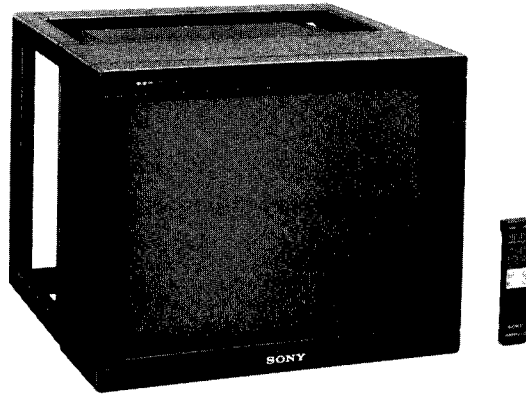


PVM-2130QM

RM-668

SERVICE MANUAL



AEP Model

Chassis No. SCC-A99A-A

Australian Model

Chassis No. SCC-B22A-A

West Germany Model

Chassis No. SCC-B19A-A

SPECIFICATIONS

Note: The service manuals for RM-668 have been issued separately.

Color system	PAL, SECAM, NTSC and NTSC _{4,43} systems, switched automatically	LINE A/B outputs (loop-through outputs)	VIDEO: BNC connector
Picture tube	Trinitron tube Approx. 54.5 cm (21 inches) (50.6 cm picture measured diagonally) 100-degree deflection, AG pitch 0.55 mm	Monitor outputs	VIDEO: BNC connector Composite video, 1 Vp-p
Resolution	Video input: 420 TV lines RGB inputs: 640 × 200 dots (2000 characters)	AUDIO: Phono jack Less than 1 kilohm	Digital RGB inputs RGB: D-sub 9-pin connector (See "Signal assignment".)
Color temperature	9300°K	AUDIO: Phono jack -5 dBs, more than 47 kilohms	AV connector
Frequency response	10 MHz (-3 dB, RGB) 5 MHz (-3 dB, composite video)	21-pin connector (See "Signal assignment".)	Speaker terminals 8 ohms
Horizontal linearity	Less than ±7%	Control S input/output	Minijack, 5 Vp-p
Vertical linearity	Less than ±8%	Power output	7 W + 7 W at 8 ohms
Line pull range	Horizontal: +500 Hz Vertical: -8 Hz	Power requirements	220 - 240 V AC, 50/60 Hz
Overscan of the picture	Less than +7%	Power consumption	140 W
Convergence	Central area: within 1.0 mm Periphery: within 1.8 mm	Dimensions	Approx. 516 × 409 × 482 mm (w/h/d) incl. projecting parts and controls
LINE A/B, VTR inputs		Weight	Approx. 30.6 kg
VIDEO IN:	LINE A/B: BNC connector Composite video, 1 Vp-p ±6 dB, sync negative, 75-ohm termination switchable	Supplied accessory	Remote commander RM-668, with 2 R6 batteries..... 1
AUDIO IN:	VTR: 8-pin connector Composite video, 1 Vp-p ±6 dB, sync negative, 75-ohm terminated	Optional accessories	TV stand SU-538, SU540 Speaker system SS-X6A, APM-X5A
	LINE A/B: Phono jack -5 dBs, more than 47 kilohms		
	VTR: 8-pin connector, -5 dBs, more than 47 kilohms		

- Continued on page 2 -



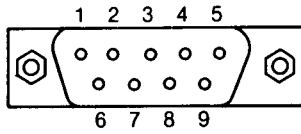
TRINITRON COLOR VIDEO MONITOR

SONY®

MON

SIGNAL ASSIGNMENT

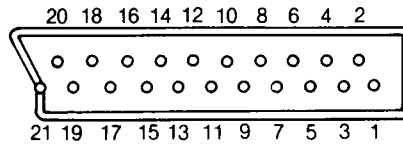
DIGITAL RGB connector
(D-sub 9-pin)



Digital signal (TTL level)

Pin No.	Signal assignment
1	Ground
2	Ground
3	Red input
4	Green input
5	Blue input
6	Intensity input
7	No connection
8	H. sync input (positive/negative)
9	V. sync input (positive/negative)

AV connector (21-pin)



Pin No.	Signal	Signal level
1	Audio output B (right)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm *
2	Audio input B (right)	Standard level: 0.5 Vrms Input impedance: More than 10 k ohms *
3	Audio output A (left)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm *
4	Ground (audio)	
5	Ground (blue)	
6	Audio input A (left)	Standard level: 0.5 Vrms Input impedance: More than 10 k ohms *
7	Blue input	0.7 V ±3 dB, 75 ohms, positive
8	Function select (AV control)	High state (9.5 - 12 V): Peri mode Low state (0 - 2 V): TV mode Input impedance: More than 10 k ohms Input capacitance: Less than 2 nF

Pin No.	Signal	Signal level
9	Ground (green)	
10	Open	
11	Green input	(Same as Pin 7)
12	Open	
13	Ground (red)	
14	Ground (blanking)	
15	Red input	(Same as Pin 7)
16	Blanking input	High state (1 - 3 V) Low state (0 - 0.4 V) Input impedance: 75 ohms
17	Ground (video output)	
18	Ground (video input)	
19	Video output	1 V ±3 dB, 75 ohms, positive Sync: 0.3 V (±3 dB)
20	Video input	1 V ±3 dB, 75 ohms, positive Sync: 0.3 V (±3 dB)
21	Common ground (plug, shield)	

* at 20 Hz - 20 kHz

Design and specifications subject to change without notice.

TROUBLESHOOTING

If these symptoms occur when you begin operation, follow the suggestions below.


SYMPTOMS	CORRECTIONS
No controllable keys although the POWER switch is turned on.	• Press the CONTROL key.
No indication appears although the CONTROL key is pressed.	• Set the MANUAL CONTROL switch on the rear panel to ON.
Remote control is not possible.	• Set the REMOTE CONTROL switch on the rear panel to ON.

If the problem still cannot be solved, contract your authorized Sony dealer.

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
1. GENERAL		
1-1.	Location and Function of Parts and Control	4
1-2.	Operation	8
1-3.	System Connections.	9
2. DISASSEMBLY		
2-1.	Power Block Assy and Chassis Assy Removal	13
2-2.	Key Board Unit Removal	13
2-3.	Picture Tube Removal	14
3. SETUP ADJUSTMENTS		
3-1.	Beam Landing.	15
3-2.	Covergence.	16
3-3.	White Balance Adjustment	18
4. CIRCUIT ADJUSTMENTS		
4-1.	FA Boards Adjustment.	19
4-2.	D Boards Adjustment.	19
4-3.	HC Board Adjustment	20
4-4.	B Board Adjustment	20
4-5.	Safety Check Adjustment	21
5. DIAGRAM		
5-1.	Circuit Boards Location	23
5-2.	Block Diagram	24
5-3.	Frame Schematic Diagram.	29
5-4.	Schematic Diagram and Printed Wiring Boards.	34
5-5.	Semiconductors	63
6. EXPLODED VIEWS		
6-1.	Picture Tube.	65
6-2.	Chassis	66
6-3.	Back Cover.	67
6-4.	Key Board Unit	68
7. ELECTRICAL PARTS LIST		
		69

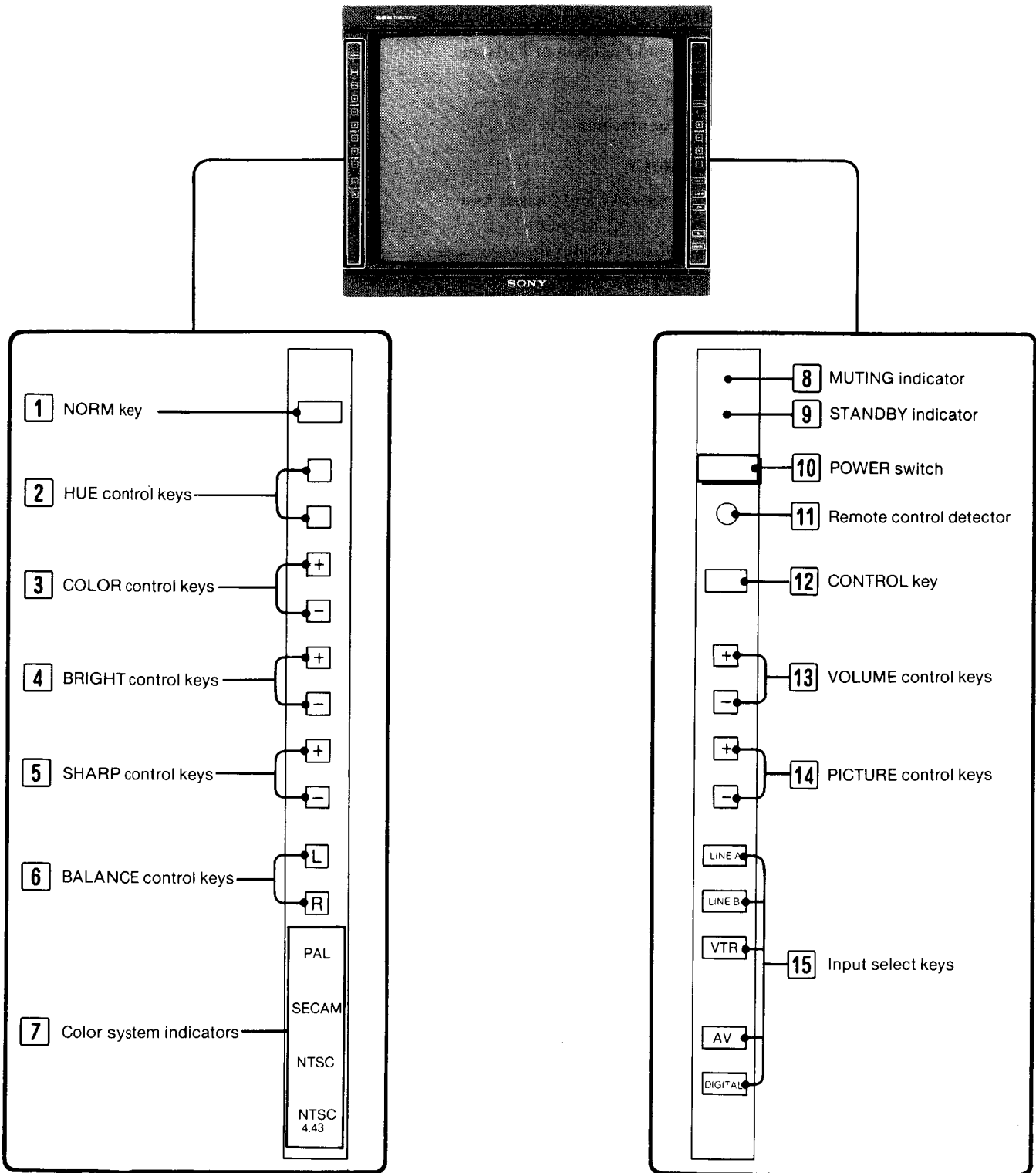
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  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. LOCATION AND FUNCTION OF PARTS AND CONTROL

FRONT PANEL



• Press CONTROL key after power is turned on to illuminate the control keys or indicators.

The following control keys are effective only when MANUAL CONTROL switch on the rear panel is set to ON.

- 1 NORM (normal) key**
Press this key to return to the standard setting.
• This key is effective only for the control keys on the left.
- 2 HUE control keys**
Press the GRN (green) key to make the skin tones greenish or the PUR (purple) key to make it purplish.
• These control keys are effective for the NTSC and NTSC_{4,43} color systems only.
- 3 COLOR control keys**
Press the + key to make the color intensity vivid or the – key to make it pale.
- 4 BRIGHT (brightness) control keys**
Press the + key to make the picture brighter or the – key to make it darker.
- 5 SHARP (sharpness) control keys**
Press the + key to obtain a sharp picture or the – key to obtain a soft picture.
- 6 BALANCE control keys**
Press the L key to increase the sound volume of the left speaker or the R key to increase the sound volume of the right speaker.
- 7 Color system indicators**
PAL, SECAM, NTSC, NTSC_{4,43}
The color system of the input signal is automatically selected and the corresponding indicator illuminates. When the input signal is monochrome, no color system indicator illuminates.
- 8 MUTING indicator**
Illuminates while the sound is muted.
• Muting is controlled only by the Remote Commander.
- 9 STANDBY indicator**
Illuminates when the power is turned off by the Remote Commander.
- 10 POWER switch**
Press this switch to turn the monitor on.
Press this switch again to turn it off.
• When the monitor is turned on, the settings of the monitor are the same as when it was last turned off.
• For a few seconds after turning on the monitor the color of picture may vary because the white balance is adjusted at this time. This is not a problem.

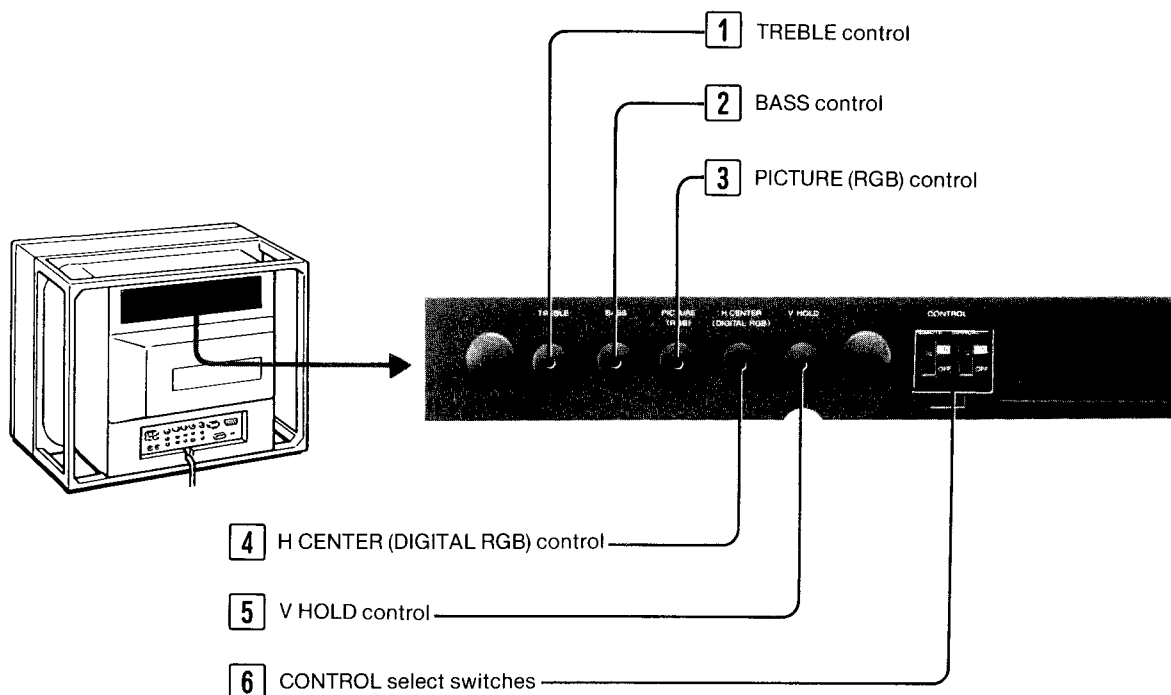
- 11 Remote control detector**
The beam from the Remote Commander is received here.
- 12 CONTROL key**
Press this key to illuminate the keys and indicators on the front panel.
Press this key again to extinguish them.
- 13 VOLUME control keys**
Press the + key to raise the volume or the – key to lower it.
- 14 PICTURE control keys**
Press the + key to make the contrast, color intensity and brightness stronger or the – key to make them weaker.
- 15 Input select keys**
LINE A, LINE B, VTR, AV, DIGITAL
Select the input source connected to the LINE A, LINE B, VTR, AV or DIGITAL RGB connector.
When a key is pressed:
• it blinks if the other indicators and keys on the front panel illuminate.
• it illuminates if they are extinguished.

Key illumination

For the keys **1** through **7**, **13** and **14**:

- While each key is pressed, it blinks, indicating that adjustment is going on.
- During adjustment, if the adjustment value reaches the limit, the blinking speed becomes slower.

REAR PANEL



1 TREBLE control

Turn clockwise for more treble (high tone), or counterclockwise for less.

2 BASS control

Turn clockwise for more bass (low tone), or counterclockwise for less.

3 PICTURE (RGB) control

Adjust the contrast of the RGB signals connected to the AV connector or the DIGITAL RGB connector.

4 H CENTER (DIGITAL RGB) (horizontal centering) control

When the picture of DIGITAL RGB input is decentered horizontally, correct it with this control.

5 V HOLD (vertical hold) control

When the picture rolls vertically, correct it with this control.

6 CONTROL select switches

Normally set to ON.

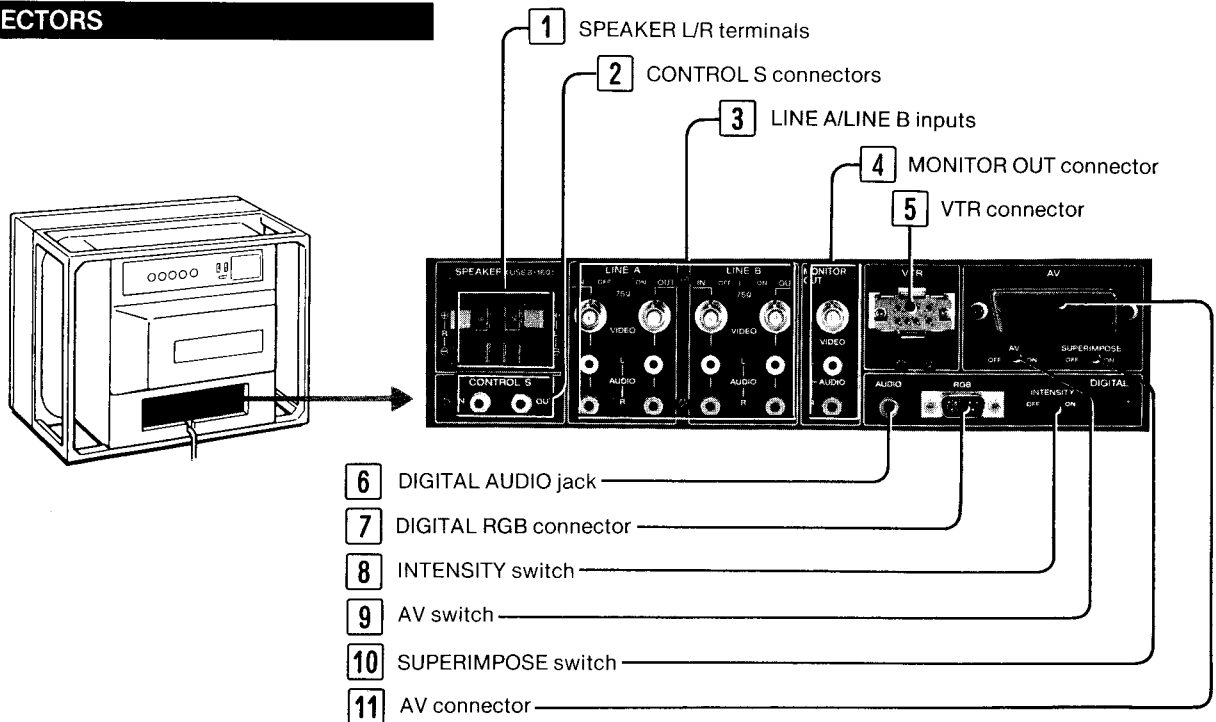
REMOTE CONTROL switch

Set this switch to ON to control the monitor with a Remote Commander. If this switch is set to OFF, the remote control is not possible.

MANUAL CONTROL switch

Set this switch to ON to control the monitor manually. To make the manual control of the control keys or switches on the front panel impossible, extinguish the indicators by pressing the CONTROL key on the front panel and set this switch to OFF. (However remote control is possible if the REMOTE CONTROL switch is set to ON.)

CONNECTORS



1 SPEAKER L/R terminals

Connect to speakers with 8 to 16 ohm impedance.

2 CONTROL S IN/OUT connectors

Connect to the CONTROL S connectors of a VTR or another monitor.

It is then possible to control the whole system with a single Remote Commander.

3 LINE A/LINE B inputs

VIDEO IN connector (BNC type)

AUDIO L/R IN jacks (phono jack)

Connect to the video and audio outputs of a VTR or a camera.

VIDEO OUT connector (BNC type)

AUDIO L/R OUT jacks (phono jack)

Loop-through outputs of the IN connector and jacks.

Connect to the video and audio inputs of another monitor.

75-ohm termination switch

When only the VIDEO IN connector is used (nothing is connected to the VIDEO OUT connector), set this switch to ON.

When both connectors are used together for a loop-through connection, set this switch to OFF.

4 MONITOR OUT connectors

VIDEO connector (BNC type)

AUDIO L/R jacks (phono jacks)

The video and audio signals supplied from the LINE A, LINE B, VTR or AV input selected by the front panel input select keys are output from these connectors.

Connect to the video and audio inputs of another monitor, VTR, etc.

5 VTR connector (8-pin)

Connect to a VTR with an 8-pin TV connector.

6 DIGITAL AUDIO jack (phono jack)

Connect to the audio output of an audio source to listen to the sound from the connected audio source while viewing the picture from the DIGITAL RGB connector.

7 DIGITAL RGB connector (9-pin, D-sub)

Connect to the digital RGB output of a microcomputer.

8 INTENSITY switch

Normally set to OFF. When a microcomputer provided with intensity output is connected, set to ON for 16-color display.

