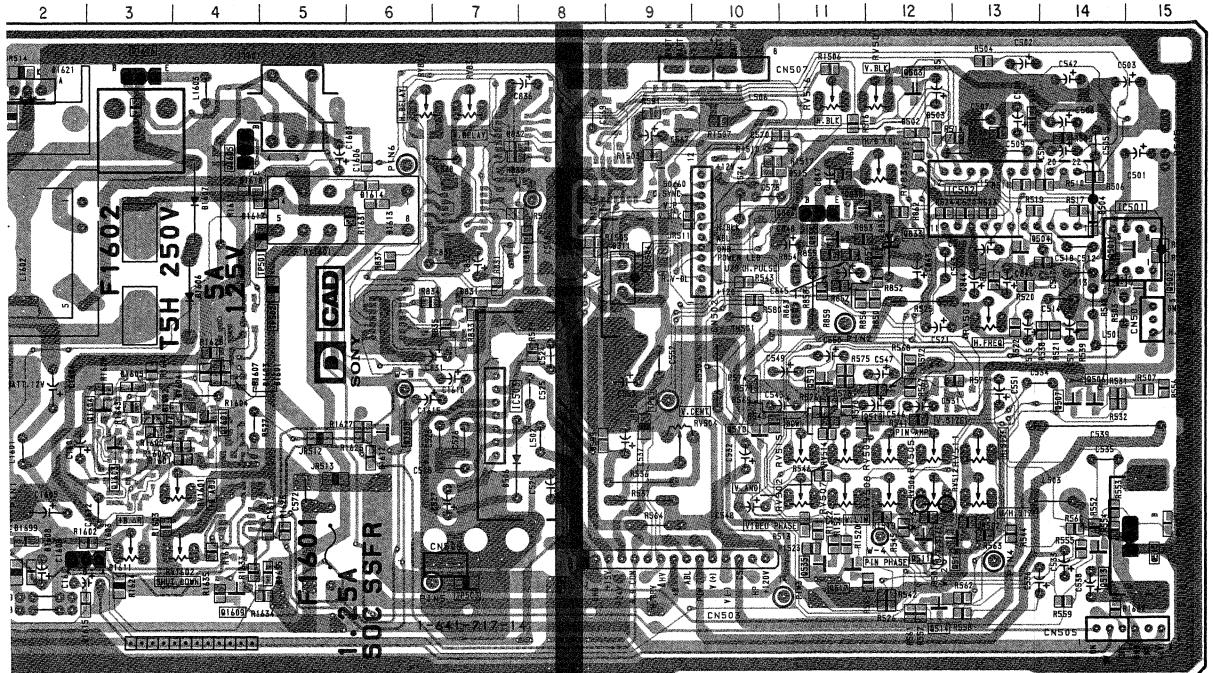
D Board (Component Side)

	IC
IC505	C - 8
IC831	D - 10
IC832	B - 10
IC833	C - 9
IC1601	F - 12
	TRANSISTOR
D505	F - 12
D508	E - 12
D509	E - 12
D512	E - 4
D524	B - 7
D538	B - 6
D539	A - 7
D610	E - 13
D611	F - 13
D612	E - 13
D614	F - 14
D614A	F - 13
D615	E - 13
D616	E - 13
D617	D - 12
	DIODE
D505	E - 12
D508	A - 6
D509	C - 2
D512	A - 7
D833	B - 8
D834	A - 8
D834A	C - 5
D835	D - 9
D1605	G - 10
D1609	G - 12
D1610	G - 11
D1611	G - 14
D1611A	F - 10
D1625	D - 12
D1626	F - 13
D1627	F - 13
D1628	F - 13

— D Board — — Conductor Side —



- Conductor Side -

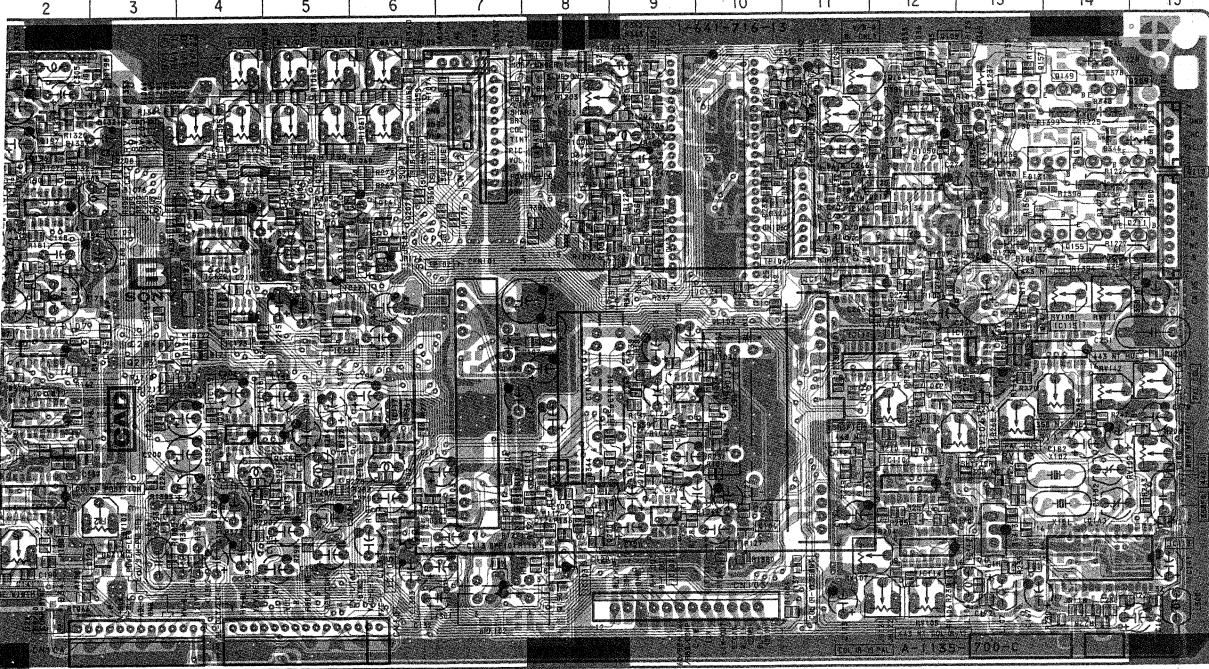


D Board (Conductor Side)

IC	
Q501	C - 15
Q502	D - 15
Q503	E - 7
Q504	D - 9
Q505	C - 15
Q506	D - 15
Q507	E - 10
Q510	E - 10
Q511	G - 12
Q513	G - 14
Q514	G - 12
Q515	G - 15
Q516	G - 13
Q517	E - 12
Q518	E - 11
Q533	C - 12
Q534	C - 11
Q535	C - 12
Q561	E - 4
Q562	E - 4
Q564	E - 3
Q565	F - 6
Q566	D - 6
Q567	D - 6
Q568	G - 6
Q569	G - 2
Q570	C - 4
Q571	C - 4
Q572	G - 5
Q573	G - 2
Q574	F - 6
Q575	F - 12
Q576	F - 12
Q577	F - 12
Q578	F - 12
Q579	F - 12
Q580	F - 12
Q581	F - 13
Q582	F - 13
Q583	F - 11
Q584	F - 11
Q585	F - 11
Q586	F - 11
Q587	F - 11
Q588	F - 11
Q589	F - 11
Q590	F - 11
Q591	F - 11
Q592	F - 11
Q593	B - 7
Q594	B - 6
Q595	B - 12
Q596	F - 4
Q597	G - 4
Q598	G - 3
RV501	B - 12
RV502	F - 11
RV503	D - 13
RV504	E - 9
RV505	F - 12
RV506	F - 12
RV507	F - 12
RV508	F - 12
RV514	F - 11
RV515	F - 11
RV516	F - 11
RV517	F - 11
RV518	F - 11
RV519	F - 11
RV520	F - 11
RV521	F - 11
RV522	F - 11
RV523	F - 11
RV524	F - 11
RV525	F - 11
RV526	F - 11
RV527	F - 11
RV528	F - 11
RV529	F - 11
RV530	F - 11
RV531	B - 7
RV532	B - 6
RV533	B - 12
RV534	F - 4
RV535	G - 4
RV536	G - 3

[OCESS]

- Component Side -



B Board (Component Side)

IC	Q176 F - 9
IC102	G - 9
IC103	G - 8
IC104	E - 9
IC105	E - 6
IC107	D - 2
IC108	E - 2
IC109	C - 2
IC110	E - 12
IC111	E - 11
IC112	G - 13
IC113	G - 14
IC115	G - 12
IC116	E - 14
IC117	F - 6
IC118	F - 5
IC119	F - 4
IC120	C - 4
IC121	C - 5
IC122	C - 3
IC123	D - 4
IC124	C - 10
IC125	C - 12
IC126	B - 12
IC128	E - 13
IC129	B - 4
DIODE	
D107	D - 2
D114	C - 1
D115	B - 1
D119	C - 1
D121	E - 4
D122	D - 4
D123	C - 4
D125	E - 1
D126	D - 13
D131	C - 14
D132	D - 14
D137	G - 11
D138	D - 13
D139	C - 13
D143	C - 9
D146	D - 12
D151	C - 5
D152	B - 4
D153	B - 4
D154	A - 13
D156	C - 13
D157	A - 13
D162	B - 11
D163	D - 12
D164	H - 2
D345	A - 14
D346	B - 14
D347	C - 14
D348	B - 14
D349	D - 14
D350	D - 14
D359	F - 3
TRANSISTOR	
O101	F - 6
O104	G - 10
O109	A - 12
O115	C - 1
O117	C - 12
O121	E - 12
O124	F - 11
O129	G - 3
O132	C - 5
O136	F - 6
O137	F - 5
O141	C - 6
O150	G - 8
O164	B - 12
O166	D - 12
O171	F - 8

- B Boa

A
BC
DE
FG
H

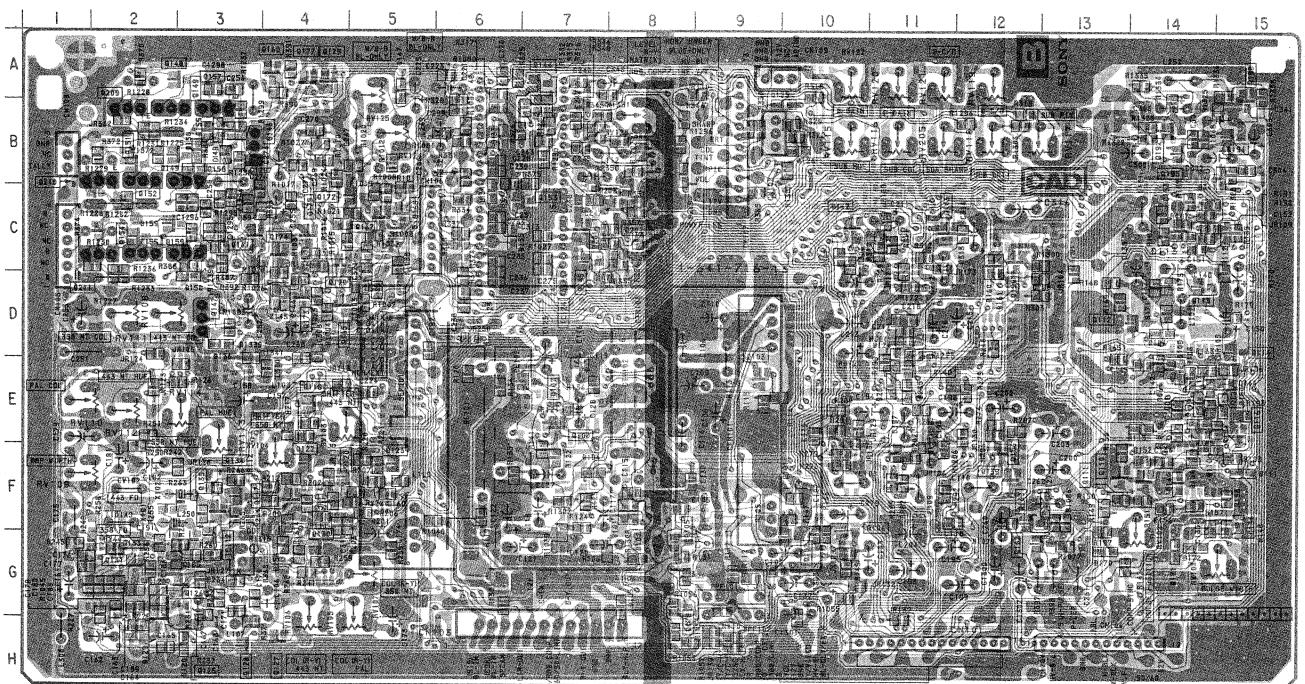
— B Board — — Conductor Side —

Conductor Side)

5	F - 9
1	B - 2
3	B - 1
6	B - 2
7	D - 2
8	A - 3
9	F - 8
4	B - 9
5	A - 9
2	A - 8
8	B - 3
2	C - 11
9	A - 11

DIODE

7	D - 2
4	C - 1
8	C - 1
9	C - 1
2	E - 4
2	D - 4
3	C - 4
8	E - 1
0	B - 13
2	D - 14
2	D - 14
7	G - 11
8	D - 13
9	C - 13
2	C - 9
0	B - 9
3	D - 12
1	C - 5
2	B - 4
3	B - 4
4	B - 13
5	A - 13
2	A - 13
2	B - 11
2	D - 12
3	H - 2
4	F - 8
5	A - 1
2	A - 14
2	C - 14
3	B - 14
3	D - 14
3	F - 3

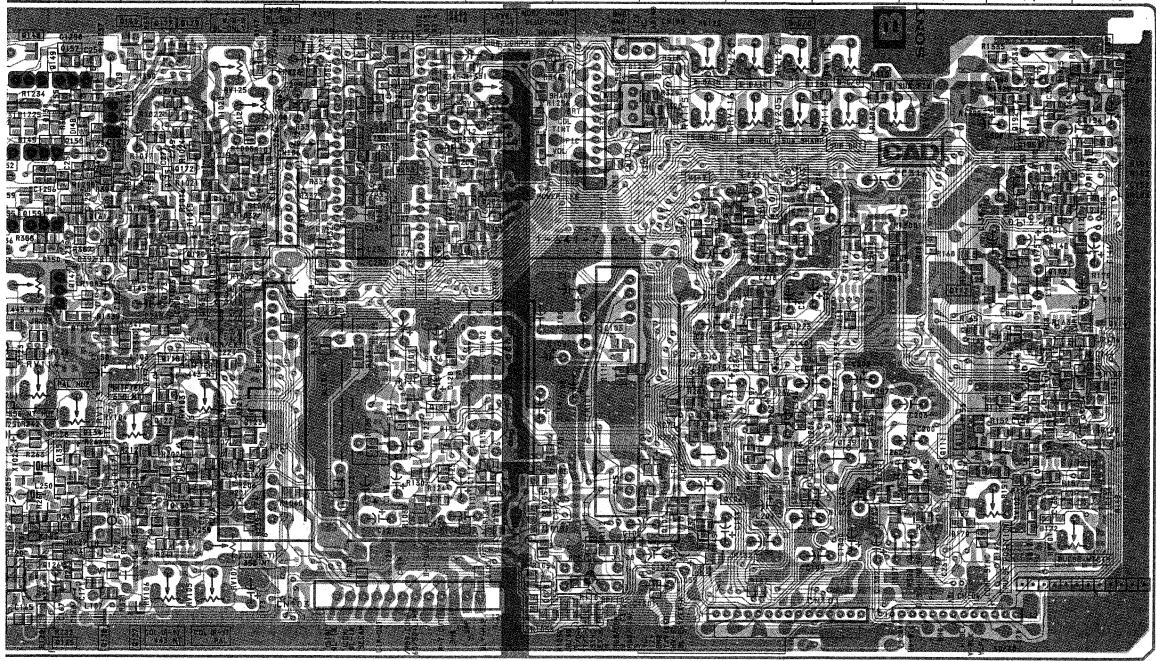


B Board (Cor

Q102	G - 10
Q103	E - 9
Q105	F - 10
Q107	E - 7
Q108	E - 7
Q112	D - 14
Q113	D - 14
Q114	D - 14
Q116	E - 15
Q117	F - 4
Q118	E - 4
Q119	G - 4
Q122	F - 4
Q123	F - 5
Q125	G - 2
Q126	G - 3
Q127	H - 4
Q128	G - 3
Q130	G - 4
Q131	G - 2
Q133	G - 2
Q134	F - 3
Q135	F - 3
Q139	F - 12
Q140	E - 11
Q142	C - 10
Q143	C - 11
Q144	A - 7
Q145	C - 7
Q146	B - 3
Q147	D - 2
Q148	A - 3
Q149	B - 2
Q151	B - 2
Q152	B - 6
Q153	C - 6
Q154	C - 2
Q155	C - 2
Q157	B - 3
Q158	B - 3
Q159	C - 3
Q160	A - 4
Q161	C - 3
Q162	G - 12
Q163	F - 12
Q165	D - 4
Q167	C - 5
Q168	C - 5
Q170	C - 5
Q172	C - 5
Q173	D - 4
Q174	C - 4
Q175	C - 4
Q177	A - 4
Q179	A - 4

ctor Side -

3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15



B Board (Conductor Side)

TRANSISTOR	VARIABLE RESISTOR	
Q100 G - 12		
Q102 G - 10	Q194 B - 15	RV101 G - 15
Q103 E - 9	Q195 B - 14	RV102 F - 14
Q105 F - 10	Q196 A - 15	RV103 E - 4
Q107 E - 7	Q197 B - 14	RV104 F - 4
Q108 E - 7	Q202 C - 8	RV105 G - 6
Q112 D - 14	Q203 C - 8	RV106 H - 4
Q113 D - 14	Q209 B - 2	RV107 G - 5
Q114 D - 15	Q210 B - 2	RV108 D - 2
Q116 E - 15	Q211 C - 2	RV109 F - 1
Q117 F - 4		RV110 E - 1
Q118 F - 4		RV111 D - 2
Q120 F - 4		RV112 E - 2
Q122 F - 4		RV113 E - 3
Q123 F - 5	D101 F - 8	RV114 E - 3
Q125 G - 2	D102 F - 6	RV115 B - 10
Q126 H - 3	D104 F - 9	RV116 B - 11
Q127 H - 3	D105 G - 8	RV117 B - 12
Q128 H - 3	D106 D - 14	RV119 E - 12
Q130 G - 4	D108 E - 14	RV120 A - 11
Q131 G - 2	D109 E - 14	RV121 A - 11
Q133 G - 2	D110 F - 14	RV122 A - 10
Q134 F - 3	D111 F - 15	RV123 B - 8
Q135 F - 3	D112 C - 15	RV124 B - 6
Q139 F - 12	D113 C - 14	RV125 B - 5
Q140 E - 11	D115 E - 14	RV205 B - 11
Q142 C - 10	D116 E - 14	
Q143 C - 11	D117 E - 14	
Q144 A - 7	D120 H - 3	
Q145 B - 3	D125 B - 9	
Q146 B - 3	D126 B - 10	
Q147 D - 3	D127 F - 13	
Q148 A - 3	D129 H - 2	
Q149 B - 2	D130 G - 3	
Q151 B - 2	D134 C - 6	
Q152 C - 6	D135 C - 6	
Q153 C - 6	D136 D - 3	
Q154 C - 2	D144 D - 4	
Q155 C - 2	D150 D - 4	
Q157 B - 3	D147 A - 5	
Q158 B - 3	D148 B - 3	
Q159 B - 3	D149 B - 2	
Q160 A - 4	D150 D - 3	
Q161 C - 3	D155 B - 3	
Q162 G - 12	D156 B - 3	
Q163 F - 12	D159 C - 2	
Q165 D - 4	D160 C - 12	
Q167 C - 5	D161 C - 12	
Q168 C - 5	D170 G - 13	
Q170 C - 4	D171 G - 14	
Q172 C - 5	D175 G - 14	
Q173 D - 4	D265 E - 11	
Q174 C - 4	D288 B - 8	
Q175 C - 4	D341 B - 15	
Q177 A - 4		
Q178 A - 4		

1 | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16**

A

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D

F

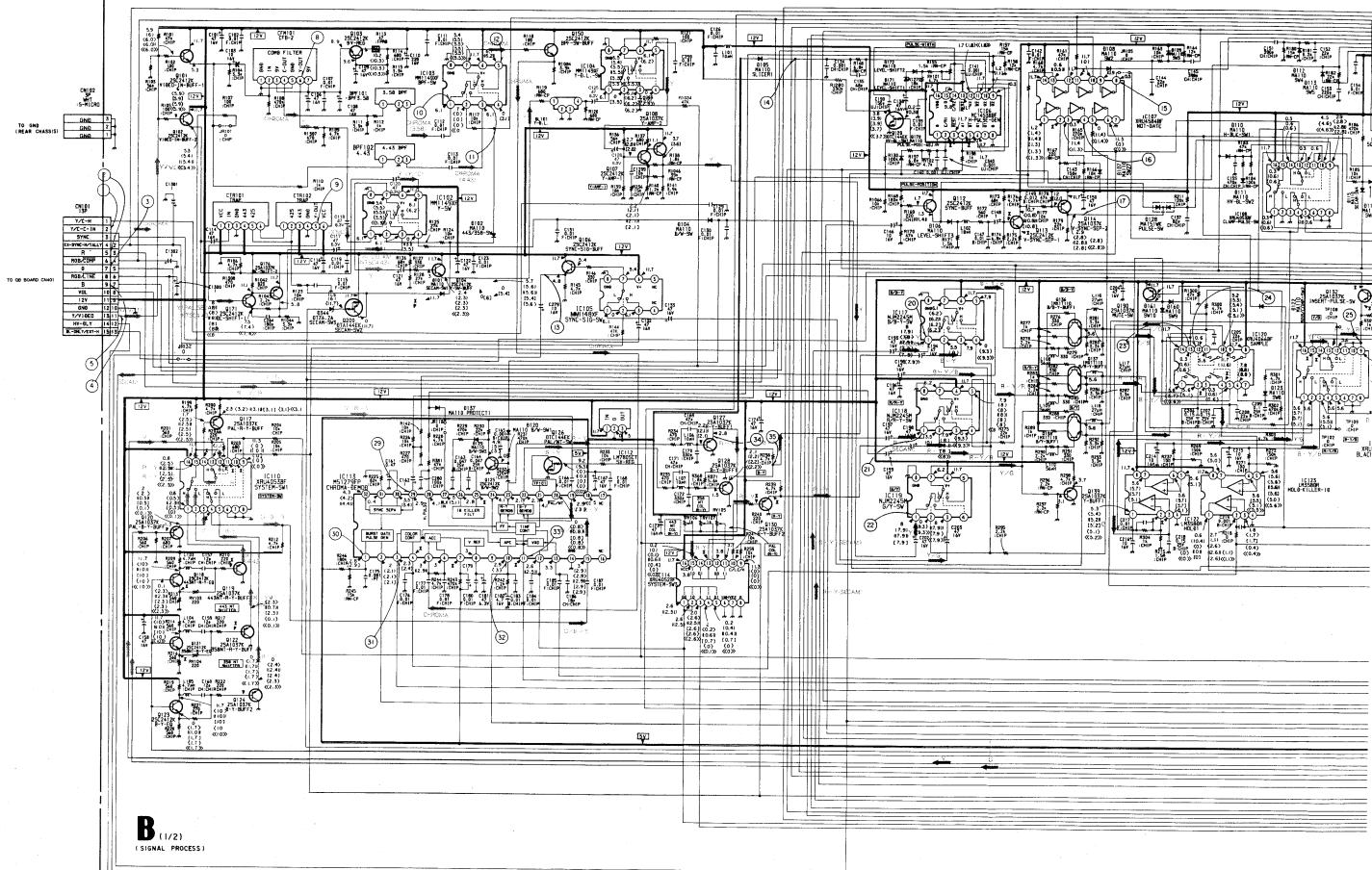
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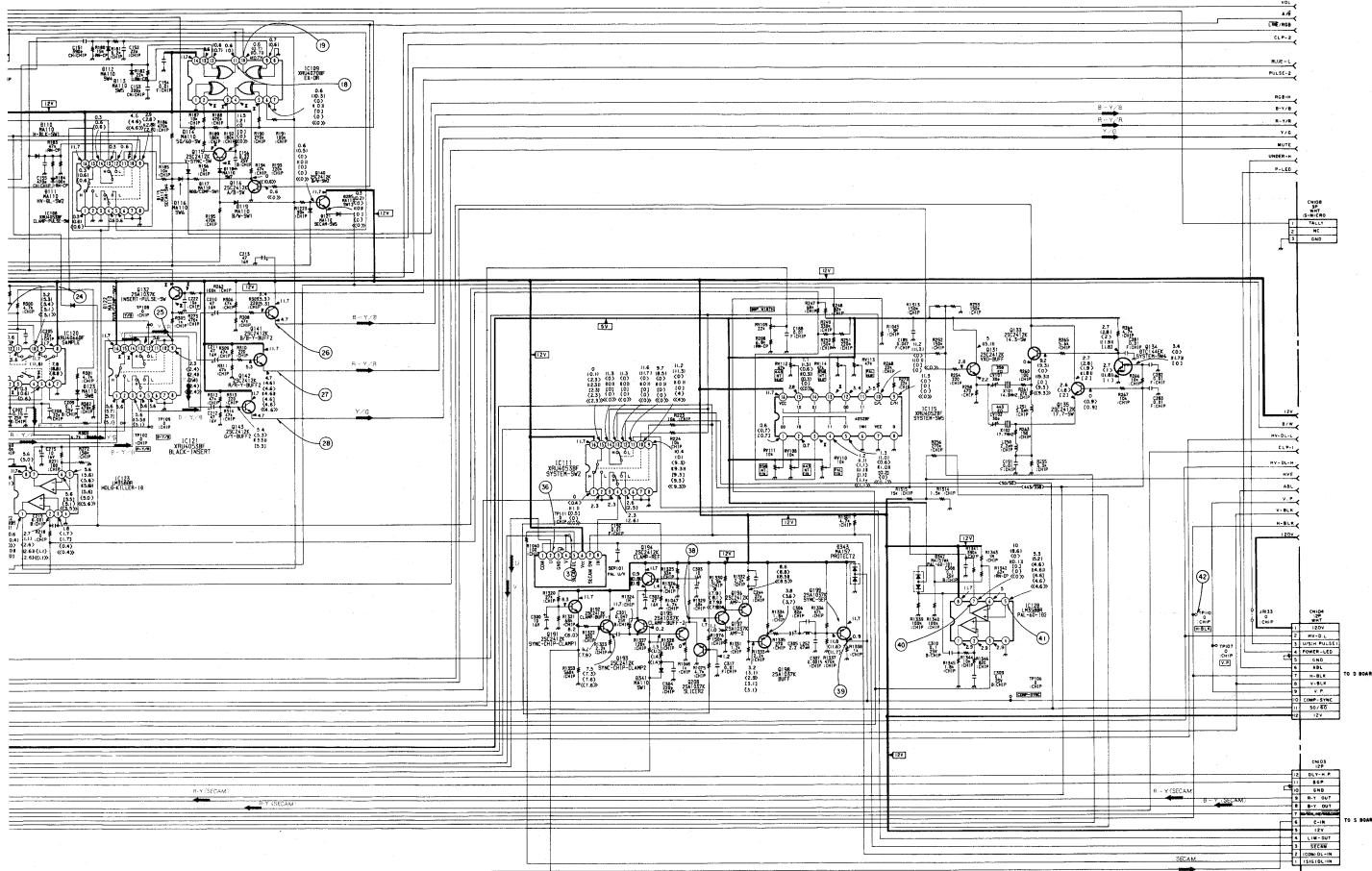
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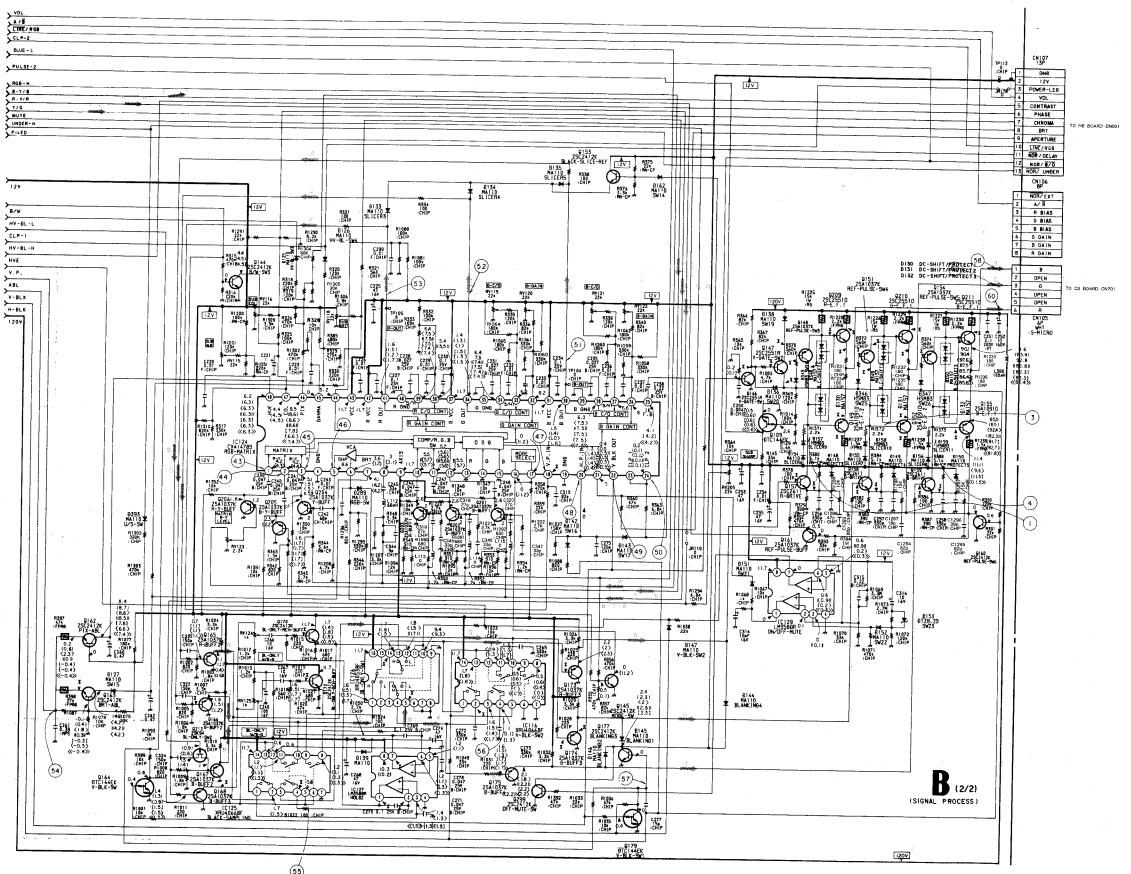
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15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30



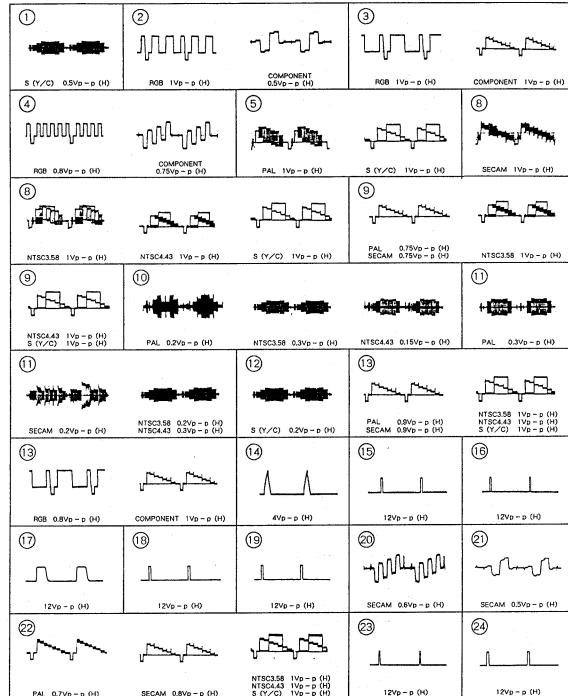


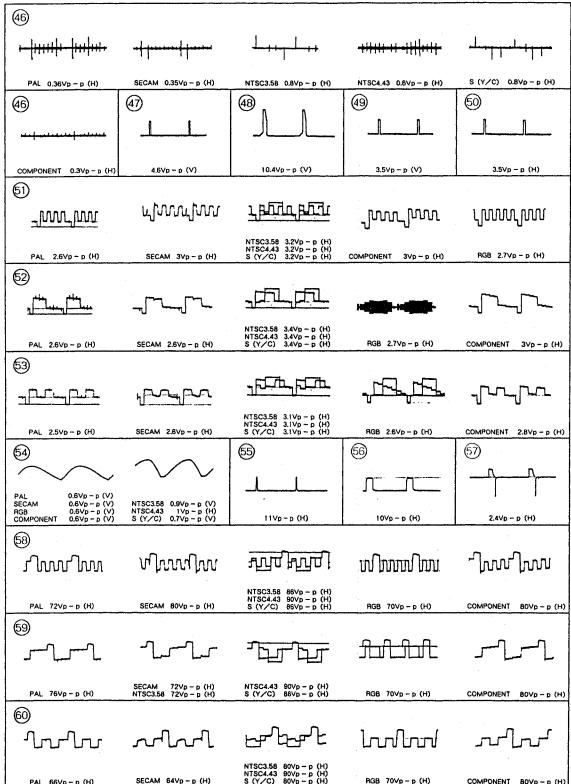
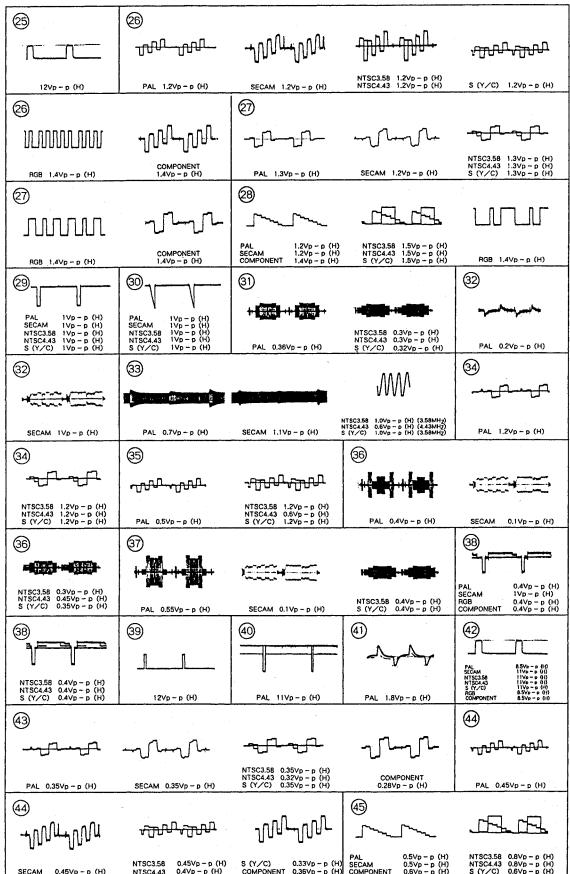
B (2/2)
MAIL PROCESS

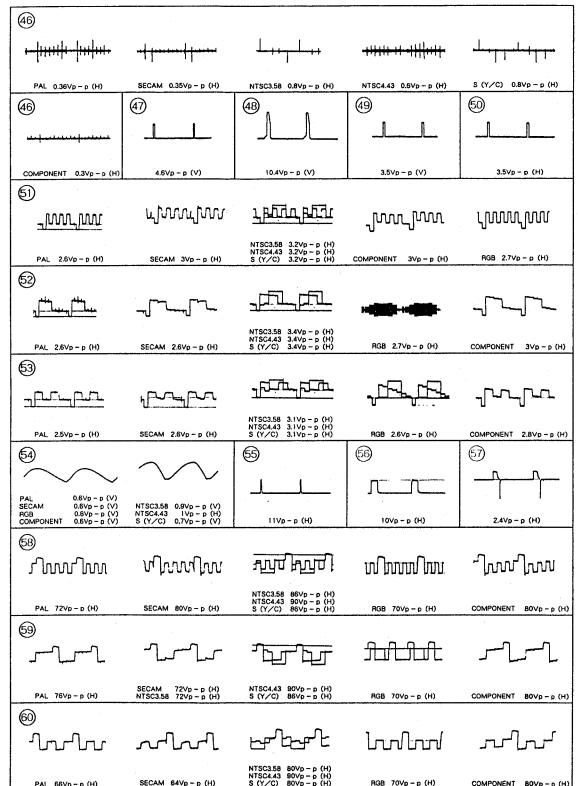
— B Board —**X**

< TRANSISTOR >

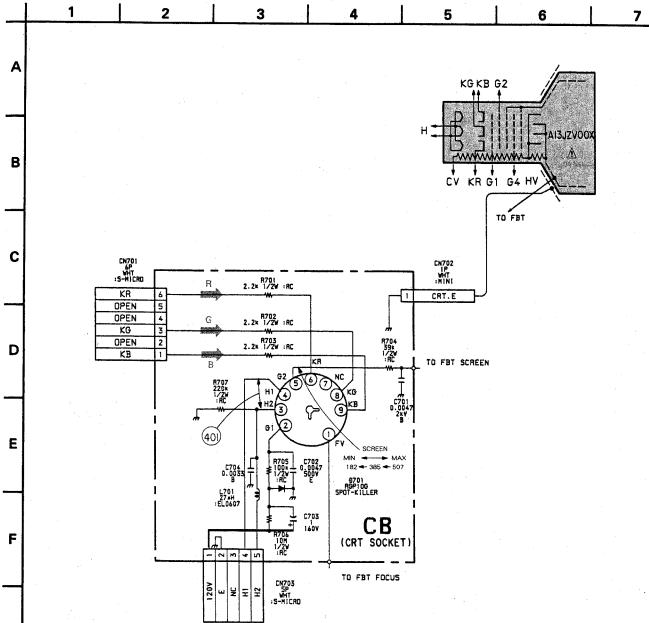
	PAL	SECAM	NTSC	NTSC	B (Y/C)	ANALOG	COMPONENT
	3.58	4.43	3.58	4.43	B (Y/C)	RGB	COMPONENT
Q113 E	0.5	0.5	0.4	0.5	0.5	0.5	0.5
B	0.5	0.5	0.4	0.5	0.5	0.5	0.5
Q115 E	11.2	6.0	10.2	6.0	6.0	6.0	6.0
B	2.8	2.2	0.1	2.4	0.1	0.1	0.1
Q118 E	0.0	0.2	1.7	1.7	1.7	1.7	1.7
B	0.1	0.1	1.7	1.7	1.7	1.7	1.7
Q119 B	0.6	0.0	1.7	1.7	1.7	1.7	1.7
Q121 E	0.0	0.0	1.7	1.7	1.7	1.7	1.7
Q122 E	0.6	0.0	1.7	1.7	1.7	1.7	1.7
Q130 E	1.5	1.5	4.4	4.4	4.4	4.4	4.4
B	3.7	3.7	3.8	3.8	3.9	3.8	3.8
Q132 E	2.3	2.3	2.4	2.4	2.4	2.4	2.4
C	1.8	1.7	1.7	1.7	1.8	1.8	1.8
B	2.7	2.8	2.7	2.8	2.7	2.8	2.8
Q148 C	116.7	114.4	110.4	113.2	115.7	114.3	114.1
Q147 C	120.0	123.5	120.3	123.4	122.8	124.0	124.4
B	119.6	119.6	110.5	118.4	116.2	114.2	114.2
Q148 C	86.1	84.9	91.2	83.4	82.6	82.5	82.5
B	94.0	93.9	88.3	92.4	92.1	94.2	90.8
Q149 E	1.6	1.6	1.4	1.3	1.7	1.7	1.7
C	1.6	1.6	1.4	1.3	1.7	1.7	1.7
Q150 E	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Q151 E	00.7	01.4	04.0	07.0	00.8	04.5	08.4
B	29.2	28.8	99.5	98.4	85.3	84.9	84.7
B	92.1	92.7	100.2	98.5	92.4	90.5	88.9
Q152 E	86.1	88.0	92.6	82.6	82.0	82.6	82.7
C	10.6	10.5	9.7	10.9	10.9	10.9	11.0
Q154 E	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Q155 E	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Q157 E	82.4	81.1	87.5	79.9	79.8	76.0	76.4
B	88.0	88.4	91.2	84.4	82.7	82.5	82.1
Q158 E	1.0	1.5	1.3	1.6	1.6	1.7	1.7
B	2.1	2.0	1.8	2.1	2.2	2.2	2.2
Q159 E	1.0	1.8	1.3	1.6	1.7	1.7	1.7
B	1.0	1.8	1.3	1.6	1.7	1.7	1.7
Q163 E	0.2	0.6	2.7	0.5	-0.5	-0.7	-0.6
Q166 B	0.9	0.9	0.8	1.0	1.0	1.0	1.0
Q168 C	2.1	2.0	1.8	2.3	2.2	2.1	2.2
Q170 B	2.3	2.3	2.1	2.4	2.4	2.4	2.4
Q172 B	2.3	2.1	1.9	2.2	2.3	2.2	2.3
Q173 B	1.7	1.8	1.4	1.7	1.7	1.7	1.7
Q174 B	1.7	1.8	1.4	1.7	1.7	1.7	1.7
B	1.8	1.5	1.3	1.6	1.6	1.7	1.7
Q178 B	6.2	3.3	8.2	6.3	6.1	6.2	6.2
Q209 E	83.4	81.5	87.6	80.3	80.4	80.4	78.6
C	115.6	113.2	110.7	113.2	113.8	114.5	114.2
B	87.6	88.4	92.8	85.0	84.3	84.2	83.6
Q210 E	86.5	86.5	86.5	85.9	85.3	85.3	82.6
C	116.5	114.2	111.5	113.9	114.5	115.1	114.6
Q211 C	115.9	115.6	111.7	113.3	115.8	114.5	114.3