9 AV switch

Set to ON so that the monitor is automatically switched to the AV input when a signal is input from the AV connector, taking priority over the LINE A, LINE B or VTR input previously selected by the input select keys on the front panel. Set to OFF to select the AV input manually by pressing the AV input select key.

10 SUPERIMPOSE switch

Normally set to ON.

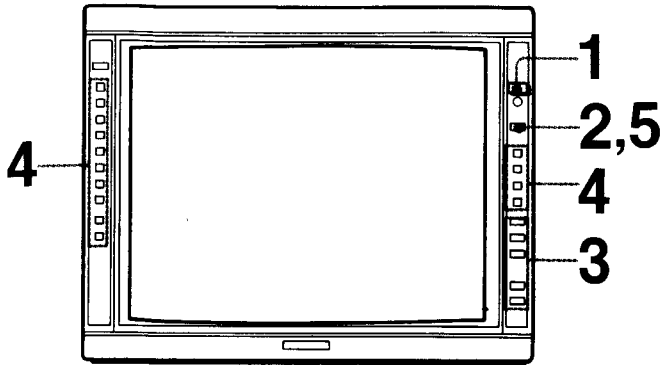
Set to OFF to display the analog RGB signal from the microcomputer connected to the AV connector.

11 AV connector (21-pin)

Connect to the 21-pin multiconnector of an 8 mm video cassette recorder or the analog RGB multioutput connector of a microcomputer.

1-2. OPERATION

DISPLAYING THE PICTURE



- 1** Depress the POWER switch.
One of the input select keys illuminates.
- 2** Press the CONTROL key.
The selected input select key blinks and all control keys on the front illuminate.
(If the control keys do not appear, set the MANUAL CONTROL switch on the rear to ON.)
- 3** Press the desired input select key.
The pressed key blinks and the picture from the selected input is displayed on the screen and the sound is heard through the speakers.
(For selecting the AV or DIGITAL input, see "Notes on input selection".)
- 4** Adjust the picture and sound.
- 5** Press the CONTROL key to extinguish the controls keys so that only the selected input select key illuminates.

SUPERIMPOSING

To superimpose the data from the microcomputer connected to the AV connector over the picture, proceed as follows. (The data should be processed for superimposition on the microcomputer.)

- 1** Set the SUPERIMPOSE switch to ON.
- 2** Press the LINE A, LINE B or VTR input select key to display the picture on which the data is to be superimposed on the monitor screen.
- 3** Press the AV input select key.
The data is superimposed over the picture.
- 4** Adjust the contrast of the superimposed data with the PICTURE (RGB) control.

NOTES ON INPUT SELECTION

AV input and SUPERIMPOSE switch

Set the SUPERIMPOSE switch on the rear as follows, according to the signal supplied to the AV connector.

SUPERIMPOSE switch	Signal to be displayed
ON	<ul style="list-style-type: none"> • To display the composite video signal from an 8 mm video cassette recorder, etc. • To perform superimposition. (See "SUPERIMPOSING".)
OFF	<ul style="list-style-type: none"> • To display the analog RGB signal from a microcomputer, etc. In this case, the sync signal should be supplied to pin 20 of the AV connector.

- When the AV input select key is pressed with the SUPERIMPOSE switch ON, the previously selected LINE A, LINE B or VTR input select key blinks together with the AV key.
- When it is pressed with the SUPERIMPOSE switch OFF, only the AV key blinks.

AV input and AV switch

When the AV switch on the rear is set to ON, the monitor is automatically switched from the LINE A, LINE B or VTR input to the AV input if a signal is input to the AV connector. Set the AV switch to OFF to select the AV input manually by pressing the AV input select key.

DIGITAL input

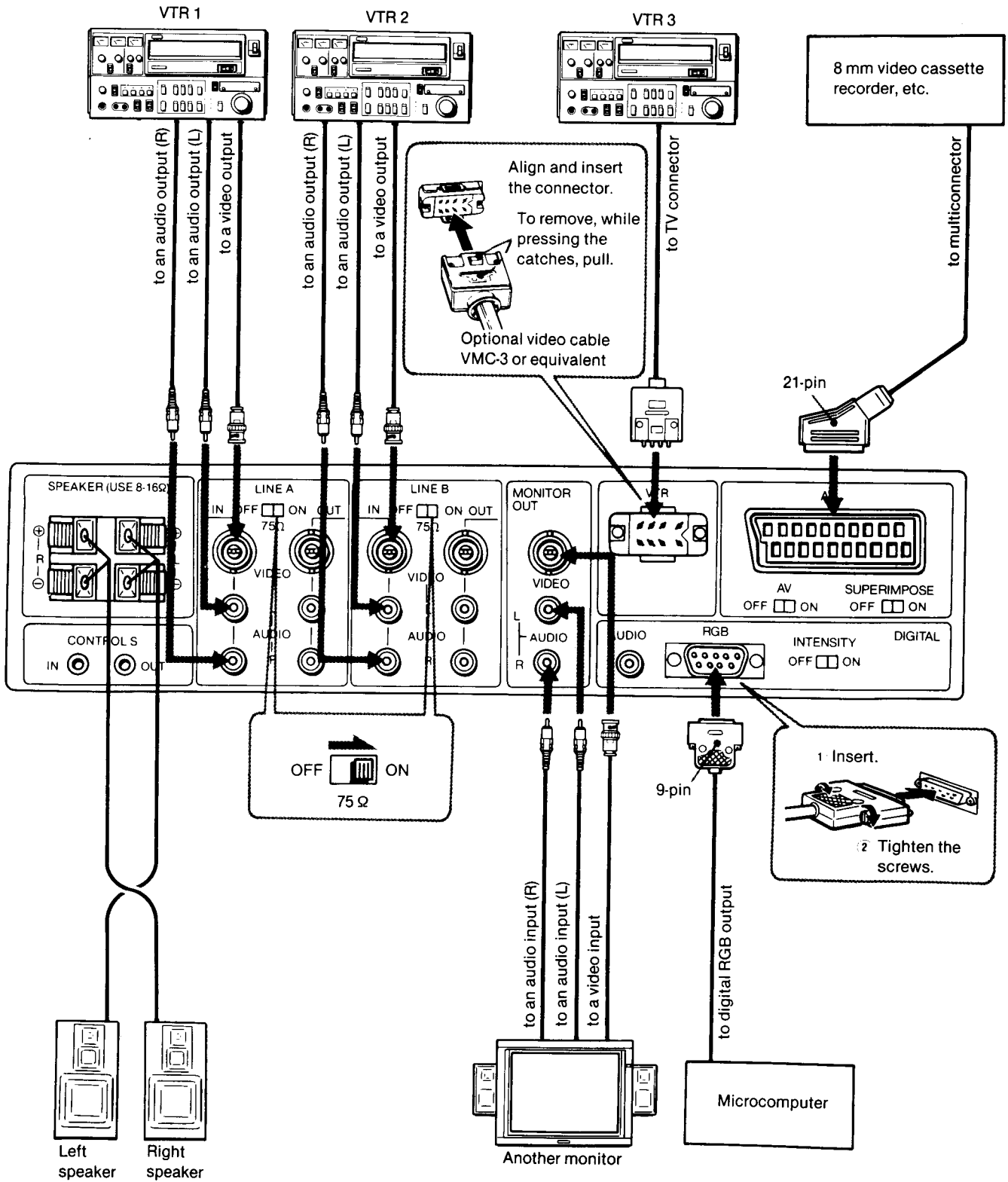
- To display the digital RGB signal from a microcomputer provided with intensity output in 16 colors, set the INTENSITY switch on the rear to ON.
- If necessary, center the picture from the DIGITAL RGB connector with the H CENTER control on the rear panel.

Note

The COLOR, HUE and SHARP control keys do not function when the DIGITAL input is selected or the AV input is selected with the SUPERIMPOSE switch OFF.

1-3. SYSTEM CONNECTIONS

CONNECTION DIAGRAM



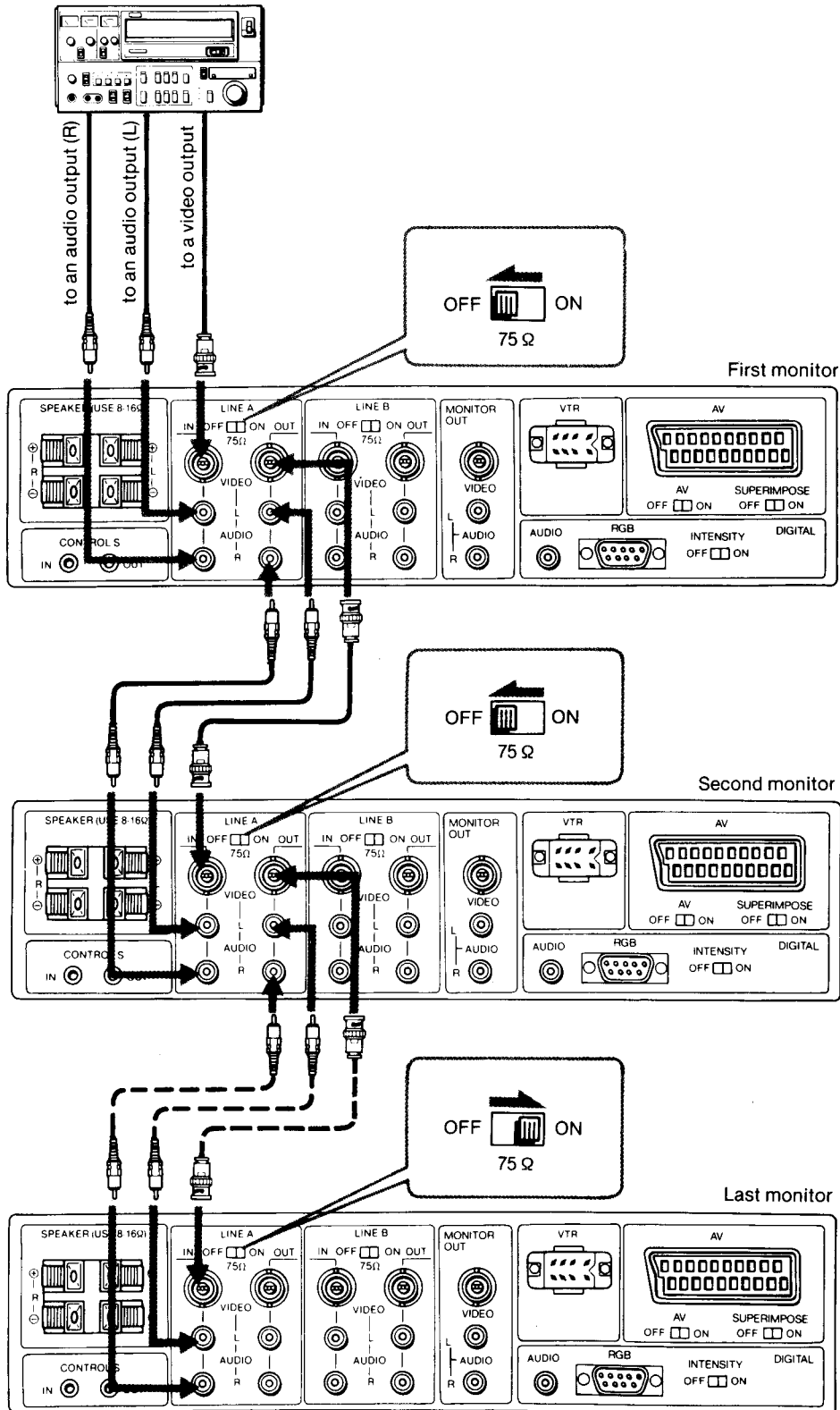
Note

• When a microcomputer has an analog RGB output connector, connect it to the AV connector.

• When a microcomputer has only a composite video output connector, connect it to the LINE A or LINE B VIDEO IN connector.

CONNECTING SEVERAL MONITORS

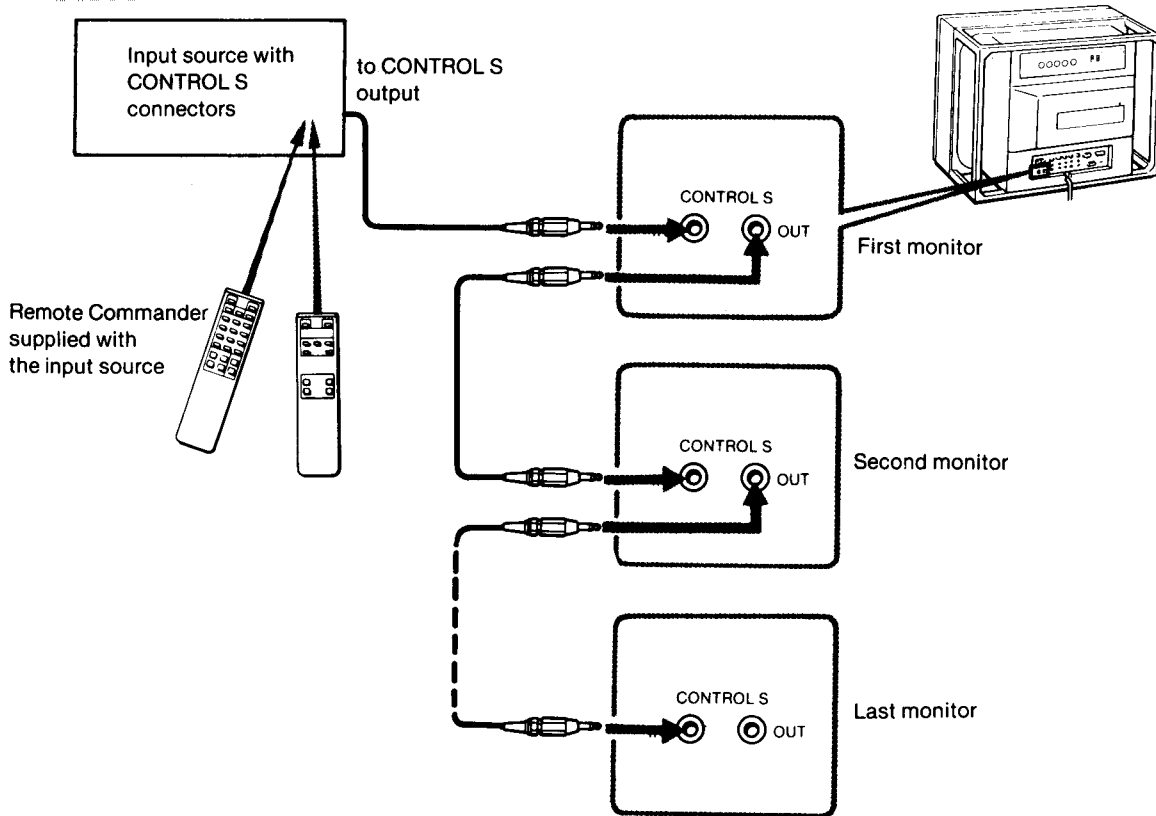
A loop-through connection is convenient for monitoring the same signal on their monitors. Up to 10 monitors can be connected. It is recommended to use a signal distributor when several monitors are connected.



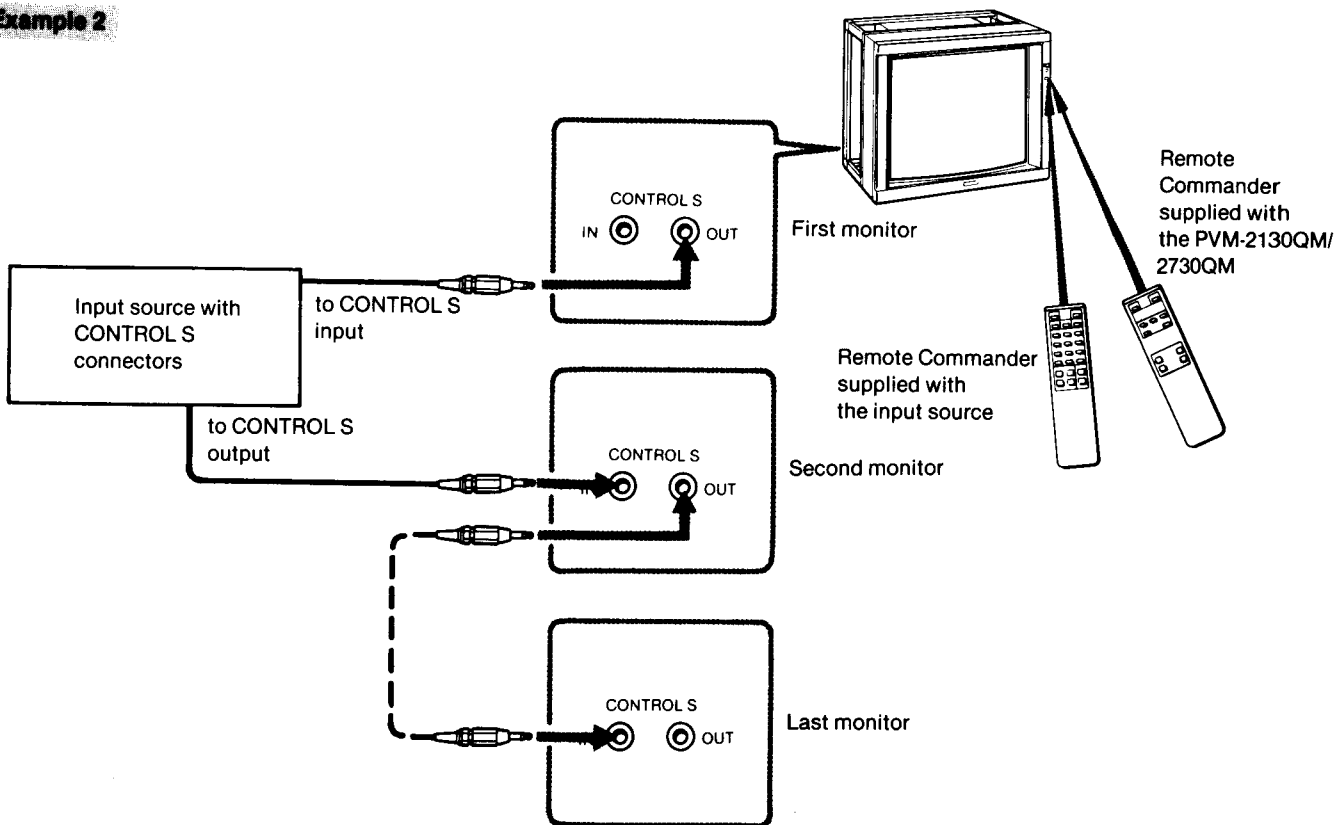
CONTROL S CONNECTION

The following connections allow remote control of several monitors and a VTR through a single monitor.

Example 1



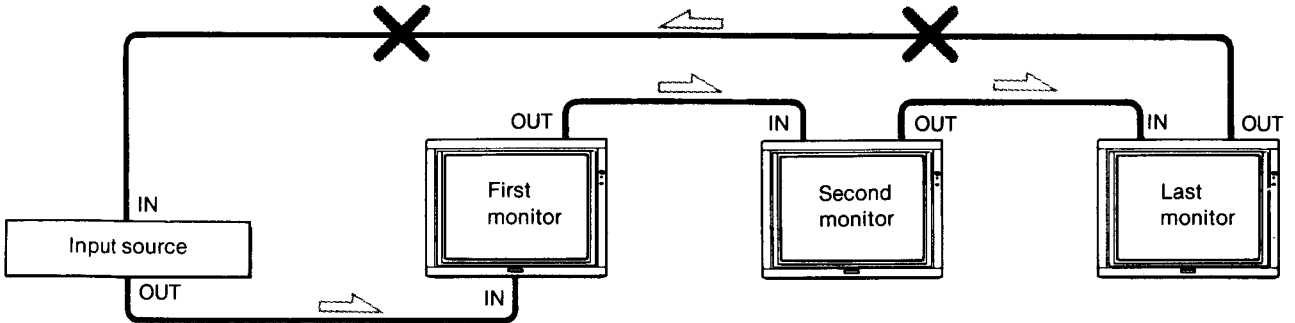
Example 2



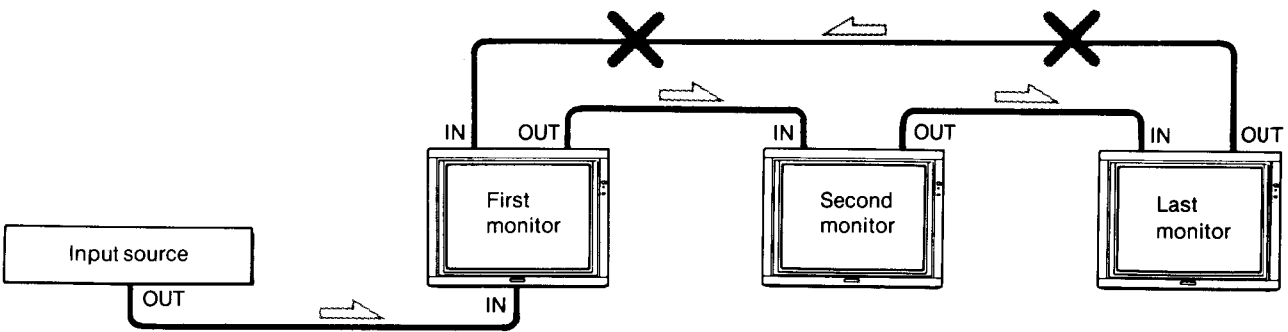
Note

Do not use the following loop connections.

Example 1



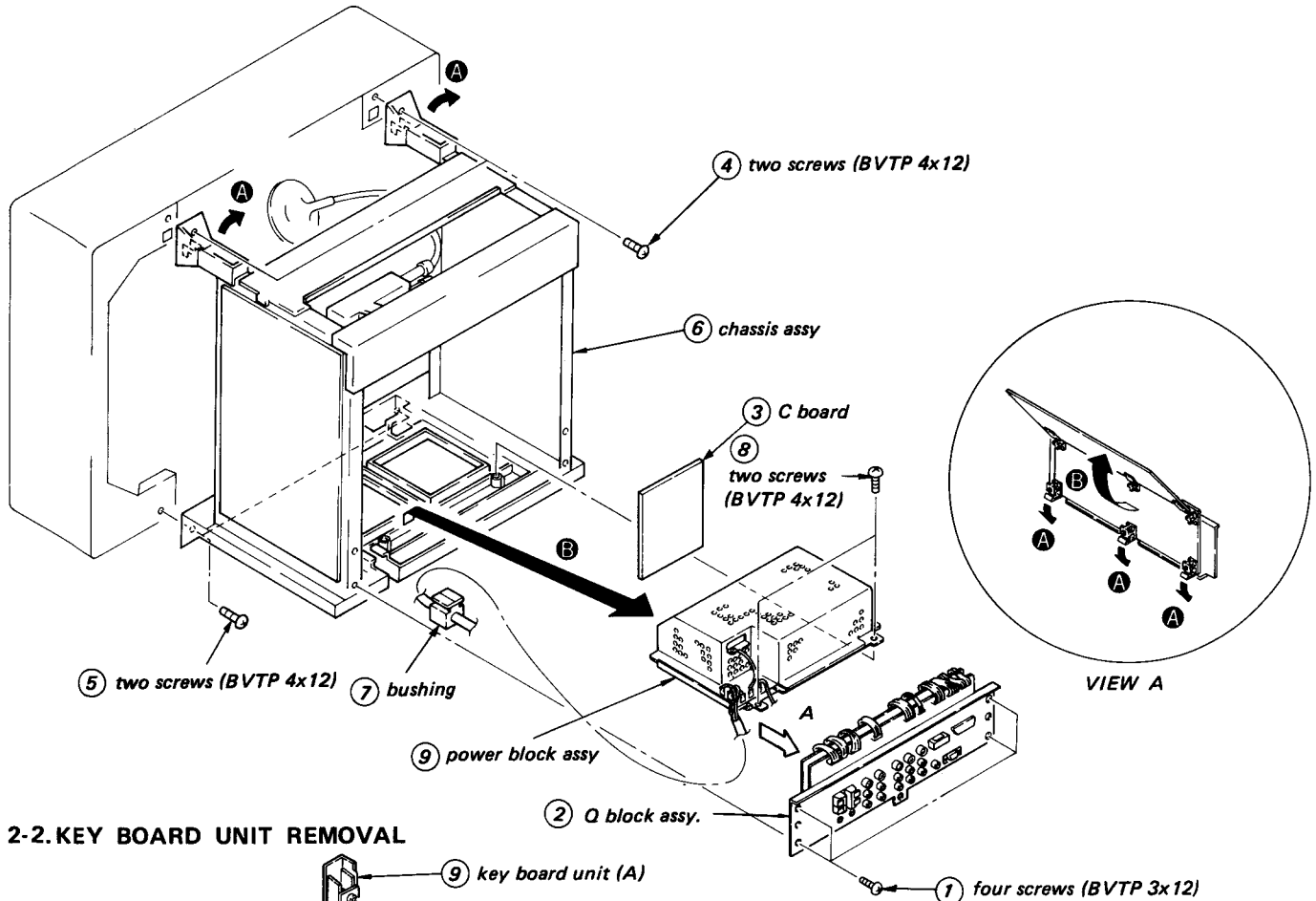
Example 2



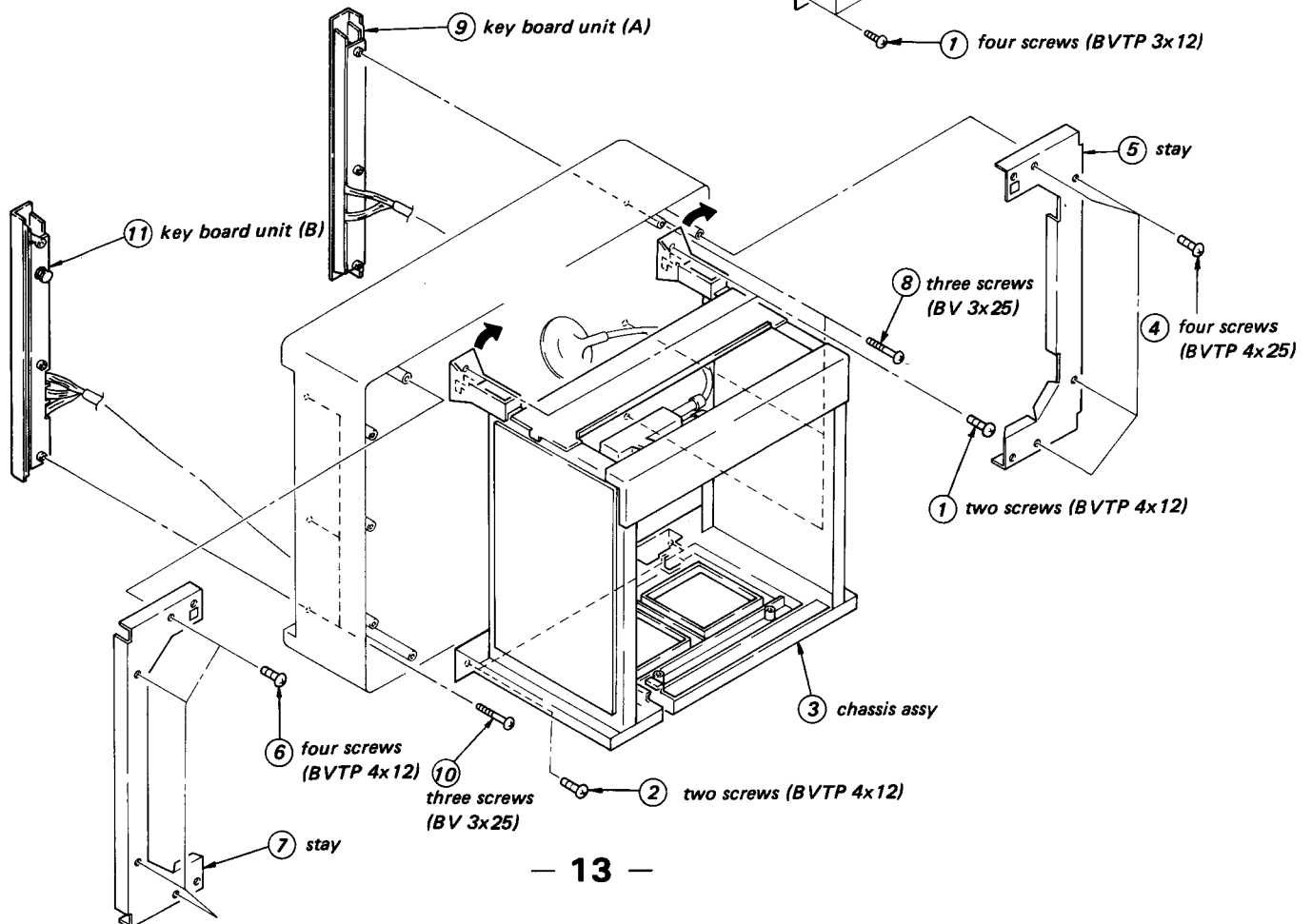
 CONTROL S signal flow

SECTION 2
DISASSEMBLY

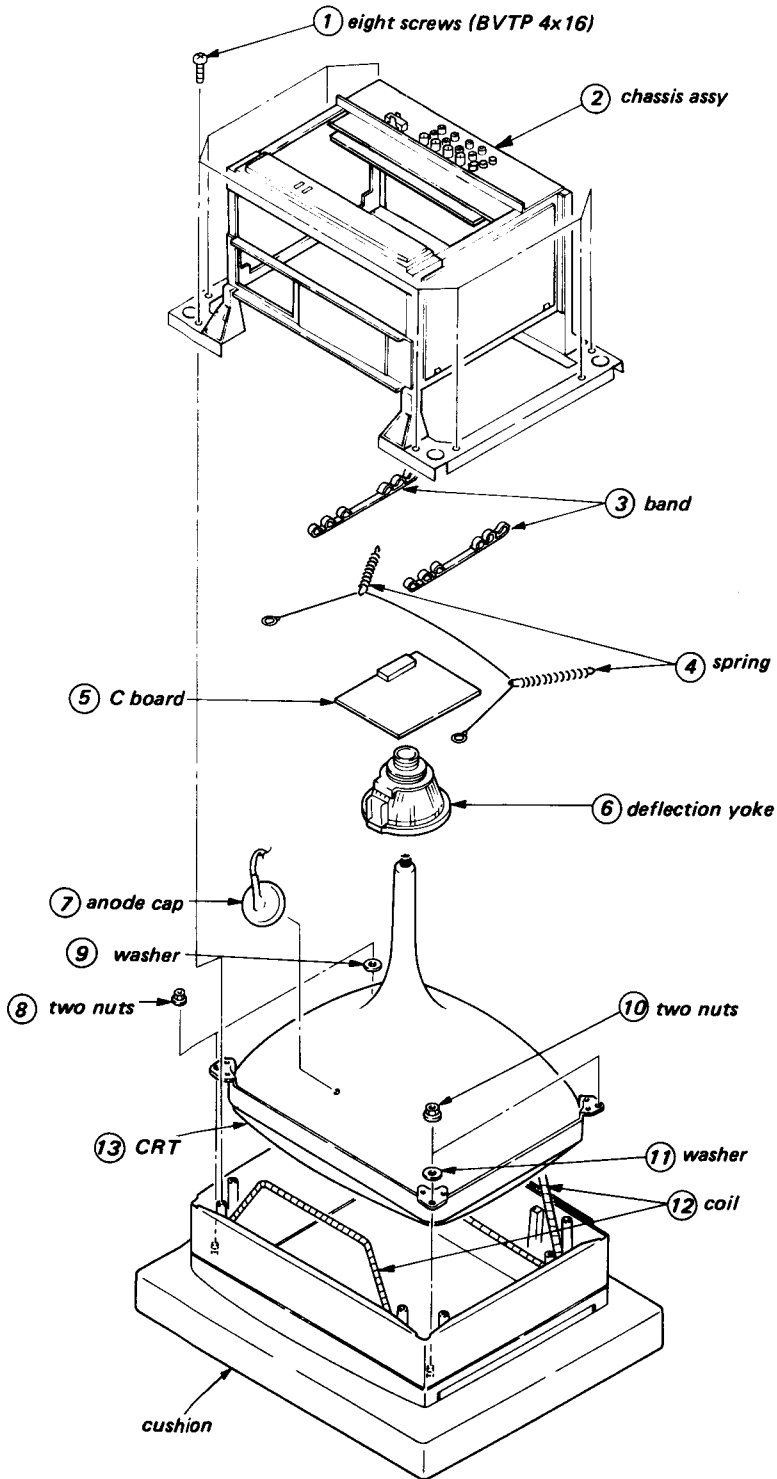
2-1. POWER BLOCK ASSY AND CHASSIS ASSY REMOVAL



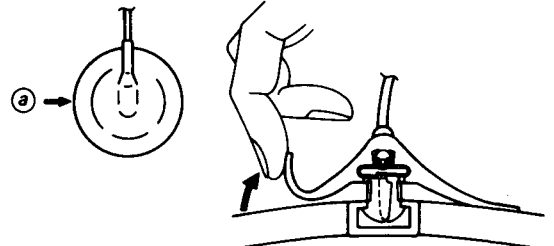
2-2. KEY BOARD UNIT REMOVAL



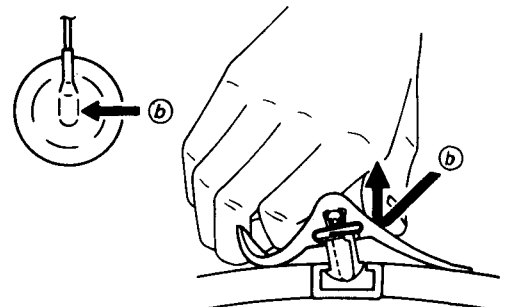
2-3. PICTURE TUBE REMOVAL



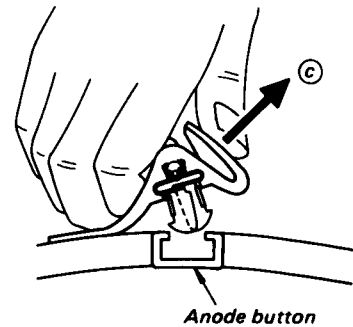
• **Removing Procedures**



① Turn up one side of the rubber cap in the direction indicated by the arrow (a)



② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow (b)



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 up it in the direction of the arrow (c)

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.

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. White Balance

Note: Test Equipment Required

1. Color-bar/Pattern Generator
2. Degausser

3-1. BEAM LANDING

Preparation:

- Input the RASTER pattern.
 - Before starting, degauss the entire screen.
1. Turn on set power supply and input a RASTER signal.
 2. Evenly degauss the entire screen.
 3. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Figure 3-1.
 4. Input a red signal.
 5. Move the deflection yoke back, and adjust the purity control so that RED is in the center and GREEN and BLUE are at the sides, evenly. (Figure 3-2.)
 6. Move the deflection yoke forward so that the entire screen is red.
 - If the deflection yoke is pushed all the way to the CRT then moved slightly back, landing adjustment is easier.
 7. Substitute GREEN, then BLUE for RED in step 4 and check landing.
 8. Rotate RED, GREEN and BLUE once each and check landing.
 9. When landing is not right, adjust the purity control and use magnets as shown in Figure 3-3, then repeat steps 7 and 8.
 10. When a magnet is used, be sure to perform step 2, and tighten deflection yoke mounting screw loosely.

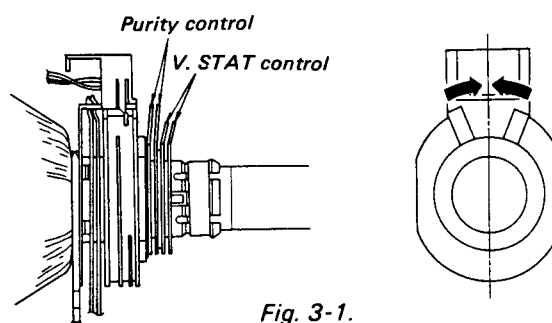


Fig. 3-1.

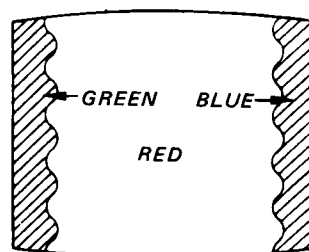


Fig. 3-2.

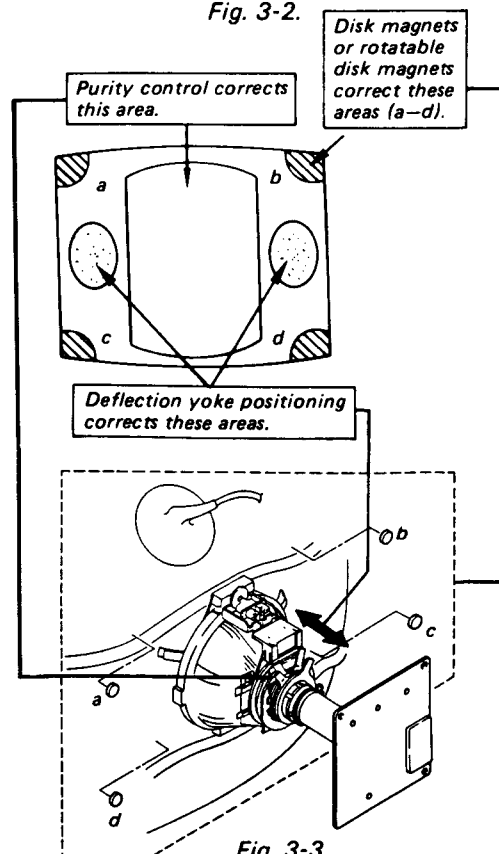


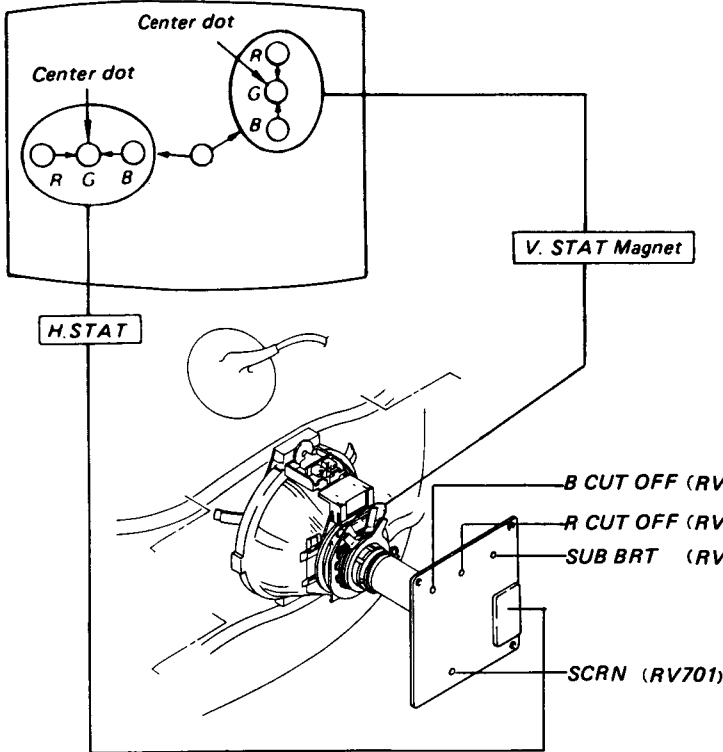
Fig. 3-3.

3-2. COVERAGE

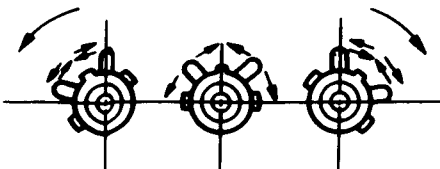
Preparation:

- Before starting, perform FOCUS, H. SIZE, V. SIZE and V. LIN adjustments.
- Set BRIGHTNESS control to fully counterclockwise.
- Feed in the dot pattern.

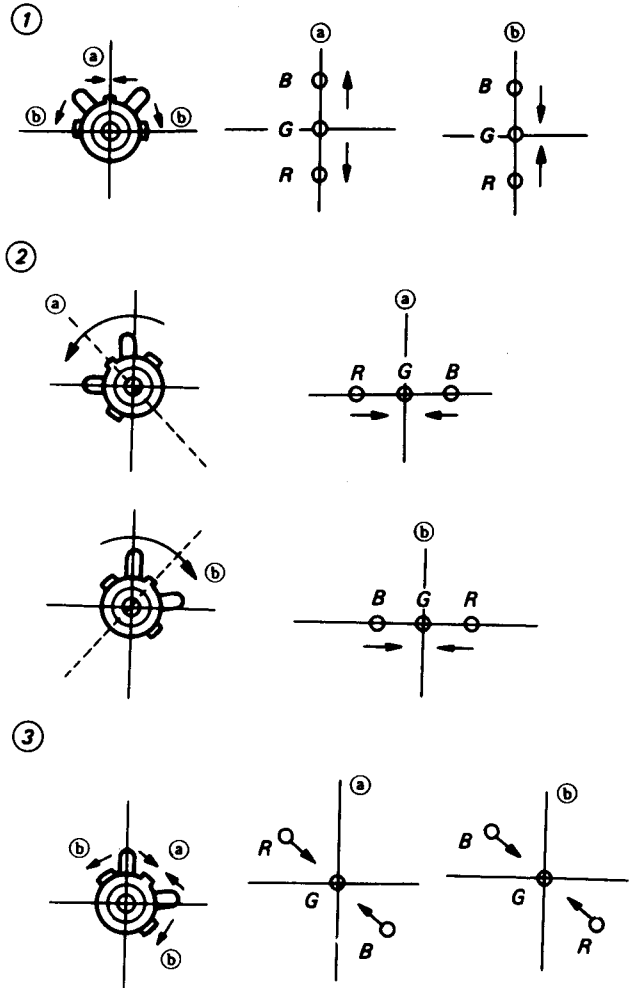
(1) Horizontal and Vertical Static Convergence



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen (Horizontal movement)
 2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen (Vertical movement)
 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



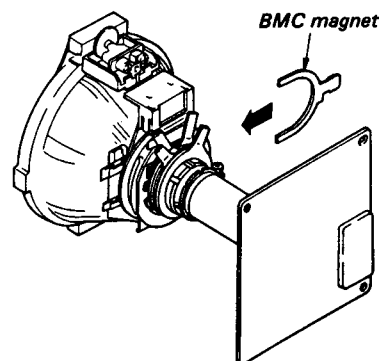
4. When the V. STAT magnet is moved in the direction of arrow (a) and (b), Red, Green and Blue dots move as shown below.



If blue dot does not coincide with red and green dots, perform following steps.

- Move BMC magnet (a) to correct insufficient H. static convergence.
- Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.