• B BOARD WAVEFORMS

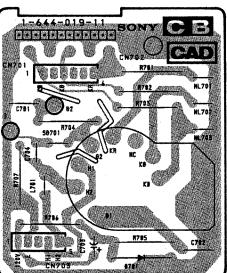




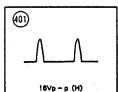
CB [CRT SOCKET]



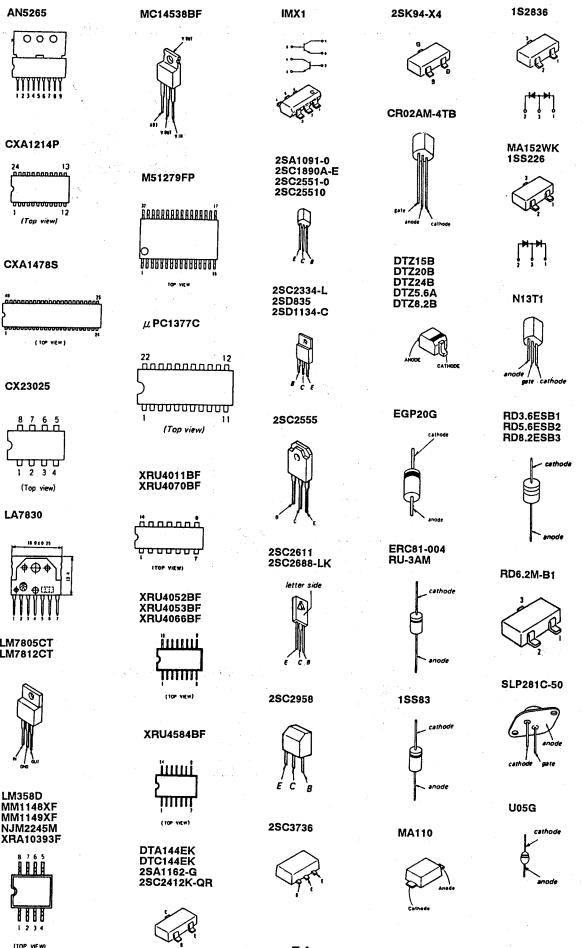
- CB Board -



• CB BOARD WAVEFORMS



6-6. SEMICONDUCTORS



REF. NO. P
1 X
2
3 #4
4
5 #4
6 #4
7
8 #4
9
10 #4
11 #4
12 #4
13 #4
14 #4
15 #4

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SECTION 7

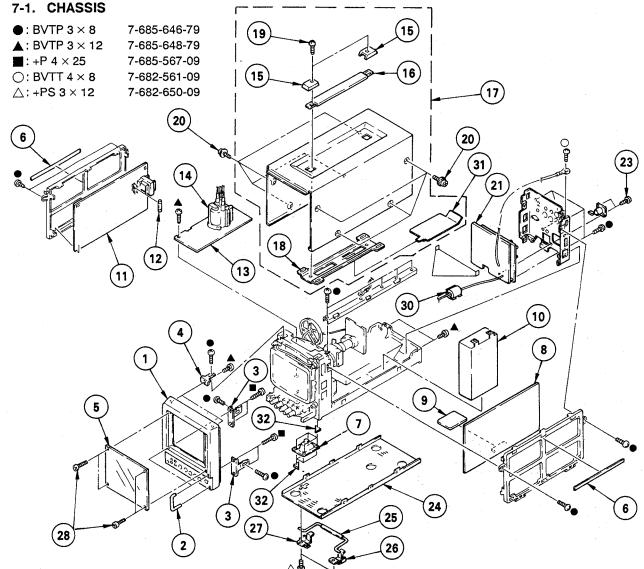
EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
 - The construction parts of an assembled part are indicated with a collation number in the remark column.
 - Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  are critical for safety.
Replace only with part number specified.

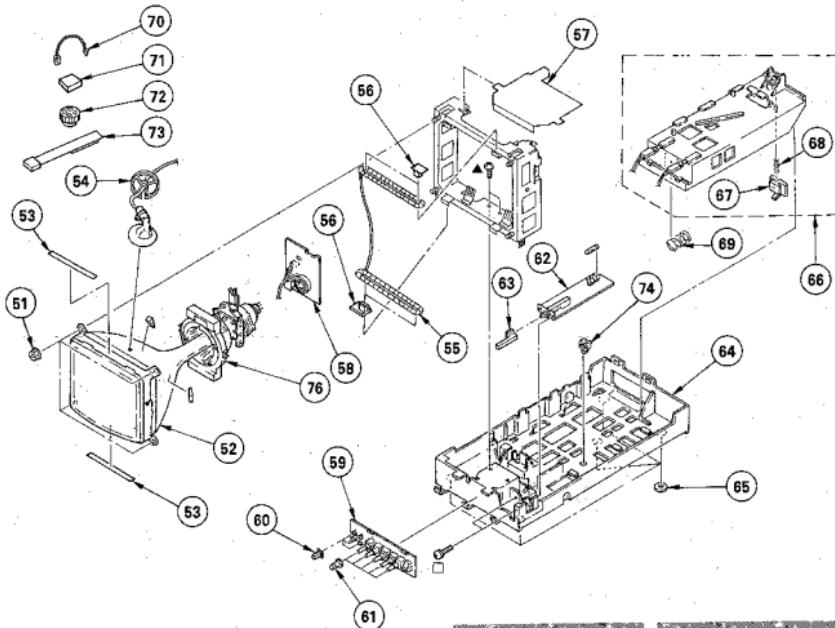
Les composants identifiés par une trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	A-4030-437-1	BEZEL ASSY		16	3-419-372-31	HANDLE	
2	4-034-844-01	HANDLE, PROTECTOR		17	4-4034-452-01	CABINET ASSY	15, 16, 17, 18, 19, 31
3	*4-034-845-01	BRACKET (L.), BEZEL		18	*4-4030-473-20	REINFORCEMENT ASSY, HANDLE	
4	*4-034-846-01	BRACKET (U.), BEZEL		19	4-035-452-01	SCREW (M4X10)	
5	4-036-714-01	PROTECTOR		20	4-034-834-01	SCREW (CLAW) (4X6), CASE	
6	*4-035-691-01	CLOTH, VIBRATION PROOF		21	*A-127-104-04	QB BOARD, COMPLETE	
7	1-544-252-11	SPAKER		22	*4-036-721-01	CHASSIS, R	
8	*A-1135-726-A	B BOARD, COMPLETE		23	*4-036-722-01	SCREW (M6, 6X)	
9	*A-1394-392-A	S BOARD, COMPLETE		24	*4-036-723-01	CABINET, BOTTOM	
10	A-1135-720-21	SWITCHING REGULATOR (SOP5-1021)		25	4-036-695-01	STAND	
11	A-1346-067-A	D BOARD, COMPLETE		26	4-036-696-01	BRACKET (B), STAND	
12	*A-1346-232-A	D BOARD, COMPLETE (250V)		27	4-036-697-01	BRACKET (L.), STAND	
13	*A-1346-233-A	D BOARD, COMPLETE (250V)		28	4-391-849-01	SCREW (3X12), TAPPING	
14	A-1359-526-11	TRANSFORMER ASSY, FEEDBACK		29	4-391-850-01	SCREW (3X12), FERRITE	
15	4-034-847-01	HANDLE (BASE)		31	4-037-556-01	INSULATION (COTTON)	
				32	4-037-548-01	CUSHION, SPEAKER	

7-2. PICTURE TUBE

▲: BVTP 3 x 12 7-685-648-79
 □: PSW 3 x 10 7-682-649-09



The components identified by shading and mark Δ are critical for safety.
 Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
 Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	4-304-511-00	FLANGE NUT, 5MM		66	*X-4030-163-1	GUIDE ASSY, BATTERY	67, 68
52	*A-7-733-021-05	FRONT PANEL		67	4-034-861-01	KNOB, BATTERY	
53	4-036-700-01	CLOTH, PROTECTION		68	4-876-347-01	SPRING, COMPRESSION	
54	*4-034-856-01	HOLDER, HV CABLE		69	3-669-594-00	SPRING, COMPRESSION	
55	A-1-426-614-11	COIL, DEMAGNETIZATION		70	4-308-870-00	CLIP, LEAD WIRE	
56	4-380-534-01	CAP, DGC		71	1-452-126-11	MAGNET	
57	*4-036-713-01	INSULATOR		72	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM	
58	*1-644-019-11	CB BOARD		73	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
59	*1-644-020-11	NB BOARD		74	*4-314-320-00	HOLDER, WIRE	
60	4-034-849-01	SWITCH (SMALL), PUSH		76	A-1-451-325-11	DEFLECTION Yoke (Y063VA2)	
61	X-4030-162-1	KNOB ASSY, CONTROL					
62	*1-644-021-11	FC BOARD					
63	4-034-841-01	SWITCH, POWER					
64	*X-4030-438-1	CHASSIS ASSY, BOTTOM					
65	4-034-840-01	RUBBER, FOOT					

B

SECTION 8

ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une forme et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked "+" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

CAPACITORS

COILS

- MF : μ F, PF : μ PF MWH : mH, UH : μ H

- The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
*A-1135-726-A	B BOARD, COMPLETE			C146	1-126-157-11	ELECT	10MF 20%	16V
*3-738-015-01	COVER, (DIA. 6) CARBON VR			C147	1-164-232-11	CERAMIC CHIP	0.01MF 10%	50V
	<FILTER>			C148	1-126-160-11	ELECT	1MF 20%	50V
BPF101	I-236-363-11	FILTER, BAND PASS		C149	1-163-022-00	CERAMIC CHIP	0.012MF 10%	50V
BPF102	I-236-364-11	FILTER, BAND PASS		C150	1-124-589-11	ELECT	47MF 20%	16V
	<CAPACITOR>			C151	1-163-131-00	CERAMIC CHIP	390PF 5%	50V
C101	I-124-589-11	ELECT	47MF 20% 16V	C152	1-163-101-00	CERAMIC CHIP	22PF 5%	50V
C102	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C153	1-163-125-00	CERAMIC CHIP	220PF 5%	50V
C103	I-126-157-11	ELECT	10MF 20% 16V	C154	I-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
C106	I-124-477-11	ELECT	47MF 20% 16V	C155	I-163-133-00	CERAMIC CHIP	470PF 5%	50V
C107	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C156	1-164-299-11	CERAMIC CHIP	0.22MF 10% 25V	50V
C108	I-124-477-11	ELECT	47MF 20% 16V	C157	1-163-229-11	CERAMIC CHIP	12PF 5%	50V
C109	I-124-477-11	ELECT	47MF 20% 16V	C158	1-124-477-11	ELECT	47MF 20% 16V	50V
C110	I-126-120-11	ELECT	220MF 20% 16V	C159	1-163-229-11	CERAMIC CHIP	12PF 5% 50V	50V
C111	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C160	I-163-229-11	CERAMIC CHIP	12PF 5% 50V	50V
C112	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C161	1-124-902-00	ELECT	0.47MF 20% 50V	50V
C113	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C162	1-124-903-00	ELECT	1MF 20% 50V	50V
C114	I-124-477-11	ELECT	47MF 20% 16V	C163	1-163-009-11	CERAMIC CHIP	0.047MF 10% 25V	50V
C115	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C164	1-163-009-11	CERAMIC CHIP	0.047MF 10% 25V	50V
C116	I-124-589-11	ELECT	47MF 20% 16V	C165	1-163-009-11	CERAMIC CHIP	0.001MF 10% 50V	50V
C117	I-163-031-11	ELECT	47MF 20% 6.3V	C166	1-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
C118	I-126-154-11	ELECT	47MF 20% 6.3V	C167	1-124-477-11	ELECT	47MF 20% 16V	50V
C119	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C168	1-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
C120	I-126-154-11	ELECT	47MF 20% 6.3V	C169	1-163-243-11	CERAMIC CHIP	47PF 5% 50V	50V
C121	I-124-477-11	ELECT	47MF 20% 16V	C170	I-163-129-00	CERAMIC CHIP	530PF 5% 50V	50V
C122	I-124-477-11	ELECT	47MF 20% 16V	C171	I-163-243-11	CERAMIC CHIP	47PF 5% 50V	50V
C123	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C172	I-163-120-00	CERAMIC CHIP	530PF 5% 50V	50V
C125	I-126-154-11	ELECT	47MF 20% 6.3V	C173	I-124-589-11	ELECT	47MF 20% 16V	50V
C126	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C174	I-124-477-11	ELECT	47MF 20% 16V	50V
C128	I-126-154-11	ELECT	47MF 20% 6.3V	C175	I-108-792-11	NYLAR	0.001MF 5% 50V	50V
C129	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C176	I-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
C130	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C177	I-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
C131	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C178	I-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
C132	I-124-589-11	ELECT	47MF 20% 6.3V	C179	I-126-160-11	ELECT	1MF 20% 50V	50V
C133	I-124-589-11	ELECT	47MF 20% 16V	C180	I-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
C134	I-163-275-11	CERAMIC CHIP	0.001MF 5% 50V	C181	I-126-154-11	ELECT	47MF 20% 6.3V	50V
C135	I-163-113-00	CERAMIC CHIP	68PF 5% 50V	C182	I-126-163-11	ELECT	4.7MF 20% 16V	50V
C137	I-163-115-00	CERAMIC CHIP	82PF 5% 50V	C183	I-164-232-11	CERAMIC CHIP	0.01MF 10% 50V	50V
C138	I-124-589-11	ELECT	47MF 20% 16V	C184	I-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
C139	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C185	I-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
C140	I-163-205-00	CERAMIC CHIP	0.001MF 5% 50V	C186	I-163-099-00	CERAMIC CHIP	18PF 5% 50V	50V
C141	I-163-141-00	CERAMIC CHIP	0.001MF 5% 50V	C187	I-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
C142	I-163-031-11	CERAMIC CHIP	0.01MF 50V	C188	I-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
C143	I-163-121-00	CERAMIC CHIP	150PF 5% 50V	C189	I-163-035-00	CERAMIC CHIP	0.047MF 50V	50V
C144	I-163-101-00	CERAMIC CHIP	22PF 5% 50V	C190	I-163-120-00	CERAMIC CHIP	150PF 5% 50V	50V
C145	I-163-151-00	CERAMIC CHIP	390PF 5% 50V	C191	I-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
				C192	I-163-031-11	CERAMIC CHIP	0.01MF 50V	50V
				C193	I-124-589-11	ELECT	47MF 20% 16V	50V
				C194	I-124-589-11	ELECT	47MF 20% 16V	50V
				C195	I-124-589-11	ELECT	47MF 20% 16V	50V



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK			
C196	I-124-589-11	ELECT	47MF	20%	16V	C264	I-163-123-00	CERAMIC CHIP 180PF	5%	50V
C197	I-124-589-11	ELECT	47MF	20%	16V	C265	I-163-129-00	CERAMIC CHIP 330PF	5%	50V
C198	I-124-589-11	ELECT	47MF	20%	16V	C266	I-126-320-11	ELECT 10NF	20%	16V
C199	I-124-589-11	ELECT	47MF	20%	16V	C267	I-126-320-11	ELECT 10NF	20%	16V
C202	I-124-589-11	ELECT	47MF	20%	16V	C268	I-124-477-11	ELECT 47MF	20%	16V
C203	I-124-589-11	ELECT	47MF	20%	16V	C269	I-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C204	I-124-589-11	ELECT	47MF	20%	16V	C270	I-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C205	I-163-101-00	CERAMIC CHIP 22PF	5%	50V	C271	I-163-809-11	CERAMIC CHIP 0.047MF	10%	25V	
C206	I-164-298-11	CERAMIC CHIP 0.15MF	10%	25V	C272	I-163-129-00	CERAMIC CHIP 330PF	5%	50V	
C207	I-164-298-11	CERAMIC CHIP 0.15MF	10%	25V	C273	I-163-129-00	CERAMIC CHIP 330PF	5%	50V	
C208	I-163-101-00	CERAMIC CHIP 22PF	5%	50V	C274	I-124-477-11	ELECT 47MF	20%	16V	
C209	I-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C275	I-163-119-00	CERAMIC CHIP 120PF	5%	50V	
C210	I-124-589-11	ELECT	47MF	20%	16V	C277	I-163-097-00	CERAMIC CHIP 15PF	5%	50V
C211	I-124-589-11	ELECT	47MF	20%	16V	C278	I-163-809-11	CERAMIC CHIP 0.047MF	10%	25V
C212	I-124-589-11	ELECT	47MF	20%	16V	C279	I-126-157-11	ELECT 10MF	20%	16V
C213	I-124-589-11	ELECT	47MF	20%	16V	C280	I-163-117-00	CERAMIC CHIP 100PF	5%	50V
C214	I-126-157-11	ELECT	10MF	20%	16V	C281	I-163-031-11	CERAMIC CHIP 0.01MF	50V	50V
C215	I-126-157-11	ELECT	10MF	20%	16V	C282	I-163-031-11	CERAMIC CHIP 0.01MF	50V	50V
C216	I-126-157-11	ELECT	10MF	20%	16V	C283	I-163-031-11	CERAMIC CHIP 0.01MF	50V	50V
C217	I-163-031-11	CERAMIC CHIP 0.01MF	50V	C299	I-163-031-11	CERAMIC CHIP 0.01MF	50V	50V		
C218	I-164-298-11	CERAMIC CHIP 0.15MF	10%	25V	C300	I-126-157-11	ELECT 10MF	20%	16V	
C219	I-163-009-11	CERAMIC CHIP 0.01MF	10%	50V	C301	I-163-809-11	CERAMIC CHIP 0.047MF	10%	25V	
C220	I-163-031-11	CERAMIC CHIP 0.01MF	50V	C302	I-124-589-11	ELECT 47MF	20%	16V		
C221	I-124-903-11	ELECT	1MF	20%	50V	C303	I-126-157-11	ELECT 10MF	20%	16V
C222	I-163-093-00	CERAMIC CHIP 10PF	5%	50V	C304	I-163-125-00	CERAMIC CHIP 220PF	5%	50V	
C223	I-163-031-11	CERAMIC CHIP 0.01MF	50V	C305	I-124-257-00	ELECT 2.2MF	20%	50V		
C225	I-124-477-11	ELECT	47MF	20%	16V	C306	I-163-115-00	CERAMIC CHIP 82PF	5%	50V
C226	I-163-031-11	CERAMIC CHIP 0.01MF	50V	C307	I-163-145-00	CERAMIC CHIP 0.015MF	5%	50V		
C227	I-163-038-00	CERAMIC CHIP 0.1MF	20%	25V	C308	I-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C228	I-163-986-00	CERAMIC CHIP 0.027MF	10%	25V	C309	I-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
C229	I-163-031-11	CERAMIC CHIP 0.01MF	50V	C310	I-164-004-11	CERAMIC CHIP 0.1MF	10%	25V		
C230	I-163-038-00	CERAMIC CHIP 0.1MF	25V	C311	I-163-115-00	CERAMIC CHIP 82PF	5%	50V		
C231	I-163-986-00	CERAMIC CHIP 0.027MF	10%	25V	C312	I-126-157-11	ELECT 10MF	20%	16V	
C232	I-163-031-11	CERAMIC CHIP 0.01MF	50V	C313	I-164-299-11	CERAMIC CHIP 0.22MF	10%	25V		
C233	I-163-031-11	CERAMIC CHIP 0.01MF	50V	C314	I-126-157-11	ELECT 10MF	20%	16V		
C234	I-163-038-00	CERAMIC CHIP 0.1MF	25V	C315	I-164-299-11	CERAMIC CHIP 0.22MF	10%	25V		
C235	I-163-986-00	CERAMIC CHIP 0.027MF	10%	C316	I-126-157-11	ELECT 10MF	20%	16V		
C236	I-163-031-11	CERAMIC CHIP 0.01MF	50V	C317	I-163-031-11	CERAMIC CHIP 0.01MF	50V	50V		
C237	I-163-031-11	CERAMIC CHIP 0.01MF	50V	C318	I-163-103-00	CERAMIC CHIP 27PF	5%	50V		
C238	I-164-299-11	CERAMIC CHIP 0.22MF	10%	C319	I-163-103-00	CERAMIC CHIP 27PF	5%	50V		
C339	I-163-809-11	CERAMIC CHIP 0.047MF	10%	C320	I-163-103-00	CERAMIC CHIP 27PF	5%	50V		
C240	I-163-809-11	CERAMIC CHIP 0.047MF	10%	C321	I-163-121-00	CERAMIC CHIP 150PF	5%	50V		
C241	I-163-809-11	CERAMIC CHIP 0.047MF	10%	C322	I-163-121-00	CERAMIC CHIP 150PF	5%	50V		
C242	I-163-113-00	CERAMIC CHIP 0.68PF	5%	C323	I-163-121-00	CERAMIC CHIP 150PF	5%	50V		
C243	I-163-031-11	CERAMIC CHIP 0.01MF	50V	C324	I-163-121-00	CERAMIC CHIP 150PF	5%	50V		
C244	I-163-103-00	CERAMIC CHIP 27PF	5%	C325	I-163-105-00	CERAMIC CHIP 33PF	5%	50V		
C245	I-163-105-00	CERAMIC CHIP 33PF	5%	C326	I-163-105-00	CERAMIC CHIP 33PF	5%	50V		
C246	I-163-809-11	CERAMIC CHIP 0.047MF	10%	C347	I-163-105-00	CERAMIC CHIP 18PF	5%	50V		
C247	I-163-809-11	CERAMIC CHIP 0.047MF	10%	C327	I-163-099-00	CERAMIC CHIP 18PF	5%	50V		
C248	I-163-809-11	CERAMIC CHIP 0.047MF	10%	C328	I-163-109-00	CERAMIC CHIP 47PF	5%	50V		
C249	I-126-101-11	ELECT	10MF	20%	C329	I-163-099-00	CERAMIC CHIP 18PF	5%	50V	
C250	I-163-017-00	CERAMIC CHIP 0.0047MF	10%	C330	I-163-115-00	CERAMIC CHIP 82PF	5%	50V		
C251	I-110-354-11	MYLAR	0.1MF	10%	C320	I-163-092-00	CERAMIC CHIP 10PF	0.25PF	50V	
C252	I-124-046-00	ELECT	10MF	20%	C331	I-163-092-00	CERAMIC CHIP 10PF	0.25PF	50V	
C253	I-124-477-11	ELECT	47MF	20%	C345	I-163-105-00	CERAMIC CHIP 33PF	5%	50V	
C254	I-163-031-11	CERAMIC CHIP 0.01MF	50V	C346	I-163-105-00	CERAMIC CHIP 33PF	5%	50V		
C255	I-124-477-11	ELECT	47MF	20%	C347	I-163-105-00	CERAMIC CHIP 33PF	5%	50V	
C256	I-163-129-00	CERAMIC CHIP 330PF	5%	C329	I-163-099-00	CERAMIC CHIP 10PF	5%	50V		
C257	I-163-129-00	CERAMIC CHIP 330PF	5%	C330	I-126-150-11	ELECT 1MF	20%	50V		
C258	I-163-129-00	CERAMIC CHIP 330PF	5%	C301	I-126-160-11	ELECT 1MF	20%	50V		
						<FILTER BLOCK>				
C260	I-124-465-00	ELECT	0.47MF	20%	C302	I-126-160-11	ELECT 1MF	20%	50V	
C261	I-137-193-11	FILM	0.39MF	5%	C303	I-164-880-11	FILTER BLOCK, COM (CFB-2)			
C262	I-124-465-00	ELECT	0.47MF	20%	C304	I-164-880-11	FILTER BLOCK, COM (CFB-2)			
C263	I-163-031-11	CERAMIC CHIP 0.01MF	50V							

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
<CONNECTOR>											
CN101	1-506-478-11	PIN, CONNECTOR 13P		D148	8-719-404-46	DIODE MA110					
CN102	*1-564-506-11	PLUG, CONNECTOR 3P		D149	8-719-404-46	DIODE MA110					
CN103	1-565-503-11	CONNECTOR, BOARD TO BOARD 12P		D150	8-719-404-46	DIODE MA110					
CN104	1-506-477-11	PIN, CONNECTOR 12P		D151	8-719-404-46	DIODE MA110					
CN105	*1-564-509-11	PLUG, CONNECTOR 6P		D152	8-719-404-46	DIODE MA110					
CN107	1-506-478-11	PIN, CONNECTOR 13P		D153	8-719-977-20	DIODE DT28.2B					
<TRAP MODULE>											
CTR101	1-236-366-11	MODULE, TRAP		D154	8-719-404-46	DIODE MA110					
CTR102	1-236-365-11	MODULE, TRAP		D155	8-719-404-46	DIODE MA110					
<TRIMMER>											
CV101	1-141-418-11	CAP, ADJ		D160	8-719-404-46	DIODE MA110					
CV102	1-141-418-11	CAP, ADJ		D161	8-719-404-46	DIODE MA110					
<DIODE>											
D101	8-719-404-46	DIODE MA110		D162	8-719-404-46	DIODE MA110					
D102	8-719-404-46	DIODE MA110		D170	8-719-404-46	DIODE MA110					
D104	8-719-404-46	DIODE MA110		D171	8-719-404-46	DIODE MA110					
D105	8-719-404-46	DIODE MA110		D172	8-719-404-46	DIODE MA110					
D106	8-719-404-46	DIODE MA110		D285	8-719-404-46	DIODE MA110					
D107	8-719-404-46	DIODE MA110		D289	8-719-404-46	DIODE MA110					
D108	8-719-404-46	DIODE MA110		D341	8-719-404-46	DIODE MA110					
D109	8-719-404-46	DIODE MA110		D342	8-719-104-34	DIODE IS2836					
D110	8-719-404-46	DIODE MA110		D343	8-719-800-76	DIODE ISS226					
D111	8-719-404-46	DIODE MA110		D344	8-719-105-XX	DIODE RD6.2M-B1					
D112	8-719-404-46	DIODE MA110		D345	8-719-901-83	DIODE ISS83					
D113	8-719-404-46	DIODE MA110		D346	8-719-901-83	DIODE ISS83					
D114	8-719-404-46	DIODE MA110		D347	8-719-901-83	DIODE ISS83					
D115	8-719-404-46	DIODE MA110		D348	8-719-800-76	DIODE ISS226					
D116	8-719-404-46	DIODE MA110		D349	8-719-800-76	DIODE ISS226					
D117	8-719-404-46	DIODE MA110		D350	8-719-800-76	DIODE ISS226					
D118	8-719-404-46	DIODE MA110		D393	8-719-404-46	DIODE MA110					
D119	8-719-404-46	DIODE MA110		<DELAY LINE>							
D120	8-719-404-46	DIODE MA110		DL101	I-415-632-11	DELAY LINE, Y					
D121	8-719-404-46	DIODE MA110		<IC>							
D122	8-719-404-46	DIODE MA110		JC102	8-759-501-21	IC MM1149XF					
D123	8-719-404-46	DIODE MA110		JC103	8-759-501-21	IC MM1149XF					
D125	8-719-404-46	DIODE MA110		JC104	8-759-048-09	IC MM1148XF					
D126	8-719-404-46	DIODE MA110		JC105	8-759-048-09	IC MM1148XF					
D127	8-719-404-46	DIODE MA110		JC106	8-759-009-51	IC MC14588F					
D128	8-719-400-18	DIODE MA152W		JC107	8-759-509-57	IC XRU4584BF					
D129	8-719-404-46	DIODE MA110		JC108	8-759-509-17	IC XRU4053BF					
D130	8-719-800-76	DIODE ISS226		JC109	8-759-509-37	IC XRU4070BF					
D131	8-719-800-76	DIODE ISS226		JC110	8-759-509-17	IC XRU4053BF					
D132	8-719-800-76	DIODE ISS226		JC111	8-759-509-17	IC XRU4053BF					
D133	8-719-404-46	DIODE MA110		JC112	8-759-924-12	IC LM7805CT					
D134	8-719-404-46	DIODE MA110		JC113	8-759-631-08	IC M51279PP					
D135	8-719-404-46	DIODE MA110		JC114	8-759-509-13	IC XRU4052BF					
D136	8-719-404-46	DIODE MA110		JC115	8-759-509-13	IC XRU4052BF					
D137	8-719-404-46	DIODE MA110		JC116	8-759-509-05	IC XRU4066BF					
D138	8-719-404-46	DIODE MA110		JC117	8-759-711-32	IC NJM2245M					
D139	8-719-404-46	DIODE MA110		JC118	8-759-711-32	IC NJM2245M					
D142	8-719-404-46	DIODE MA110		JC119	8-759-711-32	IC NJM2245M					
D143	8-719-404-46	DIODE MA110		JC120	8-759-509-05	IC XRU4066BF					
D144	8-719-404-46	DIODE MA110		JC121	8-759-509-17	IC XRU4053BF					
D145	8-719-404-46	DIODE MA110		JC122	8-759-998-98	IC LM358D					
D146	8-719-404-46	DIODE MA110		JC123	8-759-998-98	IC LM358D					
D147	8-719-404-46	DIODE MA110		JC124	8-752-052-62	IC CXA1478S					
				JC125	8-759-509-05	IC XRU4066BF					
				JC126	8-759-509-17	IC XRU4053BF					

B

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
I127	8-759-998-98	IC LM358D		Q141	8-729-920-74	TRANSISTOR 2SC2412K-QR	
I128	8-759-998-98	IC LM358D		Q142	8-729-920-74	TRANSISTOR 2SC2412K-QR	
I129	8-759-998-98	IC LM358D		Q143	8-729-920-74	TRANSISTOR 2SC2412K-QR	
<COIL>							
L101	I-410-470-11	INDUCTOR 10UH		Q144	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L102	I-410-090-41	INDUCTOR 18MHM		Q145	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L103	I-412-002-31	INDUCTOR CHIP 4.7UH		Q146	8-729-255-12	TRANSISTOR 2SC2551-0	
L104	I-412-002-31	INDUCTOR CHIP 4.7UH		Q147	8-729-255-12	TRANSISTOR 2SC2551-0	
L105	I-412-002-31	INDUCTOR CHIP 4.7UH		Q148	8-729-216-22	TRANSISTOR 2SA1162-G	
L106	I-410-470-11	INDUCTOR 10UH		Q149	8-729-200-17	TRANSISTOR 2SA1091-0	
L107	I-410-470-11	INDUCTOR 10UH		Q150	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L108	I-408-418-00	INDUCTOR 56UH		Q151	8-729-216-22	TRANSISTOR 2SA1162-G	
L109	I-408-418-00	INDUCTOR 56UH		Q152	8-729-200-17	TRANSISTOR 2SA1091-0	
L110	I-408-418-00	INDUCTOR 56UH		Q153	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L112	I-408-419-00	INDUCTOR 68UH		Q154	8-729-216-22	TRANSISTOR 2SA1162-G	
L116	I-412-011-31	INDUCTOR CHIP 27UH		Q155	8-729-200-17	TRANSISTOR 2SA1091-0	
L117	I-412-011-31	INDUCTOR CHIP 27UH		Q156	8-729-326-11	TRANSISTOR 2SC2611	
L118	I-412-011-31	INDUCTOR CHIP 27UH		Q157	8-729-326-11	TRANSISTOR 2SC2611	
L250	I-410-997-31	INDUCTOR CHIP 2.2UH		Q158	8-729-326-11	TRANSISTOR 2SC2611	
L251	I-410-999-11	INDUCTOR CHIP 3.3UH		Q159	8-729-326-11	TRANSISTOR 2SC2611	
L252	I-410-478-11	INDUCTOR 47UH		Q160	8-729-920-74	TRANSISTOR 2SC2412K-QR	
L300	I-410-482-31	INDUCTOR 100UH		Q161	8-729-216-22	TRANSISTOR 2SA1162-G	
<TRANSISTOR>							
Q101	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q162	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q102	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q163	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q103	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q164	8-729-961-01	TRANSISTOR DTC144EK	
Q104	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q165	8-729-216-22	TRANSISTOR 2SA1162-G	
Q105	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q166	8-729-216-22	TRANSISTOR 2SA1162-G	
Q107	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q167	8-729-216-22	TRANSISTOR 2SA1162-G	
Q108	8-729-216-22	TRANSISTOR 2SA1162-G		Q168	8-729-216-22	TRANSISTOR 2SA1162-G	
Q109	8-729-901-01	TRANSISTOR DTC144EK		Q170	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q112	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q171	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q113	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q172	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q114	8-729-216-22	TRANSISTOR 2SA1162-G		Q173	8-729-216-22	TRANSISTOR 2SA1162-G	
Q115	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q174	8-729-216-22	TRANSISTOR 2SA1162-G	
Q116	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q175	8-729-216-22	TRANSISTOR 2SA1162-G	
Q117	8-729-216-22	TRANSISTOR 2SA1162-G		Q176	8-729-216-22	TRANSISTOR 2SA1162-G	
Q118	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q177	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q119	8-729-216-22	TRANSISTOR 2SA1162-G		Q178	8-729-901-01	TRANSISTOR DTC144EK	
Q120	8-729-216-22	TRANSISTOR 2SA1162-G		Q179	8-729-901-01	TRANSISTOR DTC144EK	
Q121	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q180	8-729-216-22	TRANSISTOR 2SA1162-G	
Q122	8-729-216-22	TRANSISTOR 2SA1162-G		Q181	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q123	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q182	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q124	8-729-216-22	TRANSISTOR 2SA1162-G		Q183	8-729-216-22	TRANSISTOR 2SA1162-G	
Q125	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q184	8-729-216-22	TRANSISTOR 2SA1162-G	
Q126	8-729-901-01	TRANSISTOR DTC144EK		Q185	8-729-216-22	TRANSISTOR 2SA1162-G	
Q127	8-729-216-22	TRANSISTOR 2SA1162-G		Q186	8-729-216-22	TRANSISTOR 2SA1162-G	
Q128	8-729-216-22	TRANSISTOR 2SA1162-G		Q187	8-729-216-22	TRANSISTOR 2SA1162-G	
Q129	8-729-901-01	TRANSISTOR DTC144EK		Q188	8-729-216-22	TRANSISTOR 2SA1162-G	
Q30	8-729-216-22	TRANSISTOR 2SA1162-G		Q189	8-729-216-22	TRANSISTOR 2SA1162-G	
Q31	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q190	8-729-901-06	TRANSISTOR DTC144EK	
Q32	8-729-216-22	TRANSISTOR 2SA1162-G		Q191	8-729-216-22	TRANSISTOR 2SA1162-G	
Q33	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q192	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q34	8-729-901-01	TRANSISTOR DTC144EK		Q193	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q35	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q194	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q36	8-729-907-26	TRANSISTOR IX1X		Q195	8-729-216-22	TRANSISTOR 2SA1162-G	
Q37	8-729-907-26	TRANSISTOR IX1X		Q196	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q38	8-729-907-26	TRANSISTOR IX1X		Q197	8-729-216-22	TRANSISTOR 2SA1162-G	
Q39	8-729-216-22	TRANSISTOR 2SA1162-G		Q198	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q40	8-729-920-74	TRANSISTOR 2SC2412K-QR		Q199	8-729-216-22	TRANSISTOR 2SA1162-G	
<RESISTOR>							
JR101	1-216-295-00	METAL GLAZE	0	Q299	8-729-920-74	TRANSISTOR 2SC2412K-QR	
JR102	1-216-295-00	METAL GLAZE	5%				1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
JR105	I-216-295-00	METAL GLAZE	0 5% 1/10W	B174	I-216-069-00	METAL GLAZE	6.8K 5% 1/10W
JR118	I-216-295-00	METAL GLAZE	0 5% 1/10W	R175	I-216-057-00	METAL GLAZE	2.2K 5% 1/10W
JR132	I-216-295-00	METAL GLAZE	0 5% 1/10W	R176	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W
JR133	I-216-295-00	METAL GLAZE	0 5% 1/10W	R177	I-216-073-00	METAL GLAZE	10K 5% 1/10W
JR178	I-216-295-00	METAL GLAZE	0 5% 1/10W	R178	I-216-089-00	METAL GLAZE	47K 5% 1/10W
L113	I-216-296-00	METAL GLAZE	0 5% 1/8W	R179	I-216-081-00	METAL GLAZE	22K 5% 1/10W
L114	I-216-296-00	METAL GLAZE	0 5% 1/8W	R180	I-216-679-11	METAL CHIP	15K 0.50% 1/10W
LJ15	I-216-296-00	METAL GLAZE	0 5% 1/8W	R181	I-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R101	I-216-089-00	METAL GLAZE	47K 5% 1/10W	R182	I-216-683-11	METAL CHIP	22K 0.50% 1/10W
R102	I-216-025-00	METAL GLAZE	100 5% 1/10W	R183	I-216-691-11	METAL CHIP	47K 0.50% 1/10W
R103	I-216-091-00	METAL GLAZE	56K 5% 1/10W	R184	I-216-699-11	METAL CHIP	100K 0.50% 1/10W
R104	I-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R185	I-216-073-00	METAL GLAZE	10K 5% 1/10W
R105	I-216-025-00	METAL GLAZE	100 5% 1/10W	R186	I-216-113-00	METAL GLAZE	470K 5% 1/10W
R106	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R187	I-216-073-00	METAL GLAZE	10K 5% 1/10W
R107	I-216-025-00	METAL GLAZE	100 5% 1/10W	R188	I-216-113-00	METAL GLAZE	470K 5% 1/10W
R108	I-216-113-00	METAL GLAZE	470K 5% 1/10W	R189	I-216-103-00	METAL GLAZE	180K 5% 1/10W
R109	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R190	I-216-107-00	METAL GLAZE	270K 5% 1/10W
R110	I-216-049-00	METAL GLAZE	1K 5% 1/10W	R191	I-216-097-00	METAL GLAZE	100K 5% 1/10W
R111	I-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R192	I-216-103-00	METAL GLAZE	180K 5% 1/10W
R112	I-216-049-00	METAL GLAZE	1K 5% 1/10W	R193	I-216-105-00	METAL GLAZE	220K 5% 1/10W
R113	I-249-401-11	CARBON	47 5% 1/4W F	R194	I-216-089-00	METAL GLAZE	47K 5% 1/10W
R114	I-216-045-00	METAL GLAZE	680 5% 1/10W	R195	I-216-113-00	METAL GLAZE	470K 5% 1/10W
R115	I-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R196	I-216-073-00	METAL GLAZE	10K 5% 1/10W
R117	I-216-073-00	METAL GLAZE	10K 5% 1/10W	R197	I-216-671-11	METAL CHIP	6.8K 0.50% 1/10W
R118	I-216-025-00	METAL GLAZE	100 5% 1/10W	R198	I-216-049-00	METAL GLAZE	1K 5% 1/10W
R119	I-216-647-11	METAL CHIP	680 0.50% 1/10W	R199	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R120	I-216-647-11	METAL CHIP	680 0.50% 1/10W	R200	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R121	I-216-025-00	METAL GLAZE	100 5% 1/10W	R201	I-216-043-00	METAL GLAZE	560 5% 1/10W
R123	I-216-073-00	METAL GLAZE	10K 5% 1/10W	R202	I-216-033-00	METAL GLAZE	220 5% 1/10W
R124	I-216-073-00	METAL GLAZE	10K 5% 1/10W	R203	I-216-045-00	METAL GLAZE	680 5% 1/10W
R125	I-216-083-00	METAL GLAZE	27K 5% 1/10W	R204	I-216-073-00	METAL GLAZE	10K 5% 1/10W
R126	I-216-093-00	METAL GLAZE	68K 5% 1/10W	R205	I-216-073-00	METAL GLAZE	10K 5% 1/10W
R127	I-216-037-00	METAL GLAZE	330 5% 1/10W	R206	I-216-043-00	METAL GLAZE	560 5% 1/10W
R128	I-216-083-00	METAL GLAZE	27K 5% 1/10W	R207	I-216-045-00	METAL GLAZE	680 5% 1/10W
R129	I-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R208	I-216-671-11	METAL CHIP	6.8K 0.50% 1/10W
R130	I-216-097-00	METAL GLAZE	100K 5% 1/10W	R209	I-216-043-00	METAL GLAZE	560 5% 1/10W
R136	I-216-091-00	METAL GLAZE	56K 5% 1/10W	R210	I-216-032-00	METAL GLAZE	220 5% 1/10W
R137	I-216-045-00	METAL GLAZE	680 5% 1/10W	R211	I-216-099-00	METAL GLAZE	120K 5% 1/10W
R138	I-216-657-11	METAL CHIP	1.8K 0.50% 1/10W	R212	I-216-067-00	METAL GLAZE	4.7K 5% 1/10W
R139	I-216-079-00	METAL GLAZE	18K 5% 1/10W	R213	I-216-043-00	METAL GLAZE	560 5% 1/10W
R140	I-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R214	I-216-043-00	METAL GLAZE	560 5% 1/10W
R141	I-216-063-00	METAL GLAZE	5.9K 5% 1/10W	R215	I-216-125-00	METAL GLAZE	1.5M 5% 1/10W
R142	I-216-073-00	METAL GLAZE	10K 5% 1/10W	R216	I-216-043-00	METAL GLAZE	560 5% 1/10W
R143	I-216-085-00	METAL GLAZE	5.5K 5% 1/10W	R217	I-216-033-00	METAL GLAZE	220 5% 1/10W
R144	I-216-089-00	METAL GLAZE	47K 5% 1/10W	R218	I-216-295-00	METAL GLAZE	0 5% 1/10W
R145	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R219	I-216-043-00	METAL GLAZE	560 5% 1/10W
R146	I-216-037-00	METAL GLAZE	330 5% 1/10W	R220	I-216-043-00	METAL GLAZE	560 5% 1/10W
R148	I-216-671-11	METAL CHIP	6.8K 0.50% 1/10W	R221	I-216-035-00	METAL GLAZE	270 5% 1/10W
R155	I-216-655-11	METAL CHIP	1.5K 0.50% 1/10W	R222	I-216-033-00	METAL GLAZE	220 5% 1/10W
R157	I-216-679-11	METAL CHIP	15K 0.50% 1/10W	R223	I-216-073-00	METAL GLAZE	10X 5% 1/10W
R158	I-216-677-11	METAL CHIP	12X 0.50% 1/10W	R224	I-216-073-00	METAL GLAZE	10K 5% 1/10W
R160	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R225	I-216-095-00	METAL GLAZE	82K 5% 1/10W
R161	I-216-389-00	METAL GLAZE	47K 5% 1/10W	R226	I-216-073-00	METAL GLAZE	10K 5% 1/10W
R163	I-216-073-00	METAL GLAZE	10K 5% 1/10W	R227	I-216-035-00	METAL GLAZE	270 5% 1/10W
R164	I-216-677-11	METAL CHIP	12X 0.50% 1/10W	R228	I-216-067-00	METAL GLAZE	4.7K 5% 1/10W
R165	I-216-107-00	METAL GLAZE	270K 5% 1/10W	R229	I-216-113-00	METAL GLAZE	470K 5% 1/10W
R166	I-216-681-11	METAL CHIP	18K 0.50% 1/10W	R230	I-216-081-00	METAL GLAZE	22K 5% 1/10W
R167	I-216-635-11	METAL CHIP	230 0.50% 1/10W	R231	I-216-113-00	METAL GLAZE	470K 5% 1/10W
R168	I-216-103-00	METAL GLAZE	10X 5% 1/10W	R232	I-216-105-00	METAL GLAZE	220K 5% 1/10W
R169	I-216-033-00	METAL GLAZE	220 5% 1/10W	R233	I-216-073-00	METAL GLAZE	10X 5% 1/10W
R170	I-216-089-00	METAL GLAZE	47K 5% 1/10W	R234	I-216-041-00	METAL GLAZE	470 5% 1/10W
R171	I-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R235	I-216-041-00	METAL GLAZE	470 5% 1/10W
R172	I-216-043-00	METAL GLAZE	560 5% 1/10W	R236	I-216-077-00	METAL GLAZE	15X 5% 1/10W
R173	I-216-053-00	METAL GLAZE	68K 5% 1/10W				

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK		
R237	1-216-025-00	METAL GLAZE	100 5%	1/10W	R305	1-216-049-00	METAL GLAZE	1K 5%	1/10W
R238	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R306	1-216-089-00	METAL GLAZE	47K 5%	1/10W
R239	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R307	1-216-033-00	METAL GLAZE	220 5%	1/10W
R240	1-216-033-00	METAL GLAZE	220 5%	1/10W	R308	1-216-089-00	METAL GLAZE	47K 5%	1/10W
R241	1-216-073-00	METAL GLAZE	100 5%	1/10W	R309	1-216-089-00	METAL GLAZE	47K 5%	1/10W
R242	1-216-051-00	METAL GLAZE	1.2K 5%	1/10W	R310	1-216-033-00	METAL GLAZE	220 5%	1/10W
R243	1-216-113-00	METAL GLAZE	470K 5%	1/10W	R311	1-216-089-00	METAL GLAZE	47K 5%	1/10W
R244	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R312	1-216-089-00	METAL GLAZE	47K 5%	1/10W
R245	1-216-579-11	METAL CHIP	15K 0.50%	1/10W	R313	1-216-033-00	METAL GLAZE	220 5%	1/10W
R246	1-216-103-00	METAL GLAZE	180K 5%	1/10W	R314	1-216-089-00	METAL GLAZE	47K 5%	1/10W
R247	1-216-093-00	METAL GLAZE	68K 5%	1/10W	R315	1-216-113-00	METAL GLAZE	470K 5%	1/10W
R248	1-216-095-00	METAL GLAZE	82K 5%	1/10W	R316	1-216-105-00	METAL GLAZE	220K 5%	1/10W
R249	1-216-109-00	METAL GLAZE	330K 5%	1/10W	R317	1-216-109-00	METAL GLAZE	330K 5%	1/10W
R250	1-216-101-00	METAL GLAZE	150K 5%	1/10W	R318	1-216-105-00	METAL GLAZE	220K 5%	1/10W
R251	1-216-105-00	METAL GLAZE	220K 5%	1/10W	R319	1-216-099-00	METAL GLAZE	120K 5%	1/10W
R252	1-216-101-00	METAL GLAZE	150K 5%	1/10W	R320	1-216-099-00	METAL GLAZE	120K 5%	1/10W
R253	1-216-101-00	METAL GLAZE	150X 5%	1/10W	R321	1-216-043-00	METAL GLAZE	560 5%	1/10W
R254	1-216-033-00	METAL GLAZE	220 5%	1/10W	R325	1-216-097-00	METAL GLAZE	100K 5%	1/10W
R255	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R326	1-216-113-00	METAL GLAZE	470K 5%	1/10W
R256	1-216-107-00	METAL GLAZE	270K 5%	1/10W	R328	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R258	1-216-041-00	METAL GLAZE	470 5%	1/10W	R329	1-216-107-00	METAL GLAZE	270K 5%	1/10W
R259	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R330	1-216-105-00	METAL GLAZE	220K 5%	1/10W
R260	1-216-025-00	METAL GLAZE	100 5%	1/10W	R331	1-216-025-00	METAL GLAZE	100 5%	1/10W
R261	1-216-035-00	METAL GLAZE	270 5%	1/10W	R332	1-216-097-00	METAL GLAZE	100K 5%	1/10W
R262	1-216-097-00	METAL GLAZE	100X 5%	1/10W	R333	1-216-097-00	METAL GLAZE	100K 5%	1/10W
R263	1-216-029-00	METAL GLAZE	150 5%	1/10W	R334	1-216-025-00	METAL GLAZE	100 5%	1/10W
R264	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R335	1-216-099-00	METAL GLAZE	120K 5%	1/10W
R265	1-216-067-00	METAL GLAZE	5.6K 5%	1/10W	R336	1-216-095-00	METAL GLAZE	82K 5%	1/10W
R266	1-216-073-00	METAL GLAZE	100 5%	1/10W	R338	1-216-025-00	METAL GLAZE	100 5%	1/10W
R267	1-216-073-00	METAL GLAZE	100 5%	1/10W	R339	1-216-099-00	METAL GLAZE	120K 5%	1/10W
R268	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R340	1-216-095-00	METAL GLAZE	82K 5%	1/10W
R269	1-216-101-00	METAL GLAZE	150K 5%	1/10W	R342	1-216-047-00	METAL GLAZE	820 5%	1/10W
R270	1-216-081-00	METAL GLAZE	220 5%	1/10W	R343	1-216-053-00	METAL GLAZE	1.5K 5%	1/10W
R271	1-216-025-00	METAL GLAZE	100 5%	1/10W	R344	1-216-664-11	METAL CHIP	3.6K 0.50%	1/10W
R272	1-216-101-00	METAL GLAZE	150X 5%	1/10W	R345	1-216-661-11	METAL CHIP	2.7K 0.50%	1/10W
R273	1-216-113-00	METAL GLAZE	470R 5%	1/10W	R346	1-216-105-00	METAL GLAZE	220K 5%	1/10W
R275	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R348	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W
R276	1-216-037-00	METAL GLAZE	330 5%	1/10W	R349	1-216-650-11	METAL CHIP	910 0.50%	1/10W
R277	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R350	1-216-653-11	METAL CHIP	1.2K 0.50%	1/10W
R278	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	R351	1-216-650-11	METAL CHIP	910 0.50%	1/10W
R279	1-216-037-00	METAL GLAZE	330 5%	1/10W	R352	1-216-653-11	METAL CHIP	1.2K 0.50%	1/10W
R280	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R353	1-216-650-11	METAL CHIP	910 0.50%	1/10W
R281	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R354	1-216-653-11	METAL CHIP	1.2K 0.50%	1/10W
R282	1-216-037-00	METAL GLAZE	330 5%	1/10W	R355	1-216-113-00	METAL GLAZE	470K 5%	1/10W
R283	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R356	1-216-113-00	METAL GLAZE	470K 5%	1/10W
R284	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	R357	1-216-095-00	METAL GLAZE	82K 5%	1/10W
R285	1-216-037-00	METAL GLAZE	330 5%	1/10W	R358	1-216-113-00	METAL GLAZE	470K 5%	1/10W
R286	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R359	1-216-081-00	METAL GLAZE	220 5%	1/10W
R287	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R360	1-216-089-00	METAL GLAZE	47K 5%	1/10W
R288	1-216-037-00	METAL GLAZE	330 5%	1/10W	R363	1-216-069-00	METAL GLAZE	6.3K 5%	1/10W
R289	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R364	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R290	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	R365	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R291	1-216-037-00	METAL GLAZE	330 5%	1/10W	R366	1-216-244-00	METAL GLAZE	82K 5%	1/BW
R292	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R367	1-216-244-00	METAL GLAZE	82K 5%	1/BW
R293	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R368	1-216-055-00	METAL GLAZE	1.8K 5%	1/10W
R295	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	R369	1-216-248-00	METAL GLAZE	120K 5%	1/BW
R296	1-216-659-11	METAL CHIP	2.2K 0.50%	1/10W	R370	1-216-115-00	METAL GLAZE	560K 5%	1/10W
R297	1-216-659-11	METAL CHIP	2.2K 0.50%	1/10W	R371	1-216-067-00	METAL GLAZE	5.6K 5%	1/10W
R298	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R372	1-216-115-00	METAL GLAZE	560K 5%	1/10W
R300	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R374	1-216-115-00	METAL GLAZE	560K 5%	1/10W
R301	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R375	1-216-683-11	METAL CHIP	22K 0.50%	1/10W
R302	1-216-113-00	METAL GLAZE	470K 5%	1/10W	R376	1-216-663-11	METAL CHIP	3.3K 0.50%	1/10W
R303	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R378	1-216-025-00	METAL GLAZE	100 5%	1/10W
R304	1-216-049-00	METAL GLAZE	1K 5%	1/10W					

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R379	I-216-641-11	METAL CHIP	390 0.50% 1/10W	R1051	I-216-105-00	METAL GLAZE	220K 5% 1/10W
R380	I-216-668-11	METAL CHIP	5.1K 0.50% 1/10W	R1058	I-216-109-00	METAL GLAZE	330K 5% 1/10W
R381	I-216-089-00	METAL GLAZE	47K 5% 1/10W	R1059	I-216-109-00	METAL GLAZE	330K 5% 1/10W
R382	I-216-025-00	METAL GLAZE	100 5% 1/10W	R1060	I-216-109-00	METAL GLAZE	330K 5% 1/10W
R383	I-216-641-11	METAL CHIP	390 0.50% 1/10W	R1061	I-216-109-00	METAL GLAZE	330K 5% 1/10W
R384	I-216-668-11	METAL CHIP	5.1K 0.50% 1/10W	R1062	I-216-103-00	METAL GLAZE	180K 5% 1/10W
R385	I-216-117-00	METAL GLAZE	680K 5% 1/10W	R1063	I-216-103-00	METAL GLAZE	180K 5% 1/10W
R386	I-216-025-00	METAL GLAZE	100 5% 1/10W	R1064	I-216-103-00	METAL GLAZE	180K 5% 1/10W
R387	I-216-641-11	METAL CHIP	390 0.50% 1/10W	R1065	I-216-103-00	METAL GLAZE	180K 5% 1/10W
R388	I-216-668-11	METAL CHIP	5.1K 0.50% 1/10W	R1066	I-216-073-00	METAL GLAZE	10K 5% 1/10W
R389	I-216-105-00	METAL GLAZE	220K 5% 1/10W	R1067	I-216-073-00	METAL GLAZE	10K 5% 1/10W
R391	I-216-081-00	METAL GLAZE	22K 5% 1/10W	R1068	I-216-049-00	METAL GLAZE	1K 5% 1/10W
R392	I-216-113-00	METAL GLAZE	470K 5% 1/10W	R1069	I-216-133-00	METAL GLAZE	3.3M 5% 1/10W
R393	I-216-085-00	METAL GLAZE	33K 5% 1/10W	R1070	I-216-085-00	METAL GLAZE	33K 5% 1/10W
R394	I-216-121-00	METAL GLAZE	1M 5% 1/10W	R1071	I-216-113-00	METAL GLAZE	470K 5% 1/10W
R397	I-249-437-11	CARBON	47K 5% 1/4W F	R1072	I-216-099-00	METAL GLAZE	120K 5% 1/10W
R398	I-249-434-11	CARBON	27K 5% 1/4W F	R1073	I-216-131-11	METAL GLAZE	2.7M 5% 1/10W
R399	I-216-073-00	METAL GLAZE	10K 5% 1/10W	R1075	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R4001	I-216-073-00	METAL GLAZE	10K 5% 1/10W	R1076	I-216-101-00	METAL GLAZE	150K 5% 1/10W
R4002	I-216-047-00	METAL GLAZE	820 5% 1/10W	R1077	I-216-103-00	METAL GLAZE	180K 5% 1/10W
R1003	I-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R1078	I-216-085-00	METAL GLAZE	33K 5% 1/10W
R1004	I-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1079	I-216-073-00	METAL GLAZE	10K 5% 1/10W
R1005	I-216-047-00	METAL GLAZE	820 5% 1/10W	R1080	I-216-097-00	METAL GLAZE	100R 5% 1/10W
R1006	I-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R1081	I-216-097-00	METAL GLAZE	100K 5% 1/10W
R1007	I-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1083	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1008	I-216-047-00	METAL GLAZE	820 5% 1/10W	R1084	I-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R1009	I-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R1088	I-216-047-00	METAL GLAZE	820 5% 1/10W
R1010	I-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1090	I-216-045-00	METAL GLAZE	680 5% 1/10W
R1011	I-216-033-00	METAL GLAZE	220 5% 1/10W	R1091	I-216-045-00	METAL GLAZE	680 5% 1/10W
R1012	I-216-051-00	METAL GLAZE	1.2K 5% 1/10W	R1092	I-216-045-00	METAL GLAZE	680 5% 1/10W
R1013	I-216-051-00	METAL GLAZE	1.2K 5% 1/10W	R1093	I-216-121-00	METAL GLAZE	1M 5% 1/10W
R1014	I-216-246-00	METAL GLAZE	100K 5% 1/8W	R1094	I-216-075-00	METAL GLAZE	12K 5% 1/10W
R1015	I-216-033-00	METAL GLAZE	220 5% 1/10W	R1095	I-216-075-00	METAL GLAZE	12K 5% 1/10W
R1016	I-216-089-00	METAL GLAZE	47K 5% 1/10W	R1096	I-216-075-00	METAL GLAZE	12K 5% 1/10W
R1017	I-216-045-00	METAL GLAZE	680 5% 1/10W	R1200	I-216-659-11	METAL CHIP	100K 0.50% 1/10W
R1018	I-216-043-00	METAL GLAZE	560 5% 1/10W	R1201	I-218-754-11	METAL CHIP	120K 0.50% 1/10W
R1019	I-216-033-00	METAL GLAZE	220 5% 1/10W	R1207	I-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R1020	I-216-089-00	METAL GLAZE	47K 5% 1/10W	R1208	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1021	I-216-045-00	METAL GLAZE	680 5% 1/10W	R1220	I-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R1022	I-216-025-00	METAL GLAZE	100 5% 1/10W	R1221	I-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R1023	I-216-073-00	METAL GLAZE	10K 5% 1/10W	R1222	I-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R1024	I-216-025-00	METAL GLAZE	100 5% 1/10W	R1223	I-216-689-11	METAL GLAZE	39K 5% 1/10W
R1025	I-216-033-00	METAL GLAZE	220 5% 1/10W	R1225	I-215-876-00	METAL OXIDE	15K 5% 1W F
R1026	I-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1226	I-215-876-00	METAL OXIDE	15K 5% 1W F
R1027	I-216-101-00	METAL GLAZE	150K 5% 1/10W	R1227	I-215-876-00	METAL OXIDE	15K 5% 1W F
R1028	I-216-033-00	METAL GLAZE	220 5% 1/10W	R1228	I-249-421-11	CARBON	2.2K 5% 1/4W F
R1029	I-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1229	I-249-421-11	CARBON	2.2K 5% 1/4W F
R1031	I-216-033-00	METAL GLAZE	220 5% 1/10W	R1230	I-249-421-11	CARBON	2.2K 5% 1/4W F
R1032	I-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1231	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1033	I-216-081-00	METAL GLAZE	22K 5% 1/10W	R1232	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1034	I-216-089-00	METAL GLAZE	47K 5% 1/10W	R1233	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1035	I-216-073-00	METAL GLAZE	10K 5% 1/10W	R1234	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1036	I-216-089-00	METAL GLAZE	47K 5% 1/10W	R1235	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1038	I-216-081-00	METAL GLAZE	22K 5% 1/10W	R1236	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1040	I-216-025-00	METAL GLAZE	100 5% 1/10W	R1237	I-249-419-11	CARBON	1.5K 5% 1/4W F
R1042	I-216-047-00	METAL GLAZE	820 5% 1/10W	R1238	I-249-419-11	CARBON	1.5K 5% 1/4W F
R1043	I-216-073-00	METAL GLAZE	2.2K 5% 1/10W	R1239	I-249-419-11	CARBON	1.5K 5% 1/4W F
R1044	I-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1270	I-216-079-00	METAL GLAZE	18K 5% 1/10W
R1045	I-216-125-00	METAL GLAZE	1.5M 5% 1/10W	R1280	I-216-109-00	METAL GLAZE	330K 5% 1/10W
R1046	I-216-689-11	METAL CHIP	39K 0.50% 1/10W	R1290	I-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1047	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1291	I-216-086-00	METAL GLAZE	22K 5% 1/10W
R1048	I-216-049-00	METAL GLAZE	1K 5% 1/10W	R1294	I-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R1049	I-216-085-00	METAL GLAZE	33K 5% 1/10W	R1295	I-216-109-00	METAL GLAZE	330K 5% 1/10W
R1050	I-216-059-00	METAL GLAZE	2.7K 5% 1/10W				



The components identified by shading and mark **A** are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
R1296	1-216-095-00	METAL GLAZE	82K 5%	1/10W	RV105	1-238-012-11	RES, ADJ. CARBON 1K	
R1297	1-216-077-00	METAL GLAZE	15K 5%	1/10W	RV106	1-238-012-11	RES, ADJ. CARBON 1K	
R1298	1-216-077-00	METAL GLAZE	15K 5%	1/10W	RV107	1-238-012-11	RES, ADJ. CARBON 1K	
R1299	1-216-075-00	METAL GLAZE	12K 5%	1/10W	RV108	1-238-016-11	RES, ADJ. CARBON 10K	
R1300	1-216-089-00	METAL GLAZE	47K 5%	1/10W	RV109	1-241-765-21	RES, ADJ. CERMET 22K	
R1301	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	RV110	1-238-016-11	RES, ADJ. CARBON 10K	
R1302	1-216-113-00	METAL GLAZE	470K 5%	1/10W	RV111	1-238-016-11	RES, ADJ. CARBON 10K	
R1303	1-216-113-00	METAL GLAZE	470K 5%	1/10W	RV112	1-238-019-11	RES, ADJ. CARBON 47K	
R1304	1-216-093-00	METAL GLAZE	68K 5%	1/10W	RV113	1-238-019-11	RES, ADJ. CARBON 47K	
R1305	1-216-586-11	METAL CHIP	30K 0.50%	1/10W	RV114	1-238-019-11	RES, ADJ. CARBON 47K	
R1306	1-216-063-00	METAL GLAZE	3.9K 5%	1/10W	RV115	1-238-017-11	RES, ADJ. CARBON 22K	
R1307	1-216-041-00	METAL GLAZE	470 5%	1/10W	RV116	1-238-017-11	RES, ADJ. CARBON 22K	
R1308	1-216-041-00	METAL GLAZE	470 5%	1/10W	RV118	1-238-017-11	RES, ADJ. CARBON 22K	
R1309	1-216-063-00	METAL GLAZE	3.9K 5%	1/10W	RV119	1-238-017-11	RES, ADJ. CARBON 22K	
R1310	1-216-119-00	METAL GLAZE	820K 5%	1/10W	RV120	1-238-017-11	RES, ADJ. CARBON 22K	
R1311	1-216-101-00	METAL GLAZE	150K 5%	1/10W	RV121	1-238-017-11	RES, ADJ. CARBON 22K	
R1314	1-216-053-00	METAL GLAZE	1.5K 5%	1/10W	RV122	1-238-017-11	RES, ADJ. CARBON 22K	
R1315	1-216-077-00	METAL GLAZE	15K 5%	1/10W	RV123	1-238-013-11	RES, ADJ. CARBON 2.2K	
R1320	1-216-083-00	METAL GLAZE	27K 5%	1/10W	RV124	1-238-012-11	RES, ADJ. CARBON 1K	
R1321	1-216-093-00	METAL GLAZE	68K 5%	1/10W	RV125	1-238-012-11	RES, ADJ. CARBON 1K	
R1322	1-216-037-00	METAL GLAZE	330 5%	1/10W	RV205	1-238-017-11	RES, ADJ. CARBON 22K	
R1323	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W		<MODULE>		
R1324	1-216-121-00	METAL GLAZE	1M 5%	1/10W	SEP101	1-808-654-11	MODULE	
R1325	1-216-085-00	METAL GLAZE	33K 5%	1/10W		<CRYSTAL>		
R1326	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	X101	1-527-722-00	OSCILLATOR, CRYSTAL	
R1327	1-216-099-00	METAL GLAZE	120K 5%	1/10W	X102	1-577-259-11	VIBRATOR, CRYSTAL	
R1328	1-216-099-00	METAL GLAZE	120K 5%	1/10W		*****		
R1329	1-216-093-00	METAL GLAZE	68K 5%	1/10W	*A-1190-164-A	P BOARD, COMPLETE		
R1330	1-216-063-00	METAL GLAZE	3.9K 5%	1/10W		*****		
R1331	1-216-051-00	METAL GLAZE	1.2K 5%	1/10W				
R1332	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W				
R1333	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W				
R1334	1-216-055-00	METAL GLAZE	1.8K 5%	1/10W				
R1335	1-216-035-00	METAL GLAZE	270 5%	1/10W				
R1336	1-216-089-00	METAL GLAZE	47K 5%	1/10W				
R1337	1-216-113-00	METAL GLAZE	470K 5%	1/10W				
R1338	1-216-049-00	METAL GLAZE	1K 5%	1/10W				
R1339	1-216-097-00	METAL GLAZE	100R 5%	1/10W				
R1340	1-216-097-00	METAL GLAZE	100R 5%	1/10W				
R1341	1-216-111-00	METAL GLAZE	390K 5%	1/10W				
R1342	1-216-694-11	METAL CHIP	62K 0.50%	1/10W				
R1343	1-216-121-00	METAL GLAZE	1M 5%	1/10W				
R1344	1-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1345	1-216-055-00	METAL GLAZE	1.8K 5%	1/10W				
R1346	1-216-047-00	METAL GLAZE	820 5%	1/10W				
R1347	1-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1348	1-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1349	1-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1350	1-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1351	1-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1352	1-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1353	1-216-115-00	METAL GLAZE	560K 5%	1/10W				
R1371	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W				
R1372	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W				
R1373	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W				
R1392	1-216-089-00	METAL GLAZE	47K 5%	1/10W				
R1393	1-216-109-00	METAL GLAZE	330K 5%	1/10W				
		<VARIABLE RESISTOR>						
RV101	1-241-763-11	RES, ADJ. CERMET	4.7K		C816	1-124-798-11	ELECT	1MF 20% 160V
RV102	1-241-763-11	RES, ADJ. CERMET	4.7K		C817	1-130-800-00	FILM	2.2MF 10% 250V
RV103	1-238-009-11	RES, ADJ. CARBON	220		C818	1-102-228-00	CERAMIC	470PF 10% 500V
RV104	1-238-009-11	RES, ADJ. CARBON	220		C819	1-106-367-00	MYLAR	0.01MF 10% 100V
					C820	1-106-375-12	MYLAR	0.022MF 10% 100V
					C815	1-126-233-11	ELECT	22MF 20% 50V
					C816	1-124-798-11	ELECT	1MF 20% 160V
					C817	1-130-800-00	FILM	2.2MF 10% 250V
					C818	1-102-228-00	CERAMIC	470PF 10% 500V
					C819	1-162-116-00	CERAMIC	680PF 10% 2KV
					C820	1-162-116-00	CERAMIC	680PF 10% 2KV
					C821	1-162-116-00	CERAMIC	680PF 10% 2KV