(2) Dynamic Convergence Adjustment

Preparation:

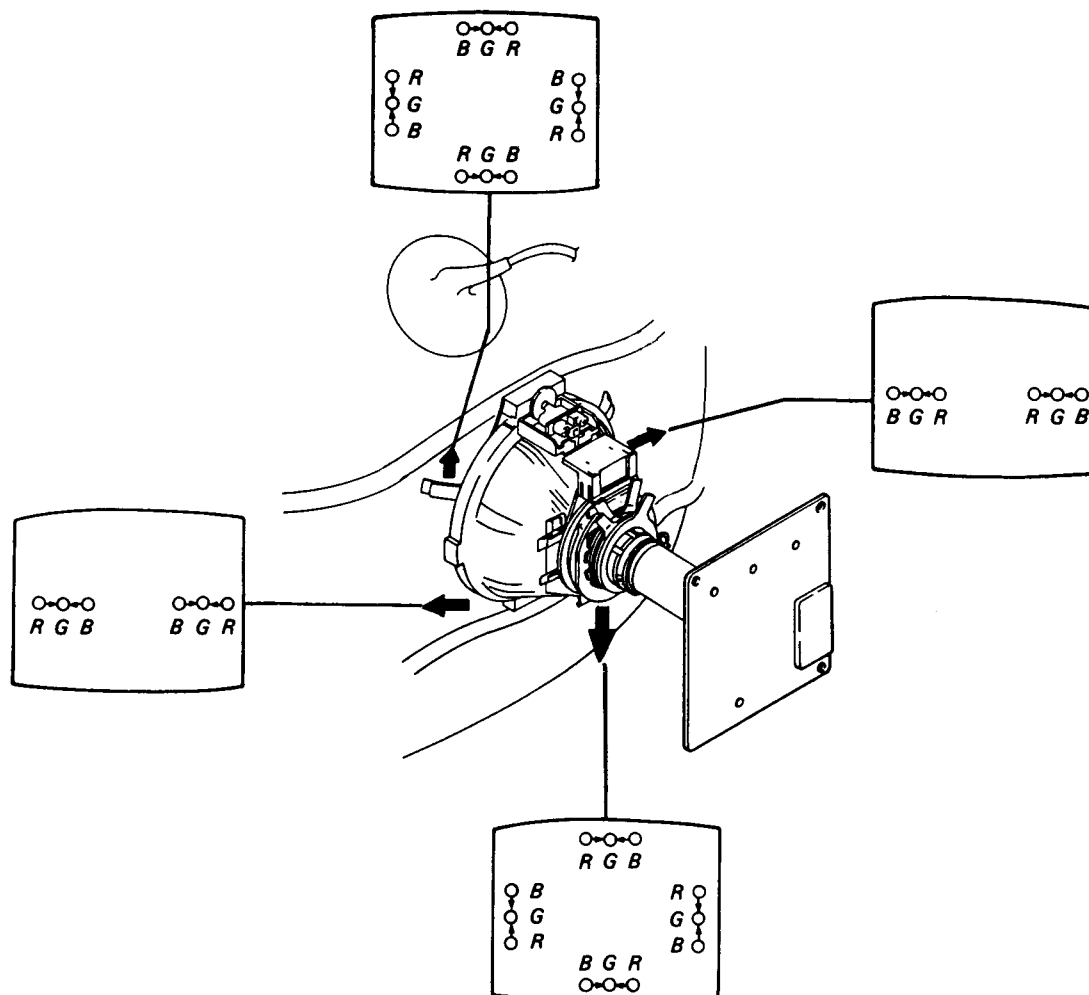
- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

1. Loosen deflection yoke screw.
2. Remove deflection yoke spacers.

3. Move the deflection yoke for best convergence as shown below.

4. Tighten the deflection yoke screw.

5. Install the deflection yoke spacers.



3-3. WHITE BALANCE ADJUSTMENT

1) SCREEN (G₂) adjustment

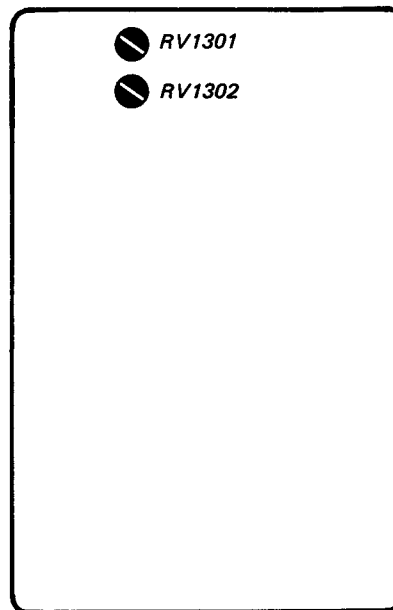
1. Confirm that G₁ line voltage is 30±5 Vdc.
2. Adjust CUT OFF(R,B) so that R,B cathode voltage becomes 180 V DC.

Adjust with G₂ VT immediately prior to the disappearing of the luminescent line.

2) W/B adjustment

1. Input a all white signal.
2. Set the PICTURE control to minimum and turn the BRIGHT control mechanical center.
3. Set R CUT OFF(R,B) and RV703 (B CUT OFF) to minimum.
4. Turn RV701 (SUB BRT) slowly to obtain a faintly visible cross-hatch.
Note the color tjat first becomes visible by turning RV701.
5. Adjust the other two BKG controls for best white balance (neutral gray) of the faint cross-hatch.
6. Set the PICTURE control fully clockwise.
Observe the screen and adjust the RV1301 (G,H/L), RV1302 (B,H/L) controls for best white balance. (B Board)
7. Repeat steps 1, through 7.

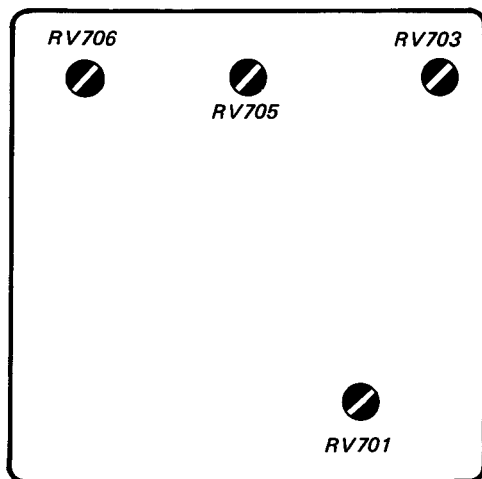
B Board



RV1301 (G.H/L)
RV1302 (B.H/L)

(Component side)

C Board



RV703 (B CUT OFF)
RV705 (R CUT OFF)
RV706 (SUB. BRT)
RV701 (SCRN)

(Component side)

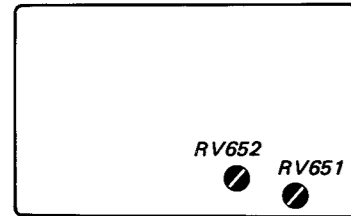
SECTION 4 CIRCUIT ADJUSTMENTS

4-1. FA BOARDS ADJUSTMENT

+B Line Adjustment

1. Supply 220V ac to with variable auto-transformer.
2. Adjust RV651 so that the +B line is 140V±0.5V.
3. Adjust RV652 so that the pin ① or IC651 is 32±0.1V.

FA Board



RV651 (+B ADJ)
RV652 (REF ADJ)

(Component side)

4-2. D BOARD ADJUSTMENTS

Horizontal Position Adjustment

1. Check that H center moves to the right and left with horizontal position VR (RV555), then adjust horizontal position to center.

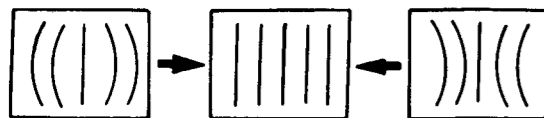
Picture Distortion Adjustment

1. Picture distortion adjustment
Input a signal equivalent to a crosshatch signal.

PIN PHASE (RV553)



PIN AMP (RV552)



2. Adjust RV554 (H.SIZE) so that H.SIZE is best.
3. Adjust RV555 (H.CENT) so that horizontal position is center.

V.SIZE V.CENT

Adjust RV503 and RV509 for a best vertical SIZE Picture.

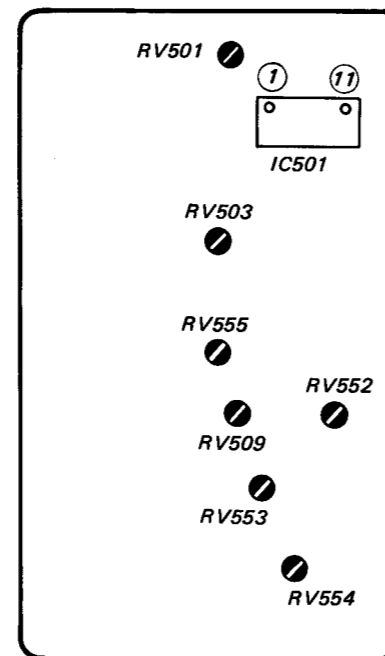
H.FREQ Adjustment

1. Input a color bar signal and short between IC501 pins ① and ①①.
Also short board IC401 pins ③⑤ and ③⑥.
2. Adjust H.FREQ VR (RV501) so that picture flow is as shown in Figure.
3. After adjustment, remove the connections in step ①.



fo low fo correct (fo=15.734Hz) fo high

D Board



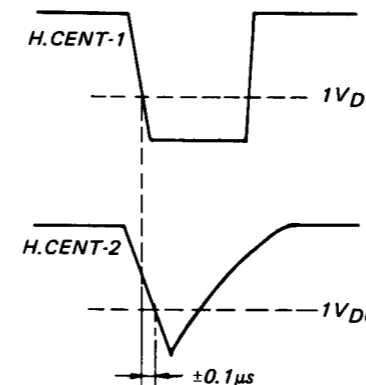
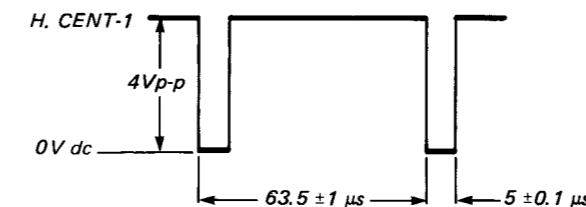
(Component side)

RV501 (H.FREQ)
IC501 1 11 (H FREQ)
RV503 (V.SIZE)
RV555 (H.CENT)
RV552 (PIN AMP)
RV509 (V.CENT)
RV553 (PIN PHASE)
RV554 (H.SIZE)

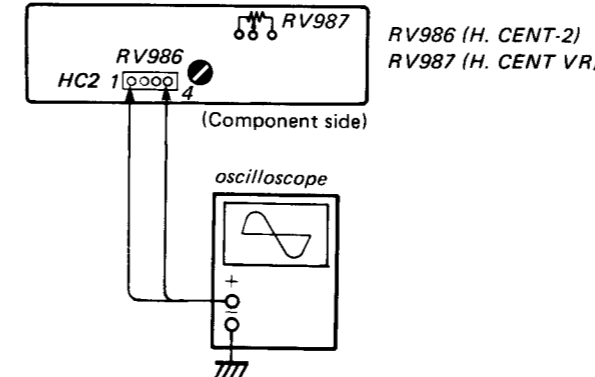
4-3. HC BOARD ADJUSTMENT

H. CENTER Adjustment (DIGITAL RGB)

1. Connect to the digital RGB output connector of a microcomputer.
2. Press to select the RGB mode.
3. Turn the H. CENT VR (RV987--- Rear control panel) to center position.
4. Connect the oscilloscope to pin ④ of HC-2 connector and pin ① of HC-2 connector.
5. Adjust RV986 (H. CENT-2) so that the phase difference level is ±0.1µsec.



HC Board

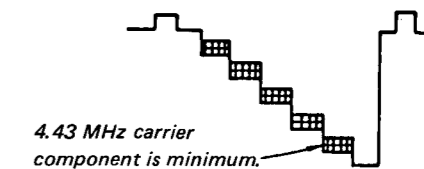


oscilloscope

4-4. B BOARD ADJUSTMENTS

Y Chroma Adjustment

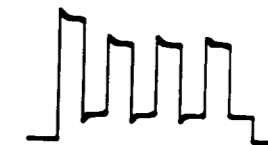
1. Input a PAL color bar signal.
2. Connect an oscilloscope to pin ③⑤ of IC301, and adjust so that chroma component is minimum on pin ③⑤ of IC301 waveform while tracking with L451 (4.43 MHz).



3. Input a NTSC (3.58) color bar signal.
4. Connect an oscilloscope to pin ③⑤ of IC301 and adjust so that chroma component is minimum on pin ③⑤ of IC301 waveform while tracking with L452.

COLOR BALANCE Adjustment

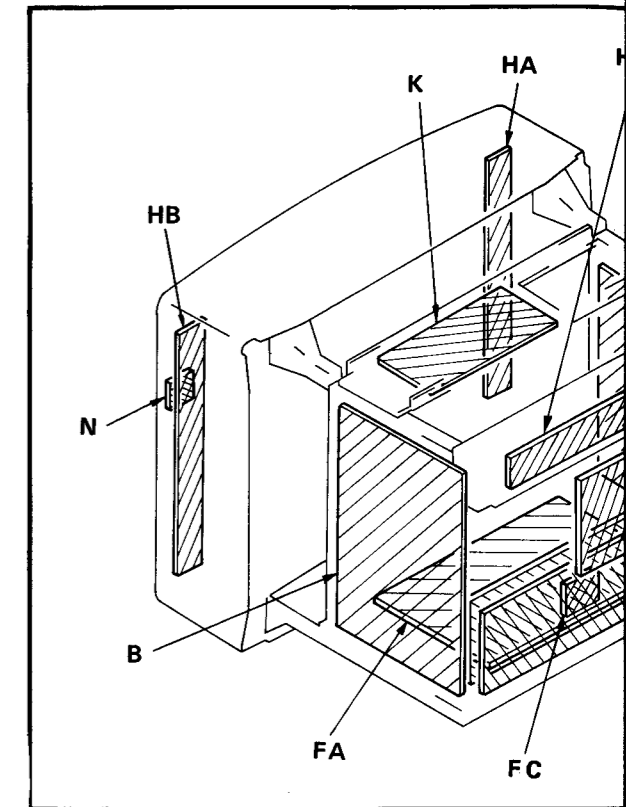
1. Input a SECAM color bar signal and set PICTURE to maximum.
Press "RESET" to set color to standard state.
2. Observe blue output (TP33) waveform on the oscilloscope and adjust L421 (B-Y) so that the black portion of the color bar is the same level as the pedestal.



3. Observe blue output (TP31) waveform on the oscilloscope and adjust L405 (R-Y) so that the black portion of the color bar is the same level as the pedestal.



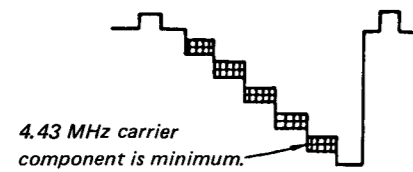
5-1. CIRCUIT BOARDS LOCATION



4-4. B BOARD ADJUSTMENTS

Y Chroma Adjustment

1. Input a PAL color bar signal.
2. Connect an oscilloscope to pin (35) of IC301, and adjust so that chroma component is minimum on pin (35) of IC301 waveform while tracking with L451 (4.43 MHz).



3. Input a NTSC (3.58) color bar signal.
4. Connect an oscilloscope to pin (35) of IC301 and adjust so that chroma component is minimum on pin (35) of IC301 waveform while tracking with L452.

COLOR BALANCE Adjustment

1. Input a SECAM color bar signal and set PICTURE to maximum. Press "RESET" to set color to standard state.
2. Observe blue output (TP33) waveform on the oscilloscope and adjust L421 (B-Y) so that the black portion of the color bar is the same level as the pedestal.



3. Observe blue output (TP31) waveform on the oscilloscope and adjust L405 (R-Y) so that the black portion of the color bar is the same level as the pedestal.



ANTI-PAL, LINE CRAWLING Adjustment

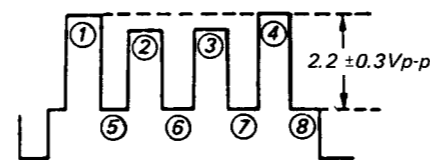
1. Input a PAL color bar signal and set PICTURE to maximum. Press "RESET" to set COLOR, HUE and BRT to standard state.
2. Confirm that there is no color on the first anti-PAL signal frames at the right and left of the picture. If sides while tracking with RV303.
3. Adjust T301 (DAT) for minimum line crawling.
4. Confirm the anti-PAL adjustment in 2, and repeat 3, and 1 if necessary.

APC Adjustment

- 4.43 adjustment
1. Input a PAL color bar signal.
 2. Short pin (1) and pin (12) on IC301.
 3. Adjust CT443 to get color sync.
- 3.58 adjustment
4. Input a NTSC (3.58 MHz) color bar signal.
 5. Adjust CT358 to get color sync.

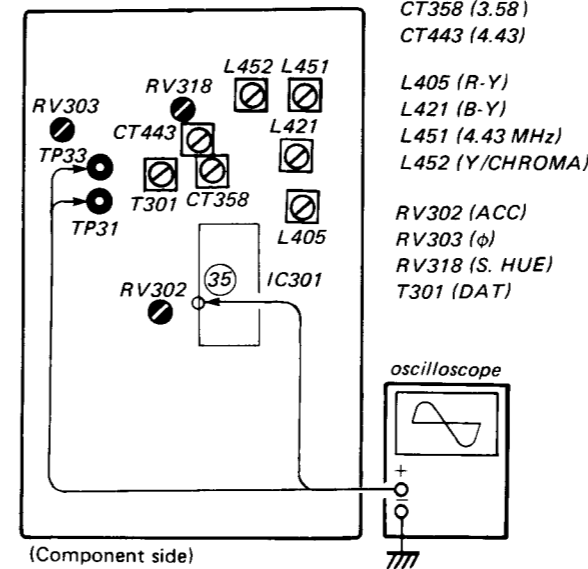
ACC, HUE CENT Adjustment

1. Input a PAL color bar signal and set PICTURE maximum.
2. Adjust RV302 (ACC ADJ) so that blue output (TP33) waveform is as shown in figure.



3. Input a NTSC (3.58 or 4.43) color bar signal and set PICTURE to maximum. Press "RESET" to set COLOR, HUE and BRIGHTNESS to standard state.
4. Adjust RV318 (S. HUE) so that blue output (TP33) waveform is as shown in figure.

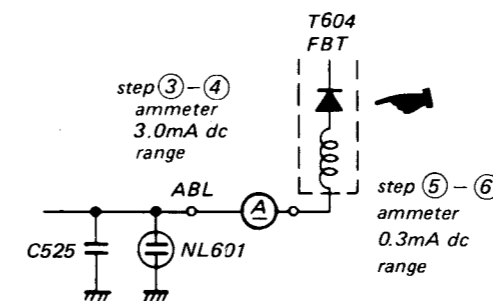
B Board



4-5. SAFETY CHECK ADJUSTMENT

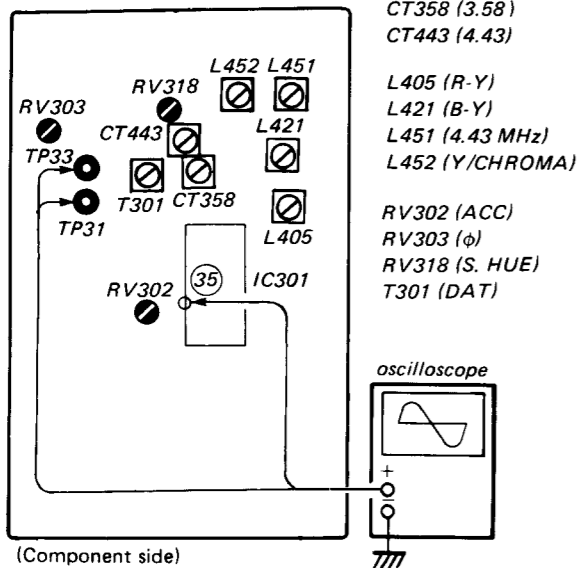
HOLD DOWN ADJUSTMENT (*R531)

1. Turn the POWER switch ON, and receive entirely white signals and set the PICTURE and BRIGHTNESS control to maximum.
 2. Confirm that the voltage of the IC1510 (1) pin is more than 15.78V DC when the set is operating normally with 120V AC supply.
 3. Adjust ABL current to $1400 \pm 30 \mu A$ with PICTURE and BRIGHTNESS. (ammeter 3.0mA dc range)
 4. Confirm that there is less than 18.35V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of IC1510 (1) pin)
 5. Adjust ABL current to $210 \pm 3 \mu A$ with PICTURE and BRIGHTNESS. (ammeter 0.3mA dc range)
 6. Confirm that there is less than 19.25V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of IC1510 (1) pin)
- Note: If the hold-down circuit starts operating in the above case, switch OFF the POWER of the set immediately.
7. If above steps is not satisfied, select resistance value of R597 and repeat above steps 1 through 6.