P Fc QB

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **A** are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK																																																																																																																																																																																																																																																																																																																																																																																																				
<CONNECTOR>																																																																																																																																																																																																																																																																																																																																																																																																											
CN801	#1-564-595-11	PLUG, CONNECTOR 14P		J802	#1-439-526-11	TRANSFORMER ASSY, FLYBACK																																																																																																																																																																																																																																																																																																																																																																																																					
CN802	#1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P		CN803	#1-564-508-11	PLUG, CONNECTOR 5P		*1-644-021-11	FC BOARD	*****		CN805	#1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		<DIODE>								D801	8-719-300-33	DIODE RU-3AM		*4-341-751-01	EYELLET	EY3, EY4		D802	8-719-300-33	DIODE RU-3AM		*4-341-752-01	EYELLET	EY1, EY2, EY3, EY4		D803	8-719-300-33	DIODE RU-3AM		D804	8-719-979-85	DIODE EGP20G		<CONNECTOR>								D805	8-719-300-33	DIODE RU-3AM		D806	8-719-300-33	DIODE RU-3AM		CN601	#1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P		D807	8-719-105-X1	DIODE DOD_2M_B1		D808	8-719-018-72	THYRISTOR CR02AM-4TB		CN602	#1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		D809	8-719-911-55	DIODE U05G		D810	8-719-911-55	DIODE U05G		CN603	#1-564-507-11	PLUG, CONNECTOR 4P		D811	8-719-911-55	DIODE U05G		D813	8-719-300-33	DIODE RU-3AM		<fuse>								<DIOL>								L802	1-459-442-00	COIL (WITH CORE)		F601	#1-576-230-11	FUSE (THERMAL) 3A/15A/250V		L803	1-422-613-11	COIL, AIR CORE		1-533-223-11	CLIP, FUSE: F601			L804	1-459-109-00	COIL, DUST CORE		L805	#1-460-346-11	COIL, HORIZONTAL LINEARITY		<RESISTOR>								L806	1-414-099-11	INDUCTOR, MICRO		L807	1-414-099-11	INDUCTOR, MICRO		R602	1-202-721-00	SOLID	1.5K 20% 1/2W	<NEON LAMP>				<SWITCH>								NL801	1-519-108-XX	LAMP, NEON		<TRANSISTOR>								Q801	8-729-195-82	TRANSISTOR 2SC2958-L		S601	#1-569-050-11	SWITCH, PUSH (AC POWER) 1KEY		Q802	8-729-201-62	TRANSISTOR 2SC2555-2		Q803	8-729-906-24	TRANSISTOR 2SD835		*A-1275-104-A	QB BOARD, COMPLETE	*****		<RESISTOR>				<CAPACITOR>								R801	1-249-383-11	CARBON 1.5 5%	1/4W F	C401	1-124-234-00	ELECT	22MF 20% 16V	R802	1-249-377-11	CARBON 0.47 5%	1/4W F	C402	1-163-031-11	CERAMIC CHIP 0.01nF	50V	R803	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C405	1-124-234-00	ELECT	22MF 20% 16V	R804	1-249-419-11	CARBON 1.5K 5%	1/4W F	C409	1-124-234-00	ELECT	22MF 20% 16V	R805	1-215-892-11	METAL OXIDE 1K 5%	2W F	C410	1-124-234-00	ELECT	22MF 20% 16V	R807	1-216-425-11	METAL OXIDE 56 5%	1W F	C411	1-124-234-00	ELECT	22MF 20% 16V	R808	1-202-846-00	SOLID 470K 20%	1W F	C412	1-124-234-00	ELECT	22MF 20% 16V	R809	1-216-089-00	METAL GLAZE 47K 5%	1/10W	C414	1-126-157-11	ELECT	10MF 20% 16V	R810	1-249-421-11	CARBON 2.2K 5%	1/4W F	C415	1-126-157-11	ELECT	10MF 20% 16V	R811	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C418	1-126-157-11	ELECT	10MF 20% 16V	R812	1-249-439-11	CARBON 68K 5%	1/4W F	C419	1-126-157-11	ELECT	10MF 20% 16V	R813	1-249-414-11	CARBON 560 5%	1/4W F	C420	1-126-157-11	ELECT	10MF 20% 16V	R814	1-249-377-11	CARBON 0.47 5%	1/4W F	C421	1-102-125-00	CERAMIC 0.0047nF	50V	<VARIABLE RESISTOR>								RV801	1-223-102-00	RES, ADJ, WIREWOUND 120		C422	1-124-464-11	ELECT	0.22MF 20% 50V	<TRANSFORMER>								T801	1-437-082-31	HDT		C423	1-126-157-11	ELECT	10MF 20% 16V	<TRANSFORMER>				<TRANSFORMER>								C424	1-126-157-11	ELECT	10MF 20% 16V	C429	1-124-234-00	ELECT	22MF 20% 16V	C430	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C438	1-124-234-00	ELECT	22MF 20% 16V	C439	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C440	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C441	1-124-234-00	ELECT	22MF 20% 16V	C442	1-163-033-00	CERAMIC CHIP 0.022nF	50V
CN803	#1-564-508-11	PLUG, CONNECTOR 5P		*1-644-021-11	FC BOARD	*****																																																																																																																																																																																																																																																																																																																																																																																																					
CN805	#1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		<DIODE>								D801	8-719-300-33	DIODE RU-3AM		*4-341-751-01	EYELLET	EY3, EY4		D802	8-719-300-33	DIODE RU-3AM		*4-341-752-01	EYELLET	EY1, EY2, EY3, EY4		D803	8-719-300-33	DIODE RU-3AM		D804	8-719-979-85	DIODE EGP20G		<CONNECTOR>								D805	8-719-300-33	DIODE RU-3AM		D806	8-719-300-33	DIODE RU-3AM		CN601	#1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P		D807	8-719-105-X1	DIODE DOD_2M_B1		D808	8-719-018-72	THYRISTOR CR02AM-4TB		CN602	#1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		D809	8-719-911-55	DIODE U05G		D810	8-719-911-55	DIODE U05G		CN603	#1-564-507-11	PLUG, CONNECTOR 4P		D811	8-719-911-55	DIODE U05G		D813	8-719-300-33	DIODE RU-3AM		<fuse>								<DIOL>								L802	1-459-442-00	COIL (WITH CORE)		F601	#1-576-230-11	FUSE (THERMAL) 3A/15A/250V		L803	1-422-613-11	COIL, AIR CORE		1-533-223-11	CLIP, FUSE: F601			L804	1-459-109-00	COIL, DUST CORE		L805	#1-460-346-11	COIL, HORIZONTAL LINEARITY		<RESISTOR>								L806	1-414-099-11	INDUCTOR, MICRO		L807	1-414-099-11	INDUCTOR, MICRO		R602	1-202-721-00	SOLID	1.5K 20% 1/2W	<NEON LAMP>				<SWITCH>								NL801	1-519-108-XX	LAMP, NEON		<TRANSISTOR>								Q801	8-729-195-82	TRANSISTOR 2SC2958-L		S601	#1-569-050-11	SWITCH, PUSH (AC POWER) 1KEY		Q802	8-729-201-62	TRANSISTOR 2SC2555-2		Q803	8-729-906-24	TRANSISTOR 2SD835		*A-1275-104-A	QB BOARD, COMPLETE	*****		<RESISTOR>				<CAPACITOR>								R801	1-249-383-11	CARBON 1.5 5%	1/4W F	C401	1-124-234-00	ELECT	22MF 20% 16V	R802	1-249-377-11	CARBON 0.47 5%	1/4W F	C402	1-163-031-11	CERAMIC CHIP 0.01nF	50V	R803	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C405	1-124-234-00	ELECT	22MF 20% 16V	R804	1-249-419-11	CARBON 1.5K 5%	1/4W F	C409	1-124-234-00	ELECT	22MF 20% 16V	R805	1-215-892-11	METAL OXIDE 1K 5%	2W F	C410	1-124-234-00	ELECT	22MF 20% 16V	R807	1-216-425-11	METAL OXIDE 56 5%	1W F	C411	1-124-234-00	ELECT	22MF 20% 16V	R808	1-202-846-00	SOLID 470K 20%	1W F	C412	1-124-234-00	ELECT	22MF 20% 16V	R809	1-216-089-00	METAL GLAZE 47K 5%	1/10W	C414	1-126-157-11	ELECT	10MF 20% 16V	R810	1-249-421-11	CARBON 2.2K 5%	1/4W F	C415	1-126-157-11	ELECT	10MF 20% 16V	R811	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C418	1-126-157-11	ELECT	10MF 20% 16V	R812	1-249-439-11	CARBON 68K 5%	1/4W F	C419	1-126-157-11	ELECT	10MF 20% 16V	R813	1-249-414-11	CARBON 560 5%	1/4W F	C420	1-126-157-11	ELECT	10MF 20% 16V	R814	1-249-377-11	CARBON 0.47 5%	1/4W F	C421	1-102-125-00	CERAMIC 0.0047nF	50V	<VARIABLE RESISTOR>								RV801	1-223-102-00	RES, ADJ, WIREWOUND 120		C422	1-124-464-11	ELECT	0.22MF 20% 50V	<TRANSFORMER>								T801	1-437-082-31	HDT		C423	1-126-157-11	ELECT	10MF 20% 16V	<TRANSFORMER>				<TRANSFORMER>								C424	1-126-157-11	ELECT	10MF 20% 16V	C429	1-124-234-00	ELECT	22MF 20% 16V	C430	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C438	1-124-234-00	ELECT	22MF 20% 16V	C439	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C440	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C441	1-124-234-00	ELECT	22MF 20% 16V	C442	1-163-033-00	CERAMIC CHIP 0.022nF	50V												
<DIODE>																																																																																																																																																																																																																																																																																																																																																																																																											
D801	8-719-300-33	DIODE RU-3AM		*4-341-751-01	EYELLET	EY3, EY4																																																																																																																																																																																																																																																																																																																																																																																																					
D802	8-719-300-33	DIODE RU-3AM		*4-341-752-01	EYELLET	EY1, EY2, EY3, EY4																																																																																																																																																																																																																																																																																																																																																																																																					
D803	8-719-300-33	DIODE RU-3AM		D804	8-719-979-85	DIODE EGP20G		<CONNECTOR>								D805	8-719-300-33	DIODE RU-3AM		D806	8-719-300-33	DIODE RU-3AM		CN601	#1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P		D807	8-719-105-X1	DIODE DOD_2M_B1		D808	8-719-018-72	THYRISTOR CR02AM-4TB		CN602	#1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		D809	8-719-911-55	DIODE U05G		D810	8-719-911-55	DIODE U05G		CN603	#1-564-507-11	PLUG, CONNECTOR 4P		D811	8-719-911-55	DIODE U05G		D813	8-719-300-33	DIODE RU-3AM		<fuse>								<DIOL>								L802	1-459-442-00	COIL (WITH CORE)		F601	#1-576-230-11	FUSE (THERMAL) 3A/15A/250V		L803	1-422-613-11	COIL, AIR CORE		1-533-223-11	CLIP, FUSE: F601			L804	1-459-109-00	COIL, DUST CORE		L805	#1-460-346-11	COIL, HORIZONTAL LINEARITY		<RESISTOR>								L806	1-414-099-11	INDUCTOR, MICRO		L807	1-414-099-11	INDUCTOR, MICRO		R602	1-202-721-00	SOLID	1.5K 20% 1/2W	<NEON LAMP>				<SWITCH>								NL801	1-519-108-XX	LAMP, NEON		<TRANSISTOR>								Q801	8-729-195-82	TRANSISTOR 2SC2958-L		S601	#1-569-050-11	SWITCH, PUSH (AC POWER) 1KEY		Q802	8-729-201-62	TRANSISTOR 2SC2555-2		Q803	8-729-906-24	TRANSISTOR 2SD835		*A-1275-104-A	QB BOARD, COMPLETE	*****		<RESISTOR>				<CAPACITOR>								R801	1-249-383-11	CARBON 1.5 5%	1/4W F	C401	1-124-234-00	ELECT	22MF 20% 16V	R802	1-249-377-11	CARBON 0.47 5%	1/4W F	C402	1-163-031-11	CERAMIC CHIP 0.01nF	50V	R803	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C405	1-124-234-00	ELECT	22MF 20% 16V	R804	1-249-419-11	CARBON 1.5K 5%	1/4W F	C409	1-124-234-00	ELECT	22MF 20% 16V	R805	1-215-892-11	METAL OXIDE 1K 5%	2W F	C410	1-124-234-00	ELECT	22MF 20% 16V	R807	1-216-425-11	METAL OXIDE 56 5%	1W F	C411	1-124-234-00	ELECT	22MF 20% 16V	R808	1-202-846-00	SOLID 470K 20%	1W F	C412	1-124-234-00	ELECT	22MF 20% 16V	R809	1-216-089-00	METAL GLAZE 47K 5%	1/10W	C414	1-126-157-11	ELECT	10MF 20% 16V	R810	1-249-421-11	CARBON 2.2K 5%	1/4W F	C415	1-126-157-11	ELECT	10MF 20% 16V	R811	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C418	1-126-157-11	ELECT	10MF 20% 16V	R812	1-249-439-11	CARBON 68K 5%	1/4W F	C419	1-126-157-11	ELECT	10MF 20% 16V	R813	1-249-414-11	CARBON 560 5%	1/4W F	C420	1-126-157-11	ELECT	10MF 20% 16V	R814	1-249-377-11	CARBON 0.47 5%	1/4W F	C421	1-102-125-00	CERAMIC 0.0047nF	50V	<VARIABLE RESISTOR>								RV801	1-223-102-00	RES, ADJ, WIREWOUND 120		C422	1-124-464-11	ELECT	0.22MF 20% 50V	<TRANSFORMER>								T801	1-437-082-31	HDT		C423	1-126-157-11	ELECT	10MF 20% 16V	<TRANSFORMER>				<TRANSFORMER>								C424	1-126-157-11	ELECT	10MF 20% 16V	C429	1-124-234-00	ELECT	22MF 20% 16V	C430	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C438	1-124-234-00	ELECT	22MF 20% 16V	C439	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C440	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C441	1-124-234-00	ELECT	22MF 20% 16V	C442	1-163-033-00	CERAMIC CHIP 0.022nF	50V																																								
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D808	8-719-018-72	THYRISTOR CR02AM-4TB		CN602	#1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P																																																																																																																																																																																																																																																																																																																																																																																																					
D809	8-719-911-55	DIODE U05G		D810	8-719-911-55	DIODE U05G		CN603	#1-564-507-11	PLUG, CONNECTOR 4P		D811	8-719-911-55	DIODE U05G		D813	8-719-300-33	DIODE RU-3AM		<fuse>								<DIOL>								L802	1-459-442-00	COIL (WITH CORE)		F601	#1-576-230-11	FUSE (THERMAL) 3A/15A/250V		L803	1-422-613-11	COIL, AIR CORE		1-533-223-11	CLIP, FUSE: F601			L804	1-459-109-00	COIL, DUST CORE		L805	#1-460-346-11	COIL, HORIZONTAL LINEARITY		<RESISTOR>								L806	1-414-099-11	INDUCTOR, MICRO		L807	1-414-099-11	INDUCTOR, MICRO		R602	1-202-721-00	SOLID	1.5K 20% 1/2W	<NEON LAMP>				<SWITCH>								NL801	1-519-108-XX	LAMP, NEON		<TRANSISTOR>								Q801	8-729-195-82	TRANSISTOR 2SC2958-L		S601	#1-569-050-11	SWITCH, PUSH (AC POWER) 1KEY		Q802	8-729-201-62	TRANSISTOR 2SC2555-2		Q803	8-729-906-24	TRANSISTOR 2SD835		*A-1275-104-A	QB BOARD, COMPLETE	*****		<RESISTOR>				<CAPACITOR>								R801	1-249-383-11	CARBON 1.5 5%	1/4W F	C401	1-124-234-00	ELECT	22MF 20% 16V	R802	1-249-377-11	CARBON 0.47 5%	1/4W F	C402	1-163-031-11	CERAMIC CHIP 0.01nF	50V	R803	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C405	1-124-234-00	ELECT	22MF 20% 16V	R804	1-249-419-11	CARBON 1.5K 5%	1/4W F	C409	1-124-234-00	ELECT	22MF 20% 16V	R805	1-215-892-11	METAL OXIDE 1K 5%	2W F	C410	1-124-234-00	ELECT	22MF 20% 16V	R807	1-216-425-11	METAL OXIDE 56 5%	1W F	C411	1-124-234-00	ELECT	22MF 20% 16V	R808	1-202-846-00	SOLID 470K 20%	1W F	C412	1-124-234-00	ELECT	22MF 20% 16V	R809	1-216-089-00	METAL GLAZE 47K 5%	1/10W	C414	1-126-157-11	ELECT	10MF 20% 16V	R810	1-249-421-11	CARBON 2.2K 5%	1/4W F	C415	1-126-157-11	ELECT	10MF 20% 16V	R811	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C418	1-126-157-11	ELECT	10MF 20% 16V	R812	1-249-439-11	CARBON 68K 5%	1/4W F	C419	1-126-157-11	ELECT	10MF 20% 16V	R813	1-249-414-11	CARBON 560 5%	1/4W F	C420	1-126-157-11	ELECT	10MF 20% 16V	R814	1-249-377-11	CARBON 0.47 5%	1/4W F	C421	1-102-125-00	CERAMIC 0.0047nF	50V	<VARIABLE RESISTOR>								RV801	1-223-102-00	RES, ADJ, WIREWOUND 120		C422	1-124-464-11	ELECT	0.22MF 20% 50V	<TRANSFORMER>								T801	1-437-082-31	HDT		C423	1-126-157-11	ELECT	10MF 20% 16V	<TRANSFORMER>				<TRANSFORMER>								C424	1-126-157-11	ELECT	10MF 20% 16V	C429	1-124-234-00	ELECT	22MF 20% 16V	C430	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C438	1-124-234-00	ELECT	22MF 20% 16V	C439	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C440	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C441	1-124-234-00	ELECT	22MF 20% 16V	C442	1-163-033-00	CERAMIC CHIP 0.022nF	50V																																																																																
D810	8-719-911-55	DIODE U05G		CN603	#1-564-507-11	PLUG, CONNECTOR 4P																																																																																																																																																																																																																																																																																																																																																																																																					
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L805	#1-460-346-11	COIL, HORIZONTAL LINEARITY		<RESISTOR>																																																																																																																																																																																																																																																																																																																																																																																																							
L806	1-414-099-11	INDUCTOR, MICRO		L807	1-414-099-11	INDUCTOR, MICRO		R602	1-202-721-00	SOLID	1.5K 20% 1/2W	<NEON LAMP>				<SWITCH>								NL801	1-519-108-XX	LAMP, NEON		<TRANSISTOR>								Q801	8-729-195-82	TRANSISTOR 2SC2958-L		S601	#1-569-050-11	SWITCH, PUSH (AC POWER) 1KEY		Q802	8-729-201-62	TRANSISTOR 2SC2555-2		Q803	8-729-906-24	TRANSISTOR 2SD835		*A-1275-104-A	QB BOARD, COMPLETE	*****		<RESISTOR>				<CAPACITOR>								R801	1-249-383-11	CARBON 1.5 5%	1/4W F	C401	1-124-234-00	ELECT	22MF 20% 16V	R802	1-249-377-11	CARBON 0.47 5%	1/4W F	C402	1-163-031-11	CERAMIC CHIP 0.01nF	50V	R803	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C405	1-124-234-00	ELECT	22MF 20% 16V	R804	1-249-419-11	CARBON 1.5K 5%	1/4W F	C409	1-124-234-00	ELECT	22MF 20% 16V	R805	1-215-892-11	METAL OXIDE 1K 5%	2W F	C410	1-124-234-00	ELECT	22MF 20% 16V	R807	1-216-425-11	METAL OXIDE 56 5%	1W F	C411	1-124-234-00	ELECT	22MF 20% 16V	R808	1-202-846-00	SOLID 470K 20%	1W F	C412	1-124-234-00	ELECT	22MF 20% 16V	R809	1-216-089-00	METAL GLAZE 47K 5%	1/10W	C414	1-126-157-11	ELECT	10MF 20% 16V	R810	1-249-421-11	CARBON 2.2K 5%	1/4W F	C415	1-126-157-11	ELECT	10MF 20% 16V	R811	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C418	1-126-157-11	ELECT	10MF 20% 16V	R812	1-249-439-11	CARBON 68K 5%	1/4W F	C419	1-126-157-11	ELECT	10MF 20% 16V	R813	1-249-414-11	CARBON 560 5%	1/4W F	C420	1-126-157-11	ELECT	10MF 20% 16V	R814	1-249-377-11	CARBON 0.47 5%	1/4W F	C421	1-102-125-00	CERAMIC 0.0047nF	50V	<VARIABLE RESISTOR>								RV801	1-223-102-00	RES, ADJ, WIREWOUND 120		C422	1-124-464-11	ELECT	0.22MF 20% 50V	<TRANSFORMER>								T801	1-437-082-31	HDT		C423	1-126-157-11	ELECT	10MF 20% 16V	<TRANSFORMER>				<TRANSFORMER>								C424	1-126-157-11	ELECT	10MF 20% 16V	C429	1-124-234-00	ELECT	22MF 20% 16V	C430	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C438	1-124-234-00	ELECT	22MF 20% 16V	C439	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C440	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C441	1-124-234-00	ELECT	22MF 20% 16V	C442	1-163-033-00	CERAMIC CHIP 0.022nF	50V																																																																																																																																																				
L807	1-414-099-11	INDUCTOR, MICRO		R602	1-202-721-00	SOLID	1.5K 20% 1/2W																																																																																																																																																																																																																																																																																																																																																																																																				
<NEON LAMP>				<SWITCH>																																																																																																																																																																																																																																																																																																																																																																																																							
NL801	1-519-108-XX	LAMP, NEON		<TRANSISTOR>								Q801	8-729-195-82	TRANSISTOR 2SC2958-L		S601	#1-569-050-11	SWITCH, PUSH (AC POWER) 1KEY		Q802	8-729-201-62	TRANSISTOR 2SC2555-2		Q803	8-729-906-24	TRANSISTOR 2SD835		*A-1275-104-A	QB BOARD, COMPLETE	*****		<RESISTOR>				<CAPACITOR>								R801	1-249-383-11	CARBON 1.5 5%	1/4W F	C401	1-124-234-00	ELECT	22MF 20% 16V	R802	1-249-377-11	CARBON 0.47 5%	1/4W F	C402	1-163-031-11	CERAMIC CHIP 0.01nF	50V	R803	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C405	1-124-234-00	ELECT	22MF 20% 16V	R804	1-249-419-11	CARBON 1.5K 5%	1/4W F	C409	1-124-234-00	ELECT	22MF 20% 16V	R805	1-215-892-11	METAL OXIDE 1K 5%	2W F	C410	1-124-234-00	ELECT	22MF 20% 16V	R807	1-216-425-11	METAL OXIDE 56 5%	1W F	C411	1-124-234-00	ELECT	22MF 20% 16V	R808	1-202-846-00	SOLID 470K 20%	1W F	C412	1-124-234-00	ELECT	22MF 20% 16V	R809	1-216-089-00	METAL GLAZE 47K 5%	1/10W	C414	1-126-157-11	ELECT	10MF 20% 16V	R810	1-249-421-11	CARBON 2.2K 5%	1/4W F	C415	1-126-157-11	ELECT	10MF 20% 16V	R811	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C418	1-126-157-11	ELECT	10MF 20% 16V	R812	1-249-439-11	CARBON 68K 5%	1/4W F	C419	1-126-157-11	ELECT	10MF 20% 16V	R813	1-249-414-11	CARBON 560 5%	1/4W F	C420	1-126-157-11	ELECT	10MF 20% 16V	R814	1-249-377-11	CARBON 0.47 5%	1/4W F	C421	1-102-125-00	CERAMIC 0.0047nF	50V	<VARIABLE RESISTOR>								RV801	1-223-102-00	RES, ADJ, WIREWOUND 120		C422	1-124-464-11	ELECT	0.22MF 20% 50V	<TRANSFORMER>								T801	1-437-082-31	HDT		C423	1-126-157-11	ELECT	10MF 20% 16V	<TRANSFORMER>				<TRANSFORMER>								C424	1-126-157-11	ELECT	10MF 20% 16V	C429	1-124-234-00	ELECT	22MF 20% 16V	C430	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C438	1-124-234-00	ELECT	22MF 20% 16V	C439	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C440	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C441	1-124-234-00	ELECT	22MF 20% 16V	C442	1-163-033-00	CERAMIC CHIP 0.022nF	50V																																																																																																																																																																												
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Q801	8-729-195-82	TRANSISTOR 2SC2958-L		S601	#1-569-050-11	SWITCH, PUSH (AC POWER) 1KEY																																																																																																																																																																																																																																																																																																																																																																																																					
Q802	8-729-201-62	TRANSISTOR 2SC2555-2		Q803	8-729-906-24	TRANSISTOR 2SD835		*A-1275-104-A	QB BOARD, COMPLETE	*****		<RESISTOR>				<CAPACITOR>								R801	1-249-383-11	CARBON 1.5 5%	1/4W F	C401	1-124-234-00	ELECT	22MF 20% 16V	R802	1-249-377-11	CARBON 0.47 5%	1/4W F	C402	1-163-031-11	CERAMIC CHIP 0.01nF	50V	R803	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C405	1-124-234-00	ELECT	22MF 20% 16V	R804	1-249-419-11	CARBON 1.5K 5%	1/4W F	C409	1-124-234-00	ELECT	22MF 20% 16V	R805	1-215-892-11	METAL OXIDE 1K 5%	2W F	C410	1-124-234-00	ELECT	22MF 20% 16V	R807	1-216-425-11	METAL OXIDE 56 5%	1W F	C411	1-124-234-00	ELECT	22MF 20% 16V	R808	1-202-846-00	SOLID 470K 20%	1W F	C412	1-124-234-00	ELECT	22MF 20% 16V	R809	1-216-089-00	METAL GLAZE 47K 5%	1/10W	C414	1-126-157-11	ELECT	10MF 20% 16V	R810	1-249-421-11	CARBON 2.2K 5%	1/4W F	C415	1-126-157-11	ELECT	10MF 20% 16V	R811	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C418	1-126-157-11	ELECT	10MF 20% 16V	R812	1-249-439-11	CARBON 68K 5%	1/4W F	C419	1-126-157-11	ELECT	10MF 20% 16V	R813	1-249-414-11	CARBON 560 5%	1/4W F	C420	1-126-157-11	ELECT	10MF 20% 16V	R814	1-249-377-11	CARBON 0.47 5%	1/4W F	C421	1-102-125-00	CERAMIC 0.0047nF	50V	<VARIABLE RESISTOR>								RV801	1-223-102-00	RES, ADJ, WIREWOUND 120		C422	1-124-464-11	ELECT	0.22MF 20% 50V	<TRANSFORMER>								T801	1-437-082-31	HDT		C423	1-126-157-11	ELECT	10MF 20% 16V	<TRANSFORMER>				<TRANSFORMER>								C424	1-126-157-11	ELECT	10MF 20% 16V	C429	1-124-234-00	ELECT	22MF 20% 16V	C430	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C438	1-124-234-00	ELECT	22MF 20% 16V	C439	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C440	1-163-033-00	CERAMIC CHIP 0.022nF	50V	C441	1-124-234-00	ELECT	22MF 20% 16V	C442	1-163-033-00	CERAMIC CHIP 0.022nF	50V																																																																																																																																																																																																
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R801	1-249-383-11	CARBON 1.5 5%	1/4W F	C401	1-124-234-00	ELECT	22MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
R802	1-249-377-11	CARBON 0.47 5%	1/4W F	C402	1-163-031-11	CERAMIC CHIP 0.01nF	50V																																																																																																																																																																																																																																																																																																																																																																																																				
R803	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C405	1-124-234-00	ELECT	22MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
R804	1-249-419-11	CARBON 1.5K 5%	1/4W F	C409	1-124-234-00	ELECT	22MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
R805	1-215-892-11	METAL OXIDE 1K 5%	2W F	C410	1-124-234-00	ELECT	22MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
R807	1-216-425-11	METAL OXIDE 56 5%	1W F	C411	1-124-234-00	ELECT	22MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
R808	1-202-846-00	SOLID 470K 20%	1W F	C412	1-124-234-00	ELECT	22MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
R809	1-216-089-00	METAL GLAZE 47K 5%	1/10W	C414	1-126-157-11	ELECT	10MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
R810	1-249-421-11	CARBON 2.2K 5%	1/4W F	C415	1-126-157-11	ELECT	10MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
R811	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C418	1-126-157-11	ELECT	10MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
R812	1-249-439-11	CARBON 68K 5%	1/4W F	C419	1-126-157-11	ELECT	10MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
R813	1-249-414-11	CARBON 560 5%	1/4W F	C420	1-126-157-11	ELECT	10MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
R814	1-249-377-11	CARBON 0.47 5%	1/4W F	C421	1-102-125-00	CERAMIC 0.0047nF	50V																																																																																																																																																																																																																																																																																																																																																																																																				
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RV801	1-223-102-00	RES, ADJ, WIREWOUND 120		C422	1-124-464-11	ELECT	0.22MF 20% 50V																																																																																																																																																																																																																																																																																																																																																																																																				
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T801	1-437-082-31	HDT		C423	1-126-157-11	ELECT	10MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																				
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C424	1-126-157-11	ELECT	10MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																								
C429	1-124-234-00	ELECT	22MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																								
C430	1-163-033-00	CERAMIC CHIP 0.022nF	50V																																																																																																																																																																																																																																																																																																																																																																																																								
C438	1-124-234-00	ELECT	22MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																								
C439	1-163-033-00	CERAMIC CHIP 0.022nF	50V																																																																																																																																																																																																																																																																																																																																																																																																								
C440	1-163-033-00	CERAMIC CHIP 0.022nF	50V																																																																																																																																																																																																																																																																																																																																																																																																								
C441	1-124-234-00	ELECT	22MF 20% 16V																																																																																																																																																																																																																																																																																																																																																																																																								
C442	1-163-033-00	CERAMIC CHIP 0.022nF	50V																																																																																																																																																																																																																																																																																																																																																																																																								

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C443	I-163-033-00	CERAMIC CHIP 0.022MF	50V	Q405	8-729-901-01	TRANSISTOR DTC144EK	
C444	I-163-033-00	CERAMIC CHIP 0.022MF	50V	Q406	8-729-920-74	TRANSISTOR 2SC2412X-98	
C445	I-163-031-11	CERAMIC CHIP 0.01MF	50V	Q407	8-729-920-74	TRANSISTOR 2SC2412X-98	
C447	I-163-031-11	CERAMIC CHIP 0.01MF	50V	Q409	8-729-920-74	TRANSISTOR 2SC2412X-98	
C448	I-124-234-00	ELECT 22MF	20%	Q410	8-729-920-74	TRANSISTOR 2SC2412X-98	
C449	I-124-234-00	ELECT 22MF	20%	Q412	8-729-216-22	TRANSISTOR 2SA1162-6	
C450	I-124-234-00	ELECT 22MF	20%	Q414	8-729-216-22	TRANSISTOR 2SA1162-G	
C451	I-163-033-00	CERAMIC CHIP 0.022MF	50V	Q416	8-729-145-18	TRANSISTOR 2SC3736	
C452	I-126-499-11	ELECT 220MF	20%	Q417	8-729-901-06	TRANSISTOR DTA144EK	
C453	I-128-499-11	ELECT 220MF	20%	Q418	8-729-920-74	TRANSISTOR 2SC2412X-98	
C454	I-126-301-11	ELECT 1MF	20%	Q419	8-729-901-06	TRANSISTOR DTA144EK	
C455	I-126-301-11	ELECT 1MF	20%	Q420	8-729-901-06	TRANSISTOR DTA144EK	
C456	I-126-301-11	ELECT 1MF	20%	Q425	8-729-901-01	TRANSISTOR DTC144EK	
C458	I-163-031-11	CERAMIC CHIP 0.01MF	50V				
C459	I-163-038-00	CERAMIC CHIP 0.1MF	25V				
C460	I-163-038-00	CERAMIC CHIP 0.1MF	25V				
						<RESISTOR>	
				JR401	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR402	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR403	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR404	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR406	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR407	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR408	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR409	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR410	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR411	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR412	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR413	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR414	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR415	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR416	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR417	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR418	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR419	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR420	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR421	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR422	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR423	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR424	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR425	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR426	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR427	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR428	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR429	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR430	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR431	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR432	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR434	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR435	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR436	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR437	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR438	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR439	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR440	I-216-296-00	METAL GLAZE 0	5% 1/8W
				JR441	I-216-296-00	METAL GLAZE 0	5% 1/8W
				K401	I-214-702-00	METAL GLAZE 75	14 1/4W
				R402	I-216-049-00	METAL GLAZE 1K	5% 1/10W
				R403	I-216-091-00	METAL GLAZE 56K	5% 1/10W
				R404	I-216-093-00	METAL GLAZE 68K	5% 1/10W
				R405	I-216-061-00	METAL GLAZE 3.3K	5% 1/10W
				R416	I-216-029-00	METAL GLAZE 150	5% 1/10W
				R418	I-216-089-00	METAL GLAZE 47K	5% 1/10W
				R419	I-216-089-00	METAL GLAZE 47K	5% 1/10W
				R420	I-216-089-00	METAL GLAZE 47K	5% 1/10W
				R421	I-216-097-00	METAL GLAZE 100K	5% 1/10W
				R422	I-216-089-00	METAL GLAZE 47K	5% 1/10W
				R429	I-214-702-00	METAL GLAZE 75	14 1/4W
				R430	I-216-049-00	METAL GLAZE 1K	5% 1/10W

QB

CB

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R431	I-216-093-00	METAL GLAZE	68K 5%	1/10W	1-526-958-11	SOCKET, CRT	
R432	I-216-094-00	METAL GLAZE	56K 5%	1/10W			
R433	I-216-061-00	METAL GLAZE	3.3K 5%	1/10W			
R434	I-216-027-00	METAL GLAZE	120 5%	1/10W			
R435	I-216-702-00	METAL GLAZE	75 1%	1/4W			
R436	I-216-049-00	METAL GLAZE	1K 5%	1/10W			
R437	I-216-093-00	METAL GLAZE	68K 5%	1/10W			
R438	I-216-092-00	METAL GLAZE	56K 5%	1/10W			
R439	I-216-061-00	METAL GLAZE	3.3K 5%	1/10W			
R440	I-216-027-00	METAL GLAZE	120 5%	1/10W			
R441	I-214-702-00	METAL	75 1%	1/W			
R445	I-216-049-00	METAL GLAZE	1K 5%	1/10W			
R446	I-216-093-00	METAL GLAZE	68K 5%	1/10W			
R447	I-216-091-00	METAL GLAZE	56K 5%	1/10W			
R448	I-216-061-00	METAL GLAZE	3.3K 5%	1/10W			
R449	I-216-027-00	METAL GLAZE	120 5%	1/10W			
R450	I-214-702-00	METAL	75 1%	1/W			
R451	I-216-049-00	METAL GLAZE	1K 5%	1/10W			
R452	I-216-093-00	METAL GLAZE	68K 5%	1/10W			
R453	I-216-091-00	METAL GLAZE	56K 5%	1/10W			
R454	I-216-061-00	METAL GLAZE	3.3K 5%	1/10W			
R455	I-216-037-00	METAL GLAZE	330 5%	1/10W			
R456	I-216-089-00	METAL GLAZE	47K 5%	1/10W			
R457	I-216-113-00	METAL GLAZE	470K 5%	1/10W			
R458	I-216-089-00	METAL GLAZE	47K 5%	1/10W			
R459	I-216-089-00	METAL GLAZE	47K 5%	1/10W			
R460	I-216-089-00	METAL GLAZE	47K 5%	1/10W			
R461	I-216-057-00	METAL GLAZE	100K 5%	1/10W			
R462	I-216-115-00	METAL GLAZE	560K 5%	1/10W			
R463	I-216-105-00	METAL GLAZE	220K 5%	1/10W			
R464	I-216-077-00	METAL GLAZE	15K 5%	1/10W			
R465	I-216-025-00	METAL GLAZE	100 5%	1/10W			
R466	I-216-089-00	METAL GLAZE	47K 5%	1/10W			
R467	I-216-073-00	METAL GLAZE	10K 5%	1/10W			
R471	I-216-097-00	METAL GLAZE	100K 5%	1/10W			
R472	I-216-115-00	METAL GLAZE	560K 5%	1/10W			
R473	I-216-105-00	METAL GLAZE	220K 5%	1/10W			
R474	I-216-077-00	METAL GLAZE	15K 5%	1/10W			
R475	I-216-025-00	METAL GLAZE	100 5%	1/10W			
R477	I-216-073-00	METAL GLAZE	10K 5%	1/10W			
R478	I-216-057-00	METAL GLAZE	2.2K 5%	1/10W			
R479	I-216-085-00	METAL GLAZE	33K 5%	1/10W			
R480	I-247-711-11	CARBON	680 5%	1/W			
R481	I-216-063-00	METAL GLAZE	3.9K 5%	1/10W			
R482	I-249-455-11	CARBON	4.7 5%	1/W			
R483	I-249-389-11	CARBON	4.7 5%	1/W F			
R484	I-216-041-00	METAL GLAZE	470 5%	1/10W			
R485	I-249-688-11	CARBON	10 5%	1/W F			
R486	I-249-468-11	CARBON	82K 5%	1/W			
R487	I-249-468-11	CARBON	82K 5%	1/W			
<VARIABLE RESISTOR>							
RV401	I-230-481-11	RES. VAR. CARBON	20K				
<SWITCH>							
S401	I-570-145-11	SWITCH, SLIDE					
S402	I-570-145-11	SWITCH, SLIDE					
*I-644-019-11 CB BOARD							
<CAPACITOR>							
C701	I-162-114-00	CERAMIC	0.0047MF	10%	2KV		
C702	I-161-830-90	CERAMIC	0.0047MF	90%	500V		
C703	I-124-798-11	ELECT	1MF	20%	160V		
C704	I-102-123-00	CERAMIC	0.0033MF	10%	50V		
<CONNECTOR>							
CN701	*I-564-509-11	PLUG, CONNECTOR 6P					
CN702	I-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P					
CN703	*I-564-508-11	PLUG, CONNECTOR 5P					
<DIODE>							
D701	8-719-300-33	DIODE RU-3AM					
<COIL>							
L701	I-410-668-11	INDUCTOR	27UH				
<RESISTOR>							
R701	I-202-822-00	SOLID	2.2K 20%	1/2W			
R702	I-202-822-00	SOLID	2.2K 20%	1/2W			
R703	I-202-822-00	SOLID	2.2K 20%	1/2W			
R704	I-202-835-00	SOLID	39K 20%	1/2W			
R705	I-202-838-00	SOLID	100K 20%	1/2W			
R706	I-202-731-00	SOLID	10M 20%	1/2W			
R707	I-202-842-11	SOLID	220K 20%	1/2W			
*I-184-562-A D BOARD, COMPLETE							
*3-738-015-01 COVER, (DIA. 6) CARBON VR							
4-382-854-01 SCREW (M3X8), P, SW (+)							
<CAPACITOR>							
C501	I-124-477-11	ELECT	47MF	20%	16V		
C502	I-124-907-11	ELECT	10MF	20%	50V		
C503	I-126-103-11	ELECT	470nF	20%	16V		
C504	I-124-902-00	ELECT	0.47MF	20%	50V		
C505	I-106-381-12	MYLAR	0.039nF	10%	100V		
C506	I-124-903-11	ELECT	1MF	20%	50V		
C507	I-106-367-11	MYLAR	0.01MF	10%	100V		
C508	I-124-903-11	ELECT	1MF	20%	50V		
C509	I-136-173-00	FILM	0.47MF	5%	50V		
C510	I-136-161-00	FILM	0.047nF	5%	50V		
C511	I-124-903-11	ELECT	1MF	20%	50V		
C512	I-106-375-12	MYLAR	0.022MF	10%	100V		
C513	I-106-375-12	MYLAR	0.022MF	10%	100V		
C514	I-106-371-00	MYLAR	0.015MF	10%	100V		
C515	I-124-925-11	ELECT	2.2MF	20%	50V		
C516	I-124-925-11	ELECT	2.2MF	20%	50V		
C517	I-130-480-00	FILM	0.0056MF	5%	50V		
C518	I-163-245-11	CERAMIC CHIP	56PF	5%	50V		
C519	I-124-927-11	ELECT	4.7MF	20%	50V		
C520	I-163-129-00	CERAMIC CHIP	330PF	5%	50V		
C521	I-124-907-11	ELECT	10MF	20%	50V		
C523	I-106-363-00	MYLAR	0.0068MF	10%	100V		

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
C524	J-102-116-00	CERAMIC	680PF	10%	50V	C1610	I-126-163-11	ELECT	4.7MF	20%	50V
C525	J-102-820-00	CERAMIC	330PF	5%	50V	C1611	I-124-482-11	ELECT	33MF	20%	35V
C526	I-102-973-00	CERAMIC	100PF	5%	50V	C1612	I-136-257-00	FILM	0.0039MF	5%	50V
C527	I-124-514-11	ELECT	100MF	20%	50V	C1613	I-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C528	I-102-125-00	CERAMIC	0.0047MF	10%	50V	C1614	I-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C529	I-124-513-11	ELECT	47MF	20%	50V	C1615	I-124-042-51	ELECT	0.47MF	20%	50V
C530	I-163-097-00	CERAMIC CHIP	15PF	5%	50V	C1620	I-163-133-00	CERAMIC CHIP	470PF	5%	50V
C531	I-131-370-00	TANTALUM	6.8MF	10%	16V	C1621	I-163-117-00	CERAMIC CHIP	100PF	5%	50V
C532	I-124-557-11	ELECT	100MF	20%	25V	C1641	I-163-035-00	CERAMIC CHIP	0.047MF	50V	
C533	I-124-927-11	ELECT	4.7MF	20%	50V						
C534	I-124-768-11	ELECT	4.7MF	20%	50V						
C535	I-136-161-00	FILM	0.047MF	5%	50V						
C536	I-124-927-11	ELECT	4.7MF	20%	50V						
C537	I-124-510-11	ELECT	220MF	20%	35V	CN501	*I-564-506-11	PLUG, CONNECTOR	3P		
C538	I-124-910-11	ELECT	47MF	20%	50V	CN502	I-506-477-11	PIN, CONNECTOR	12P		
C539	I-136-828-11	FILM	1.8MF	5%	200V	CN504	*I-564-507-11	PLUG, CONNECTOR	4P		
C540	I-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	CN505	*I-564-509-11	PLUG, CONNECTOR	6P		
C541	I-163-035-00	CERAMIC CHIP	0.047MF	50V		CN507	*I-564-507-11	PLUG, CONNECTOR	4P		
C542	I-126-103-11	ELECT	47MF	20%	16V	CN508	*I-564-104-00	PIN, CONNECTOR (B5P-VH)	3P		
C545	I-126-101-11	ELECT	100MF	20%	16V	CN509	*I-564-506-11	PLUG, CONNECTOR	3P		
C546	I-124-907-11	ELECT	10MF	20%	50V						
C547	I-124-907-11	ELECT	10MF	20%	50V						
C548	I-124-907-11	ELECT	10MF	20%	50V						
C549	I-124-907-11	ELECT	10MF	20%	50V	D501	8-719-404-46	DIODE	MA110		
C550	I-124-907-11	ELECT	10MF	20%	50V	D502	8-719-404-46	DIODE	MA110		
C551	I-124-907-11	ELECT	10MF	20%	50V	D503	8-719-404-46	DIODE	MA110		
C552	I-124-927-11	ELECT	4.7MF	20%	50V	D504	8-719-404-46	DIODE	MA110		
C552	I-101-004-00	CERAMIC	0.01MF	50V		D505	8-719-404-46	DIODE	MA110		
C553	I-126-103-11	ELECT	470MF	20%	16V	D506	8-719-911-55	DIODE	U05C		
C553	I-106-385-00	MYLAR	0.047MF	10%	100V	D507	8-719-404-46	DIODE	MA110		
C554	I-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	D508	8-719-404-46	DIODE	MA110		
C556	I-123-875-11	ELECT	10MF	20%	50V	D509	8-719-404-46	DIODE	MA110		
C556	I-130-736-11	FILM	0.01MF	5%	50V	D510	8-719-404-46	DIODE	MA110		
C559	I-130-471-00	FILM	0.001MF	5%	50V	D511	8-719-404-46	DIODE	MA110		
C570	I-163-117-00	CERAMIC CHIP	100PF	5%	50V	D512	8-719-404-46	DIODE	MA110		
C571	I-124-913-11	ELECT	470MF	20%	50V	D514	8-719-404-46	DIODE	MA110		
C572	I-101-004-00	CERAMIC	0.01MF	50V		D579	8-719-800-81	DIODE	ISS226		
C574	I-106-351-00	MYLAR	0.0022MF	10%	100V	D831	8-719-404-46	DIODE	MA110		
C575	I-106-351-00	MYLAR	0.0022MF	10%	100V	D832	8-719-404-46	DIODE	MA110		
C831	I-123-875-11	ELECT	10MF	20%	50V	D833	8-719-404-46	DIODE	MA110		
C832	I-123-875-11	ELECT	10MF	20%	50V	D834	8-719-404-46	DIODE	MA110		
C833	I-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	D835	8-719-109-89	DIODE	R05.6ESB2		
C834	I-163-120-00	CERAMIC	150PF	5%	50V	D836	8-719-977-69	DIODE	DTZ248		
C835	I-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V	D837	8-719-404-46	DIODE	MA110		
C836	I-123-875-11	ELECT	10MF	20%	50V	D838	8-719-404-46	DIODE	MA110		
C837	I-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V	D1601	8-719-105-XX	DIODE	R06.2M-B1		
C838	I-136-163-00	FILM	0.068MF	5%	50V	D1602	8-719-404-46	DIODE	MA110		
C839	I-102-123-00	CERAMIC	0.0027MF	10%	50V	D1603	8-719-977-61	DIODE	DTZ208		
C840	I-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V	D1604	8-719-404-46	DIODE	MA110		
C841	I-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V	D1605	8-719-404-46	DIODE	MA110		
C842	I-124-042-51	ELECT	0.47MF	20%	50V	D1606	8-719-581-00	DIODE	ERC81-004		
C844	I-124-902-00	ELECT	0.47MF	20%	50V	D1607	8-719-581-00	DIODE	ERC81-004		
C845	I-124-126-00	ELECT	47MF	20%	10V	D1608	8-719-977-02	DIODE	DTZ5.6A		
C846	I-124-907-11	ELECT	10MF	20%	50V	D1609	8-719-977-49	DIODE	DTZ15B		
C847	I-126-233-11	ELECT	22MF	20%	50V	D1610	8-719-404-46	DIODE	MA110		
C848	I-131-351-00	TANTALUM	4.7MF	10%	35V	D1611	8-729-101-31	TRANSISTOR	N1371		
C849	I-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V	D1612	8-719-404-46	DIODE	MA110		
C1601	I-124-907-11	ELECT	10MF	20%	50V	D1613	8-719-404-46	DIODE	MA110		
C1602	I-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	D1614	8-719-404-46	DIODE	MA110		
C1603	I-104-346-91	ELECT	15MF	50V		D1615	8-719-404-46	DIODE	MA110		
C1604	I-126-500-51	ELECT	1000MF	20%	50V	D1616	8-719-404-46	DIODE	MA110		
C1605	I-124-922-11	ELECT	1000MF	20%	50V	D1617	8-719-977-49	DIODE	DTZ15B		
C1606	I-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	D1618	8-719-977-49	DIODE	DTZ15B		
C1607	I-124-907-11	ELECT	10MF	20%	50V	D1625	8-719-404-46	DIODE	MA110		
C1608	I-126-233-11	ELECT	22MF	20%	50V						
C1609	I-163-009-11	CERAMIC CHIP	0.001MF	10%	50V						