SECTION 5
DIAGRAMS

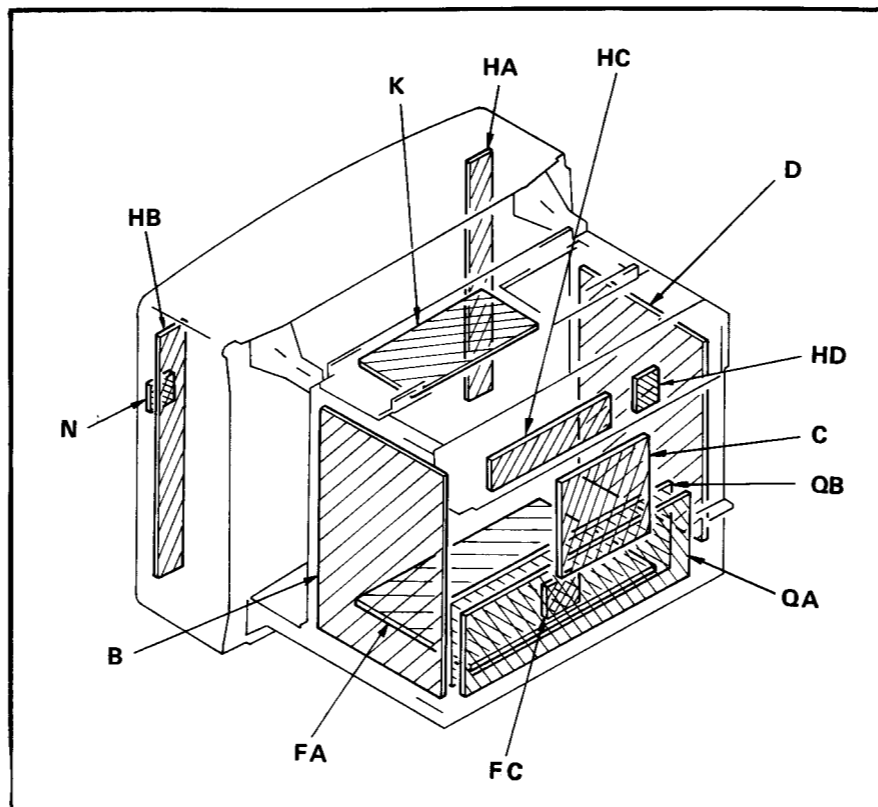
B Board



- CT358 (3.58)
- CT443 (4.43)
- L405 (R-Y)
- L421 (B-Y)
- L451 (4.43 MHz)
- L452 (Y/CHROMA)
- RV302 (ACC)
- RV303 (ϕ)
- RV318 (S. HUE)
- T301 (DAT)

(Component side)

5-1. CIRCUIT BOARDS LOCATION



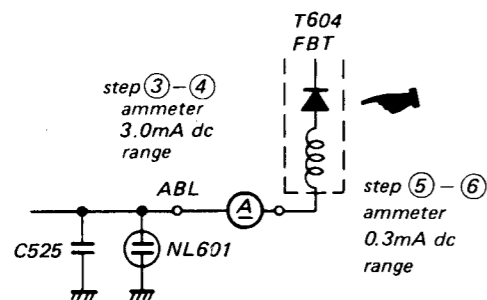
4-5. SAFETY CHECK ADJUSTMENT

HOLD DOWN ADJUSTMENT (*R531)

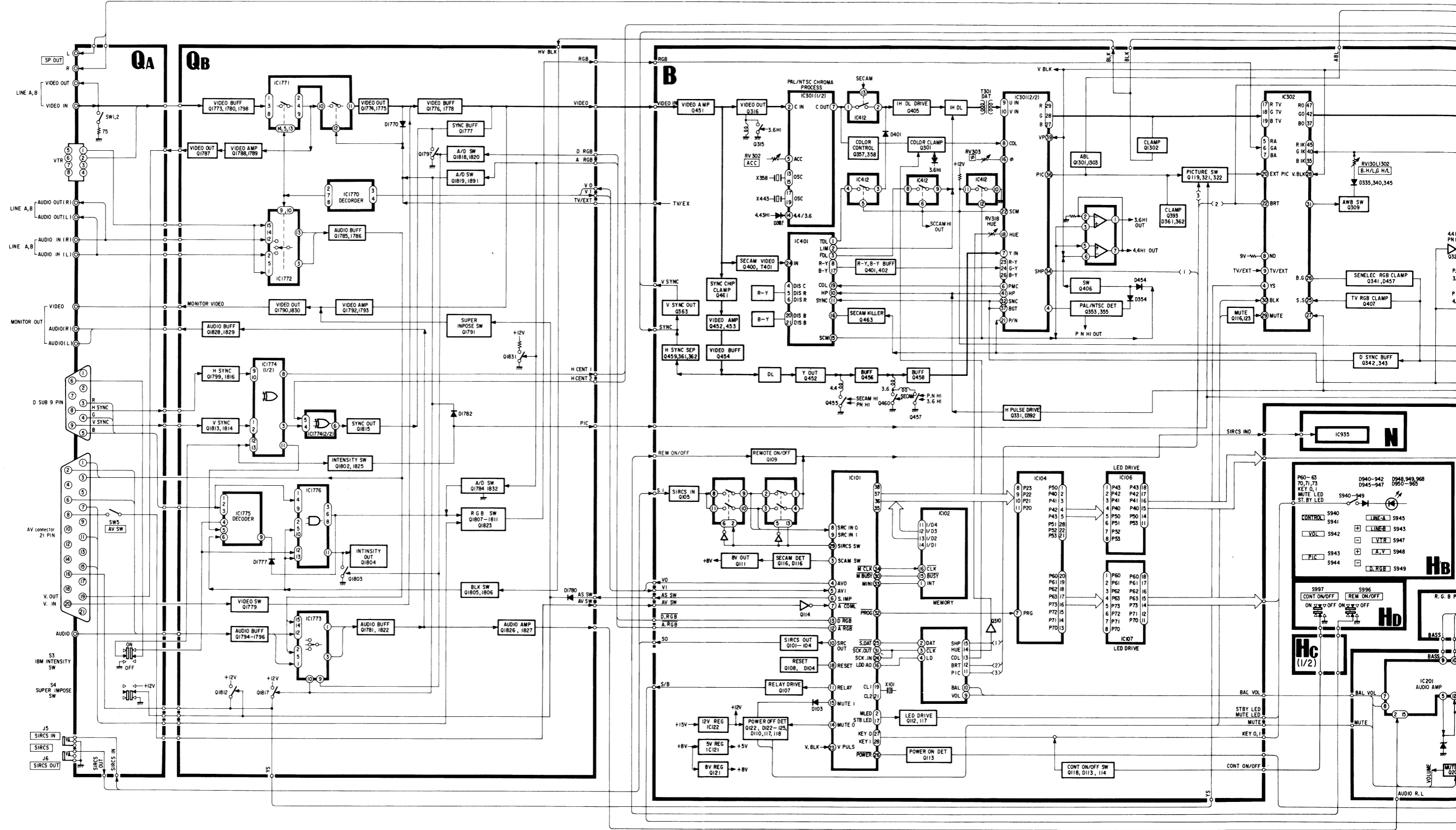
1. Turn the POWER switch ON, and receive entirely white signals and set the PICTURE and BRIGHTNESS control to maximum.
2. Confirm that the voltage of the IC1510 ① pin is more than 15.78V DC when the set is operating normally with 120V AC supply.
3. Adjust ABL current to $1400 \pm 30 \mu\text{A}$ with PICTURE and BRIGHTNESS. (ammeter 3.0mA dc range)
4. Confirm that there is less than 18.35V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of IC1510 ① pin)
5. Adjust ABL current to $210 \pm 3 \mu\text{A}$ with PICTURE and BRIGHTNESS. (ammeter 0.3mA dc range)
6. Confirm that there is less than 19.25V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of IC1510 ① pin)

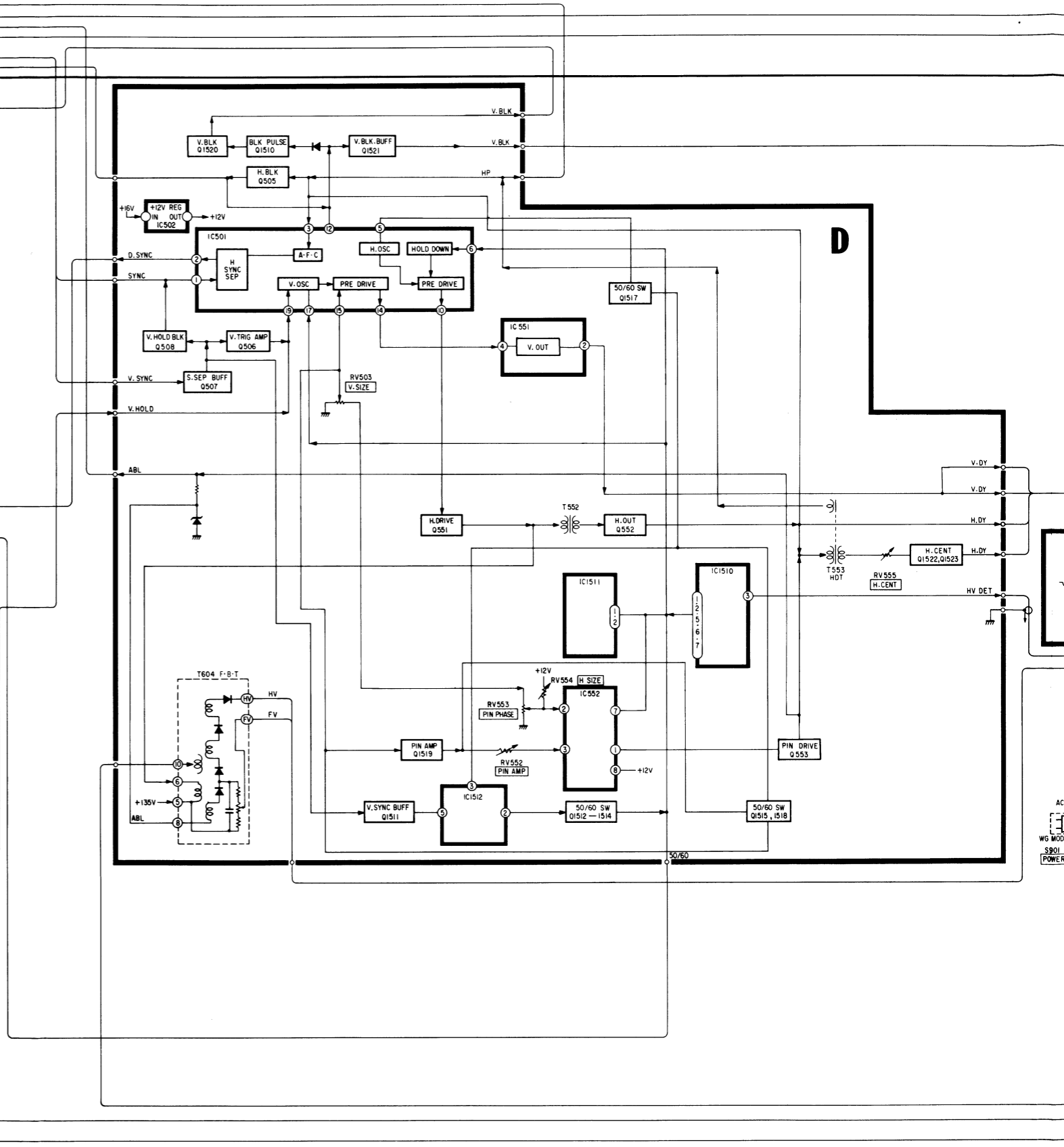
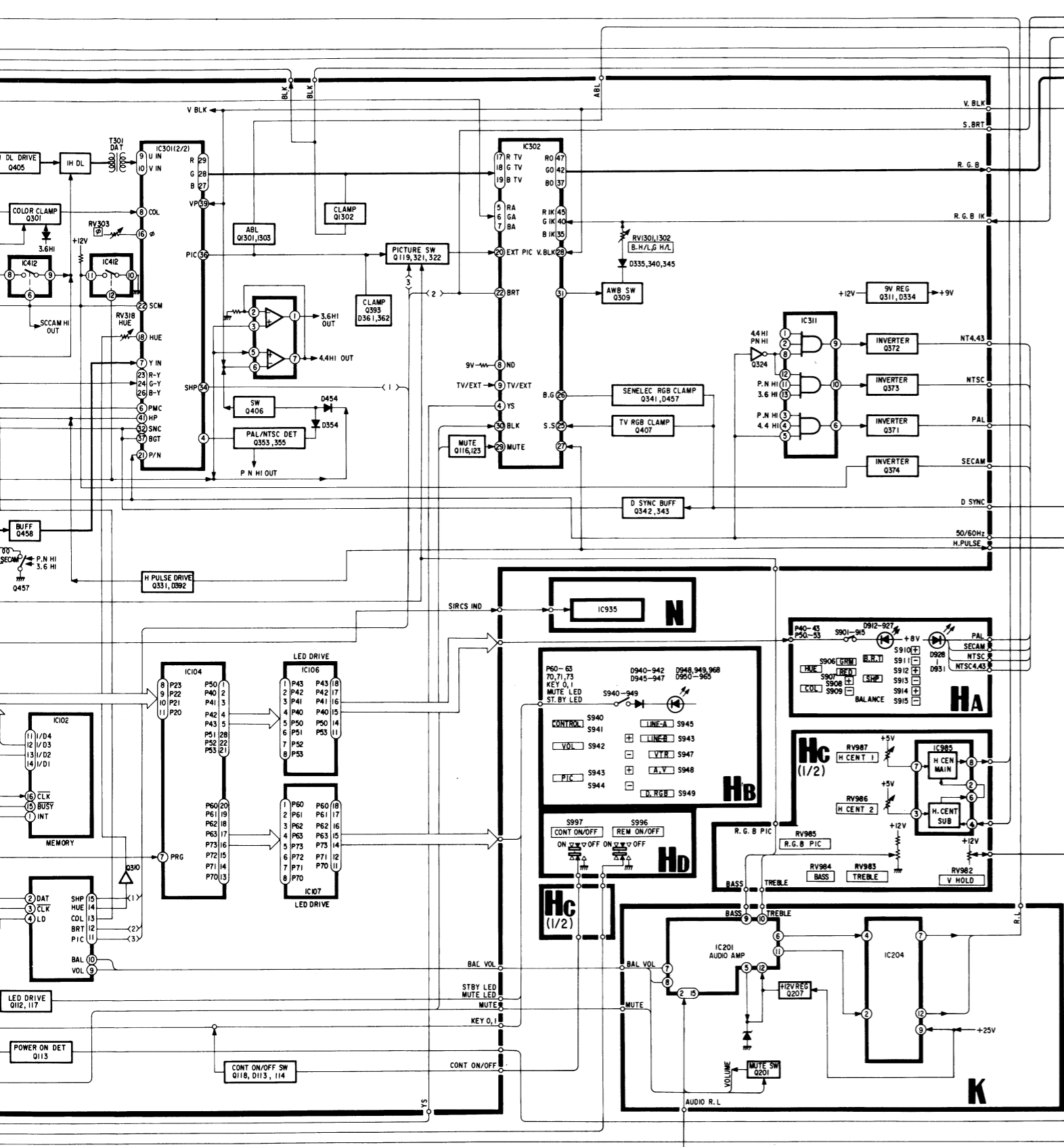
Note: If the hold-down circuit starts operating in the above case, switch OFF the POWER of the set immediately.

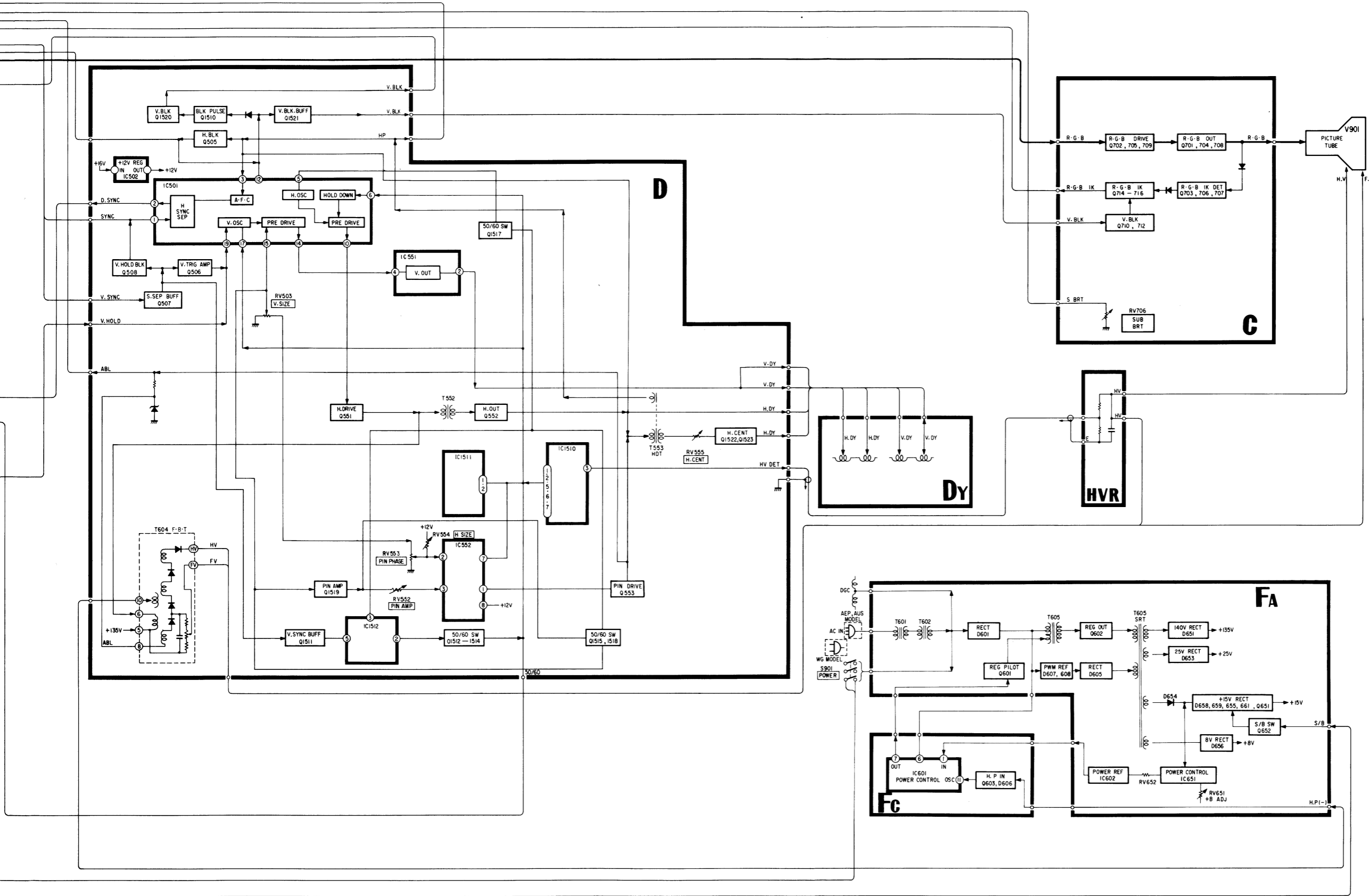
7. If above steps is not satisfied, select resistance value of R597 and repeat above steps 1 through 6.



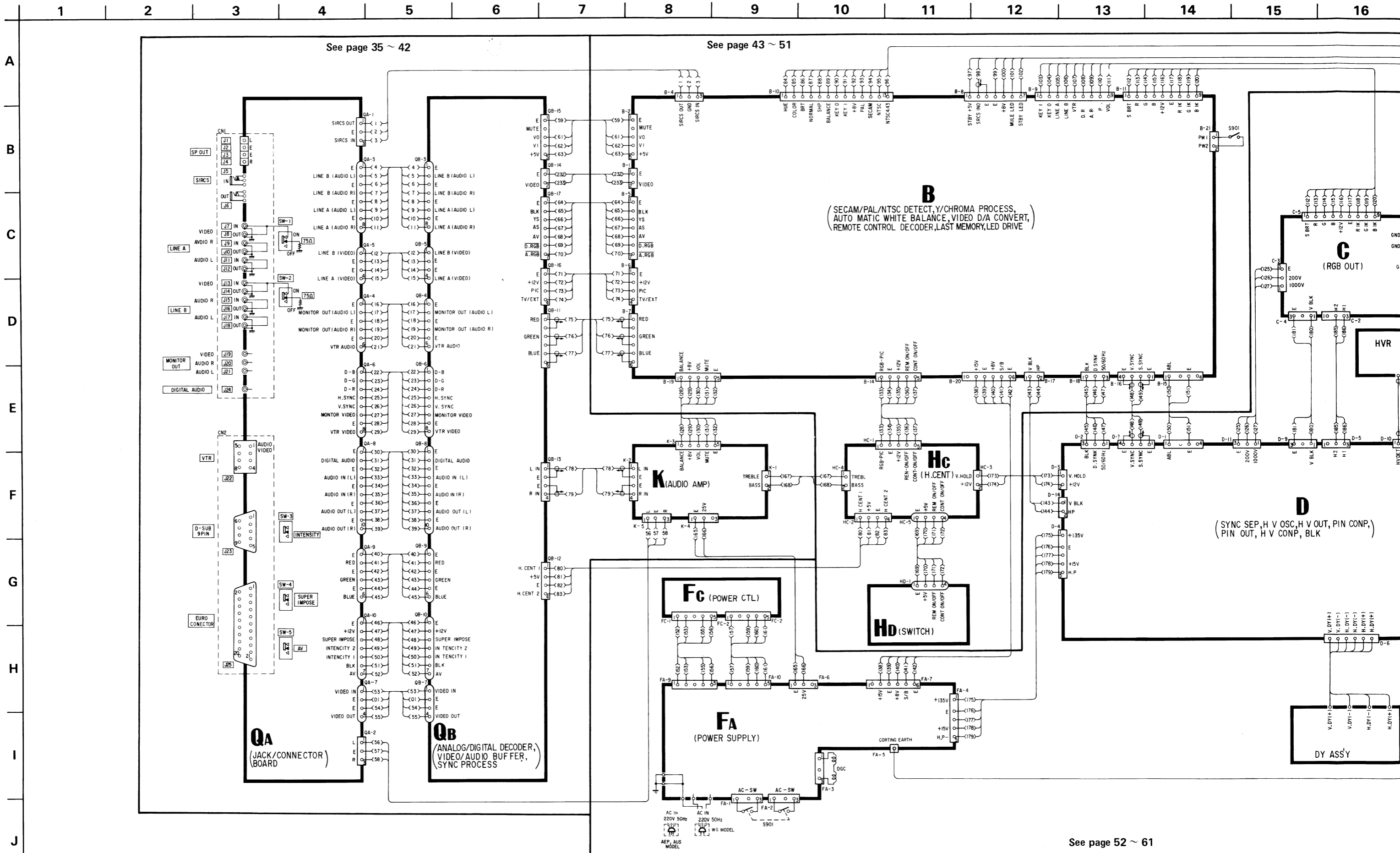
5-2. BLOCK DIAGRAM







5-3. FRAME SCHEMATIC DIAGRAM



See page 35 ~ 42

See page 43 ~ 51

B
(SECAM/PAL/NTSC DETECT, Y/CHROMA PROCESS,
AUTO MATRIC WHITE BALANCE, VIDEO D/A CONVERT,
REMOTE CONTROL DECODER, LAST MEMORY, LED DRIVE)

C
(RGB OUT)

D
(SYNC SEP, H V OSC, H V OUT, PIN COMP,
PIN OUT, H V COMP, BLK)

Fc (POWER CTL)

Hd (SWITCH)

Fa
(POWER SUPPLY)

QA
(JACK/CONNECTOR BOARD)

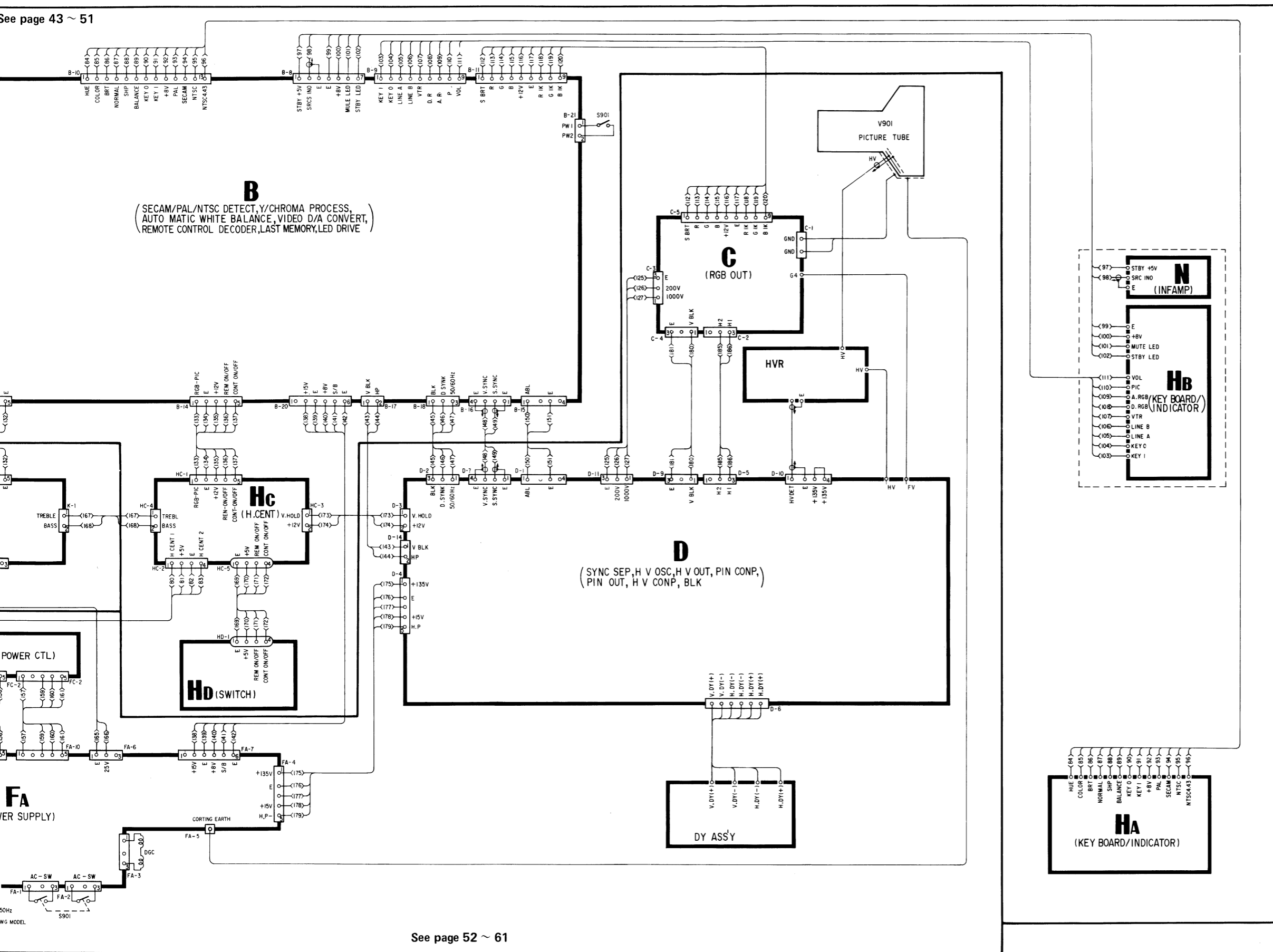
QB
(ANALOG/DIGITAL DECODER,
VIDEO/AUDIO BUFFER,
SYNC PROCESS)

DY ASS'Y

See page 52 ~ 61

9 10 11 12 13 14 15 16 17 18 19 20 21 22

See page 43 ~ 51



See page 52 ~ 61

19 20 21 22

A

B

C

D

E

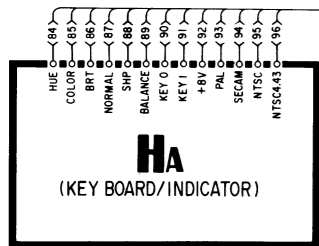
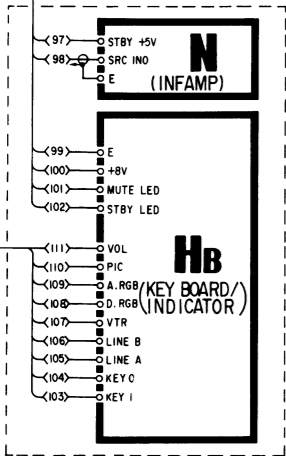
F

G

H







I

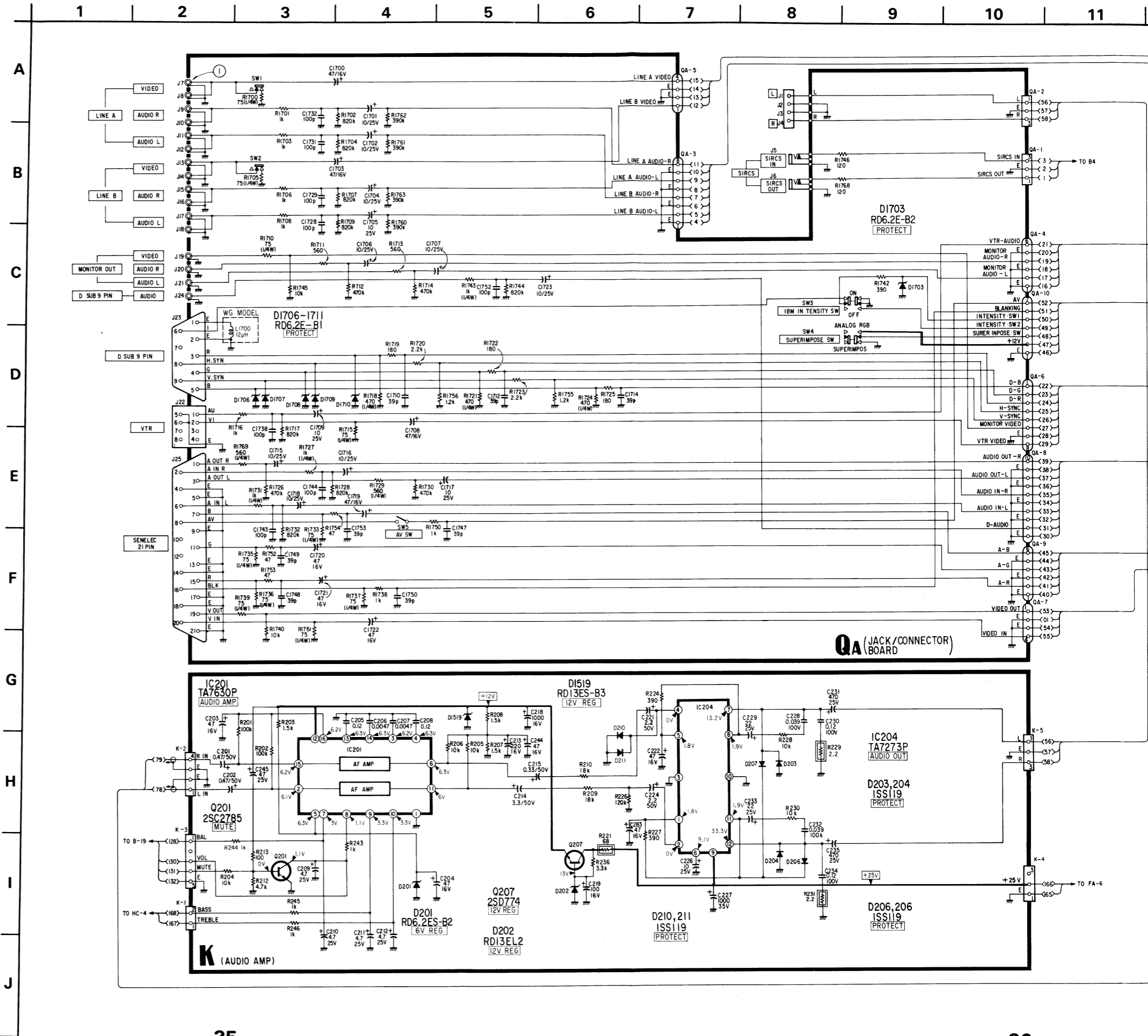
J

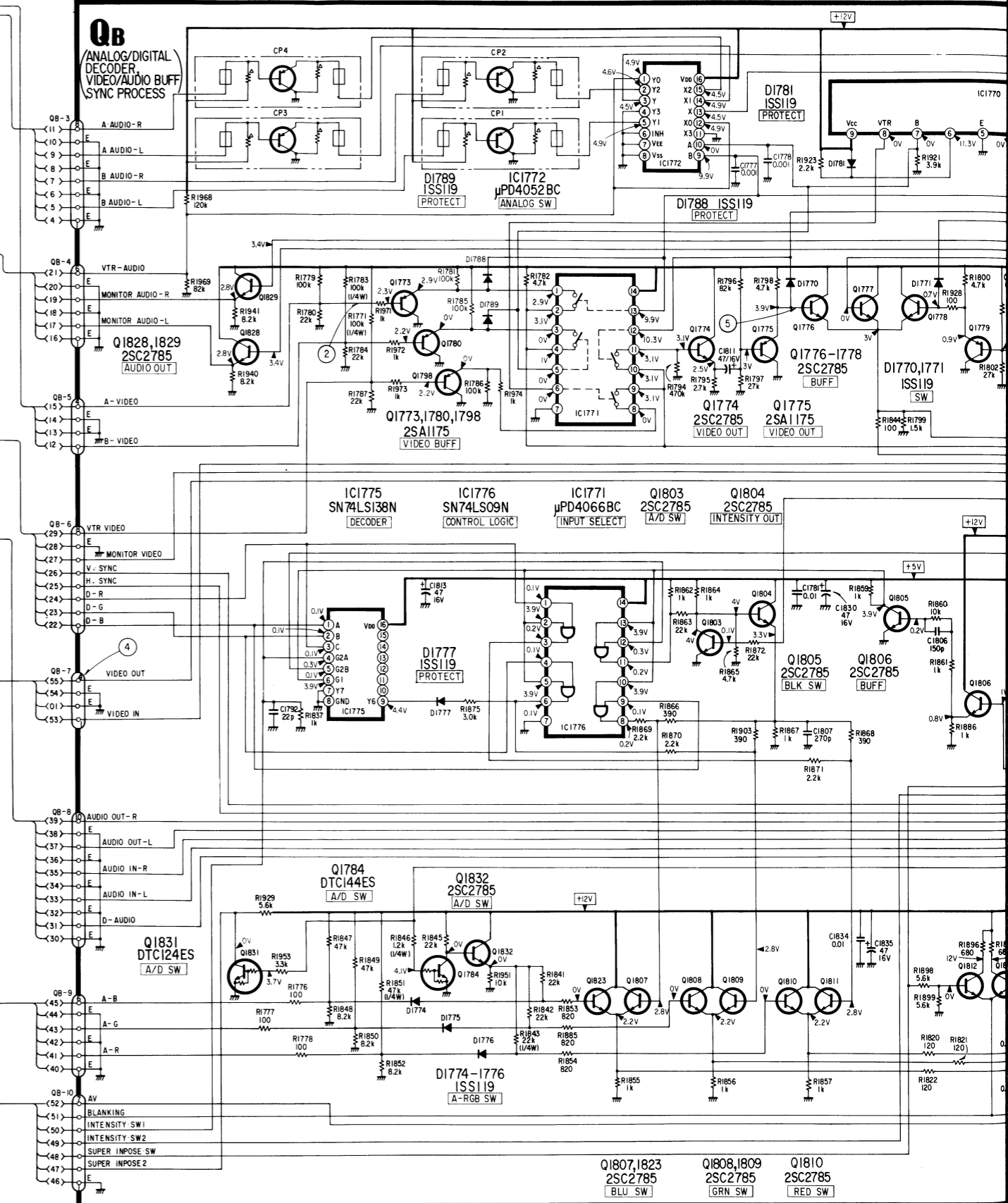
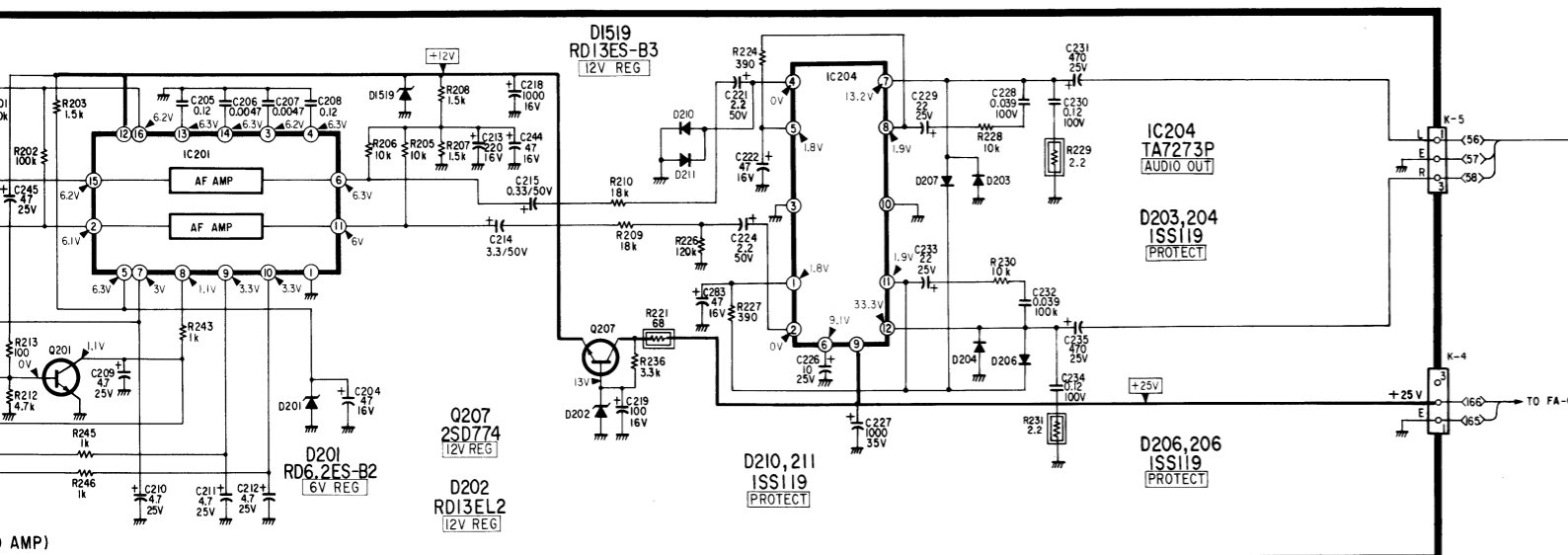
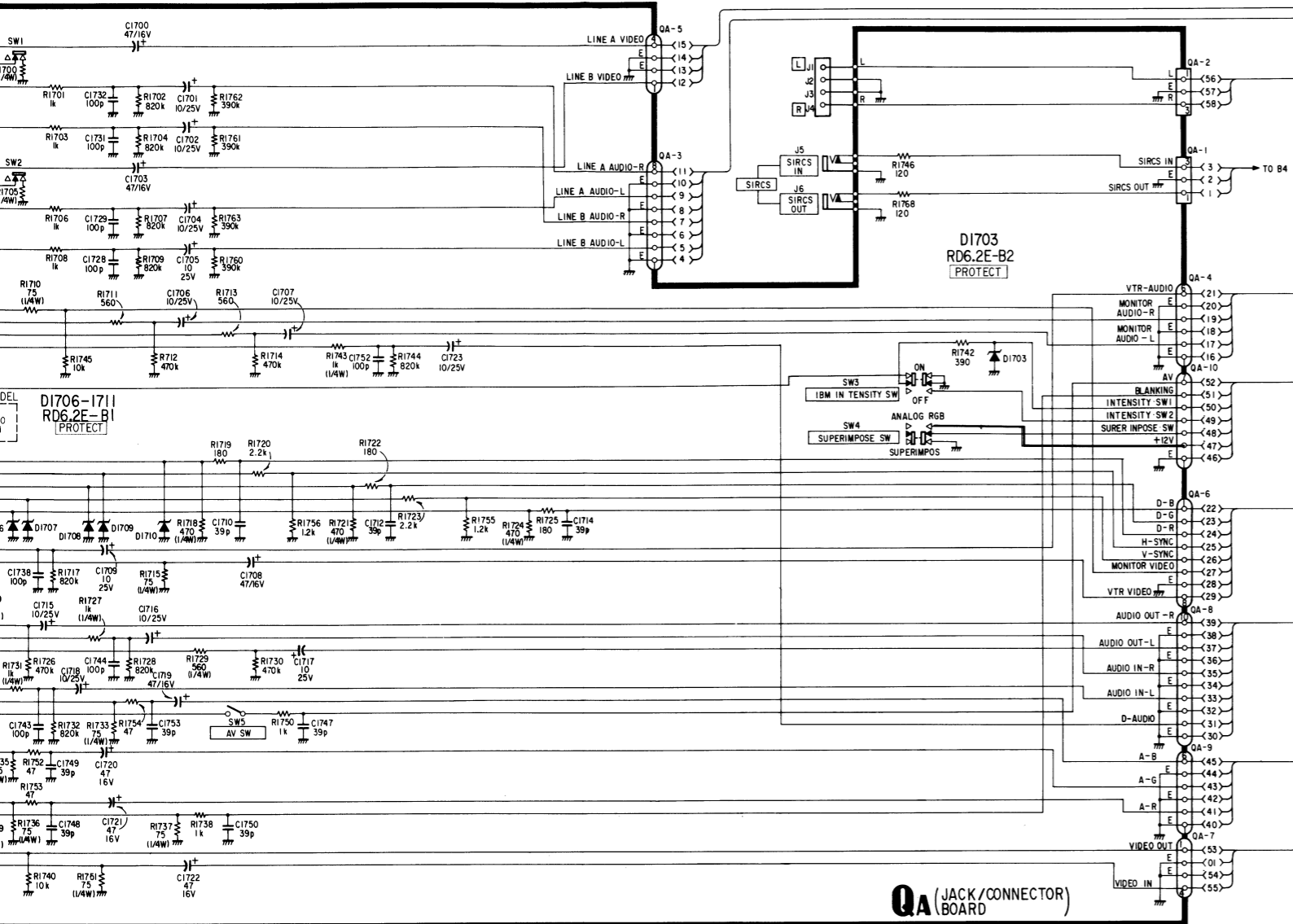