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Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
D1626	8-719-404-46	DIODE MA110		Q1605	8-729-119-80	TRANSISTOR 2SC2688-LK					
D1627	8-719-404-46	DIODE MA110		Q1606	8-729-132-42	TRANSISTOR 2SC2334-L					
D1628	8-719-404-46	DIODE MA110		Q1607	8-729-920-74	TRANSISTOR 2SC2412K-QR					
D1635	8-719-404-46	DIODE MA110		Q1608	8-729-920-74	TRANSISTOR 2SC2412K-QB					
D1699	8-719-404-46	DIODE MA110		Q1609	8-729-920-74	TRANSISTOR 2SC2412K-QR					
<FUSE>											
F1601A	1-532-777-21	FUSE, MICRO (SECONDARY) (1.25A/125V)		Q1610	8-729-920-74	TRANSISTOR 2SC2412K-QR					
F1602	1-533-189-11	HOLDER, FUSE		Q1611	8-729-920-74	TRANSISTOR 2SC2412K-QB					
<IC>											
I1501	8-759-909-70	IC CX23025		Q1612	8-729-920-74	TRANSISTOR 2SC2412K-QB					
I1502	8-759-100-60	IC UPC1377C		Q1613	8-729-920-74	TRANSISTOR 2SC2412K-QB					
I1503	8-759-801-98	IC LA7830		Q1614	8-729-920-74	TRANSISTOR 2SC2412K-QB					
I1504	8-759-929-62	IC LM7812CT		<RESISTOR>							
I1505	8-759-009-51	IC MC14538BF		JR510	1-216-295-00	METAL GLAZE 0	5%	1/10W			
I1C831	8-759-509-29	IC XR14011BP		R501	1-216-089-00	METAL GLAZE 47K	5%	1/10W			
I1C832	8-759-509-37	IC XR14070BP		R502	1-216-089-00	METAL GLAZE 47K	5%	1/10W			
I1C833	8-759-009-51	IC MC14538BF		R503	1-249-437-11	CARBON 47K	5%	1/4W F			
I1C1601	8-759-509-91	IC XRA10393P		R504	1-216-073-00	METAL GLAZE 10K	5%	1/10W			
<COIL>											
L501	1-410-093-11	INDUCTOR 33MH		R505	1-249-393-11	CARBON 10	5%	1/4W F			
L502	1-410-665-31	INDUCTOR 15MH		R506	1-216-071-00	METAL GLAZE 8.2K	5%	1/10W			
L503	1-424-625-11	COIL, CHOKE (PM01) 381.4UH		R507	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W			
L506	1-412-530-31	INDUCTOR 27MH		R508	1-216-085-00	METAL GLAZE 39K	5%	1/10W			
L1601	1-429-155-00	COIL (WITH CORE) 45UH		R509	1-216-687-11	METAL CHIP 35K	0.50%	1/10W			
L1602	1-424-626-12	COIL, CHOKE 39UH		R510	1-216-683-11	METAL CHIP 22K	0.50%	1/10W			
L1603	1-410-397-21	FERRITE BEAD INDUCTOR		R511	1-216-765-11	METAL CHIP 10K	0.50%	1/10W			
<TRANSISTOR>											
Q501	8-729-901-01	TRANSISTOR DTC144EK		R512	1-218-761-11	METAL CHIP 240K	0.50%	1/10W			
Q502	8-729-901-01	TRANSISTOR DTC144EK		R513	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W			
Q503	8-729-901-06	TRANSISTOR DTC144EK		R514	1-216-754-11	METAL CHIP 120K	0.50%	1/10W			
Q504	8-729-901-01	TRANSISTOR DTC144EK		R515	1-216-081-00	METAL GLAZE 22K	5%	1/10W			
Q505	8-729-920-74	TRANSISTOR 2SC2412K-QR		R516	1-216-073-00	METAL GLAZE 10K	5%	1/10W			
Q506	8-729-901-01	TRANSISTOR DTC144EK		R517	1-218-768-11	METAL CHIP 470K	0.50%	1/10W			
Q507	8-729-901-01	TRANSISTOR DTC144EK		R518	1-249-422-11	CARBON 2.7K	5%	1/4W F			
Q508	8-729-920-74	TRANSISTOR 2SC2412K-QB		R519	1-216-085-00	METAL GLAZE 39K	5%	1/10W			
Q509	8-729-920-74	TRANSISTOR 2SC2412K-QR		R520	1-216-677-11	METAL CHIP 12K	0.50%	1/10W			
Q510	8-729-901-06	TRANSISTOR DTC144EK		R521	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W			
<TRANSISTOR>											
R522	1-216-107-00	METAL GLAZE 270K	5%	1/10W							
R523	1-216-081-00	METAL GLAZE 22K	5%	1/10W							
R524	1-216-049-00	METAL GLAZE 1K	5%	1/10W							
R525	1-216-434-11	METAL OXIDE 1.8K	5%	1W F							
R526	1-216-079-00	METAL GLAZE 18K	5%	1/4W F							
R527	1-249-437-11	CARBON 47K	5%	1/4W F							
R528	1-216-073-00	METAL GLAZE 10K	5%	1/10W							
R529	1-216-073-00	METAL GLAZE 10K	5%	1/10W							
R530	1-216-089-00	METAL GLAZE 47K	5%	1/10W							
R531	1-216-089-00	METAL GLAZE 47K	5%	1/10W							
R532	1-216-097-00	METAL GLAZE 100K	5%	1/10W							
R533	1-216-089-00	METAL GLAZE 47K	5%	1/10W							
R534	1-216-097-00	METAL GLAZE 100K	5%	1/10W							
R535	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W							
R536	1-212-881-11	FUSIBLE 100	5%	1/4W F							
R537	1-215-867-00	METAL OXIDE 470	5%	1W F							
R538	1-216-095-00	METAL GLAZE 82K	5%	1/10W							
R539	1-216-095-00	METAL GLAZE 92K	5%	1/10W							
R540	1-216-101-00	METAL GLAZE 150K	5%	1/10W							
R541	1-216-063-00	METAL GLAZE 3.9K	5%	1/10W							
R542	1-216-075-00	METAL GLAZE 12K	5%	1/10W							
R543	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W							
R544	1-216-101-00	METAL GLAZE 150K	5%	1/10W							
R545	1-216-041-00	METAL GLAZE 470	5%	1/10W							

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R546	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R1503	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R547	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R1504	1-216-089-11	METAL CHIP	39K 0.50% 1/10W
R548	1-216-107-00	METAL GLAZE	270K 5% 1/10W	R1505	1-216-093-00	METAL GLAZE	47K 5% 1/10W
R549	1-216-101-00	METAL GLAZE	150K 5% 1/10W	R1506	1-216-657-11	METAL CHIP	4.7K 0.50% 1/10W
R550	1-216-354-11	METAL OXIDE	2.7 5% 1W F	R1507	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R552	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1508	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R553	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R1509	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R554	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1510	1-249-425-11	CARBON	4.7K 5% 1/4W F
R555	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1511	1-216-033-00	METAL GLAZE	220 5% 1/10W
R556	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1512	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R557	1-216-049-00	METAL GLAZE	4.7K 5% 1/10W	R1513	1-216-017-00	METAL GLAZE	47 5% 1/10W
R559	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1519	1-216-031-00	METAL GLAZE	180 5% 1/10W
R560	1-216-037-00	METAL GLAZE	350 5% 1/10W	R1520	1-216-057-00	METAL GLAZE	22K 5% 1/10W
R561	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1601	1-216-685-11	METAL CHIP	27K 0.50% 1/10W
R562	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1602	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R563	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1603	1-216-671-11	METAL CHIP	6.8K 0.50% 1/10W
R564	1-249-410-11	CARBON	270 5% 1/4W F	R1604	1-249-433-11	CARBON	22K 5% 1/4W F
R565	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R1605	1-216-070-00	METAL GLAZE	7.5K 5% 1/10W
R566	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1606	1-216-070-00	METAL GLAZE	7.5K 5% 1/10W
R567	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R1607	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R568	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1608	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R569	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1609	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R570	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R1610	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R571	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R1611	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R572	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R1612	1-216-913-11	METAL OXIDE	220 5% 3W F
R573	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1613	1-216-025-00	METAL GLAZE	100 5% 1/10W
R574	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1614	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R575	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1615	1-216-657-11	METAL CHIP	1.8K 0.50% 1/10W
R576	1-216-109-00	METAL GLAZE	350K 5% 1/10W	R1616	1-216-629-11	METAL CHIP	120 0.50% 1/10W
R577	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1617	1-216-659-11	METAL CHIP	2.2K 0.50% 1/10W
R578	1-249-457-11	CARBON	6.8 5% 1/4W F	R1618	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R579	1-249-457-11	CARBON	6.8 5% 1/4W F	R1620	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R580	1-216-001-00	METAL GLAZE	10 5% 1/10W	R1621	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R591	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1622	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R592	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1623	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R593	1-216-045-00	METAL GLAZE	1K 5% 1/10W	R1624	1-216-246-00	METAL GLAZE	100K 5% 1/8W
R594	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R1625	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R595	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1626	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R596	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R1627	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R597	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1628	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R598	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1629	1-216-683-11	METAL CHIP	22K 0.50% 1/10W
R599	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R1630	1-216-683-11	METAL CHIP	22K 0.50% 1/10W
R600	1-216-065-00	METAL GLAZE	1K 5% 1/10W	R1631	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R601	1-216-091-00	METAL GLAZE	3.3K 5% 1/10W	R1632	1-216-042-00	METAL GLAZE	510 5% 1/10W
R602	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1633	1-216-109-00	METAL GLAZE	330K 5% 1/10W
R603	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R1634	1-216-099-00	METAL GLAZE	120K 5% 1/10W
R604	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R1635	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R605	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1636	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R606	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1640	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R607	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1641	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R608	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1642	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R609	1-216-669-11	METAL CHIP	5.6K 0.50% 1/10W	R1643	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R610	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	R1644	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R611	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1645	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R612	1-216-754-11	METAL CHIP	120K 0.50% 1/10W	R1646	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R613	1-216-697-11	METAL CHIP	82K 0.50% 1/10W	R1647	1-216-685-11	METAL CHIP	27K 0.50% 1/10W
R614	1-216-669-11	METAL CHIP	150K 0.50% 1/10W	R1648	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R615	1-216-686-11	METAL CHIP	30K 0.50% 1/10W	R1649	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R616	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1650	1-216-065-00	METAL GLAZE	6.8K 5% 1/10W
R617	1-216-435-00	METAL OXIDE	3.9K 52 1W F	R1651	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R618	1-216-629-11	METAL CHIP	15K 0.50% 1/10W	R1652	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R619	1-216-672-11	METAL CHIP	7.5K 0.50% 1/10W	R1653	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R620	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	R1654	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R621	1-216-686-11	METAL CHIP	7.5K 0.50% 1/10W				

D

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- The components identified by **D** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une flèche et une marque **D** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **D** are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1655	1-216-081-00	METAL GLAZE	22K 5% 1/10W				
R1656	1-216-643-11	METAL CHIP	470 0.50% 1/10W				
R1657	1-216-081-00	METAL GLAZE	22K 5% 1/10W				
R1658	1-216-053-00	METAL GLAZE	3.9K 5% 1/10W				
R1659	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R1660	1-216-649-11	METAL CHIP	820 0.50% 1/10W				
R1661	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
<VARIABLE RESISTOR>							
RV501	1-238-019-11	RES. ADJ. CARBON	47K	RV901	1-241-846-11	RES. VAR. CARBON	20K
RV502	1-238-017-11	RES. ADJ. CARBON	22K	RV902	1-241-846-11	RES. VAR. CARBON	20K
RV503	1-241-763-11	RES. ADJ. CERMET	4.7K	RV903	1-241-845-11	RES. VAR. CARBON	20K
RV504	1-224-250-X1	RES. ADJ. METAL GLAZE	2.2K	RV904	1-241-845-11	RES. VAR. CARBON	20K
RV505	1-238-009-11	RES. ADJ. CARBON	220	RV905	1-241-845-11	RES. VAR. CARBON	20K
<SWITCH>							
S001	1-554-419-00	SWITCH, PUSH (1 KEY)		S003	1-554-419-00	SWITCH, PUSH (1 KEY)	
S003	1-554-419-00	SWITCH, PUSH (1 KEY)		S004	1-554-419-00	SWITCH, PUSH (1 KEY)	
S004	1-554-419-00	SWITCH, PUSH (1 KEY)		S005	1-554-419-00	SWITCH, PUSH (1 KEY)	
*A-1890-277-C S BOARD, COMPLETE							
*3-738-015-01 COVER, (DIA. 6) CARBON VR							
<CAPACITOR>							
C1101	1-163-119-00	CERAMIC CHIP	120PF	5%	50V		
C1102	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V		
C1103	1-124-589-11	ELECT	47MF	20%	16V		
C1104	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V		
C1105	1-163-114-00	CERAMIC CHIP	75PF	5%	50V		
C1106	1-163-101-00	CERAMIC CHIP	22PF	5%	50V		
C1107	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V		
C1108	1-163-119-00	CERAMIC CHIP	120PF	5%	50V		
C1109	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V		
C1110	1-163-117-00	CERAMIC CHIP	100PF	5%	50V		
C1111	1-163-018-00	CERAMIC CHIP	0.0056MF	10%	50V		
C1112	1-126-160-11	ELECT	1MF	20%	50V		
C1113	1-163-119-00	CERAMIC CHIP	120PF	5%	50V		
C1114	1-163-103-00	CERAMIC CHIP	27PF	5%	50V		
C1115	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V		
C1116	1-163-114-00	CERAMIC CHIP	75PF	5%	50V		
C1117	1-124-589-11	ELECT	47MF	20%	16V		
C1118	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V		
C1119	1-163-020-00	CERAMIC CHIP	0.0082MF	10%	50V		
C1120	1-163-097-00	CERAMIC CHIP	15PF	5%	50V		
C1121	1-163-097-00	CERAMIC CHIP	15PF	5%	50V		
C1122	1-163-222-11	CERAMIC CHIP	5PF	0.25%	50V		
C1123	1-163-097-00	CERAMIC CHIP	15PF	5%	50V		
C1130	1-163-097-00	CERAMIC CHIP	15PF	5%	50V		
C1131	1-163-097-00	CERAMIC CHIP	15PF	5%	50V		
<CONNECTOR>							
CN1101*1-565-488-11 CONNECTOR, BOARD TO BOARD 12P							
<DIODE>							
B1101	8-719-404-46	DIODE MA110		B1102	8-719-404-46	DIODE MA110	
B001	8-719-920-05	DIODE SLP281C-50					
B002	8-719-109-68	DIODE BD3.6ESB1					
<RESISTOR>							
R001	1-247-713-11	CARBON	1K 5% 1/4W				
R002	1-216-295-00	METAL GLAZE	0 5% 1/10W				
<COIL>							
IC1101	8-752-056-67	IC CXA1214P					

Components identified by
nd mark  are criti-
fety.
only with part number

Les composants identifiés par une trame et une marque A sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

• The components identified by **█** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque **█** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **█** are critical for safety. Replace only with part number specified.

RT NO.	DESCRIPTION	REMARK
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212-865-61	FUSIBLE	22	5%	1/4W	F
247-805-91	CARBON	82	5%	1/4W	
260-128-91	CARBON	270K	5%	1/2W	
260-128-91	CARBON	270K	5%	1/2W	
215-904-51	METAL OXIDE	100K	5%	2W	F

207-455-11	WIRE	0.22	10%	1/2W	
247-789-91	CARBON	18	5%	1/4W	
247-795-91	CARBON	33	5%	1/4W	
215-904-51	METAL OXIDE	100K	5%	2W	F
247-815-91	CARBON	220	5%	1/4W	

215-886-51	METAL OXIDE	100	5%	2W	F
215-886-51	METAL OXIDE	100	5%	2W	F
260-107-91	CARBON	4.7K	5%	1/2W	
260-107-91	CARBON	4.7K	5%	1/2W	
247-867-91	CARBON	33K	5%	1/4W	

247-867-91	CARBON	33K	5%	1/4W	
247-837-91	CARBON	1.8K	5%	1/4W	

<VARIABLE RESISTOR>

230-443-11	RESISTOR, ADJ, CARBON	1K			
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<TRANSFORMER>

150-760-11	TRANSFORMER, CONVERTER				
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MISCELLANEOUS

413-720-21	SWITCHING REGULATOR (SOP8-1021)				
426-614-11	COIL, DEMAGNETIZATION				
451-325-11	DEFLECTION YDKE (Y06J/A2)				
452-126-11	MAGNET				
543-925-11	CORE, FERRITE				

544-252-11	SPEAKER				
576-232-11	FUSE, 1A, BLK, 10/5A/250V				
923-183-01	WIRE, UL1007 AWG18 50MM BLK				
733-924-05	PEPS, 06W				

ACCESSORIES & PACKING MATERIALS

RT NO. DESCRIPTION REMARK

590-910-11	CORD SET, POWER, 110V/250V				
590-871-11	CABLE (MINI DIN) 8P				
990-241-02	HOLDER (A), PLUG				
170-078-01	HOLDER (B), PLUG				
755-607-11	MANUAL, INSTRUCTION				

J36-595-01	INDIVIDUAL CARTON				
J36-599-01	CUSHION (LOWER) (ASSY)				
J36-600-01	CUSHION (UPPER) (ASSY)				

-100-

PVM-6041QM**SONY
SERVICE MANUAL***AEP Model*
*Chassis No. SCC-F09D-A***CORRECTION-2**

Correct the service manual as shown below.
File this collection with the service manual.

 : Corrected portion
SECTION 7 EXPLODED VIEWS**7-1. CHASSIS (See page 76)**

Incorrect	Correct				
 : +P4×25 7-685-567-09	 : +P4×25 7-682-567-09				
—	<table> <tr> <th style="text-align: left;">PART. NO.</th> <th style="text-align: left;">DESCRIPTION</th> </tr> <tr> <td style="text-align: left;">1-941-906-07</td> <td style="text-align: left;">CONNECTOR ASSY, VH 3P (DC12V IN Jack)</td> </tr> </table>	PART. NO.	DESCRIPTION	1-941-906-07	CONNECTOR ASSY, VH 3P (DC12V IN Jack)
PART. NO.	DESCRIPTION				
1-941-906-07	CONNECTOR ASSY, VH 3P (DC12V IN Jack)				

SECTION 8 ELECTRICAL PARTS LIST (See page 88)**D BOARD**

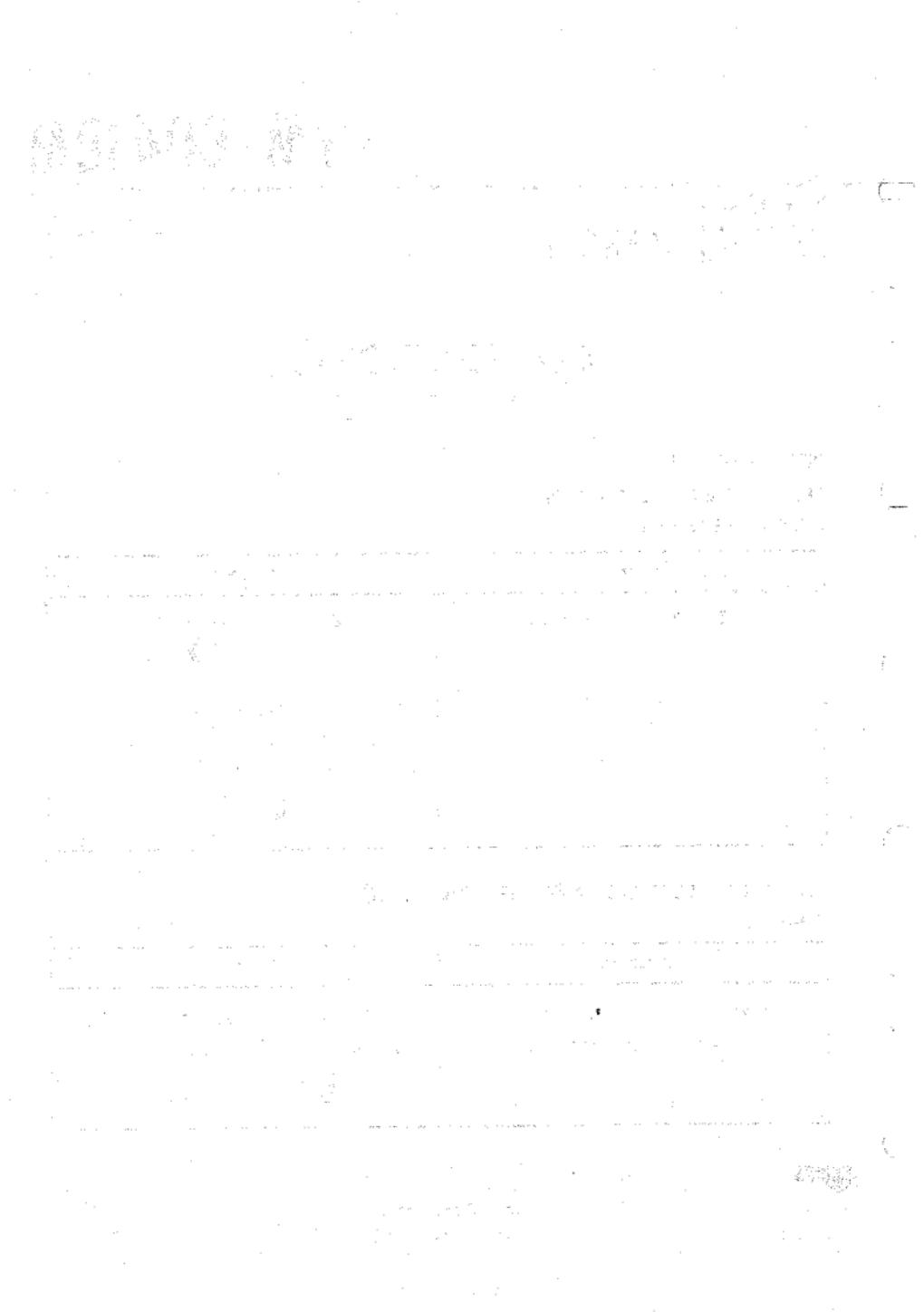
Incorrect	Correct								
<table> <tr> <th style="text-align: left;">PART. NO.</th> <th style="text-align: left;">DESCRIPTION</th> </tr> <tr> <td style="text-align: left;">* A-1341-562-A</td> <td style="text-align: left;">D BOARD, COMPLETE</td> </tr> </table>	PART. NO.	DESCRIPTION	* A-1341-562-A	D BOARD, COMPLETE	<table> <tr> <th style="text-align: left;">PART. NO.</th> <th style="text-align: left;">DESCRIPTION</th> </tr> <tr> <td style="text-align: left;">* A-1346-067-A</td> <td style="text-align: left;">D BOARD, COMPLETE</td> </tr> </table>	PART. NO.	DESCRIPTION	* A-1346-067-A	D BOARD, COMPLETE
PART. NO.	DESCRIPTION								
* A-1341-562-A	D BOARD, COMPLETE								
PART. NO.	DESCRIPTION								
* A-1346-067-A	D BOARD, COMPLETE								



9-978-298-93

Sony Corporation
Display Products Group

 English
 93JL0510-1
 Printed in Japan
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PVM-6041QM

SONY
SERVICE MANUAL

AEP Model

Chassis No. SCC-F09D-A

SUPPLEMENT-1

INTRODUCTION

- B board : The transistor is changed to the pair transistor (Q189).
The diodes are changed to the three-terminal diodes (D185, D186, D187, D188, D191, D390 and D1382).
- D board : The transistors are changed to the pair transistors (Q569, Q576, Q579 and Q599).
The diodes are changed to the three-terminal diodes (D520, D521, D589, D848, D1620, D1622 and D1623).
- S board : The pattern is modified.

Note)

Before using the circuit board, confirm that the parts number shown below and the parts number of the circuit board which is being used in your set are the same.

Board (Complete No.)	Board Part. No.
B (A-1135-726-A)	1-641-716-15
D (A-1346-067-A)	1-641-717-16
S (A-1394-392-A)	1-641-719-15



MICROFILM

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
1. DIAGRAMS		
1-1.	Circuit Boards Location	3
1-2.	Printed Wiring Boards and Schematic Diagrams	3
	S Board	4
	D Board	7
	B Board	16
2. ELECTRICAL PARTS LIST 31		

(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

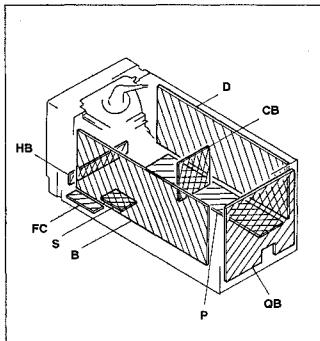
AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SECTION 1 DIAGRAMS

1-1. CIRCUITS BOARDS LOCATION



1-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted. pF : $\mu\mu F$
- 50 Wv or less are not indicated except for electrolytic.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm
Rating electrical power $\frac{1}{4}$ W

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to attain regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved. (Refer to RV851, RV1603 and RV833 adjust on page 18 and 19.)
- When replacing the part in below table be sure to perform the related adjustment.

Part replaced (■)	Adjustment (■)
IC801, IC851, PH02, C655, R853, R855, R856, R857, RV851	RV651 (B+ MAX)
Q1601, Q1602, Q1603, D1601, D1603, D1622, C1601, C1602, H1601, H1602, H1603, H1604, R1601, R1602, R1607, R1608, R1628, R1629, R1630, RV1601, RV1603	RV1603 (B+ MAX IN DC POWER INPUT MODE)
IC850, Q853, Q854, Q835, Q836, D855, D856, C810, C843, C844, C845, C846, C847, C848, RV833, R828, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R861, R862, R863, NL801	R833 (HOLD-DOWN)

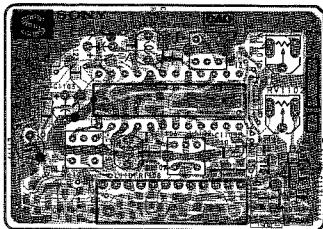
- All voltages are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Readings are taken with a PAL color-bar signal input.
- : adjustment fr repair.
- Voltage variations may be noted due to normal production tolerance.
- : B+ bus.
- : B- bus.
- : signal path.
- No mark: with PAL color-bar signal received or common voltage.
- () : with SECAM color-bar signal received.
- < > : with NTSC 3.58 color-bar signal received.
- (()) : with NTSC 4.43 color-bar signal received.
- [] : with SY/Y(C) color-bar signal received.
- { } : with analog RGB color-bar signal received.
- << >> : with component color-bar signal received.
- * : measurement impossibility

Reference Information

RESISTOR	: RN METAL FILM
	: RC SOLID
	: FRPR NONFLAMMABLE CARBON
	: FUSE NONFLAMMABLE FUSIBLE
	: RS NONFLAMMABLE WIREWOUND
	: RB NONFLAMMABLE CEMENT
COIL	: LF-BL MICRO INDUCTOR
CAPACITOR	: TA TANTALUM
	: PS STYROL
	: PP POLYPROPYLENE
	: PT MYLAR
	: MPS METALIZED POLYESTER
	: MPP METALIZED POLYPROPYLENE
	: ALB BIPOLEAR
	: ALT HIGH TEMPERATURE
	: ALR HIGH RIPPLE

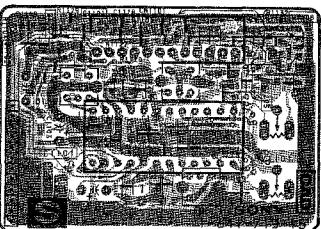
S [SECAM DEMODULATION]

- S Board - -- Component Side -



- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

- S Board - -- Conductor Side -



- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A

B

C

D

E

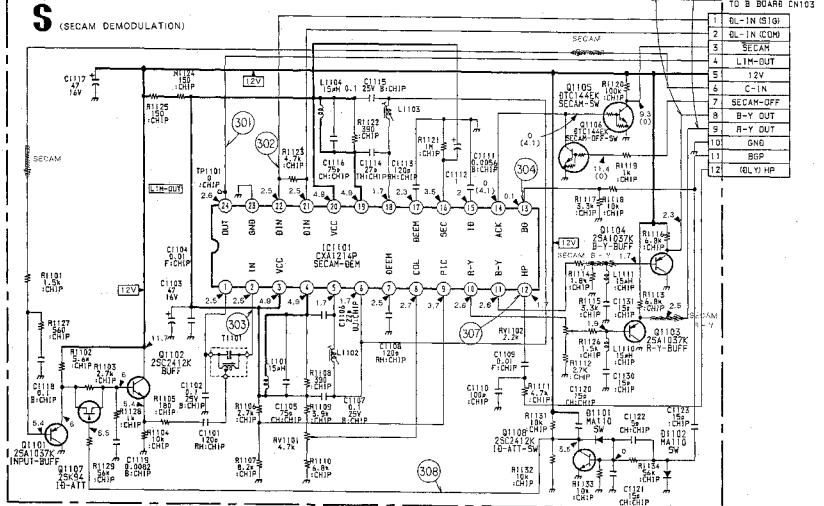
F

G

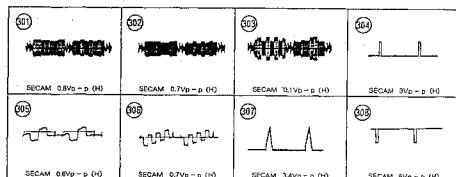
H

1

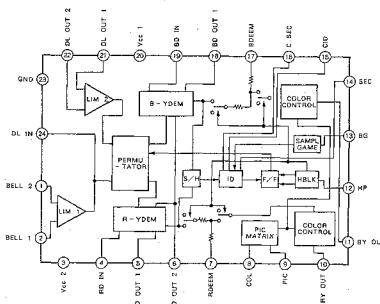
S (SECAM DEMODULATION)



- S BOARD WAVEFORMS

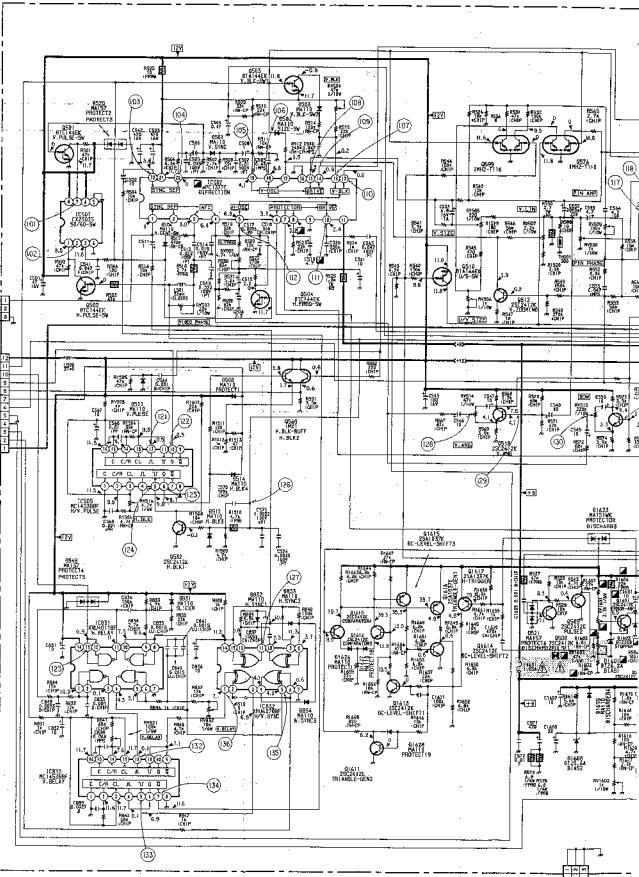
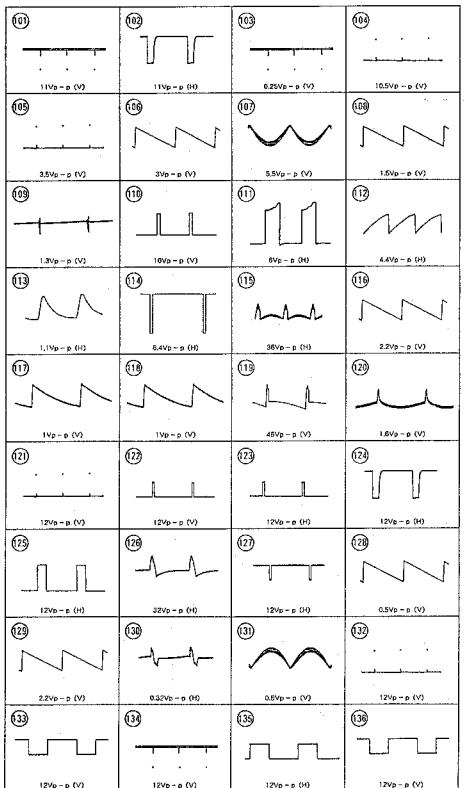


S Board IC1101 CXA1214P

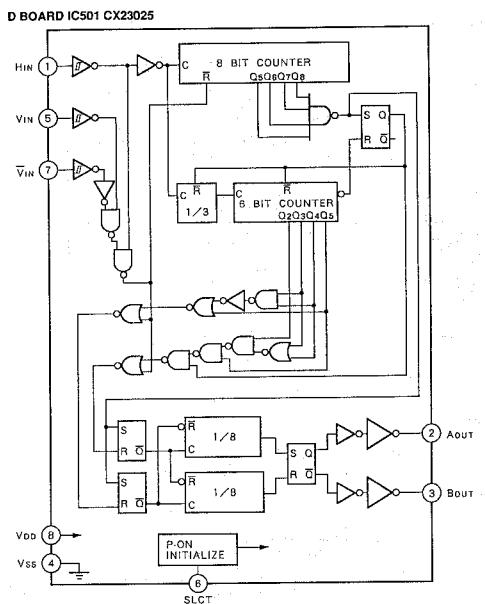
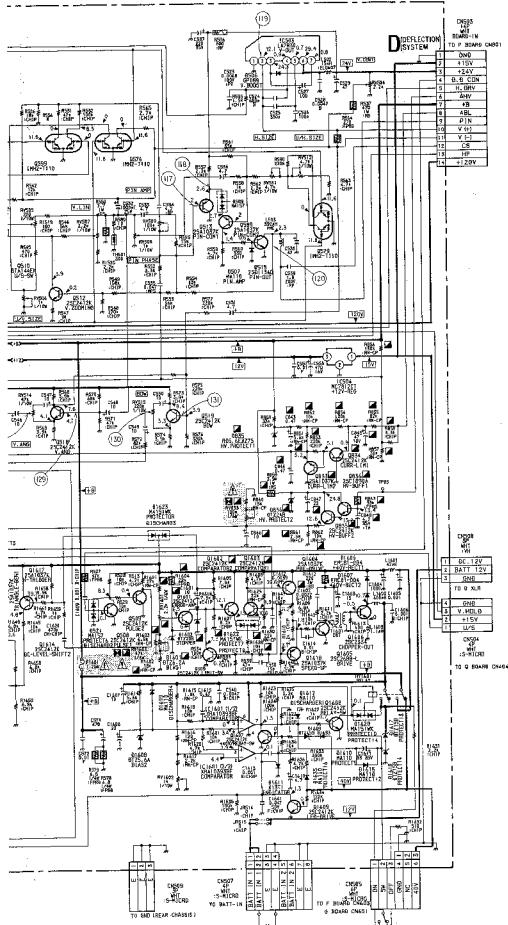


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

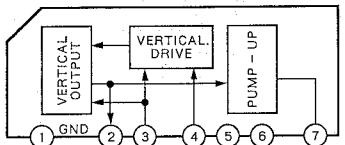
• D BOARD WAVEFORMS



16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

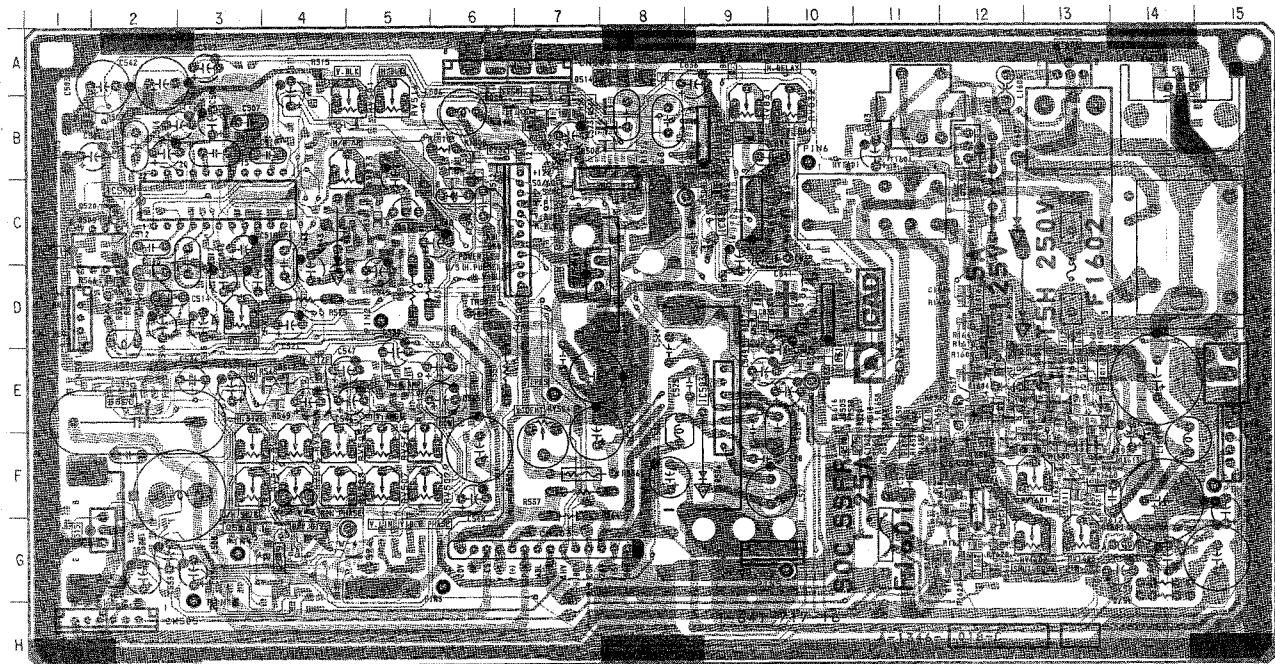


D BOARD IC503 LA7830



D [DEFLECTION SYSTEM]

- D Board - - Component Side -



D Board (Component Side)

IC
IC505 C - 8
IC531 D - 10
IC532 B - 8
IC533 C - 9
IC160 F - 12

TRANSISTOR

Q505 F - 12
Q508 F - 12
Q509 E - 12
Q512 E - 4
Q532 B - 8
Q570 G - 5
Q571 G - 4
Q599 G - 2
Q1607 G - 12
Q1610 E - 13
Q1611 F - 13
Q1612 E - 13
Q1613 E - 13
Q1614 F - 13
Q1615 E - 13
Q1616 E - 13
Q1617 E - 13
Q1618 D - 12

DIODE

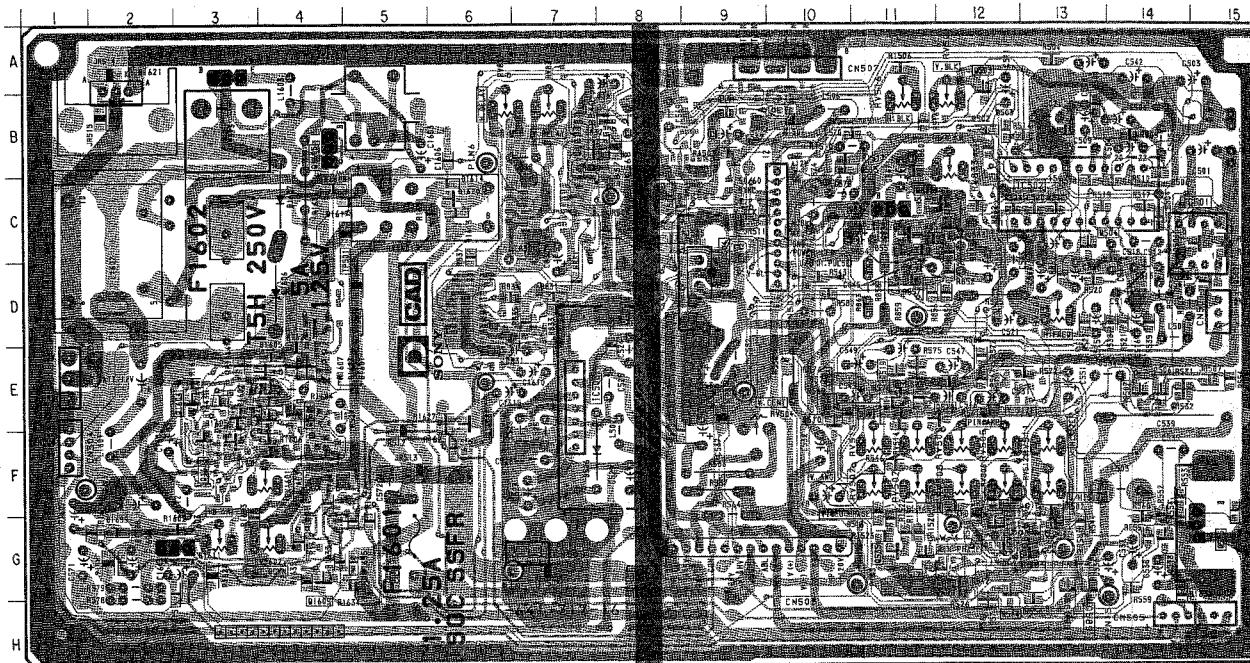
D509 A - 8
D512 C - 5
D514 C - 7
D520 C - 2
D521 F - 12
D533 A - 8
D534 A - 9
D535 C - 5
D545 G - 10
D1609 G - 12
D1610 G - 10
D1626 F - 13
D1627 F - 13
D1628 F - 13