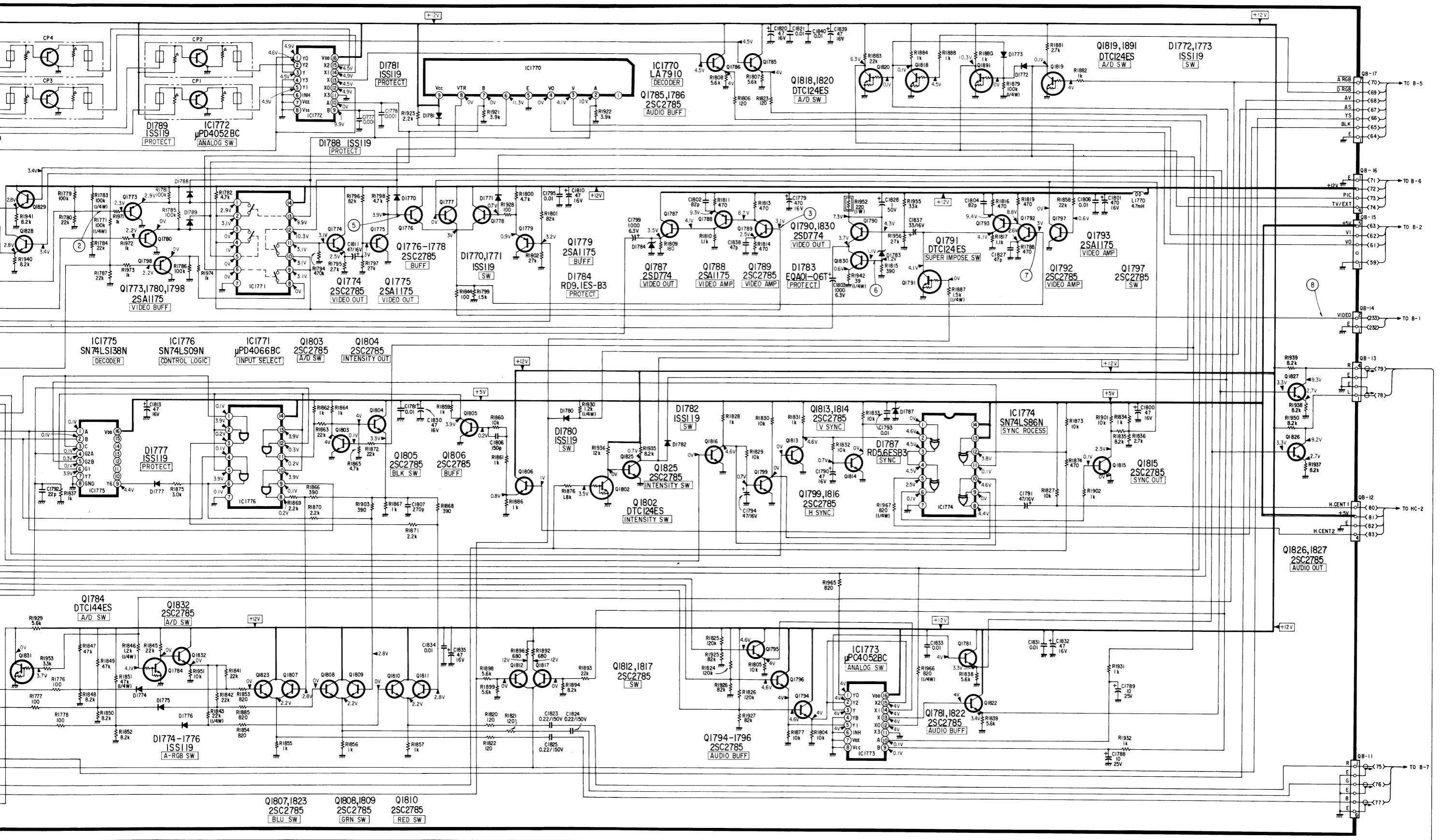
5-4. SCHEMATIC DIAGRAM AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted. 50WV or less are not indicated except for electrolytics. ρ : μF
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. $\text{k}\Omega$: 1000 Ω , $\text{M}\Omega$: 1000 $\text{k}\Omega$
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : nonflammable resistor.
-  : internal component.
-  : panel designation.
-  : adjustment for repair.
-  : B+ bus.
-  : B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10 $\text{M}\Omega$ digital multimeter.
- Voltage variations may be noted due to normal production tolerances.
- Readings are taken with a color-bar-signal input.
- no mark : with PAL color-bar signal received.
- () : with SECAM color-bar signal received.
- < > : with NTSC (3.58) color-bar signal received.
- [] : with NTSC (4.43) color-bar signal received.
- * : Selected to yield optimum performance.







A
B
C
D
E
F
G
H
I
J

QA

ANALOG/DIGITAL DECODER,
VIDEO/AUDIO BUFFER,
SYNC PROCESS.

QB

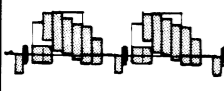

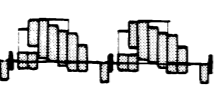
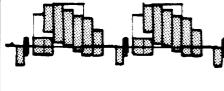
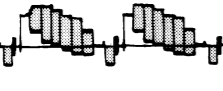





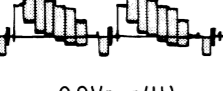
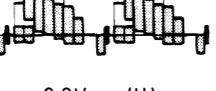
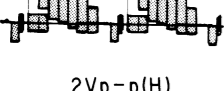
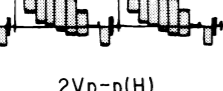
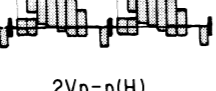
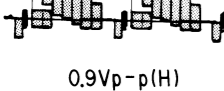
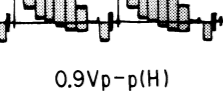
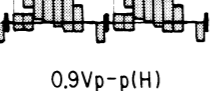
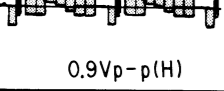
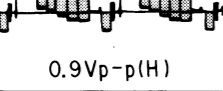
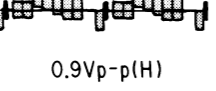
QB

QA

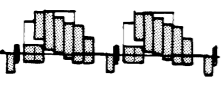
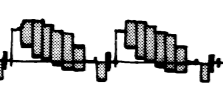
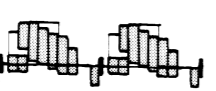
[JACK/CONNECTOR]

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

【QB BOARD】

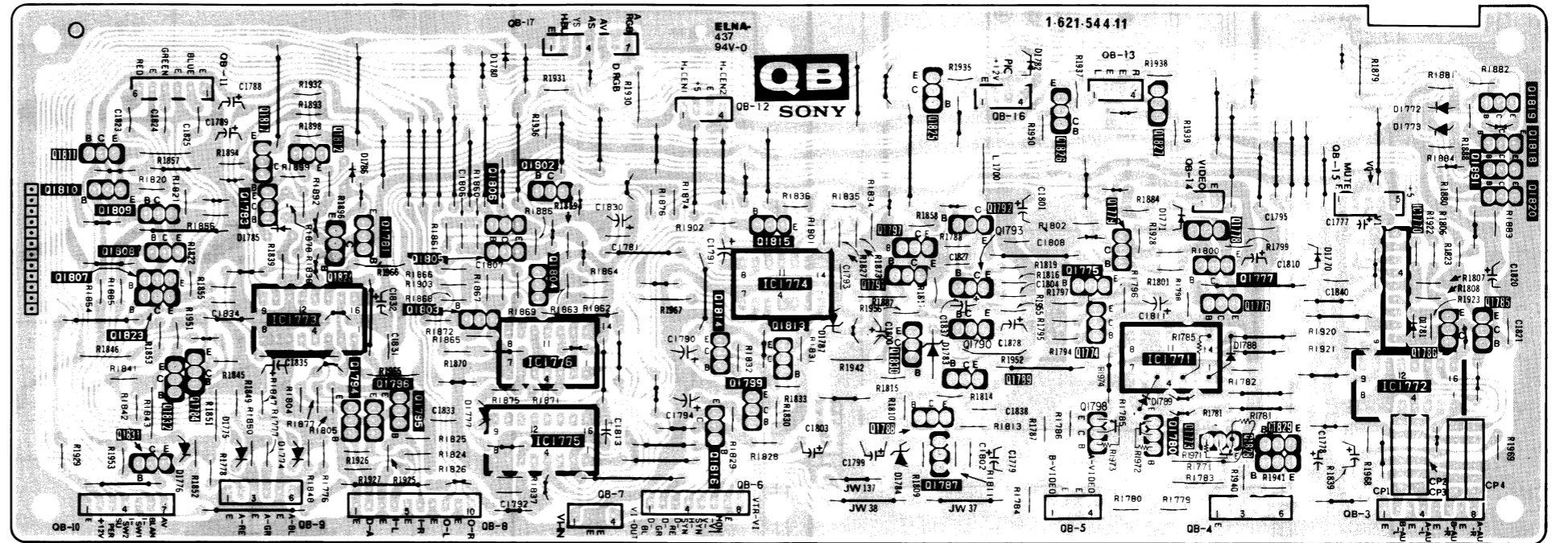
	PAL	SECAM	NTSC 3.58 4.43
B	② Q1773 B  1Vp-p(H)	 1Vp-p(H)	 1Vp-p(H)
C	③ Q1789 B  1Vp-p(H)	 1Vp-p(H)	 1Vp-p(H)
D	④ QB-7 ④  2Vp-p(H)	 2Vp-p(H)	 2Vp-p(H)
E	⑤ Q1776 B  0.9Vp-p(H)	 0.9Vp-p(H)	 0.9Vp-p(H)
F	⑥ Q1830 C  2Vp-p(H)	 2Vp-p(H)	 2Vp-p(H)
G	⑦ Q1792 B  0.9Vp-p(H)	 0.9Vp-p(H)	 0.9Vp-p(H)
H	⑧ QB-14 ②  0.9Vp-p(H)	 0.9Vp-p(H)	 0.9Vp-p(H)

【QA BOARD】

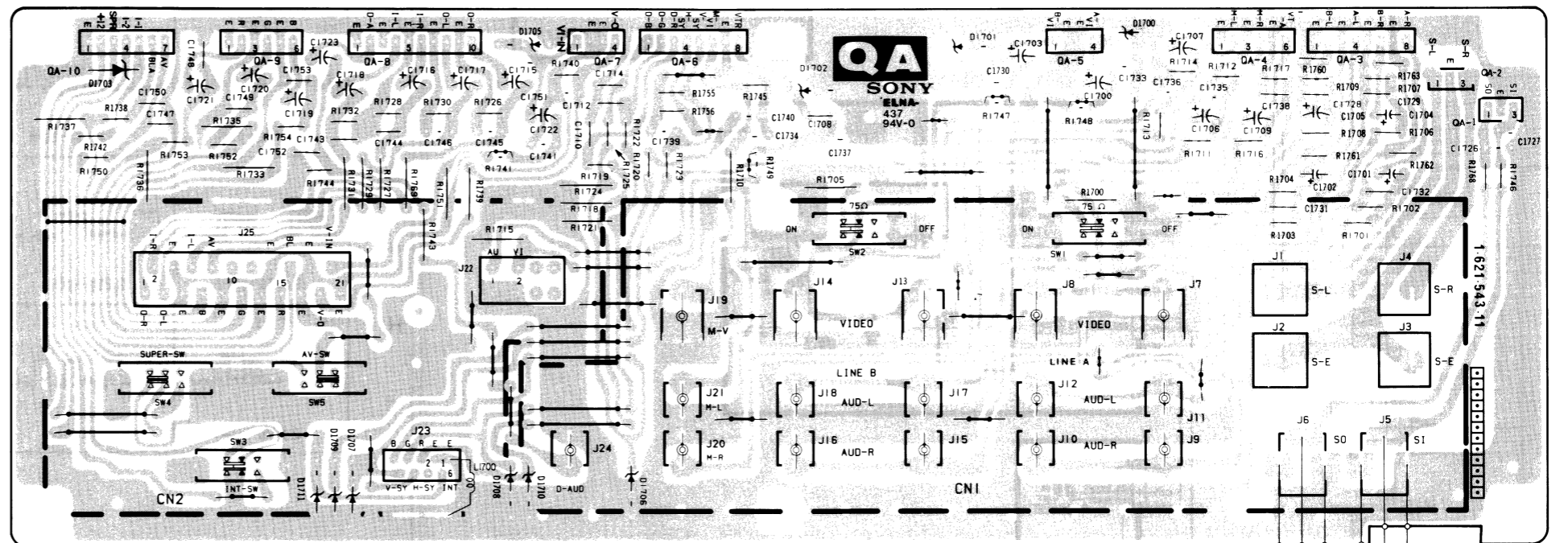
J	① LINEA J7  1Vp-p(H)	 1Vp-p(H)	 1Vp-p(H)
---	---	---	---

QA Board

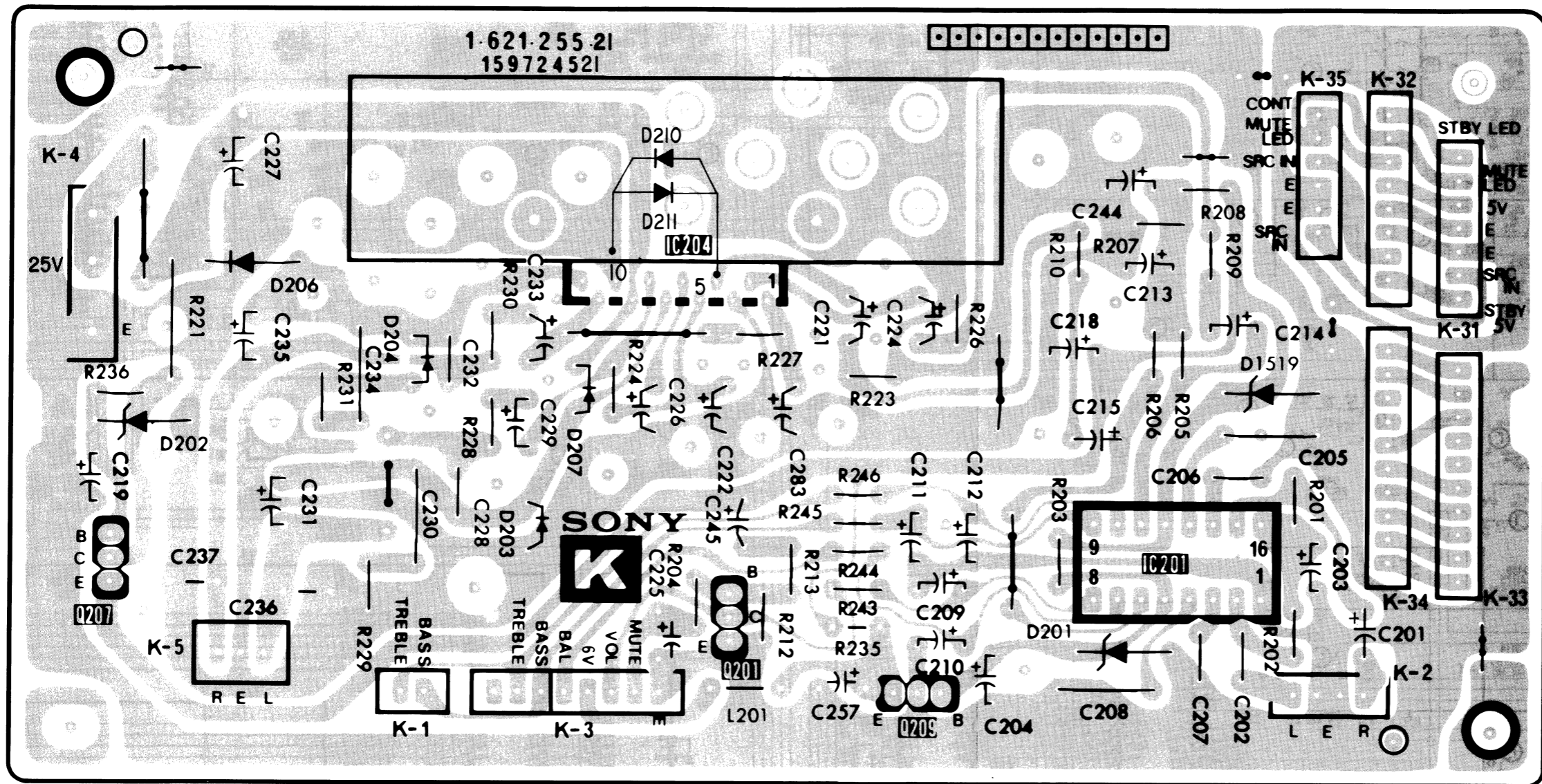
IC	1811	1810	1809	1808	1823	1817	1812	1822	1781	1796	1795	1806	1802	1815	1825	1792	1826	1827	1778	1777	1819	IC1770	1818	IC	
Q			1807	1808	1832, 1784	IC1773	1794		1794	1795	1803	1805	1804	IC1774	1814	1797	1775	1779	1774	1776	1776	1829	IC1772	1785	Q
D	1703		1776		1775	1774	1709	1707			1777, 1708, 1710		1706		1787	1784	1782		1771		1770	1772	1773	D	



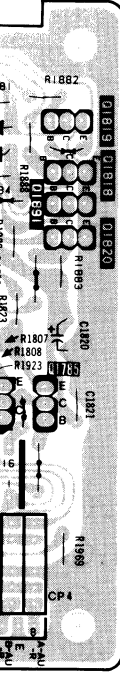
QB Board

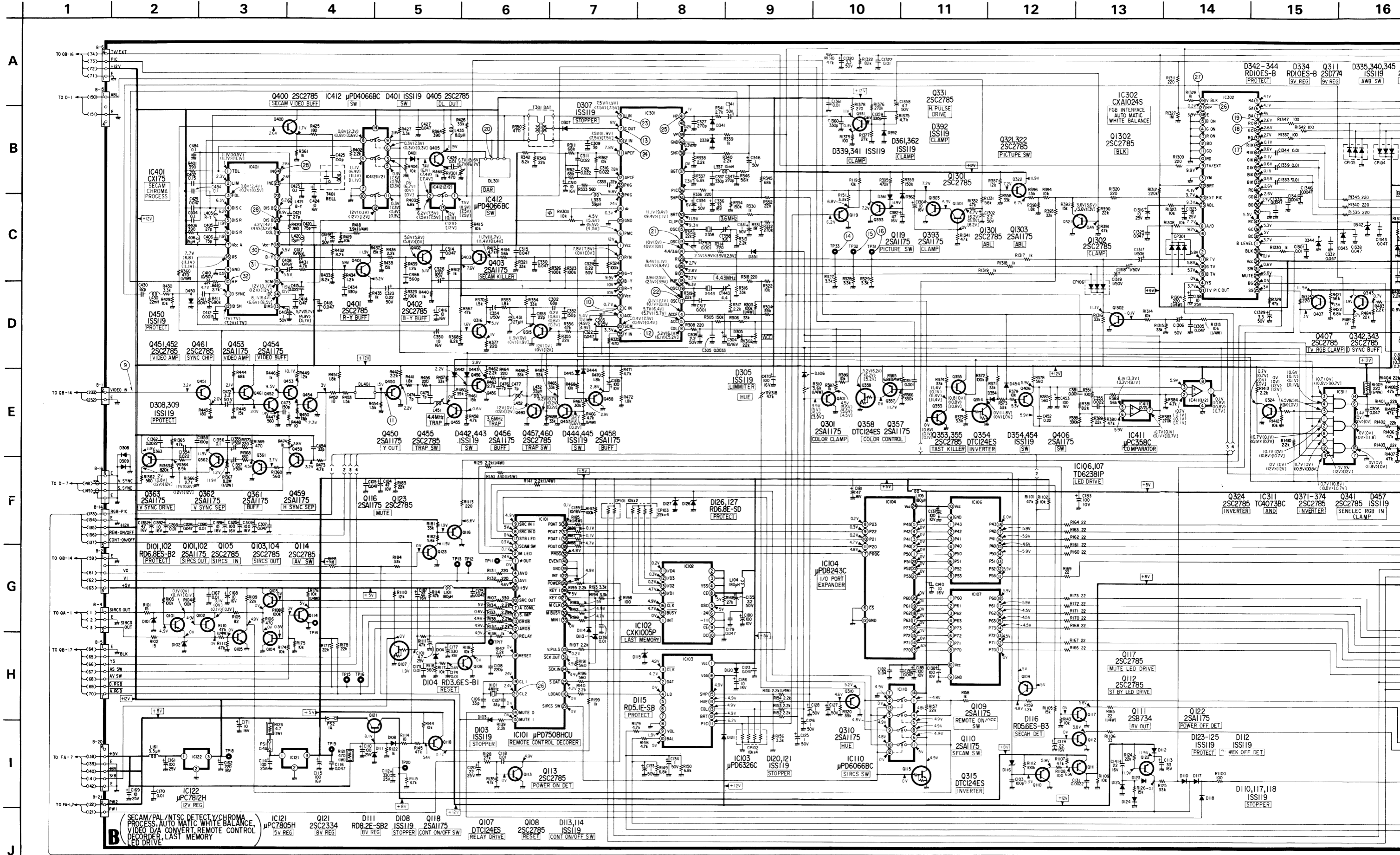


K Board

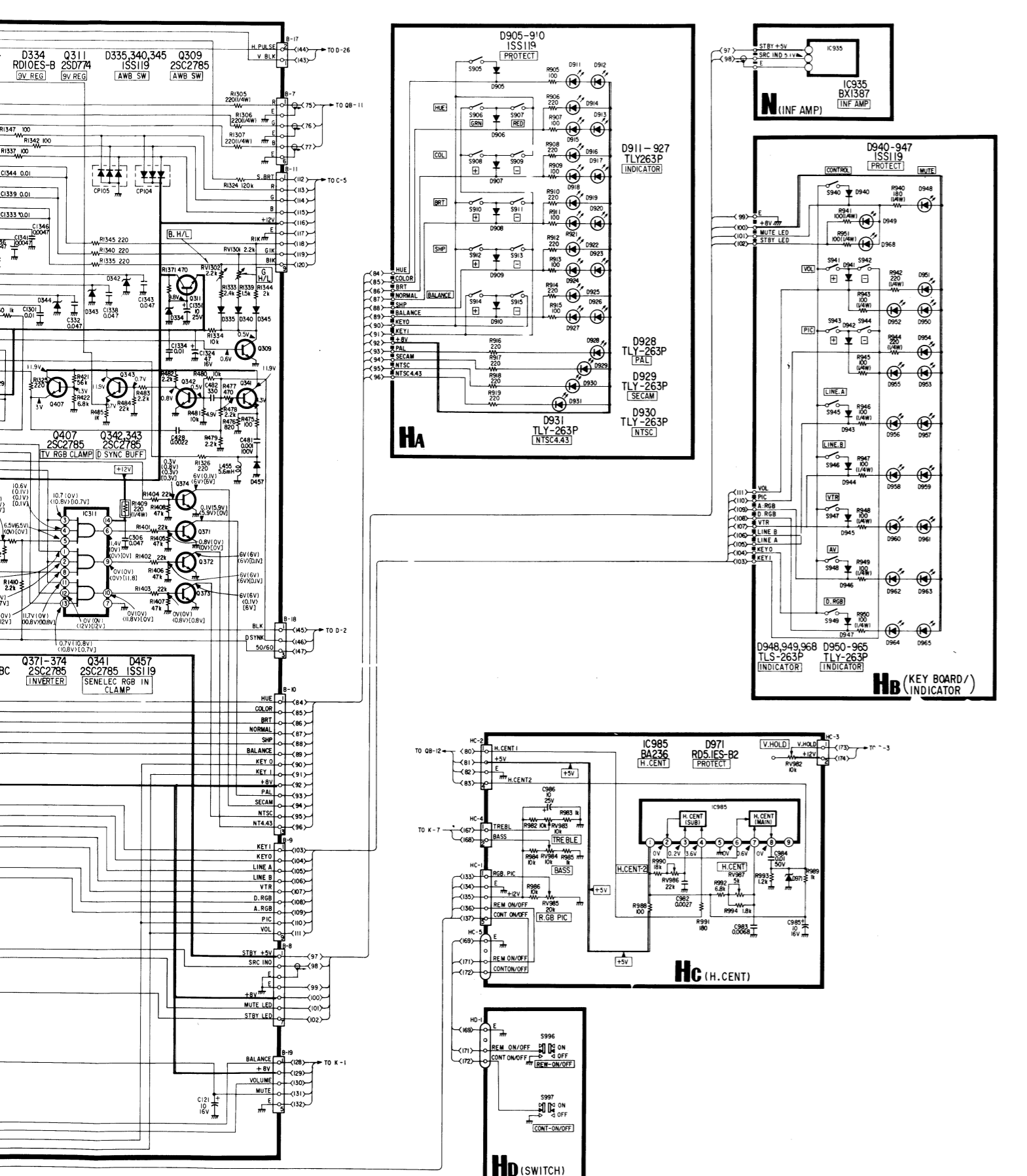


1819	IC	
1818	Q	
1785	1891	1820
1786	1891	1820
72	D	
73	D	





15 16 17 18 19 20 21 22 23



[B BOARD]