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

— D Board — — Conductor Side —

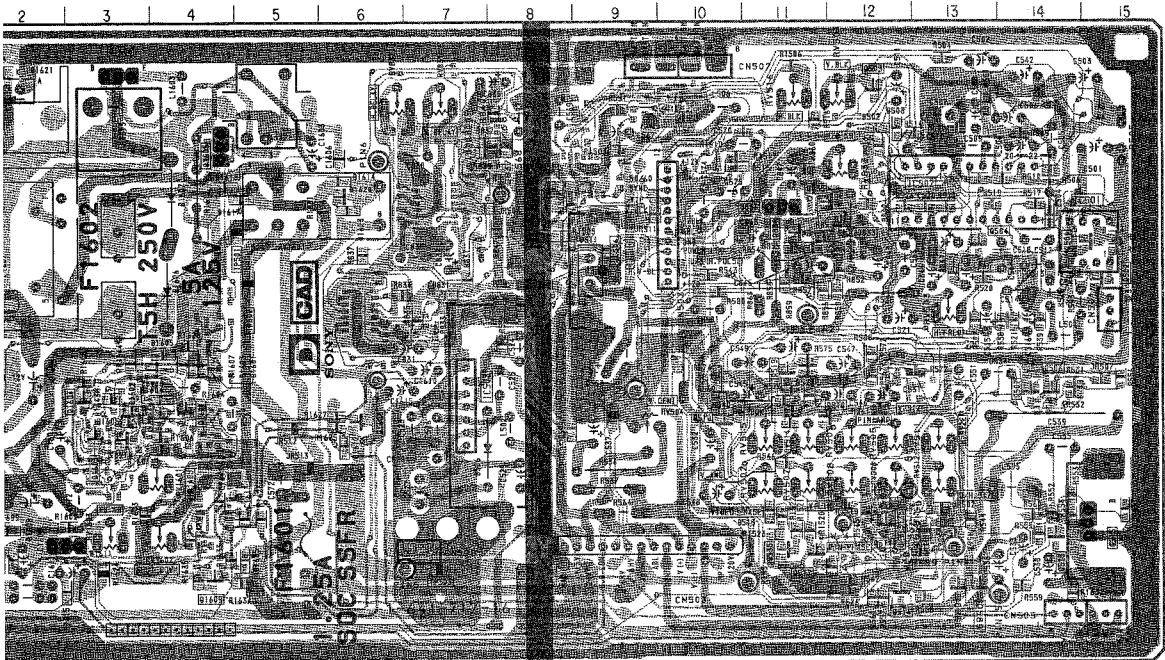
D Board (Component Side)

IC	
IC505	C - 8
IC831	D - 10
IC832	D - 9
IC833	C - 9
IC1601	F - 12
TRANSISTOR	
Q505	F - 12
Q506	F - 12
Q507	F - 12
Q512	C - 12
Q532	B - 6
C576	G - 6
G579	G - 4
G588	E - 2
Q1607	G - 12
Q1610	A - 12
Q1611	F - 13
Q1612	E - 13
Q1613	F - 18
Q1614	F - 13
Q1615	E - 13
Q1616	E - 13
Q1617	E - 13
Q1618	D - 12
DIODE	
D501	A - 8
D512	C - 8
D514	A - 7
D520	C - 7
D521	A - 22
D533	A - 8
D534	A - 9
D535	C - 5
D648	D - 10
D1616	G - 2
D1619	A - 15
D1626	F - 13
D1627	F - 13
D1628	F - 13



- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

Conductor Side -

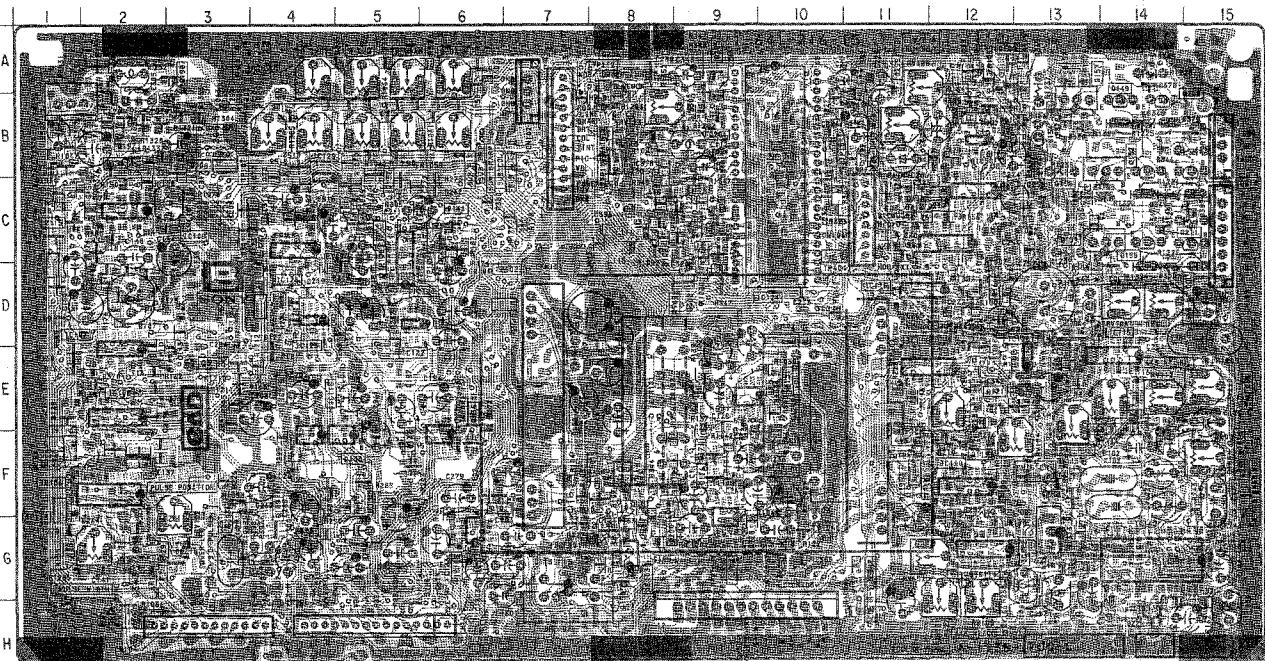


D Board (Conductor Side)

IC	
Q501	C - 15
Q502	C - 13
Q503	C - 12
Q504	D - 9
Q505	E - 12
Q506	F - 12
Q507	G - 12
Q508	H - 12
Q509	I - 12
Q510	J - 12
Q511	K - 12
Q512	L - 12
Q513	M - 12
Q514	N - 12
Q515	O - 15
Q516	P - 12
Q517	Q - 11
Q518	R - 12
Q519	S - 11
Q520	T - 12
Q521	U - 12
Q522	V - 11
Q523	W - 13
Q524	X - 13
Q525	Y - 9
Q526	Z - 12
Q527	A - 12
Q528	B - 12
Q529	C - 12
Q530	D - 12
Q531	E - 12
Q532	F - 12
Q533	G - 12
Q534	H - 12
Q535	I - 12
Q536	J - 12
Q537	K - 12
Q538	L - 12
Q539	M - 12
Q540	N - 12
Q541	O - 12
Q542	P - 12
Q543	Q - 12
Q544	R - 12
Q545	S - 12
Q546	T - 12
Q547	U - 12
Q548	V - 12
Q549	W - 12
Q550	X - 12
Q551	Y - 12
Q552	Z - 12
Q553	A - 12
Q554	B - 12
Q555	C - 12
Q556	D - 12
Q557	E - 12
Q558	F - 12
Q559	G - 12
Q560	H - 12
Q561	I - 12
Q562	J - 12
Q563	K - 12
Q564	L - 12
Q565	M - 12
Q566	N - 12
Q567	O - 12
Q568	P - 12
Q569	Q - 12
Q570	R - 12
Q571	S - 12
Q572	T - 12
Q573	U - 12
Q574	V - 12
Q575	W - 12
Q576	X - 12
Q577	Y - 12
Q578	Z - 12
Q579	A - 12
Q580	B - 12
Q581	C - 12
Q582	D - 12
Q583	E - 12
Q584	F - 12
Q585	G - 12
Q586	H - 12
Q587	I - 12
Q588	J - 12
Q589	K - 12
Q590	L - 12
Q591	M - 12
Q592	N - 12
Q593	O - 12
Q594	P - 12
Q595	Q - 12
Q596	R - 12
Q597	S - 12
Q598	T - 12
Q599	U - 12
Q600	V - 12
Q601	W - 12
Q602	X - 12
Q603	Y - 12
Q604	Z - 12
Q605	A - 12
Q606	B - 12
Q607	C - 12
Q608	D - 12
Q609	E - 12
Q610	F - 12
Q611	G - 12
Q612	H - 12
Q613	I - 12
Q614	J - 12
Q615	K - 12
Q616	L - 12
Q617	M - 12
Q618	N - 12
Q619	O - 12
Q620	P - 12
Q621	Q - 12
Q622	R - 12
Q623	S - 12
Q624	T - 12
Q625	U - 12
Q626	V - 12
Q627	W - 12
Q628	X - 12
Q629	Y - 12
Q630	Z - 12
Q631	A - 12
Q632	B - 12
Q633	C - 12
Q634	D - 12
Q635	E - 12
Q636	F - 12
Q637	G - 12
Q638	H - 12
Q639	I - 12
Q640	J - 12
Q641	K - 12
Q642	L - 12
Q643	M - 12
Q644	N - 12
Q645	O - 12
Q646	P - 12
Q647	Q - 12
Q648	R - 12
Q649	S - 12
Q650	T - 12
Q651	U - 12
Q652	V - 12
Q653	W - 12
Q654	X - 12
Q655	Y - 12
Q656	Z - 12
Q657	A - 12
Q658	B - 12
Q659	C - 12
Q660	D - 12
Q661	E - 12
Q662	F - 12
Q663	G - 12
Q664	H - 12
Q665	I - 12
Q666	J - 12
Q667	K - 12
Q668	L - 12
Q669	M - 12
Q670	N - 12
Q671	O - 12
Q672	P - 12
Q673	Q - 12
Q674	R - 12
Q675	S - 12
Q676	T - 12
Q677	U - 12
Q678	V - 12
Q679	W - 12
Q680	X - 12
Q681	Y - 12
Q682	Z - 12
Q683	A - 12
Q684	B - 12
Q685	C - 12
Q686	D - 12
Q687	E - 12
Q688	F - 12
Q689	G - 12
Q690	H - 12
Q691	I - 12
Q692	J - 12
Q693	K - 12
Q694	L - 12
Q695	M - 12
Q696	N - 12
Q697	O - 12
Q698	P - 12
Q699	Q - 12
Q700	R - 12
Q701	S - 12
Q702	T - 12
Q703	U - 12
Q704	V - 12
Q705	W - 12
Q706	X - 12
Q707	Y - 12
Q708	Z - 12
Q709	A - 12
Q710	B - 12
Q711	C - 12
Q712	D - 12
Q713	E - 12
Q714	F - 12
Q715	G - 12
Q716	H - 12
Q717	I - 12
Q718	J - 12
Q719	K - 12
Q720	L - 12
Q721	M - 12
Q722	N - 12
Q723	O - 12
Q724	P - 12
Q725	Q - 12
Q726	R - 12
Q727	S - 12
Q728	T - 12
Q729	U - 12
Q730	V - 12
Q731	W - 12
Q732	X - 12
Q733	Y - 12
Q734	Z - 12
Q735	A - 12
Q736	B - 12
Q737	C - 12
Q738	D - 12
Q739	E - 12
Q740	F - 12
Q741	G - 12
Q742	H - 12
Q743	I - 12
Q744	J - 12
Q745	K - 12
Q746	L - 12
Q747	M - 12
Q748	N - 12
Q749	O - 12
Q750	P - 12
Q751	Q - 12
Q752	R - 12
Q753	S - 12
Q754	T - 12
Q755	U - 12
Q756	V - 12
Q757	W - 12
Q758	X - 12
Q759	Y - 12
Q760	Z - 12
Q761	A - 12
Q762	B - 12
Q763	C - 12
Q764	D - 12
Q765	E - 12
Q766	F - 12
Q767	G - 12
Q768	H - 12
Q769	I - 12
Q770	J - 12
Q771	K - 12
Q772	L - 12
Q773	M - 12
Q774	N - 12
Q775	O - 12
Q776	P - 12
Q777	Q - 12
Q778	R - 12
Q779	S - 12
Q780	T - 12
Q781	U - 12
Q782	V - 12
Q783	W - 12
Q784	X - 12
Q785	Y - 12
Q786	Z - 12
Q787	A - 12
Q788	B - 12
Q789	C - 12
Q790	D - 12
Q791	E - 12
Q792	F - 12
Q793	G - 12
Q794	H - 12
Q795	I - 12
Q796	J - 12
Q797	K - 12
Q798	L - 12
Q799	M - 12
Q800	N - 12
Q801	O - 12
Q802	P - 12
Q803	Q - 12
Q804	R - 12
Q805	S - 12
Q806	T - 12
Q807	U - 12
Q808	V - 12
Q809	W - 12
Q810	X - 12
Q811	Y - 12
Q812	Z - 12
Q813	A - 12
Q814	B - 12
Q815	C - 12
Q816	D - 12
Q817	E - 12
Q818	F - 12
Q819	G - 12
Q820	H - 12
Q821	I - 12
Q822	J - 12
Q823	K - 12
Q824	L - 12
Q825	M - 12
Q826	N - 12
Q827	O - 12
Q828	P - 12
Q829	Q - 12
Q830	R - 12
Q831	S - 12
Q832	T - 12
Q833	U - 12
Q834	V - 12
Q835	W - 12
Q836	X - 12
Q837	Y - 12
Q838	Z - 12
Q839	A - 12
Q840	B - 12
Q841	C - 12
Q842	D - 12
Q843	E - 12
Q844	F - 12
Q845	G - 12
Q846	H - 12
Q847	I - 12
Q848	J - 12
Q849	K - 12
Q850	L - 12
Q851	M - 12
Q852	N - 12
Q853	O - 12
Q854	P - 12
Q855	Q - 12
Q856	R - 12
Q857	S - 12
Q858	T - 12
Q859	U - 12
Q860	V - 12
Q861	W - 12
Q862	X - 12
Q863	Y - 12
Q864	Z - 12
Q865	A - 12
Q866	B - 12
Q867	C - 12
Q868	D - 12
Q869	E - 12
Q870	F - 12
Q871	G - 12
Q872	H - 12
Q873	I - 12
Q874	J - 12
Q875	K - 12
Q876	L - 12
Q877	M - 12
Q878	N - 12
Q879	O - 12
Q880	P - 12
Q881	Q - 12
Q882	R - 12
Q883	S - 12
Q884	T - 12
Q885	U - 12
Q886	V - 12
Q887	W - 12
Q888	X - 12
Q889	Y - 12
Q890	Z - 12
Q891	A - 12
Q892	B - 12
Q893	C - 12
Q894	D - 12
Q895	E - 12
Q896	F - 12
Q897	G - 12
Q898	H - 12
Q899	I - 12
Q900	J - 12
Q901	K - 12
Q902	L - 12
Q903	M - 12
Q904	N - 12
Q905	O - 12
Q906	P - 12
Q907	Q - 12
Q908	R - 12
Q909	S - 12
Q910	T - 12
Q911	U - 12
Q912	V - 12
Q913	W - 12
Q914	X - 12
Q915	Y - 12
Q916	Z - 12
Q917	A - 12
Q918	B - 12
Q919	C - 12
Q920	D - 12
Q921	E - 12
Q922	F - 12
Q923	G - 12
Q924	H - 12
Q925	I - 12
Q926	J - 12
Q927	K - 12
Q928	L - 12
Q929	M - 12
Q930	N - 12
Q931	O - 12
Q932	P - 12
Q933	Q - 12
Q934	R - 12
Q935	S - 12
Q936	T - 12
Q937	U - 12
Q938	V - 12
Q939	W - 12
Q940	X - 12
Q941	Y - 12
Q942	Z - 12
Q943	A - 12
Q944	B - 12
Q945	C - 12
Q946	D - 12
Q947	E - 12
Q948	F - 12
Q949	G - 12
Q950	H - 12
Q951	I - 12
Q952	J - 12
Q953	K - 12
Q954	L - 12
Q955	M - 12
Q956	N - 12
Q957	O - 12
Q958	P - 12
Q959	Q - 12
Q960	R - 12
Q961	S - 12
Q962	T - 12
Q963	U - 12
Q964	V - 12
Q965	W - 12
Q966	X - 12
Q967	Y - 12
Q968	Z - 12
Q969	A - 12
Q970	B - 12
Q971	C - 12
Q972	D - 12
Q973	E - 12
Q974	F - 12
Q975	G - 12
Q976	H - 12
Q977	I - 12
Q978	J - 12
Q979	K - 12
Q980	L - 12
Q981	M - 12
Q982	N - 12
Q983	O - 12
Q984	P - 12
Q985	Q - 12
Q986	R - 12
Q987	S - 12
Q988	T - 12
Q989	U - 12
Q990	V - 12
Q991	W - 12
Q992	X - 12
Q993	Y - 12
Q994	Z - 12
Q995	A - 12
Q996	B - 12
Q997	C - 12
Q998	D - 12
Q999	E - 12
Q9999	F - 12

B [SIGNAL PROCESS]

- B Board - - Component Side -



B Board (Component Side)

IC	Q109	G - 4
IC102	G - 9	C193 B - 2
IC103	G - 9	C196 B - 1
IC104	E - 9	C197 B - 2
IC105	G - 6	Q198 A - 3
IC106	F - 2	C200 F - 8
IC107	E - 2	C204 C - 8
IC108	C - 2	C205 A - 8
IC110	F - 12	C206 B - 3
IC111	E - 11	C212 C - 11
IC113	G - 14	C209 A - 11
IC114	H - 12	
IC115	D - 11	
IC116	D - 14	
IC117	F - 6	
IC118	F - 5	D107 D - 2
IC119	C - 4	D121 E - 4
IC120	C - 4	D122 E - 4
IC121	D - 5	D123 C - 4
IC122	D - 5	D128 E - 1
IC123	D - 4	D130 B - 13
IC125	C - 12	D131 C - 14
IC126	C - 12	D132 D - 14
IC127	C - 12	D137 E - 11
IC128	E - 13	D138 B - 13
IC129	B - 4	D139 C - 13
		D146 D - 12
		D147 E - 12
		D153 B - 4
		D154 B - 13
Q101	F - 6	D156 C - 13
Q104	G - 10	D157 A - 13
Q109	A - 12	D158 B - 11
Q110	C - 7	D159 C - 9
Q119	E - 12	D160 E - 9
Q121	E - 12	D191 C - 1
Q124	F - 11	D342 D - 12
Q126	G - 3	D343 H - 2
Q132	C - 5	D344 F - 8
Q136	F - 6	D345 A - 14
Q137	F - 6	D346 C - 14
Q138	F - 5	D347 C - 14
Q141	C - 6	D348 B - 14
Q150	G - 8	D349 C - 14
Q164	B - 12	D350 D - 14
Q166	D - 12	D351 D - 1
Q171	F - 9	D353 G - 3
Q176	F - 9	

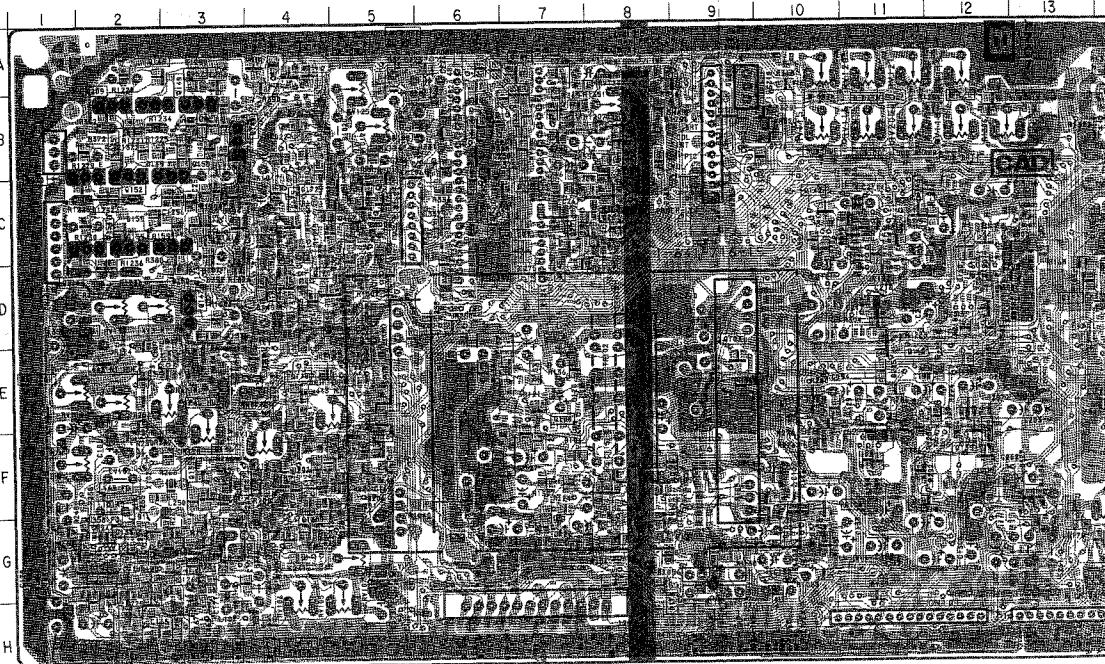
■ : Pattern from the side which enables seeing.

● : Pattern of the rear side.

— B Board — — Conductor Side —

B Board (Component Side)

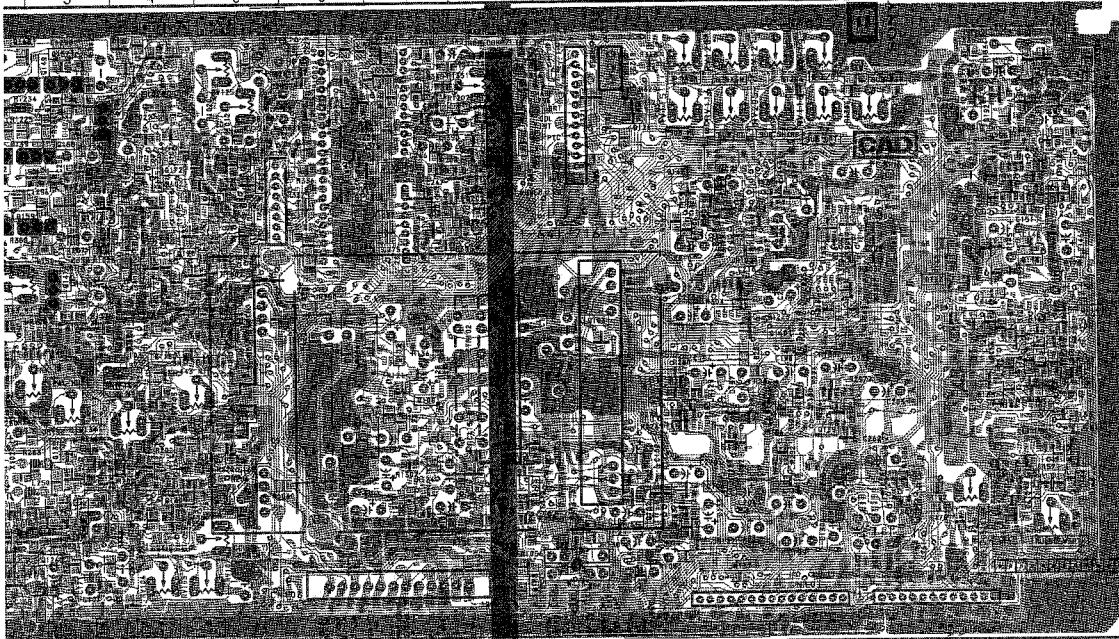
IC	Q169 G - 4
IC102	G - 9
(C103)	G - 8
IC104	G - 8
IC105	G - 6
IC106	F - 2
IC107	E - 2
IC108	E - 2
IC109	E - 2
IC110	F - 12
(C111)	E - 11
IC112	G - 14
IC114	G - 12
(C115)	E - 11
IC116	P - 8
IC118	F - 5
IC119	F - 4
IC120	C - 4
(C121)	C - 4
IC122	D - 5
IC123	D - 4
IC125	C - 12
IC126	C - 12
IC127	C - 12
IC128	E - 13
IC129	B - 4
DIODE	
DI107	D - 2
DI110	E - 4
DI122	E - 4
DI23	C - 4
DI28	E - 1
DI30	B - 13
DI31	C - 14
DI32	D - 14
DI33	D - 11
DI38	B - 13
DI39	C - 13
DI46	D - 12
DI51	C - 5
DI52	D - 4
DI53	B - 4
DI54	B - 13
DI56	C - 13
DI67	A - 13
DI115	C - 1
DI116	B - 17
DI119	F - 5
DI21	C - 4
DI22	E - 12
DI34	F - 11
DI38	G - 3
Q132	C - 5
Q135	F - 6
Q137	F - 5
Q138	F - 6
Q141	C - 6
Q150	G - 8
Q164	B - 12
Q166	D - 12
Q171	F - 9
Q176	F - 9

TRANSISTOR

side which enables seeing
u side.

Side --

3 4 5 6 7 8 9 10 11 12 13 14 15

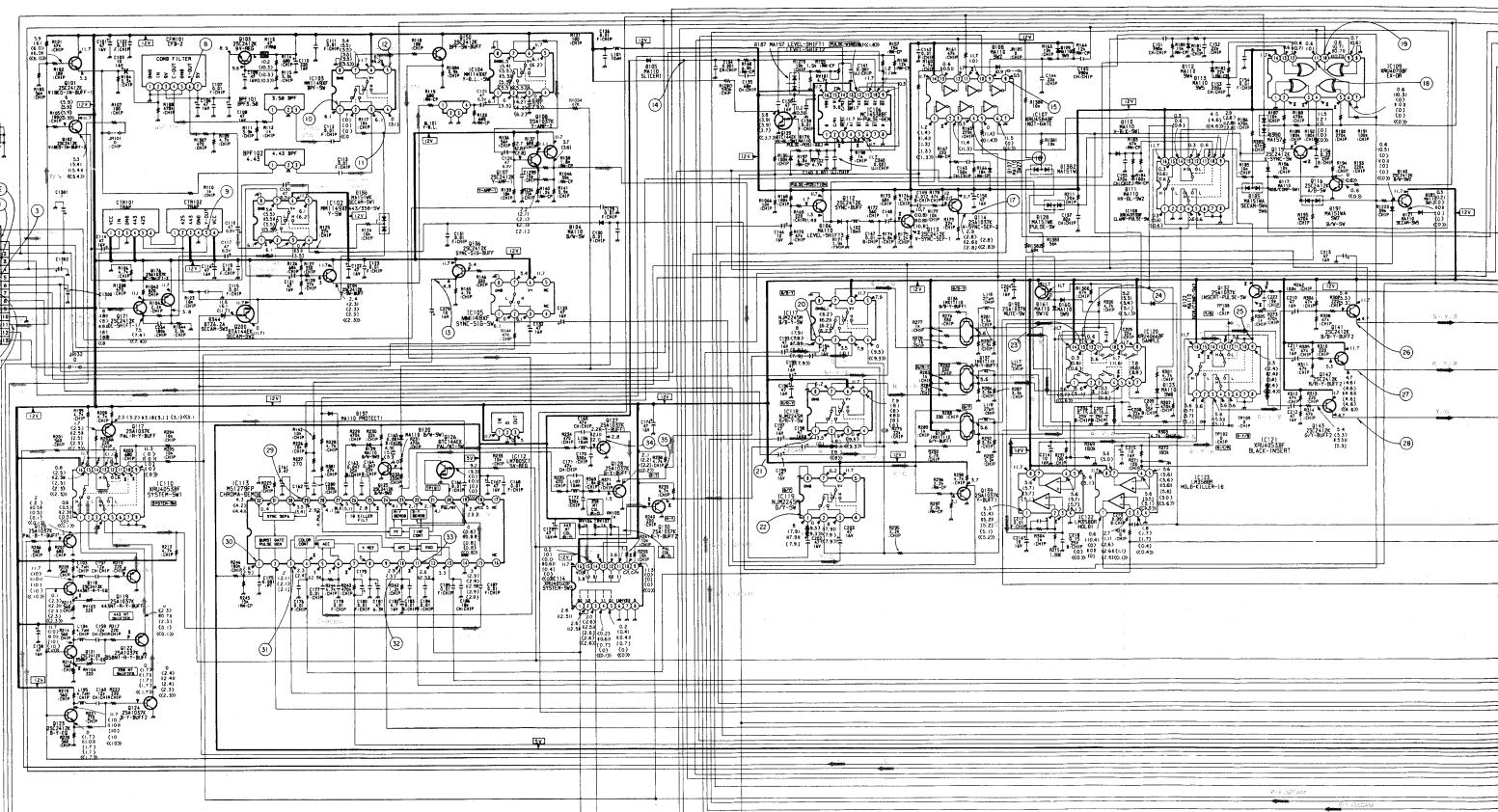


- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

B Board (Conductor Side)

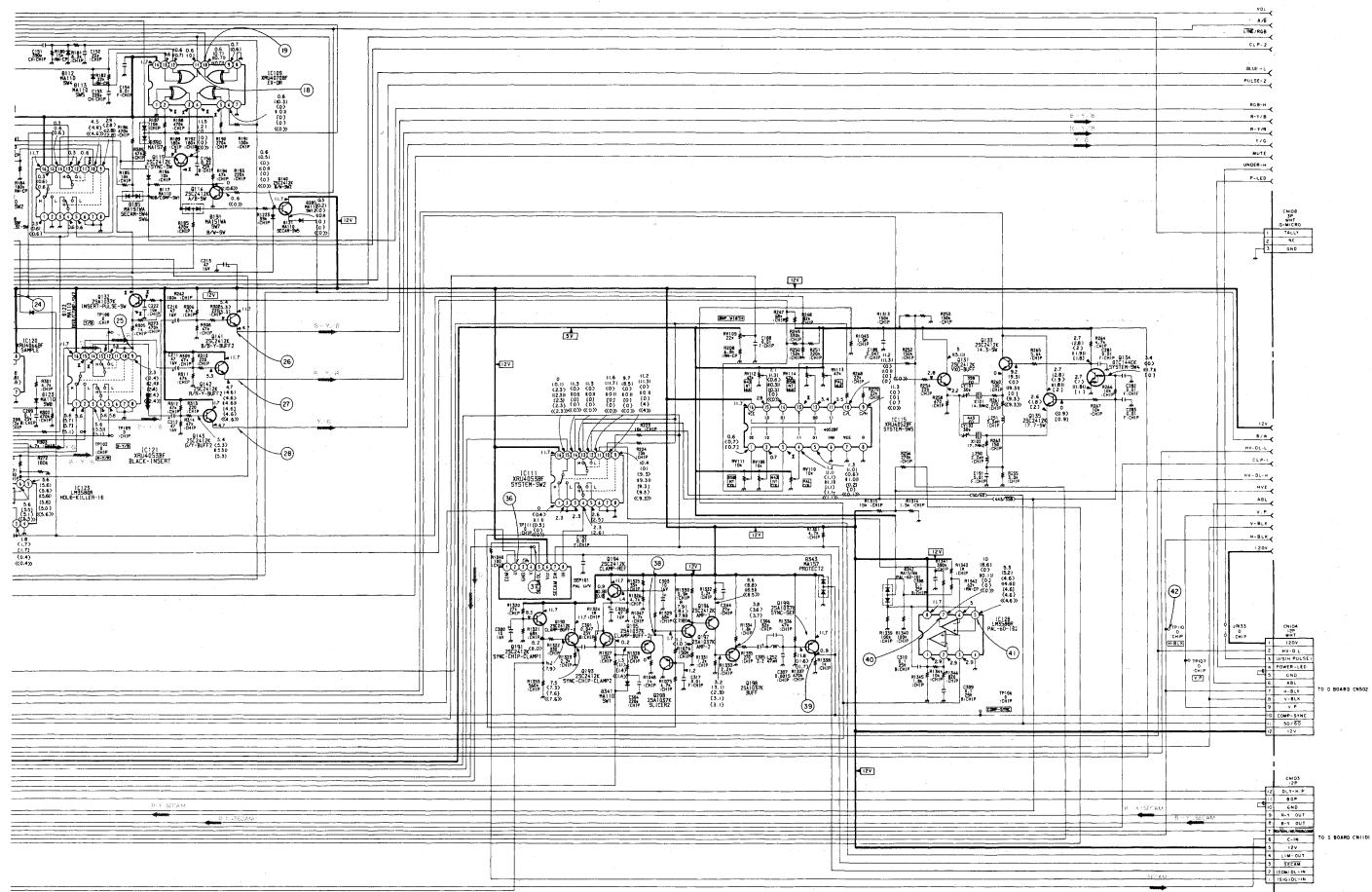
IC	C - 4	VARIABLE RESISTOR
Q102	G - 3	RV174 G - 15
Q103	F - 3	RV175 F - 15
Q106	F - 10	RV102 H - 14
Q107	E - 7	RV103 E - 6
Q108	E - 7	RV104 F - 4
Q112	D - 14	RV105 H - 5
Q113	D - 14	RV106 G - 5
Q114	E - 5	RV107 E - 5
Q116	E - 5	RV115 E - 10
Q117	F - 15	RV116 B - 11
Q118	E - 4	RV118 B - 12
Q120	F - 4	RV119 A - 12
Q122	F - 4	RV120 A - 11
Q123	E - 8	RV121 A - 11
Q125	H - 2	RV122 A - 10
Q126	G - 3	RV123 B - 8
Q127	H - 4	RV124 B - 5
Q128	H - 3	RV125 A - 5
Q130	G - 2	RV205 B - 11
Q131	G - 2	
Q132	G - 3	
Q133	G - 3	
Q134	F - 3	
Q135	F - 3	
Q138	F - 12	
Q139	E - 10	
Q142	E - 4	
Q143	C - 11	
Q144	A - 7	
Q145	C - 7	
Q146	B - 3	
Q147	D - 3	
Q148	B - 3	
Q149	B - 2	
Q151	B - 2	
Q152	B - 2	
Q153	C - 7	
Q154	C - 7	
Q155	C - 2	
Q157	B - 3	
Q158	B - 3	
Q159	C - 3	
Q160	A - 4	
Q161	A - 4	
Q165	D - 4	
Q167	D - 4	
Q168	D - 5	
Q170	C - 4	
Q172	C - 4	
Q173	D - 4	

2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18



B
(1/2)
[SIGNAL PROCESS]

15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30



THE JOURNAL OF CLIMATE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A

B

C

D

E

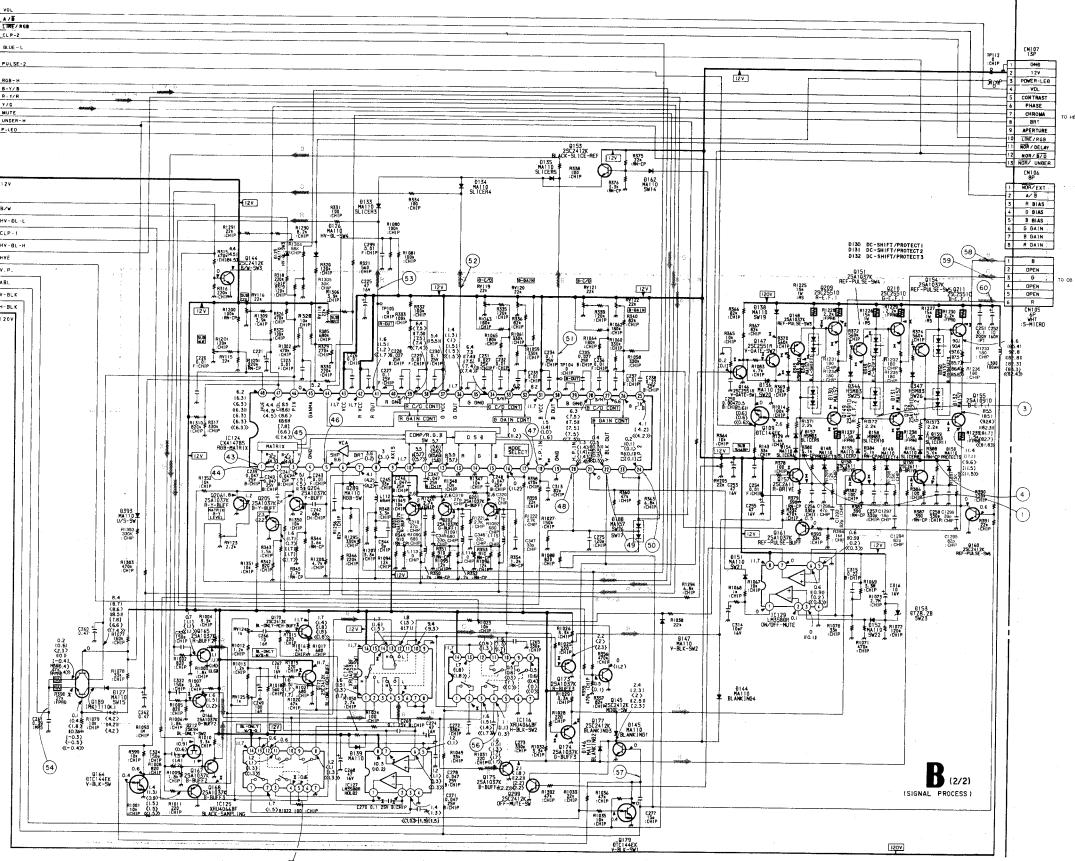
F

G

H

I

J

B (2/2)
SIGNAL PROCESS

— B —

X
Q113
Q115
Q116
Q117
Q118
Q119
Q120
Q121
Q122
Q123
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Q209
Q210
Q211

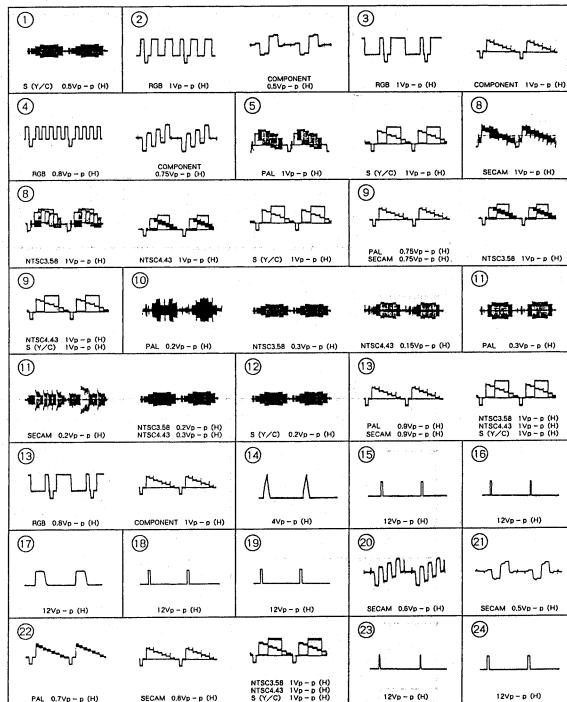
— Board —

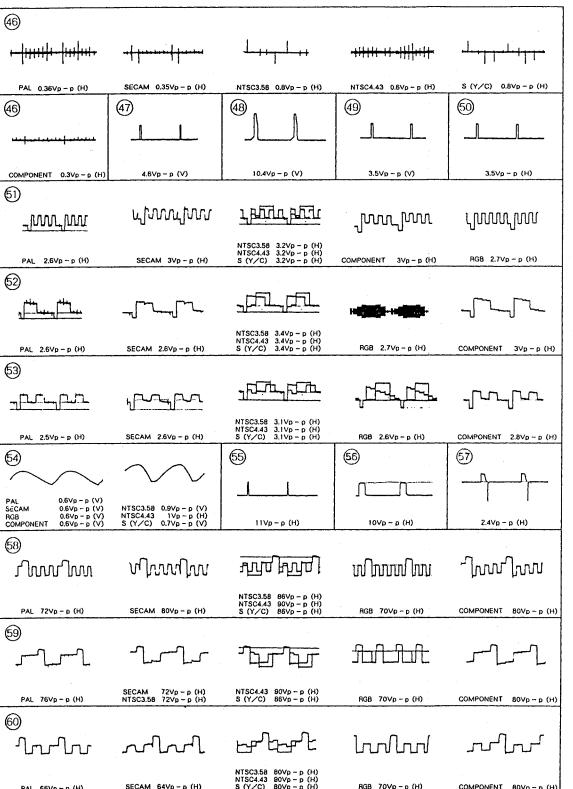
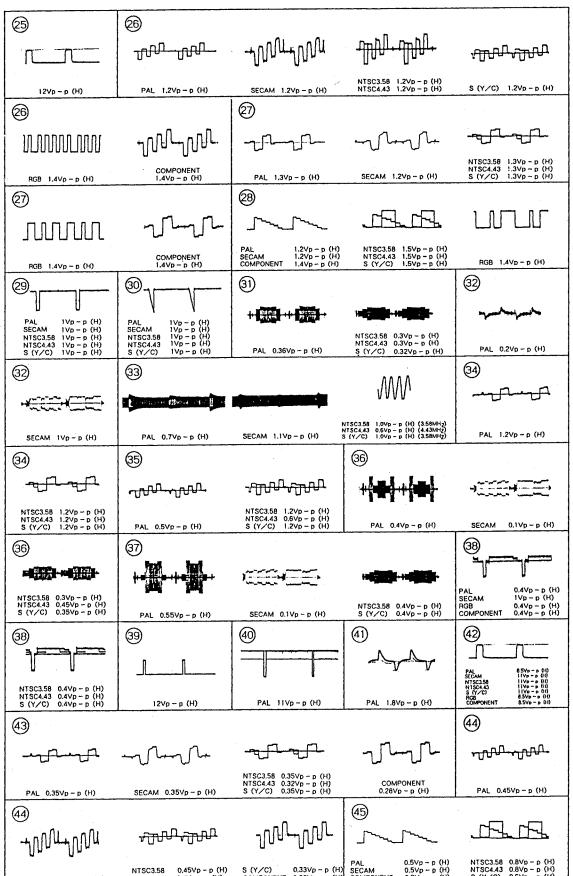
X

< TRANSISTOR >

	PAL	SECAM	NTSC	S (YC)	ANALOG ROB	COMPONENT
G113 E	0.5	0.5	0.4	0.5	0.5	0.5
B	1.0	1.0	0.9	0.8	0.9	1.0
G115 E	1.12	9.3	0.0	10.8	0.0	0.0
B	2.8	2.2	0.1	2.4	0.1	0.0
G116 E	0.0	0.0	1.7	1.7	1.7	1.7
B	0.0	0.0	1.7	1.7	1.7	1.7
G117 E	0.0	0.0	1.7	1.7	1.7	1.7
G122 B	0.9	0.0	1.7	1.7	1.7	1.7
G130 E	4.3	4.3	4.4	4.4	4.3	4.4
B	3.7	3.7	3.8	3.8	3.9	3.8
G132 E	2.3	2.3	2.4	2.3	2.4	2.4
C	1.7	1.7	1.7	1.7	1.7	1.7
B	2.7	2.8	2.7	2.8	2.7	2.8
G148 C	118.7	114.4	110.4	112.2	112.7	114.2
G147 E	117.0	115.6	111.8	114.4	115.0	115.4
C	128.0	123.5	120.3	124.4	122.8	124.0
B	119.0	119.5	110.5	118.8	118.2	114.2
G149 E	86.4	89.4	81.2	83.4	82.9	82.8
B	86.0	88.3	83.5	82.9	82.4	80.6
G149 E	1.8	1.8	1.4	1.7	1.7	1.7
C	80.1	84.9	91.2	83.4	82.7	82.5
G151 E	90.7	91.4	98.7	87.9	87.0	88.4
C	89.2	89.8	99.5	88.4	85.3	84.9
B	92.1	92.7	100.2	89.9	82.4	88.9
G152 E	10.8	10.8	9.7	10.9	10.8	11.0
C	82.5	82.5	99.9	90.1	88.7	80.4
G155 E	88.3	88.5	95.7	85.7	83.8	83.9
G157 E	82.4	81.1	87.5	76.7	79.8	79.4
B	80.0	84.9	91.2	84.4	82.7	82.5
G158 E	1.9	1.5	1.3	1.6	1.5	1.7
B	2.0	2.0	1.9	2.2	2.2	2.2
G159 E	1.6	1.8	1.3	1.6	1.7	1.7
B	2.2	2.1	1.5	2.1	2.2	2.2
G163 E	0.2	0.6	2.7	0.5	-0.5	-0.7
G166 B	0.9	0.9	0.6	1.0	1.0	1.0
G168 C	2.1	2.0	1.6	2.1	2.2	2.2
G170 B	2.2	2.3	2.1	2.4	2.4	2.2
G172 B	2.1	2.1	1.6	2.3	2.2	1.3
G173 B	1.7	1.8	1.4	1.7	1.7	1.7
G174 E	2.1	2.0	1.8	2.1	2.2	2.2
B	1.5	1.5	1.3	1.6	1.7	1.7
G178 B	6.2	6.3	6.2	6.3	6.1	6.2
G209 E	82.1	82.1	87.7	82.1	82.1	82.1
C	112.8	112.2	116.7	112.2	116.8	114.5
B	87.8	88.4	92.8	85.9	84.3	84.2
G210 E	86.5	86.3	93.1	83.0	83.3	83.0
C	116.5	114.2	111.5	112.9	114.5	115.1
G211 C	115.9	113.6	111.7	113.3	113.8	114.5

• B BOARD WAVEFORMS





NOTE:
The components identified by shading and mark are critical for safety.
Replace only with part numbers specified.

Les composants identifiés par la couleur et le symbole sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifique.

REF. NO. PART NO. DE:

*A-1135-726-11 FILT

<FILTER>

BPF101 I-236-363-11 FILT

BPF102 I-236-364-11 FILT

<CAPACITO

C101 I-124-589-11 ELEC

C102 I-163-031-11 CERA

C103 I-163-031-11 CERA

C106 I-124-477-11 ELEC

C107 I-163-031-11 CERA

C108 I-124-477-11 ELEC

C109 I-124-477-11 ELEC

C110 I-124-477-11 ELEC

C111 I-163-031-11 CERA

C112 I-163-031-11 CERA

C113 I-163-031-11 CERA

C114 I-124-477-11 ELEC

C115 I-124-477-11 ELEC

C116 I-124-589-11 ELEC

C117 I-124-589-11 ELEC

C118 I-126-154-11 ELEC

C119 I-163-031-11 CERA

C120 I-126-154-11 ELEC

C121 I-124-477-11 ELEC

C122 I-124-477-11 ELEC

C123 I-163-031-11 CERA

C125 I-126-154-11 ELEC

C126 I-126-154-11 ELEC

C127 I-126-154-11 ELEC

C129 I-163-031-11 CERA

C130 I-163-031-11 CERA

C131 I-163-031-11 CERA

C132 I-124-589-11 ELEC

C133 I-124-589-11 ELEC

C134 I-163-275-11 CERA

C135 I-163-113-00 CERA

C137 I-163-115-00 CERA

C138 I-124-589-11 ELEC

C139 I-163-031-11 CERA

C140 I-163-205-100 CERA

C141 I-163-141-00 CERA

C142 I-163-141-00 CERA

C143 I-163-121-00 CERA

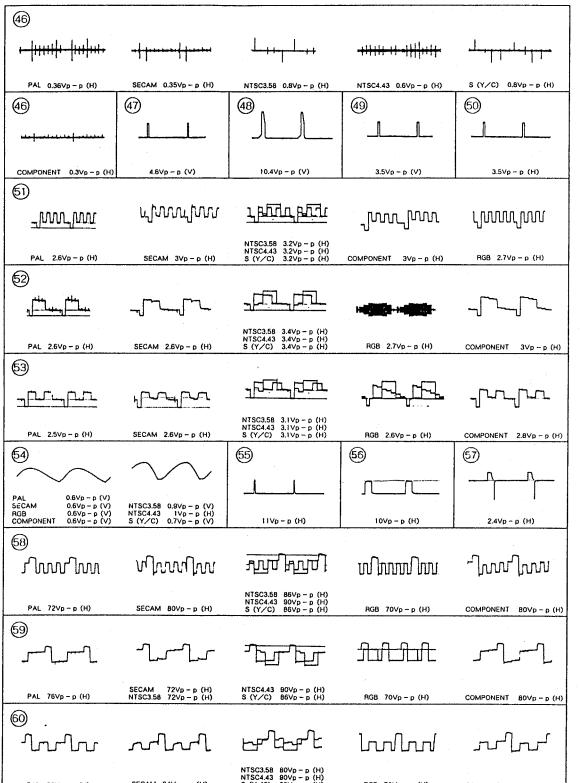
C144 I-163-101-00 CERA

C145 I-163-131-00 CERA

C146 I-126-157-11 ELEC

SECTION 2

ELECTRICAL PARTS LIST



NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Items marked * are not stocked. They are selected during routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

- RESISTORS
 - All resistors are in ohms
 - F : nonflammable

CAPACITORS COILS

μF : μF , μH : μH , μM : μM

- The components identified by Δ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	A-1135-726-A	B BOARD, COMPLETE		C147	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
				C148	1-126-160-11	ELECT IMP	20% 50V
				C149	1-163-022-00	CERAMIC CHIP 0.012MF	10% 50V
				C150	1-124-589-11	ELECT 47MF	20% 16V
		<FILTER>		C151	1-163-131-00	CERAMIC CHIP 390PF	5% 50V
BPF101	1-236-363-11	FILTER, BAND PASS		C152	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
BPF102	1-236-364-11	FILTER, BAND PASS		C153	1-163-031-00	CERAMIC CHIP 47PF	5% 50V
				C154	1-163-031-11	CERAMIC CHIP 0.01MF	50V
		<CAPACITOR>		C155	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C101	1-124-589-11	ELECT 47MF	20% 16V	C156	1-164-299-11	CERAMIC CHIP 0.23MF	10% 25V
C102	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C157	1-163-229-11	CERAMIC CHIP 12PF	5% 50V
C103	1-126-157-11	ELECT 10MF	20% 16V	C158	1-124-477-11	ELECT 47MF	20% 16V
C106	1-124-477-11	ELECT 47MF	20% 16V	C159	1-163-229-11	CERAMIC CHIP 12PF	5% 50V
C107	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C160	1-163-229-11	CERAMIC CHIP 12PF	5% 50V
C108	1-124-477-11	ELECT 47MF	20% 16V	C161	1-124-902-00	ELECT 47MF	20% 50V
C109	1-124-477-11	ELECT 47MF	20% 16V	C162	1-124-903-11	ELECT IMP	20% 50V
C110	1-124-477-11	ELECT 47MF	20% 16V	C163	1-124-903-11	CERAMIC CHIP 0.047MF	10% 25V
C111	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C164	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C112	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C165	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C113	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C166	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C114	1-124-477-11	ELECT 47MF	20% 16V	C167	1-124-477-11	ELECT 47MF	20% 16V
C115	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C168	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C116	1-124-389-11	ELECT 47MF	20% 16V	C169	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C117	1-126-154-11	ELECT 47MF	20% 6.3V	C170	1-163-129-00	CERAMIC CHIP 350PF	5% 50V
C118	1-126-154-11	ELECT 47MF	20% 6.3V	C171	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C119	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C172	1-163-129-00	CERAMIC CHIP 350PF	5% 50V
C120	1-124-477-11	ELECT 47MF	20% 6.3V	C173	1-124-589-11	ELECT 47MF	20% 16V
C121	1-124-477-11	ELECT 47MF	20% 6.3V	C174	1-124-477-11	ELECT 47MF	20% 16V
C122	1-124-477-11	ELECT 47MF	20% 6.3V	C175	1-103-702-11	MILAR 0.001MF	50V
C123	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C176	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C125	1-126-154-11	ELECT 47MF	20% 6.3V	C177	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C126	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C178	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C128	1-126-154-11	ELECT 47MF	20% 6.3V	C179	1-126-160-11	ELECT IMP	20% 50V
C129	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C180	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C130	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C181	1-126-154-11	ELECT 47MF	20% 6.3V
C131	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C182	1-126-163-11	ELECT 47MF	20% 16V
C132	1-124-389-11	ELECT 47MF	20% 16V	C183	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C133	1-126-154-11	ELECT 47MF	20% 16V	C184	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C134	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C185	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C135	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C186	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C137	1-163-113-00	CERAMIC CHIP 87PF	5% 50V	C187	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C138	1-124-589-11	ELECT 47MF	20% 16V	C188	1-163-035-00	CERAMIC CHIP 0.047MF	50V
C139	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C189	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C140	1-163-205-00	CERAMIC CHIP 5%	50V	C190	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C146	1-126-157-11	ELECT 10MF	20% 16V	C191	1-163-031-11	CERAMIC CHIP 0.01MF	50V
				C192	1-163-031-11	CERAMIC CHIP 0.01MF	50V
				C193	1-124-589-11	ELECT 47MF	20% 16V
				C194	1-124-589-11	ELECT 47MF	20% 16V
				C195	1-124-589-11	ELECT 47MF	20% 16V
				C196	1-124-589-11	ELECT 47MF	20% 16V
				C197	1-124-589-11	ELECT 47MF	20% 16V

B

B

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK							
C198	1-124-589-11	ELECT	47MF	20%	16V	C266	1-126-320-11	ELECT	10MF	20%	16V	CN102	1-564-506-11	PLUG, CONNECTOR 3P		D160	8-719-104-46	DIODE MA110		JR132	1-									
C199	1-124-589-11	ELECT	47MF	20%	16V	C267	1-126-320-11	ELECT	10MF	20%	16V	CN103	1-565-503-11	CONNECTOR, BOARD TO BOARD 12P		D161	8-719-104-46	DIODE MA110		JR133	1-									
C200	1-124-589-11	ELECT	47MF	20%	16V	C268	1-124-477-11	ELECT	47MF	20%	16V	CN104	1-566-477-11	PIN, CONNECTOR 12P		D162	8-719-104-46	DIODE MA110		JR178	1-									
C201	1-124-589-11	ELECT	47MF	20%	16V	C269	1-164-104-11	ELECT	47MF	10%	16V	CN105	1-564-509-11	PLUG, CONNECTOR 6P		D170	8-719-104-46	DIODE MA110												
C204	1-124-589-11	ELECT	47MF	20%	16V	C270	1-163-104-11	ELECT	47MF	10%	16V	CN107	1-506-478-11	PIN, CONNECTOR 13P																
C205	1-163-101-00	CERAMIC CHIP	22PF	5%	50V	C271	1-163-098-11	CERAMIC CHIP	0.047MF	10%	25V			<TRAP MODULE>		D185	8-719-104-34	DIODE MA1236												
C206	1-164-298-11	CERAMIC CHIP	0.15MF	10%	25V	C272	1-163-129-00	CERAMIC CHIP	330PF	5%	50V	CTR101	1-236-366-11	MODULE, TRAP		D186	8-719-104-18	DIODE MA1224K												
C207	1-164-298-11	CERAMIC CHIP	0.15MF	10%	25V	C273	1-163-129-00	CERAMIC CHIP	330PF	5%	50V	CTR102	1-236-365-11	MODULE, TRAP		D187	8-719-104-34	DIODE MA1224												
C208	1-163-101-00	CERAMIC CHIP	22PF	5%	50V	C274	1-124-477-11	ELECT	47MF	20%	16V			<TRIMMER>		D188	8-719-800-76	DIODE ISS226	L101	L102										
C209	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C275	1-163-119-00	CERAMIC CHIP	120PF	5%	50V	CV101	1-141-418-11	CAP, ADJ		D189	8-719-104-34	DIODE ISS226	L103	L104										
C210	1-124-589-11	ELECT	47MF	20%	16V	C277	1-163-097-00	CERAMIC CHIP	15PF	5%	50V	CV102	1-141-418-11	CAP, ADJ		D205	8-719-104-46	DIODE MA110												
C211	1-124-589-11	ELECT	47MF	20%	16V	C278	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V			<TRIMMER>		D209	8-719-104-46	DIODE MA110												
C212	1-124-589-11	ELECT	47MF	20%	16V	C279	1-163-157-11	ELECT	10MF	20%	16V	D104	8-719-404-46	DIODE MA110		D341	8-719-104-46	DIODE MA110	L106	L107										
C213	1-124-589-11	ELECT	47MF	20%	16V	C280	1-163-117-00	CERAMIC CHIP	0.01MF	5%	50V	D105	8-719-404-46	DIODE MA110		D342	8-719-104-34	DIODE MA1236	L112	L113										
C214	1-126-157-11	ELECT	10MF	20%	16V	C281	1-163-031-11	CERAMIC CHIP	0.01MF	5%	50V	D106	8-719-404-46	DIODE MA110		D343	8-719-800-76	DIODE ISS226	L114	L115										
C215	1-126-157-11	ELECT	10MF	20%	16V	C282	1-163-031-11	CERAMIC CHIP	0.01MF	5%	50V			<DIODE>		D344	8-719-105-XX	DIODE RD6.2W-B1												
C216	1-126-157-11	ELECT	10MF	20%	16V	C283	1-163-031-11	CERAMIC CHIP	0.01MF	5%	50V	D107	8-719-404-46	DIODE MA110		D345	8-719-901-83	DIODE ISS33	L115	L116										
C217	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V	C284	1-163-129-00	CERAMIC CHIP	0.01MF	5%	50V	D108	8-719-800-76	DIODE ISS226		D346	8-719-800-76	DIODE ISS226	L117	L118										
C218	1-164-298-11	CERAMIC CHIP	0.15MF	10%	25V	C285	1-163-129-00	CERAMIC CHIP	0.047MF	10%	25V	D109	8-719-404-46	DIODE MA110		D349	8-719-800-76	DIODE ISS226	L119	L120										
C219	1-163-003-11	CERAMIC CHIP	0.01MF	10%	50V	C286	1-163-129-00	CERAMIC CHIP	0.047MF	10%	25V	D110	8-719-404-46	DIODE MA110		D500	8-719-800-76	DIODE ISS226	L250	L251										
C220	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V	C287	1-124-589-11	ELECT	47MF	20%	16V	D111	8-719-404-46	DIODE MA110		D500	8-719-800-76	DIODE ISS226	L252	L253										
C221	1-124-903-11	ELECT	1MF	20%	50V	C288	1-124-157-11	ELECT	10MF	20%	16V	D112	8-719-404-46	DIODE MA110		D500	8-719-800-76	DIODE ISS226	L253	L254										
C222	1-124-903-11	ELECT	1MF	20%	50V	C289	1-163-129-00	CERAMIC CHIP	22PF	5%	50V	D113	8-719-404-46	DIODE MA110		D500	8-719-800-76	DIODE ISS226	L254	L255										
C223	1-124-903-11	ELECT	1MF	20%	50V	C290	1-163-115-00	CERAMIC CHIP	82PF	5%	50V	D114	8-719-404-46	DIODE MA110		D500	8-719-800-76	DIODE ISS226	L255	L256										
C225	1-124-477-11	ELECT	47MF	20%	16V	C291	1-163-145-00	CERAMIC CHIP	0.0015MF	5%	50V	D115	8-719-404-46	DIODE MA110		D500	8-719-800-76	DIODE ISS226	L256	L257										
C226	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V	C292	1-163-145-00	CERAMIC CHIP	0.01MF	5%	50V			<DELAY LINE>		DL101	1-415-632-11	DELAY LINE, Y												
C227	1-163-038-00	CERAMIC CHIP	0.1MF	25%	50V	C293	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	D117	8-719-404-46	DIODE MA110										Q101	8-					
C228	1-163-986-00	CERAMIC CHIP	0.027MF	10%	25V	C294	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	D118	8-719-404-46	DIODE MA110										Q102	8-					
C229	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V	C295	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	D119	8-719-404-46	DIODE MA110										Q103	8-					
C230	1-163-038-00	CERAMIC CHIP	0.1MF	25%	50V	C296	1-163-031-11	CERAMIC CHIP	0.01MF	5%	50V	D120	8-719-404-46	DIODE MA110										Q104	8-					
C231	1-163-986-00	CERAMIC CHIP	0.027MF	10%	25V	C297	1-163-157-11	ELECT	10MF	20%	16V	D121	8-719-404-46	DIODE MA110										Q106	8-					
C232	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V	C298	1-163-103-00	CERAMIC CHIP	27PF	5%	50V	D122	8-719-404-46	DIODE MA110																
C233	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V	C299	1-164-299-11	CERAMIC CHIP	0.023MF	10%	25V	D123	8-719-404-46	DIODE MA110																
C234	1-163-038-00	CERAMIC CHIP	0.1MF	25%	50V	C300	1-163-129-00	CERAMIC CHIP	15PF	5%	50V	D125	8-719-404-46	DIODE MA110											Q107	8-				
C235	1-163-986-00	CERAMIC CHIP	0.027MF	10%	25V	C301	1-163-031-11	CERAMIC CHIP	0.01MF	5%	50V	D126	8-719-404-46	DIODE MA110											Q108	8-				
C236	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V	C302	1-163-103-00	CERAMIC CHIP	27PF	5%	50V	D127	8-719-404-46	DIODE MA110											Q109	8-				
C237	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V	C303	1-163-129-00	CERAMIC CHIP	15PF	5%	50V	D128	8-719-404-18	DIODE MA152W											Q110	8-				
C238	1-164-299-11	CERAMIC CHIP	0.2MF	10%	25V	C304	1-163-129-00	CERAMIC CHIP	15PF	5%	50V	D129	8-719-404-46	DIODE MA110											Q111	8-				
C239	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V	C305	1-163-129-00	CERAMIC CHIP	15PF	5%	50V	D130	8-719-800-76	DIODE ISS226											Q112	8-				
C240	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V	C306	1-163-129-00	CERAMIC CHIP	15PF	5%	50V	D131	8-719-800-76	DIODE ISS226											Q113	8-				
C241	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V	C307	1-163-103-00	CERAMIC CHIP	27PF	5%	50V	D132	8-719-800-76	DIODE ISS226											Q114	8-				
C242	1-163-113-11	CERAMIC CHIP	68PF	5%	50V	C308	1-163-103-00	CERAMIC CHIP	27PF	5%	50V	D133	8-719-902-00	DIODE CHIP 9PF	0.25PF	50V	D135	8-719-404-46	DIODE MA110										Q115	8-
C243	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V	C309	1-163-103-00	CERAMIC CHIP	33PF	5%	50V	D136	8-719-404-46	DIODE MA110											Q116	8-				
C244	1-163-103-00	CERAMIC CHIP	27PF	5%	50V	C310	1-163-103-00	CERAMIC CHIP	33PF	5%	50V	D137	8-719-404-46	DIODE MA110											Q117	8-				
C245	1-163-103-00	CERAMIC CHIP	33PF	5%	50V	C311	1-163-103-00	CERAMIC CHIP	33PF	5%	50V	D138	8-719-404-46	DIODE MA110											Q118	8-				
C246	1-163-103-00	CERAMIC CHIP	0.047MF	10%	25V	C312	1-163-103-00	CERAMIC CHIP	33PF	5%	50V	D139	8-719-404-46	DIODE MA110											Q119	8-				
C247	1-163-031-11	CERAMIC CHIP	0.047MF	10%	25V	C313	1-163-115-00	CERAMIC CHIP	82PF	5%	50V	D140	8-719-404-46	DIODE MA110											Q120	8-				
C248	1-163-031-11	CERAMIC CHIP	0.047MF	10%	25V	C314	1-163-115-00	CERAMIC CHIP	82PF	5%	50V	D141	8-719-404-46	DIODE MA110											Q121	8-				
C249	1-126-101-11	ELECT	100MF	20%	16V	C315	1-163-115-00	CERAMIC CHIP	10PF	5%	50V	D142	8-719-404-46	DIODE MA110											Q122	8-				
C250	1-163-017-11	CERAMIC CHIP	0.0047MF	10%	50V	C316	1-163-107-00	CERAMIC CHIP	39PF	5%	50V	D143	8-719-404-46	DIODE MA110											Q123	8-				
C251	1-110-364-11	NYLAR	0.1MF	10%	200V	C317	1-163-099-00	CERAMIC CHIP	18PF	5%	50V	D144	8-719-404-46	DIODE MA110											Q124	8-				
C252	1-124-046-00	ELECT	10MF	20%	16V	C318	1-163-109-00	CERAMIC CHIP	47PF	5%	50V	D145	8-719-404-46	DIODE MA110											Q125	8-				
C253	1-124-477-11	ELECT	47MF	20%	16V	C319	1-163-093-00	CERAMIC CHIP	10PF	5%	50V	D146	8-719-404-46	DIODE MA110											Q126	8-				
C254	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V	C320	1-163-109-00	CERAMIC CHIP	39PF	5%	50V	D147	8-719-404-46	DIODE MA110											Q127	8-				
C255	1-163-031-11	CERAMIC CHIP	0.01MF	50%	50V	C321	1-163-160-11	ELECT	1MF	20%	50V	D148	8-719-404-46	DIODE MA110											Q128	8-				
C256	1-163-129-00	CERAMIC CHIP	330PF	5%	50V	C322	1-163-160-11	ELECT	1MF	20%	50V	D149	8-719-404-46	DIODE MA110																

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R104	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R135	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R105	1-216-025-00	METAL GLAZE	100 5% 1/10W	R136	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R106	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R137	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R107	1-216-025-00	METAL GLAZE	100 5% 1/10W	R138	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R108	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R139	1-216-103-00	METAL GLAZE	180K 5% 1/10W
R109	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R140	1-216-107-00	METAL GLAZE	270K 5% 1/10W
R110	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R141	1-216-097-00	METAL GLAZE	10K 5% 1/10W
R111	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R142	1-216-103-00	METAL GLAZE	180K 5% 1/10W
R112	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R143	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R113	1-249-401-11	CARBON	47 5% 1/4W	R144	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R114	1-216-045-00	METAL GLAZES	680 5% 1/10W	R145	1-216-113-00	METAL GLAZE	47K 5% 1/10W
R115	1-216-061-00	METAL GLAZES	3.3K 5% 1/10W	R146	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R117	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R147	1-216-671-11	METAL CHIP	6.8K 0.50% 1/10W
R118	1-216-025-00	METAL GLAZE	100 5% 1/10W	R148	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R119	1-216-647-11	METAL CHIP	680 0.50% 1/10W	R149	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R120	1-216-647-11	METAL CHIP	680 0.50% 1/10W	R200	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R121	1-216-025-00	METAL GLAZE	100 5% 1/10W	R201	1-216-043-00	METAL GLAZE	560 5% 1/10W
R123	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R202	1-216-033-00	METAL GLAZE	220 5% 1/10W
R124	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R203	1-216-045-00	METAL GLAZE	680 5% 1/10W
R125	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R204	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R126	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R205	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R127	1-216-037-00	METAL GLAZE	330 5% 1/10W	R206	1-216-043-00	METAL GLAZE	560 5% 1/10W
R128	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R207	1-216-045-00	METAL GLAZE	680 5% 1/10W
R130	1-216-097-00	METAL GLAZE	100 5% 1/10W	R208	1-216-671-11	METAL CHIP	6.8K 0.50% 1/10W
R136	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R209	1-216-043-00	METAL GLAZE	560 5% 1/10W
R137	1-216-045-00	METAL GLAZE	680 5% 1/10W	R210	1-216-033-00	METAL GLAZE	220 5% 1/10W
R138	1-216-657-11	METAL CHIP	1.8K 0.50% 1/10W	R211	1-216-099-00	METAL GLAZE	120K 5% 1/10W
R139	1-216-079-00	METAL GLAZE	18K 5% 1/10W	R212	1-216-055-00	METAL GLAZE	4.7K 5% 1/10W
R140	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R213	1-216-043-00	METAL GLAZE	560 5% 1/10W
R141	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R214	1-216-043-00	METAL GLAZE	560 5% 1/10W
R142	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R215	1-216-127-11	METAL GLAZE	1.8W 5% 1/10W
R143	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R216	1-216-043-00	METAL GLAZE	560 5% 1/10W
R144	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R217	1-216-033-00	METAL GLAZE	220 5% 1/10W
R145	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R218	1-216-295-00	METAL GLAZE	0 5% 1/10W
R146	1-216-037-00	METAL GLAZE	330 5% 1/10W	R219	1-216-043-00	METAL GLAZE	560 5% 1/10W
R148	1-216-671-11	METAL CHIP	6.8K 0.50% 1/10W	R220	1-216-043-00	METAL GLAZE	560 5% 1/10W
R155	1-216-655-11	METAL CHIP	1.5K 0.50% 1/10W	R221	1-216-035-00	METAL GLAZE	270 5% 1/10W
R157	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	R222	1-216-033-00	METAL GLAZE	220 5% 1/10W
R158	1-216-677-11	METAL CHIP	12K 0.50% 1/10W	R223	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R160	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R224	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R161	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R225	1-216-095-00	METAL GLAZE	82K 5% 1/10W
R163	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R226	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R164	1-216-677-11	METAL CHIP	12K 0.50% 1/10W	R227	1-216-035-00	METAL GLAZE	270 5% 1/10W
R165	1-216-107-00	METAL GLAZE	270K 5% 1/10W	R228	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R166	1-216-681-11	METAL CHIP	18K 0.50% 1/10W	R229	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R167	1-216-635-11	METAL CHIP	220 0.50% 1/10W	R230	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R168	1-216-103-00	METAL GLAZE	180K 5% 1/10W	R231	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R169	1-216-033-00	METAL GLAZE	220 5% 1/10W	R232	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R170	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R233	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R171	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R234	1-216-041-00	METAL GLAZE	470 5% 1/10W
R172	1-216-043-00	METAL GLAZE	560 5% 1/10W	R235	1-216-041-00	METAL GLAZE	470 5% 1/10W
R173	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R236	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R174	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R237	1-216-025-00	METAL GLAZE	100 5% 1/10W
R175	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R238	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R176	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R239	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R177	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R240	1-216-033-00	METAL GLAZE	220 5% 1/10W
R178	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R241	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R179	1-216-281-00	METAL GLAZE	22K 5% 1/10W	R242	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R180	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	R243	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R181	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R244	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R182	1-216-683-11	METAL CHIP	22K 0.50% 1/10W	R245	1-216-073-00	METAL GLAZE	15K 0.50% 1/10W
R183	1-216-691-11	METAL CHIP	47K 0.50% 1/10W	R246	1-216-103-00	METAL GLAZE	180K 5% 1/10W
R184	1-216-699-11	METAL CHIP	100K 0.50% 1/10W	R247	1-216-093-00	METAL GLAZE	68K 5% 1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK		
R248	1-216-095-00	METAL GLAZE	82K 5%	1/10W	R319	1-216-099-00	METAL GLAZE	120K 5%	1/10W
R249	1-216-109-00	METAL GLAZE	330K 5%	1/10W	R320	1-216-099-00	METAL GLAZE	120K 5%	1/10W
R250	1-216-101-00	METAL GLAZE	150K 5%	1/10W	R321	1-216-043-00	METAL GLAZE	560 5%	1/10W
R251	1-216-105-00	METAL GLAZE	220K 5%	1/10W	R325	1-216-097-00	METAL GLAZE	100K 5%	1/10W
R252	1-216-101-00	METAL GLAZE	150K 5%	1/10W	R326	1-216-113-00	METAL GLAZE	470K 5%	1/10W
R253	1-216-101-00	METAL GLAZE	150K 5%	1/10W	R328	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R254	1-216-033-00	METAL GLAZE	220 5%	1/10W	R329	1-216-107-00	METAL GLAZE	270K 5%	1/10W
R255	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R330	1-216-105-00	METAL GLAZE	220K 5%	1/10W
R256	1-216-107-00	METAL GLAZE	270K 5%	1/10W	R331	1-216-025-00	METAL GLAZE	100 5%	1/10W
R258	1-216-041-00	METAL GLAZE	470 5%	1/10W	R332	1-216-097-00	METAL GLAZE	100K 5%	1/10W
R259	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R333	1-216-097-00	METAL GLAZE	100K 5%	1/10W
R260	1-216-025-00	METAL GLAZE	100 5%	1/10W	R339	1-216-099-00	METAL GLAZE	120K 5%	1/10W
R261	1-216-035-00	METAL GLAZE	270 5%	1/10W	R340	1-216-025-00	METAL GLAZE	100 5%	1/10W
R262	1-216-097-00	METAL GLAZE	100K 5%	1/10W	R342	1-216-047-00	METAL GLAZE	82K 5%	1/10W
R263	1-216-029-00	METAL GLAZE	150 5%	1/10W	R343	1-216-053-00	METAL GLAZE	1.5K 5%	1/10W
R264	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R344	1-216-664-11	METAL CHIP	3.6K 0.50%	1/10W
R265	1-216-067-00	METAL GLAZE	5.6K 5%	1/10W	R345	1-216-661-11	METAL CHIP	2.7K 0.50%	1/10W
R266	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R349	1-216-650-11	METAL CHIP	1.2K 0.50%	1/10W
R267	1-216-073-00	METAL GLAZE	10K 5%	1/10W	R350	1-216-653-11	METAL CHIP	1.2K 0.50%	1/10W
R268	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R351	1-216-650-11	METAL CHIP	1.2K 0.50%	1/10W
R269	1-216-103-00	METAL GLAZE	180K 5%	1/10W	R346	1-216-105-00	METAL GLAZE	220K 5%	1/10W
R270	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R348	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W
R271	1-216-025-00	METAL GLAZE	100 5%	1/10W	R349	1-216-650-11	METAL CHIP	910 0.50%	1/10W
R272	1-216-103-00	METAL GLAZE	180K 5%	1/10W	R350	1-216-653-11	METAL CHIP	1.2K 0.50%	1/10W
R273	1-216-113-00	METAL GLAZE	470K 5%	1/10W	R351	1-216-650-11	METAL CHIP	1.2K 0.50%	1/10W
R275	1-216-081-00	METAL GLAZE	22K 5%	1/10W	R352	1-216-653-11	METAL CHIP	1.2K 0.50%	1/10W
R276	1-216-037-00	METAL GLAZE	330 5%	1/10W	R353	1-216-650-11	METAL CHIP	910 0.50%	1/10W
R277	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R354	1-216-653-11	METAL CHIP	1.2K 0.50%	1/10W
R278	1-216-059-00	METAL GLAZE	2.7K 5%	1/10W	R355	1-216-113-00	METAL GLAZE	470K 5%	1/10W
R280	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R356	1-216-113-00	METAL GLAZE	470K 5%	1/10W
R281	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R357	1-216-095-00	METAL GLAZE	82K 5%	1/10W
R282	1-216-037-00	METAL GLAZE	330 5%	1/10W	R358	1-216-113-00	METAL GLAZE	470K 5%	1/10W
R283	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R359	1-216-081-00	METAL GLAZE	22K 5%	1/10W
R284	1-216-059-00	METAL GLAZE	2.7K 5%	1/10W	R360	1-216-089-00	METAL GLAZE	47K 5%	1/10W
R286	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R363	1-216-069-00	METAL GLAZE	6.8K 5%	1/10W
R287	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R364	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R288	1-216-037-00	METAL GLAZE	330 5%	1/10W	R365	1-216-073-00	METAL GLAZE	10K 5%	1/10W
R289	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R366	1-216-244-00	METAL GLAZE	82K 5%	1/8W
R290	1-216-059-00	METAL GLAZE	2.7K 5%	1/10W	R367	1-216-244-00	METAL GLAZE	82K 5%	1/8W
R292	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R368	1-216-055-00	METAL GLAZE	1.8K 5%	1/10W
R293	1-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R369	1-216-248-00	METAL GLAZE	120K 5%	1/8W
R295	1-216-057-00	METAL GLAZE	2.2K 5%	1/10W	R370	1-216-115-00	METAL GLAZE	560K 5%	1/10W
R296	1-216-659-11	METAL CHIP	2.2K 0.50%	1/10W	R371	1-216-067-00	METAL GLAZE	5.6K 5%	1/10W
R297	1-216-659-11	METAL CHIP	2.2K 0.50%	1/10W	R372	1-216-115-00	METAL GLAZE	560K 5%	1/10W
R298	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R374	1-216-115-00	METAL GLAZE	560K 5%	1/10W
R300	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R375	1-216-683-11	METAL CHIP	22K 0.50%	1/10W
R301	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R376	1-216-663-11	METAL CHIP	5.3K 0.50%	1/10W
R302	1-216-113-00	METAL GLAZE	470K 5%	1/10W	R378	1-216-025-00	METAL GLAZE	100 5%	1/10W
R303	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R379	1-216-641-11	METAL CHIP	390 0.50%	1/10W
R304	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R380	1-216-668-11	METAL CHIP	5.1K 0.50%	1/10W
R305	1-216-049-00	METAL GLAZE	1K 5%	1/10W	R381	1-216-089-00	METAL GLAZE	47K 5%	1/10W
R306	1-216-089-00	METAL GLAZE	47K 5%	1/10W	R382	1-216-025-00	METAL GLAZE	100 5%	1/10W
R307	1-216-033-00	METAL GLAZE	220 5%	1/10W	R383	1-216-641-11	METAL CHIP	390 0.50%	1/10W
R308	1-216-089-00	METAL GLAZE	47K 5%	1/10W	R384	1-216-668-11	METAL CHIP	5.1K 0.50%	1/10W
R309	1-216-089-00	METAL GLAZE	47K 5%	1/10W	R385	1-216-117-00	METAL GLAZE	680K 5%	1/10W
R310	1-216-033-00	METAL GLAZE	220 5%	1/10W	R386	1-216-025-00	METAL GLAZE	100 5%	1/10W
R311	1-216-089-00	METAL GLAZE	47K 5%	1/10W	R387	1-216-641-11	METAL CHIP	3.9K 0.50%	1/10W
R312	1-216-089-00	METAL GLAZE	47K 5%	1/10W	R388	1-216-668-11	METAL CHIP	5.1K 0.50%	1/10W
R313	1-216-033-00	METAL GLAZE	220 5%	1/10W	R389	1-216-083-00	METAL GLAZE	47K 5%	1/10W
R314	1-216-089-00	METAL GLAZE	47K 5%	1/10W	R390	1-216-105-00	METAL GLAZE	220K 5%	1/10W
R315	1-216-113-00	METAL GLAZE	470K 5%	1/10W	R391	1-216-081-00	METAL GLAZE	22K 5%	1/10W
R316	1-216-105-00	METAL GLAZE	220K 5%	1/10W	R392	1-216-113-00	METAL GLAZE	470K 5%	1/10W
R317	1-216-109-00	METAL GLAZE	330K 5%	1/10W					
R318	1-216-105-00	METAL GLAZE	220K 5%	1/10W					

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	
R1003	I-216-085-00	METAL GLAZE	33K 5%	1/10W	R1070	I-216-085-00	METAL GLAZE	33K 5% 1/10W
R1004	I-216-121-00	METAL GLAZE	1M 5%	1/10W	R1071	I-216-113-00	METAL GLAZE	470K 5% 1/10W
R1007	I-249-437-11	CARBON	47K 5%	1/4W P	R1072	I-216-099-00	METAL GLAZE	120K 5% 1/10W
R1008	I-249-434-11	CARBON	27K 5%	1/4W P	R1073	I-216-131-11	METAL GLAZE	2.7M 5% 1/10W
R1009	I-216-073-00	METAL GLAZE	10K 5%	1/10W	R1075	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1001	I-216-073-00	METAL GLAZE	10K 5%	1/10W	R1076	I-216-101-00	METAL GLAZE	150K 5% 1/10W
R1002	I-216-047-00	METAL GLAZE	820 5%	1/10W	R1077	I-216-103-00	METAL GLAZE	180K 5% 1/10W
R1003	I-216-055-00	METAL GLAZE	1.8K 5%	1/10W	R1078	I-216-085-00	METAL GLAZE	33K 5% 1/10W
R1004	I-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R1079	I-216-073-00	METAL GLAZE	10K 5% 1/10W
R1005	I-216-047-00	METAL GLAZE	820 5%	1/10W	R1080	I-216-097-00	METAL GLAZE	100K 5% 1/10W
R1006	I-216-055-00	METAL GLAZE	1.8K 5%	1/10W	R1081	I-216-097-00	METAL GLAZE	100K 5% 1/10W
R1007	I-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R1083	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1008	I-216-047-00	METAL GLAZE	820 5%	1/10W	R1084	I-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R1009	I-216-055-00	METAL GLAZE	1.8K 5%	1/10W	R1088	I-216-047-00	METAL GLAZE	820 5% 1/10W
R1010	I-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R1090	I-216-045-00	METAL GLAZE	680 5% 1/10W
R1011	I-216-033-00	METAL GLAZE	220 5%	1/10W	R1091	I-216-045-00	METAL GLAZE	680 5% 1/10W
R1012	I-216-051-00	METAL GLAZE	1.2K 5%	1/10W	R1092	I-216-045-00	METAL GLAZE	680 5% 1/10W
R1013	I-216-051-00	METAL GLAZE	1.2K 5%	1/10W	R1093	I-216-121-00	METAL GLAZE	1M 5% 1/10W
R1014	I-216-246-00	METAL GLAZE	100K 5%	1/8W	R1094	I-216-075-00	METAL GLAZE	12K 5% 1/10W
R1015	I-216-033-00	METAL GLAZE	220 5%	1/10W	R1095	I-216-075-00	METAL GLAZE	12K 5% 1/10W
R1016	I-216-089-00	METAL GLAZE	47K 5%	1/10W	R1096	I-216-075-00	METAL GLAZE	12K 5% 1/10W
R1017	I-216-045-00	METAL GLAZE	680 5%	1/10W	R1200	I-216-695-11	METAL CHIP	100K 0.50% 1/10W
R1018	I-216-043-00	METAL GLAZE	560 5%	1/10W	R1201	I-216-754-11	METAL CHIP	120K 0.50% 1/10W
R1019	I-216-033-00	METAL GLAZE	220 5%	1/10W	R1202	I-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R1020	I-216-089-00	METAL GLAZE	47K 5%	1/10W	R1203	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1021	I-216-045-00	METAL GLAZE	680 5%	1/10W	R1204	I-216-039-00	METAL GLAZE	2.7K 5% 1/10W
R1022	I-216-025-00	METAL GLAZE	100 5%	1/10W	R1221	I-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R1023	I-216-073-00	METAL GLAZE	10K 5%	1/10W	R1222	I-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R1024	I-216-025-00	METAL GLAZE	100 5%	1/10W	R1223	I-216-689-11	METAL GLAZE	39K 5% 1/10W
R1025	I-216-033-00	METAL GLAZE	220 5%	1/10W	R1225	I-215-876-00	METAL OXIDE	15K 5% 1W P
R1026	I-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R1226	I-215-876-00	METAL OXIDE	15K 5% 1W P
R1027	I-216-101-00	METAL GLAZE	150K 5%	1/10W	R1227	I-215-876-00	METAL OXIDE	15K 5% 1W P
R1028	I-216-033-00	METAL GLAZE	220 5%	1/10W	R1228	I-249-421-11	CARBON	2.2K 5% 1/4W P
R1029	I-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R1229	I-249-421-11	CARBON	2.2K 5% 1/4W P
R1031	I-216-033-00	METAL GLAZE	220 5%	1/10W	R1230	I-249-421-11	CARBON	2.2K 5% 1/4W P
R1032	I-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R1231	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1033	I-216-081-00	METAL GLAZE	22K 5%	1/10W	R1232	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1034	I-216-089-00	METAL GLAZE	47K 5%	1/10W	R1233	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1035	I-216-073-00	METAL GLAZE	10K 5%	1/10W	R1234	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1036	I-216-089-00	METAL GLAZE	47K 5%	1/10W	R1235	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1037	I-216-081-00	METAL GLAZE	22K 5%	1/10W	R1236	I-216-031-00	METAL GLAZE	180 5% 1/10W
R1040	I-216-025-00	METAL GLAZE	100 5%	1/10W	R1237	I-249-419-11	CARBON	1.5K 5% 1/4W P
R1041	I-216-047-00	METAL GLAZE	820 5%	1/10W	R1238	I-249-419-11	CARBON	1.5K 5% 1/4W P
R1042	I-216-057-00	METAL GLAZE	2.2K 5%	1/10W	R1239	I-249-419-11	CARBON	1.5K 5% 1/4W P
R1044	I-216-061-00	METAL GLAZE	3.3K 5%	1/10W	R1270	I-216-079-00	METAL GLAZE	18K 5% 1/10W
R1045	I-216-125-00	METAL GLAZE	1.5M 5%	1/10W	R1280	I-216-109-00	METAL GLAZE	330K 5% 1/10W
R1046	I-216-689-11	METAL CHIP	39K 0.50%	1/10W	R1290	I-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1047	I-216-065-00	METAL GLAZE	4.7K 5%	1/10W	R1291	I-216-081-00	METAL GLAZE	22K 5% 1/10W
R1048	I-216-065-00	METAL GLAZE	2.2K 5%	1/10W	R1292	I-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R1049	I-216-085-00	METAL GLAZE	33K 5%	1/10W	R1295	I-216-109-00	METAL GLAZE	330K 5% 1/10W
R1050	I-216-059-00	METAL GLAZE	2.7K 5%	1/10W	R1296	I-216-095-00	METAL GLAZE	62K 5% 1/10W
R1051	I-216-105-00	METAL GLAZE	220K 5%	1/10W	R1297	I-216-077-00	METAL GLAZE	15K 5% 1/10W
R1058	I-216-109-00	METAL GLAZE	330K 5%	1/10W	R1298	I-216-077-00	METAL GLAZE	15K 5% 1/10W
R1059	I-216-109-00	METAL GLAZE	330K 5%	1/10W	R1299	I-216-075-00	METAL GLAZE	12K 5% 1/10W
R1060	I-216-109-00	METAL GLAZE	330K 5%	1/10W	R1300	I-216-089-00	METAL GLAZE	47K 5% 1/10W
R1061	I-216-109-00	METAL GLAZE	330K 5%	1/10W	R1301	I-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1062	I-216-103-00	METAL GLAZE	180K 5%	1/10W	R1302	I-216-113-00	METAL GLAZE	470K 5% 1/10W
R1063	I-216-103-00	METAL GLAZE	180K 5%	1/10W	R1303	I-216-113-00	METAL GLAZE	470K 5% 1/10W
R1064	I-216-103-00	METAL GLAZE	180K 5%	1/10W	R1304	I-216-093-00	METAL GLAZE	68K 5% 1/10W
R1065	I-216-103-00	METAL GLAZE	180K 5%	1/10W	R1305	I-216-686-11	METAL CHIP	30K 0.50% 1/10W
R1066	I-216-073-00	METAL GLAZE	10K 5%	1/10W	R1306	I-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R1067	I-216-073-00	METAL GLAZE	10K 5%	1/10W	R1307	I-216-041-00	METAL GLAZE	470 5% 1/10W
R1068	I-216-049-00	METAL GLAZE	1K 5%	1/10W	R1308	I-216-041-00	METAL GLAZE	470 5% 1/10W
R1069	I-216-133-00	METAL GLAZE	3.3K 5%	1/10W				

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
R1309	I-216-063-00	METAL GLAZE	3.9K 5%	1/10W	RV114	I-238-019-11	RES. ADJ. CARBON 47K	
R1310	I-216-119-00	METAL GLAZE	820K 5%	1/10W	RV115	I-241-631-11	RES. ADJ. CARBON 22K	
R1313	I-216-101-00	METAL GLAZE	150K 5%	1/10W	RV116	I-241-631-11	RES. ADJ. CARBON 22K	
R1314	I-216-053-00	METAL GLAZE	1.5K 5%	1/10W	RV118	I-241-631-11	RES. ADJ. CARBON 22K	
R1315	I-216-077-00	METAL GLAZE	15K 5%	1/10W	RV119	I-241-631-11	RES. ADJ. CARBON 22K	
R1320	I-216-083-00	METAL GLAZE	27K 5%	1/10W	RV120	I-241-631-11	RES. ADJ. CARBON 22K	
R1321	I-216-093-00	METAL GLAZE	68K 5%	1/10W	RV121	I-241-631-11	RES. ADJ. CARBON 22K	
R1322	I-216-037-00	METAL GLAZE	330 5%	1/10W	RV122	I-241-631-11	RES. ADJ. CARBON 22K	
R1323	I-216-057-00	METAL GLAZE	2.3K 5%	1/10W	RV123	I-241-628-11	RES. ADJ. CARBON 22K	
R1324	I-216-121-00	METAL GLAZE	1M 5%	1/10W	RV124	I-241-627-11	RES. ADJ. CARBON 1K	
R1325	I-216-085-00	METAL GLAZE	33K 5%	1/10W	RV125	I-241-627-11	RES. ADJ. CARBON 1K	
R1326	I-216-065-00	METAL GLAZE	4.7K 5%	1/10W	RV205	I-241-631-11	RES. ADJ. CARBON 22K	
R1327	I-216-099-00	METAL GLAZE	120K 5%	1/10W			<MODULE>	
R1328	I-216-099-00	METAL GLAZE	120K 5%	1/10W			<CRYSTAL>	
R1329	I-216-093-00	METAL GLAZE	68K 5%	1/10W			X101	I-527-722-00 OSCILLATOR, CRYSTAL
R1330	I-216-063-00	METAL GLAZE	3.9K 5%	1/10W			X102	I-577-259-11 VIBRATOR, CRYSTAL
R1331	I-216-051-00	METAL GLAZE	1.2K 5%	1/10W				*****
R1332	I-216-057-00	METAL GLAZE	2.2K 5%	1/10W				*****
R1333	I-216-057-00	METAL GLAZE	2.2K 5%	1/10W				*****
R1334	I-216-055-00	METAL GLAZE	1.8K 5%	1/10W				*****
R1335	I-216-035-00	METAL GLAZE	270 5%	1/10W				*A-1346-067-A D BOARD, COMPLETE
R1336	I-216-089-00	METAL GLAZE	47K 5%	1/10W				
R1337	I-216-113-00	METAL GLAZE	470K 5%	1/10W				
R1338	I-216-049-00	METAL GLAZE	1K 5%	1/10W				
R1339	I-216-097-00	METAL GLAZE	100K 5%	1/10W				
R1340	I-216-097-00	METAL GLAZE	100K 5%	1/10W				
R1341	I-216-111-00	METAL GLAZE	390K 5%	1/10W				*3-738-015-01 COVER, (DIA. 6) CARBON VR
R1342	I-216-694-11	METAL CHIP	62K 0.50K	1/10W				4-382-854-01 SCREW (M3X8), P. SW (+)
R1343	I-216-121-00	METAL GLAZE	1M 5%	1/10W				
R1344	I-216-073-00	METAL GLAZE	10K 5%	1/10W				
R1345	I-216-055-00	METAL GLAZE	1.8K 5%	1/10W				<CAPACITOR>
R1346	I-216-047-00	METAL GLAZE	820 5%	1/10W	C501	I-124-477-11	ELECT. 47MF	20% 16V
R1347	I-216-073-00	METAL GLAZE	10K 5%	1/10W	C502	I-124-907-11	ELECT. 10MF	20% 50V
R1348	I-216-073-00	METAL GLAZE	10K 5%	1/10W	C503	I-126-103-11	ELECT. 470MF	20% 16V
R1349	I-216-073-00	METAL GLAZE	10K 5%	1/10W	C504	I-124-902-00	ELECT. 0.47MF	20% 50V
R1350	I-216-073-00	METAL GLAZE	10K 5%	1/10W	C505	I-106-382-11	MLYLAR 0.039MF	10% 100V
R1351	I-216-073-00	METAL GLAZE	10K 5%	1/10W	C506	I-124-923-11	ELECT. 1MF	20% 50V
R1352	I-216-073-00	METAL GLAZE	10K 5%	1/10W	C507	I-106-367-00	MLYLAR 0.01MF	10% 100V
R1353	I-216-118-00	METAL GLAZE	560K 5%	1/10W	C508	I-124-903-11	ELECT. 1MF	20% 50V
R1371	I-216-057-00	METAL GLAZE	2.2K 5%	1/10W	C509	I-136-173-00	FILM 0.47MF	5% 80V
R1372	I-216-057-00	METAL GLAZE	2.2K 5%	1/10W	C510	I-136-161-00	FILM 0.047MF	5% 50V
R1373	I-216-057-00	METAL GLAZE	2.2K 5%	1/10W				
R1380	I-216-073-00	METAL GLAZE	10K 5%	1/10W	C511	I-124-923-11	ELECT. 1MF	20% 50V
R1381	I-216-073-00	METAL GLAZE	10K 5%	1/10W	C512	I-106-375-12	MLYLAR 0.022MF	10% 100V
R1382	I-216-093-00	METAL GLAZE	68K 5%	1/10W	C513	I-106-375-12	MLYLAR 0.022MF	10% 100V
R1383	I-216-091-00	METAL GLAZE	56K 5%	1/10W	C514	I-106-371-00	MLYLAR 0.015MF	10% 100V
R1392	I-216-089-00	METAL GLAZE	47K 5%	1/10W	C515	I-124-927-11	ELECT. 2.2MF	20% 50V
R1393	I-216-109-00	METAL GLAZE	350K 5%	1/10W	C516	I-124-925-11	ELECT. 2.2MF	20% 50V
				C517	I-130-480-00	FILM 0.0056MF	5% 50V	
				C518	I-163-245-11	CERAMIC CHIP 565P	5% 50V	
				C519	I-124-927-11	ELECT. 4.7MF	20% 50V	
				C520	I-163-129-00	CERAMIC CHIP 530PF	5% 50V	
				C521	I-124-907-11	ELECT. 10MF	20% 50V	
				C523	I-106-363-00	MLYLAR 0.0068MF	10% 100V	
				C524	I-102-116-00	CERAMIC 680PP	10% 50V	
				C525	I-102-820-00	CERAMIC 330PF	5% 50V	
				C526	I-102-973-00	CERAMIC 100PF	5% 50V	
				C527	I-124-514-11	ELECT. 100MF	20% 50V	
				C528	I-102-125-00	CERAMIC 0.0047MF	10% 50V	
				C529	I-124-513-11	ELECT. 47MF	20% 50V	
				C530	I-163-097-11	CERAMIC CHIP 15PF	5% 50V	
				C531	I-131-370-00	TANTALUM 6.8MF	10% 16V	
				C532	I-124-557-11	ELECT. 1000MF	20% 25V	
				C533	I-124-927-11	ELECT. 4.7MF	20% 50V	
				C534	I-124-768-11	ELECT. 4.7MF	20% 50V	

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The components identified by shading and mark **A** are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C535	I-136-161-00	FILM	0.047MF	5%	50V		
C536	I-124-927-11	ELECT	4.7MF	20%	50V		<CONNECTOR>
C537	I-124-510-11	ELECT	220MF	20%	35V		
C538	I-124-910-11	ELECT	47MF	20%	50V		
C539	I-136-828-11	FILM	1.8MF	5%	200V		
C540	I-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	CN501 *I-564-506-11	PLUG, CONNECTOR 3P
C541	I-163-035-00	CERAMIC CHIP	0.047MF	50V		CN502 *I-564-477-11	PIN, CONNECTOR 12P
C542	I-126-103-11	ELECT	470MF	20%	16V	CN504 *I-564-507-11	PLUG, CONNECTOR 4P
C545	I-126-101-11	ELECT	100MF	20%	16V	CN505 *I-564-509-11	PLUG, CONNECTOR 6P
C546	I-124-967-11	ELECT	10MF	20%	50V	CN507 *I-564-507-11	PLUG, CONNECTOR 4P
C547	I-124-907-11	ELECT	10MF	20%	50V	CN508 *I-564-104-00	PIN, CONNECTOR (B3P-VH) 3P
C548	I-124-907-11	ELECT	10MF	20%	50V	CN509 *I-564-506-11	PLUG, CONNECTOR 3P
C549	I-124-907-11	ELECT	10MF	20%	50V		
C550	I-124-907-11	ELECT	10MF	20%	50V		
C551	I-124-927-11	ELECT	4.7MF	20%	50V	D501 8-719-404-46	DIODE MA110
C552	I-101-004-00	CERAMIC	0.01MF	50V		D502 8-719-404-46	DIODE MA110
C553	I-126-103-11	ELECT	470MF	20%	16V	D503 8-719-404-46	DIODE MA110
C563	I-106-383-00	MYLAR	0.047MF	10%	100V	D504 8-719-404-46	DIODE MA110
C564	I-163-009-01	CERAMIC CHIP	0.001MF	10%	50V	D506 8-719-908-03	DIODE GPOSD
C567	I-123-875-11	ELECT	10MF	20%	50V	D507 8-719-404-46	DIODE MA110
C568	I-130-736-11	FILM	0.01MF	5%	50V	D508 8-719-404-46	DIODE MA110
C569	I-130-471-00	FILM	0.001MF	5%	50V	D511 8-719-404-46	DIODE MA110
C570	I-126-117-00	CERAMIC CHIP	100PF	5%	50V	D512 8-719-404-46	DIODE MA110
C571	I-124-913-11	ELECT	470MF	20%	50V	D520 8-719-800-76	DIODE ISS226
C572	I-101-004-00	CERAMIC	0.01MF	50V		D521 8-719-800-76	DIODE ISS226
C574	I-106-351-00	MYLAR	0.0022MF	10%	100V	D589 8-719-800-76	DIODE ISS226
C575	I-106-351-00	MYLAR	0.0022MF	10%	100V	D591 8-719-404-46	DIODE MA110
C581	I-123-875-11	ELECT	10MF	20%	50V	D592 8-719-404-46	DIODE MA110
C582	I-123-875-11	ELECT	10MF	20%	50V	D833 8-719-404-46	DIODE MA110
C583	I-163-009-01	CERAMIC CHIP	0.001MF	10%	50V	D834 8-719-404-46	DIODE MA110
C584	I-163-009-01	CERAMIC CHIP	0.001MF	10%	50V	D835 8-719-109-89	DIODE R05.6ES-B2
C586	I-163-121-00	CERAMIC CHIP	150PF	5%	50V	D836 8-719-977-69	DIODE DT224B
C585	I-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V		
C586	I-123-875-11	ELECT	10MF	20%	50V	D848 8-719-800-76	DIODE ISS226
C587	I-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V	D1601 8-719-105-X6	DIODE R06.2M-B1
C588	I-163-163-00	FILM	0.068MF	5%	50V	D1603 8-719-977-61	DIODE DT220B
C593	I-102-122-00	CERAMIC	0.0027MF	10%	50V	D1606 8-719-981-00	DIODE ERK81-004
C5940	I-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V	D1607 8-719-981-00	DIODE ERK81-004
C5941	I-163-209-00	CERAMIC CHIP	0.0015MF	5%	50V	D1608 8-719-977-02	DIODE DT25.6A
C5943	I-124-042-51	ELECT	0.47MF	20%	50V	D1609 8-719-977-49	DIODE DT215B
C5944	I-124-902-00	ELECT	0.47MF	20%	50V	D1610 8-719-404-46	DIODE MA110
C595	I-124-126-00	ELECT	47MF	20%	10V	D1611 8-729-101-31	TRANSISTOR N131
C596	I-124-907-11	ELECT	10MF	20%	50V	D1612 8-719-404-46	DIODE MA110
C597	I-126-232-11	ELECT	22MF	20%	50V	D1613 8-719-404-46	DIODE MA110
C598	I-131-351-00	TANTALUM	4.7MF	10%	35V	D1617 8-719-977-49	DIODE DT215B
C599	I-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V	D1618 8-719-977-49	DIODE DT215B
C6001	I-124-907-11	ELECT	10MF	20%	50V	D1620 8-719-400-18	DIODE MA152W
C6002	I-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	D1622 8-719-400-18	DIODE MA152W
C6003	I-04-348-11	ELECT	15MF	20%	50V	D1623 8-719-400-18	DIODE MA152W
C6004	I-128-500-51	ELECT	1000MF	20%	50V	D1626 8-719-404-46	DIODE MA110
C6005	I-124-922-11	ELECT	1000MF	20%	50V	D1627 8-719-404-46	DIODE MA110
C6006	I-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	D1628 8-719-404-46	DIODE MA110
C6007	I-124-907-11	ELECT	10MF	20%	50V	D1635 8-719-404-46	DIODE MA110
C6008	I-124-916-11	ELECT	22MF	20%	50V	D1639 8-719-404-46	DIODE MA110
C6009	I-163-009-11	CERAMIC CHIP	0.001MF	10%	50V		
C6100	I-126-163-11	ELECT	4.7MF	20%	50V		
C6111	I-124-482-11	ELECT	33MF	20%	35V		<FUSE>
C6112	I-136-257-00	FILM	0.0039MF	5%	50V		P1601A-1-533-377-21 FUSE, MICRO (SECONDARY) 1/125A/125V
C6113	I-163-009-11	CERAMIC CHIP	0.001MF	10%	50V		1-533-189-11 HOLDER, FUSE; P1601
C6114	I-164-232-11	CERAMIC CHIP	0.01MF	10%	50V		
C6115	I-124-042-51	ELECT	0.47MF	20%	50V		
C6120	I-163-133-00	CERAMIC CHIP	470PF	5%	50V		<IC>
C6121	I-163-117-00	CERAMIC CHIP	100PF	5%	50V		
C6141	I-163-035-00	CERAMIC CHIP	0.047MF	50V			

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
[C501	8-759-909-70	IC CX23025		Q1617	8-729-216-22	TRANSISTOR 2SA1162-G	
[C502	8-759-100-60	IC MPC1377C		Q1617	8-729-216-22	TRANSISTOR 2SA1162-G	
[C503	8-759-801-98	IC LA7830		Q1618	8-729-216-22	TRANSISTOR 2SA1162-G	
[C504	8-759-701-79	IC MC7812CT					
[C505	8-759-009-51	IC MC14538BF					
[C531	8-759-509-29	IC XRU4011BF					
[C532	8-759-509-37	IC XRU4070BF					
[C533	8-759-009-51	IC MC14538BF					
[C1601	8-759-509-91	IC XRA10393F					
<JUMPER RESISTOR>							
JR510	1-216-295-00	METAL GLAZE	0 5%	1/10W			
<COIL>							
L501	1-410-093-11	INDUCTOR	33MH				
L502	1-410-665-31	INDUCTOR	15uH				
L503	1-424-625-11	COIL, CHOKE (PMC)	350uH				
L506	1-412-530-31	INDUCTOR	27uH				
L1601	1-459-155-00	COIL (WITH CORE)	47uH				
L1602	1-402-785-11	COIL, CHOKE	600uH				
L1603	1-410-397-21	PERBITE BEAD	INDUCTOR				
<TRANSISTOR>							
Q501	8-729-901-01	TRANSISTOR DTC144EK					
Q502	8-729-901-01	TRANSISTOR DTC144EK					
Q503	8-729-901-06	TRANSISTOR DTA144EK					
Q504	8-729-901-01	TRANSISTOR DTC144EK					
Q505	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q508	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q509	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q510	8-729-901-06	TRANSISTOR DTA144EK					
Q512	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q513	8-729-216-22	TRANSISTOR 2SA1162-G					
Q515	8-729-313-42	TRANSISTOR 2SD1134-C					
Q518	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q519	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q532	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q569	8-729-907-26	TRANSISTOR IMX1					
Q576	8-729-920-48	TRANSISTOR IMH2					
Q579	8-729-920-48	TRANSISTOR IMH2					
Q589	8-729-216-22	TRANSISTOR 2SA1162-G					
Q599	8-729-920-48	TRANSISTOR IMH2					
Q833	8-729-216-22	TRANSISTOR 2SA1162-G					
Q834	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q835	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q836	8-729-255-12	TRANSISTOR 2SC2551-0					
Q1601	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1602	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1603	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1604	8-729-216-22	TRANSISTOR 2SA1162-G					
Q1605	8-729-119-80	TRANSISTOR 2SC2688-L					
Q1606	8-729-133-42	TRANSISTOR 2SC2334-L					
Q1607	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1608	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1609	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1610	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1611	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1612	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1608	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1614	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1615	8-729-216-22	TRANSISTOR 2SA1162-G					
<RESISTOR>							
R501	1-216-089-00	METAL GLAZE	47K	5%	1/10W		
R502	1-216-089-00	METAL GLAZE	47K	5%	1/10W		
R503	1-249-437-11	CARBON	47K	5%	1/4W F		
R504	1-216-073-00	METAL GLAZE	10K	5%	1/10W		
R505	1-249-393-11	CARBON	10	5%	1/4W F		
R506	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W		
R507	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W		
R508	1-216-085-00	METAL GLAZE	33K	5%	1/10W		
R509	1-216-687-11	METAL CHIP	33K	0.50%	1/10W		
R510	1-216-683-11	METAL CHIP	22K	0.50%	1/10W		
R511	1-216-675-11	METAL CHIP	10K	0.50%	1/10W		
R512	1-216-761-11	METAL CHIP	240K	0.50%	1/10W		
R513	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W		
R514	1-216-754-11	METAL CHIP	120K	0.50%	1/10W		
R515	1-216-081-00	METAL GLAZE	22K	5%	1/10W		
R516	1-216-073-00	METAL GLAZE	10K	5%	1/10W		
R517	1-218-768-11	METAL CHIP	470K	0.50%	1/10W		
R518	1-249-422-11	CARBON	2.7K	5%	1/4W F		
R519	1-216-085-00	METAL GLAZE	33K	5%	1/10W		
R520	1-216-677-11	METAL CHIP	12K	0.50%	1/10W		
R521	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W		
R522	1-216-107-00	METAL GLAZE	270K	5%	1/10W		
R523	1-216-081-00	METAL GLAZE	22K	5%	1/10W		
R524	1-216-049-00	METAL GLAZE	1K	5%	1/10W		
R525	1-216-434-11	METAL OXIDE	1.8K	5%	1W	F	
R526	1-216-079-00	METAL GLAZE	18K	5%	1/10W		
R527	1-249-437-11	CARBON	47K	5%	1/4W F		
R528	1-216-073-00	METAL GLAZE	10K	5%	1/10W		
R529	1-216-073-00	METAL GLAZE	10K	5%	1/10W		
R530	1-216-089-00	METAL GLAZE	47K	5%	1/10W		
R531	1-216-089-00	METAL GLAZE	47K	5%	1/10W		
R532	1-216-057-00	METAL GLAZE	100K	5%	1/10W		
R533	1-216-089-00	METAL GLAZE	47K	5%	1/10W		
R534	1-216-097-00	METAL GLAZE	160K	5%	1/10W		
R535	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W		
R536	1-212-881-11	FUSIBLE	100	5%	1/4W	F	
R537	1-215-867-00	METAL OXIDE	47K	5%	1W		
R538	1-216-095-00	METAL GLAZE	82K	5%	1/10W		
R539	1-216-095-00	METAL GLAZE	82K	5%	1/10W		
R540	1-216-101-00	METAL GLAZE	150K	5%	1/10W		
R541	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W		
R542	1-216-075-00	METAL GLAZE	12K	5%	1/10W		
R543	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W		
R544	1-216-101-00	METAL GLAZE	150K	5%	1/10W		
R545	1-216-041-00	METAL GLAZE	470	5%	1/10W		
R546	1-216-091-00	METAL GLAZE	56K	5%	1/10W		
R547	1-216-121-00	METAL GLAZE	1K	5%	1/10W		
R548	1-216-107-00	METAL GLAZE	270K	5%	1/10W		
R549	1-216-101-00	METAL GLAZE	150K	5%	1/10W		
R550	1-216-354-11	METAL OXIDE	2.7	5%	1W		
R552	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W		
R553	1-216-091-00	METAL GLAZE	56K	5%	1/10W		
R554	1-216-073-00	METAL GLAZE	10K	5%	1/10W		
R555	1-216-077-00	METAL GLAZE	15K	5%	1/10W		
R557	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W		
R558	1-216-049-00	METAL GLAZE	1K	5%	1/10W		
R559	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W		

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R560	1-216-037-00	METAL GLAZE	330 5% 1/10W	R1519	1-216-031-00	METAL GLAZE	180 5% 1/10W
R561	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1520	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R562	1-216-037-00	METAL GLAZE	2.2K 5% 1/10W	R1601	1-216-685-11	METAL CHIP	27K 0.50% 1/10W
R563	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1602	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R564	1-249-410-11	CARBON	270 5% 1/4W F	R1603	1-216-671-11	METAL CHIP	6.8K 0.50% 1/10W
R565	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R1604	1-249-433-11	CARBON	23K 5% 1/4W F
R566	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1605	1-216-070-00	METAL GLAZE	7.5K 5% 1/10W
R567	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R1606	1-216-070-00	METAL GLAZE	7.5K 5% 1/10W
R568	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1607	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R569	1-216-083-00	METAL GLAZE	3.9K 5% 1/10W	R1608	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R570	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R1609	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R571	1-216-089-00	METAL GLAZE	47K 5% 1/10W	R1610	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R572	1-216-093-00	METAL GLAZE	82K 5% 1/10W	R1611	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R573	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1612	1-215-913-11	METAL OXIDE	220 5% 3W F
R574	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1613	1-216-025-00	METAL GLAZE	100 5% 1/10W
R575	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1614	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R576	1-216-129-09	METAL GLAZE	330K 5% 1/10W	R1615	1-216-657-11	METAL CHIP	1.8K 0.50% 1/10W
R577	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1616	1-216-629-11	METAL CHIP	120 0.50% 1/10W
R578	1-249-457-11	CARBON	6.8 5% 1/4W F	R1617	1-216-659-11	METAL CHIP	2.2K 0.50% 1/10W
R579	1-249-457-11	CARBON	6.8 5% 1/4W F	R1618	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R580	1-215-001-00	METAL GLAZE	10 5% 1/10W	R1620	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R590	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1621	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R591	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1622	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R592	1-215-033-00	METAL GLAZE	220 5% 1/10W	R1623	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R593	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1624	1-216-246-00	METAL GLAZE	100K 5% 1/8W
R594	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R1625	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R595	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1626	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R596	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R1627	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R597	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1628	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R598	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1629	1-216-683-11	METAL CHIP	22K 0.50% 1/10W
R599	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R1630	1-216-683-11	METAL CHIP	22K 0.50% 1/10W
R600	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1631	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R601	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1632	1-216-042-00	METAL GLAZE	510 5% 1/10W
R602	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1633	1-216-109-00	METAL GLAZE	330K 5% 1/10W
R603	1-216-033-00	METAL GLAZE	68K 5% 1/10W	R1634	1-216-099-00	METAL GLAZE	120K 5% 1/10W
R604	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1635	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R605	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R1636	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R606	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1640	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R607	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1641	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R608	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1642	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R609	1-216-035-00	METAL GLAZE	33K 5% 1/10W	R1643	1-216-069-00	METAL GLAZE	100K 5% 1/10W
R610	1-216-669-11	METAL CHIP	5.6K 0.50% 1/10W	R1644	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R611	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	R1645	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R612	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1646	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R613	1-216-754-11	METAL CHIP	120K 0.50% 1/10W	R1647	1-216-685-11	METAL CHIP	27K 0.50% 1/10W
R614	1-216-697-11	METAL CHIP	82K 0.50% 1/10W	R1648	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R615	1-216-755-11	METAL CHIP	130K 0.50% 1/10W	R1649	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R616	1-216-686-11	METAL CHIP	30K 0.50% 1/10W	R1650	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R617	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1651	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R618	1-216-436-00	METAL OXIDE	3.9K 5% 1W F	R1652	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R619	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	R1653	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R620	1-216-672-11	METAL CHIP	7.5K 0.50% 1/10W	R1654	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R621	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	R1655	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R622	1-216-435-11	CARBON	33K 5% 1/4W F	R1656	1-216-643-11	METAL CHIP	470 0.50% 1/10W
R623	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1657	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R624	1-216-689-11	METAL CHIP	39K 0.50% 1/10W	R1658	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R625	1-216-089-00	METAL GLAZE	4.7K 5% 1/4W F	R1659	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R626	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	R1660	1-216-649-11	METAL CHIP	820 0.50% 1/10W
R627	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1661	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R628	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R629	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
R630	1-216-425-11	CARBON	4.7K 5% 1/4W F				
R631	1-216-033-00	METAL GLAZE	220 5% 1/10W				
R632	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R633	1-216-017-00	METAL GLAZE	47 5% 1/10W				

<VARIABLE RESISTOR>

R501 1-238-019-11 RES. ADJ. CARBON 47K

D S

- The components identified by **D** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque **D** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **S** are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
RV502	1-241-631-11	RES. ADJ. CARBON 22K						
RV503	1-241-763-11	RES. ADJ. CERMET 4.7K						
RV504	1-224-250-XK	RES. ADJ. METAL GLAZE 2.2K						
RV505	1-238-019-11	RES. ADJ. CARBON 220						
RV506	1-241-627-11	RES. ADJ. CARBON 1K						
RV507	1-241-628-11	RES. ADJ. CARBON 2.2K						
RV508	1-241-627-11	RES. ADJ. CARBON 1K						
RV509	1-238-020-11	RES. ADJ. CARBON 100K						
RV510	1-241-629-11	RES. ADJ. CARBON 4.7K						
RV512	1-241-629-11	RES. ADJ. CARBON 4.7K						
RV514	1-238-019-11	RES. ADJ. CARBON 47K						
RV515	1-238-021-11	RES. ADJ. CARBON 220K						
RV516	1-241-763-11	RES. ADJ. CERMET 4.7K						
RV831	1-228-997-00	RES. ADJ. METAL GLAZE 100K						
RV832	1-241-764-11	RES. ADJ. CERMET 10K						
RV833 1-228-997-00 RES. ADJ. METAL GLAZE 100K								
RV1601	1-241-762-11	RES. ADJ. CERMET 2.2K						
RV1602	1-241-627-11	RES. ADJ. CARBON 1K						
RV1603A 1-228-997-00 RES. ADJ. METAL GLAZE 147K								
<RELAY>								
RY1601	I-515-481-21	RELAY (G2R-212P-V)						
<TRANSFORMER>								
T1601	I-437-216-11	TRANSFORMER, DRIVE						
<THERMISTOR>								
TH501	I-807-971-11	THERMISTOR						

A-1394-392-A S BOARD, COMPLETE								
<CAPACITOR>								
C1101	1-163-119-00	CERAMIC CHIP 120PF	5% 50V		R1101	1-216-053-00	METAL GLAZE 1.5K 5%	1/10K
C1102	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		R1102	1-216-067-00	METAL GLAZE 5.6K 5%	1/10K
C1103	I-124-589-II	ELECT. 47MF	20% 16V		R1103	1-216-059-00	METAL GLAZE 2.7K 5%	1/10K
C1104	1-163-031-11	CERAMIC CHIP 0.01MF	50V		R1104	1-216-011-00	INDUCTOR 10K 5%	1/10K
C1105	I-163-114-00	CERAMIC CHIP 75PF	5% 50V		R1105	1-412-008-31	INDUCTOR CHIP 15UH	
C1106	1-163-101-00	CERAMIC CHIP 22PF	5% 50V					
C1107	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V					
C1108	I-163-119-00	CERAMIC CHIP 120PF	5% 50V					
C1109	I-163-031-11	CERAMIC CHIP 0.01MF	50V					
C1110	I-163-117-00	CERAMIC CHIP 100PF	5% 50V					
C1111	I-163-018-00	CERAMIC CHIP 0.0056MF	10% 50V					
C1112	I-126-160-II	ELECT. 1MF	20% 50V					
C1113	I-163-119-00	CERAMIC CHIP 120PF	5% 50V					
C1114	I-163-103-00	CERAMIC CHIP 27PF	5% 50V					
C1115	I-164-004-11	CERAMIC CHIP 0.1MF	10% 25V					
C1116	I-163-114-00	CERAMIC CHIP 75PF	5% 50V		R1116	1-216-069-00	METAL GLAZE 4.7K 5%	1/10K
C1117	I-124-589-II	ELECT. 47MF	20% 16V		R1117	1-216-061-00	METAL GLAZE 2.7K 5%	1/10K
C1118	I-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		R1118	1-216-073-60	METAL GLAZE 6.8K 5%	1/10K
C1119	I-163-020-00	CERAMIC CHIP 0.0082MF	10% 50V		R1119	1-216-049-00	METAL GLAZE 1K 5%	1/10K
C1120	I-163-097-00	CERAMIC CHIP 15PF	5% 50V		R1120	1-216-097-00	METAL GLAZE 100K 5%	1/10K
C1121	I-163-097-00	CERAMIC CHIP 15PF	5% 50V		R1121	1-216-121-00	METAL GLAZE 1W 5%	1/10K
C1122	I-163-222-11	CERAMIC CHIP 50F	0.25PF 50V		R1122	1-216-039-00	METAL GLAZE 390 5%	1/10K
C1123	I-163-097-00	CERAMIC CHIP 15PF	5% 50V		R1123	1-216-065-00	METAL GLAZE 4.7K 5%	1/10K
C1124	I-163-097-00	CERAMIC CHIP 15PF	5% 50V		R1124	1-216-029-00	METAL GLAZE 150 5%	1/10K
C1125	I-163-097-00	CERAMIC CHIP 15PF	5% 50V		R1125	1-216-029-00	METAL GLAZE 150 5%	1/10K
C1126	I-163-097-00	CERAMIC CHIP 15PF	1.5K 5%		R1126	1-216-053-00	METAL GLAZE 1.5K 5%	1/10K
C1127	I-163-097-00	CERAMIC CHIP 15PF	560 5%		R1127	1-216-043-00	METAL GLAZE 560 5%	1/10K
C1128	I-163-097-00	CERAMIC CHIP 15PF	1W 5%		R1128	1-216-049-00	METAL GLAZE 1W 5%	1/10K