	PAL	SECAM	NTSC 3.58 4.43	PAL	SECAM	NTSC 3.58 4.43
A	9 Q451B			17 IC302 47		
B	0.9Vp-p (H)	0.9Vp-p (H)	0.9Vp-p (H)	3.6Vp-p (H)	3.8Vp-p (H)	3.6Vp-p (H)
C	10 IC301 2			18 IC302 42		
D	0.8Vp-p (H)	0.5Vp-p (H)	3.58, 0.9Vp-p (H) 4.43, 0.8Vp-p (H)	3.2Vp-p (H)	3.2Vp-p (H)	3.2Vp-p (H)
E	11 Q450B			19 IC302 37		
F	1.1Vp-p (H)	1.1Vp-p (H)	1.1Vp-p (H)	3.5Vp-p (H)	3.2Vp-p (H)	3.5Vp-p (H)
G	12 IC301 38			20 DL301 2		
H	0.9Vp-p (H)	0.9Vp-p (H)	0.9Vp-p (H)	0.15Vp-p (H)	0.2Vp-p (H)	3.58 - 0.28Vp-p (H) 4.43 - 0.23Vp-p (H)
I	13 IC301 7			21 IC301 13		
J	0.2Vp-p (H)	0.34Vp-p (H)		1.4Vp-p (3.58MHz)	2.2Vp-p (H)	SECAM 0.18Vp-p (H)
	14 TP33			22 IC301 17		
	3.9Vp-p (H)	2.8Vp-p (H)	3.9Vp-p (H)	1.9Vp-p (4.43MHz)	6.2Vp-p (H)	SECAM 2Vp-p (H)
	15 TP32			23 IC301 9		
	2.6Vp-p (H)	2.2Vp-p (H)	2.6Vp-p (H)	PAL 0.23Vp-p (H)	3.6Vp-p (H)	SECAM 2Vp-p (H)
	16 TP31			24 IC301 10		
	2.8Vp-p (H)	3.1Vp-p (H)	2.8Vp-p (H)	PAL 0.27Vp-p (H)	SECAM 0.36Vp-p (H)	1.5Vp-p (H)
				25 IC301 41		
				2.2Vp-p (H)		
				26 IC302 27		
				6.2Vp-p (H)		
				27 IC302 28		
				3.6Vp-p (H)		
				28 IC401 24		
				0.36Vp-p (H)		
				29 IC401 20		
				SECAM 0.18Vp-p (H)		
				30 IC401 17		
				SECAM 2Vp-p (H)		
				31 IC401 8		
				SECAM 2Vp-p (H)		
				32 IC401 10		
				1.5Vp-p (H)		

SECAM/PAL/NTSC DFTFCT, Y/CHROMA PROCESS
AUTOMATIC WHITE BALANCE, VIDEO D/A CONVERT
REMOTE CONTROL DECODER, LAST MEMORY,
LED DRIVE.

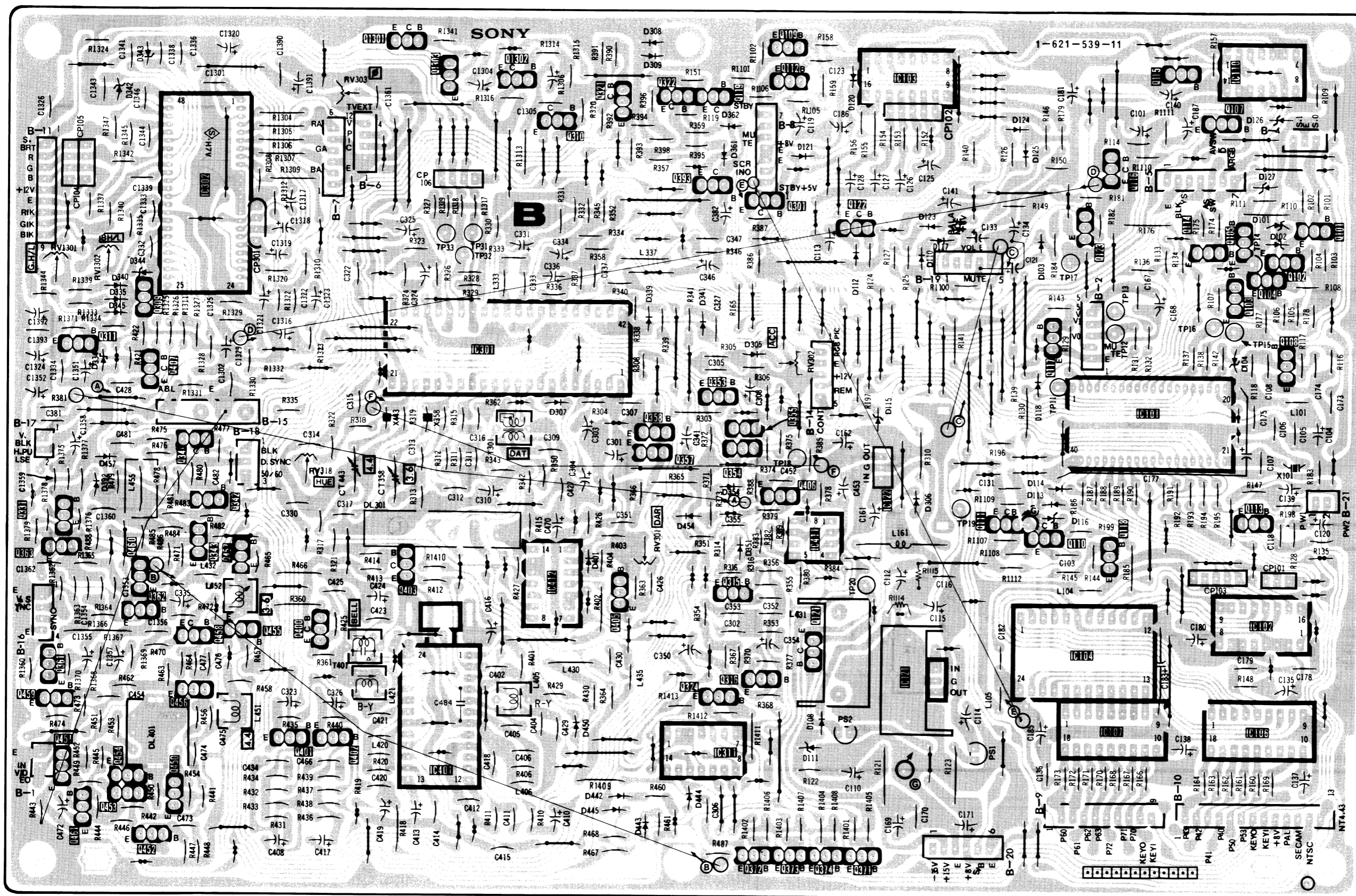
B

B

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

B Board

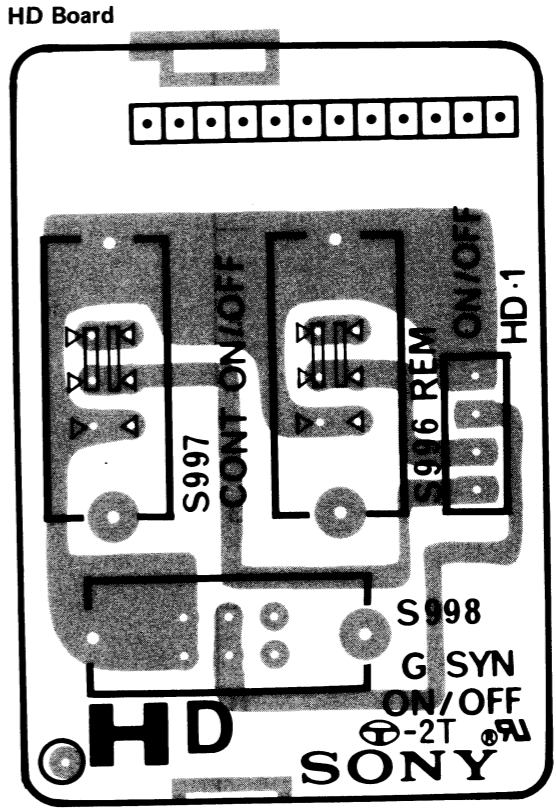
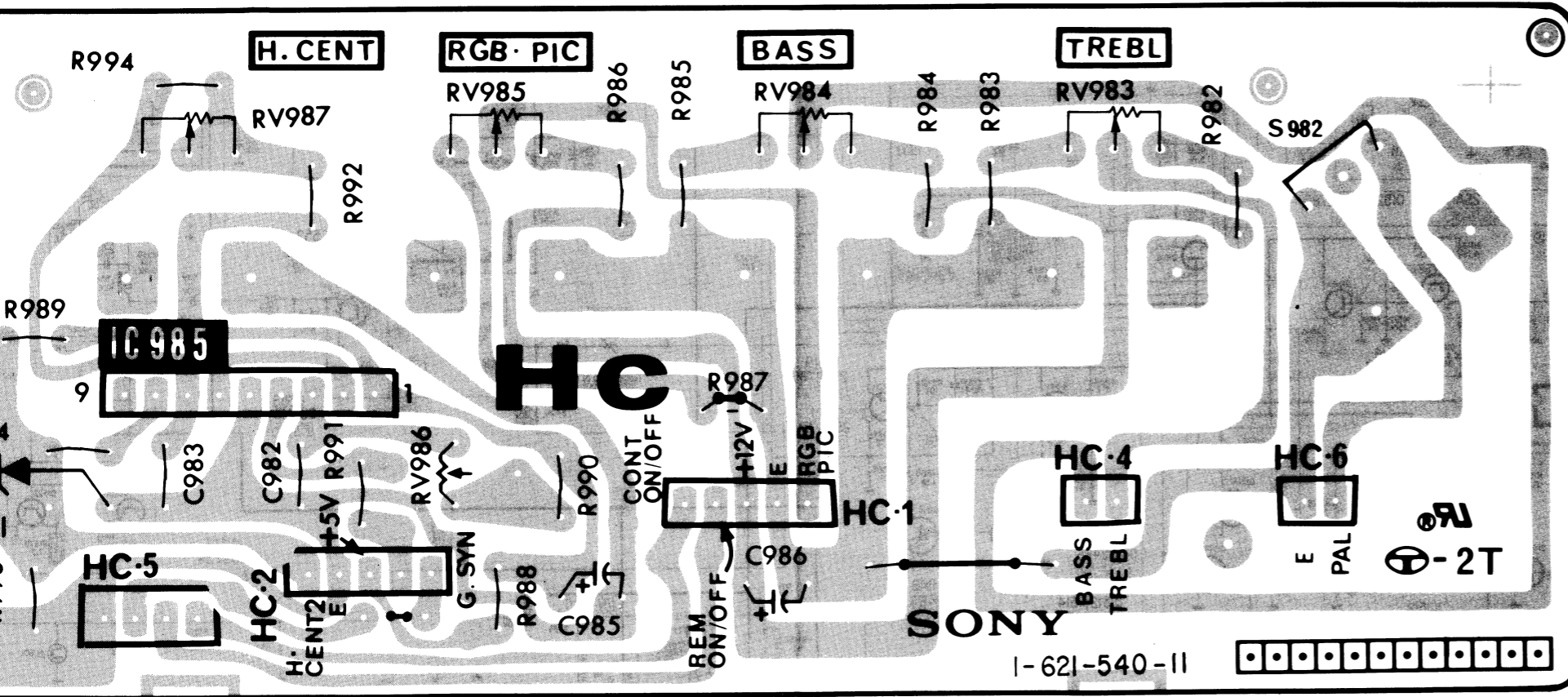
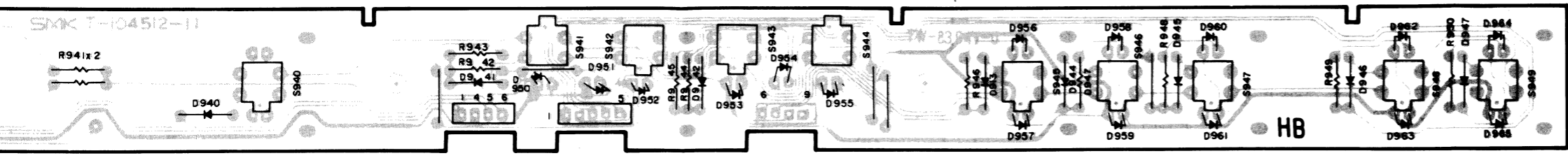
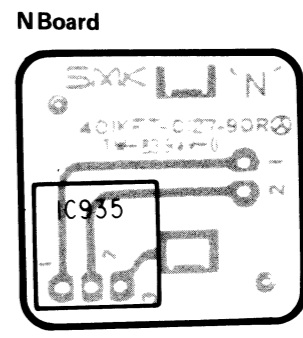
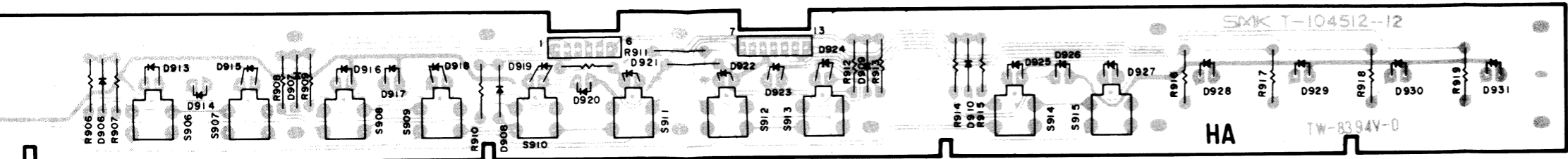
A
B
C
D
E
F
G
H
I
J



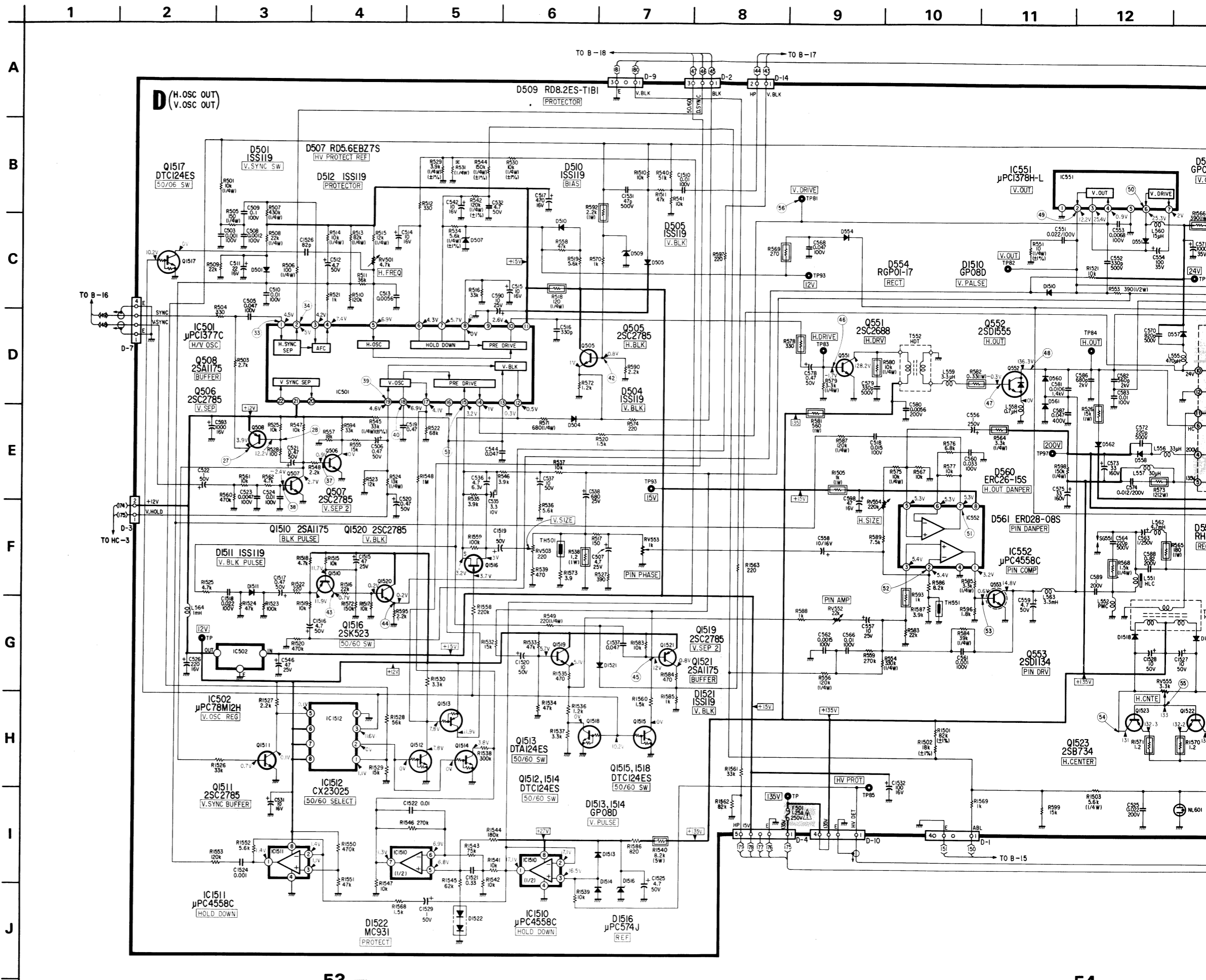
IC	Q	D	ADJ	TP
1301	109	308		
	IC110	343		
	115	309		
1303	IC103	120		
1302	112	342		
321,322				
119,107		362,126	RV303	
310		124		
		361,125		
		121		
		116		
393		127		
IC302	301			
		101		
122,123	101	123	RV1301	31
105		117,102		17
114		103	RV1302	14
		112		33
		110		32
104		344		
103		340		
		335		
		345		
309		339		13
		117		16
		341		15
		12		12
IC301	108	305,104	RV302	
311		334,118		
407	353	307		11
	IC101	115		
		358,355		
		357,354		
	IC122	457	CT443	18
		354	CT358	
341	406	392,114	RV318	
		306		
		454,113		19
		116		
342	111			
331	IC411	110		
343				
363,457		118		
460	403	401	RV301	20
	IC412			
	405,315			
362	IC102			
400	IC104			
455				
458	121			
361	IC121			
		316		
		324		
459,456				
IC401	IC106	450	108	
401	IC107	111		
402				
	IC311			
451				
454				
453				
450		442,444		
461		445,443		
452				
		372,373		
		374,371		

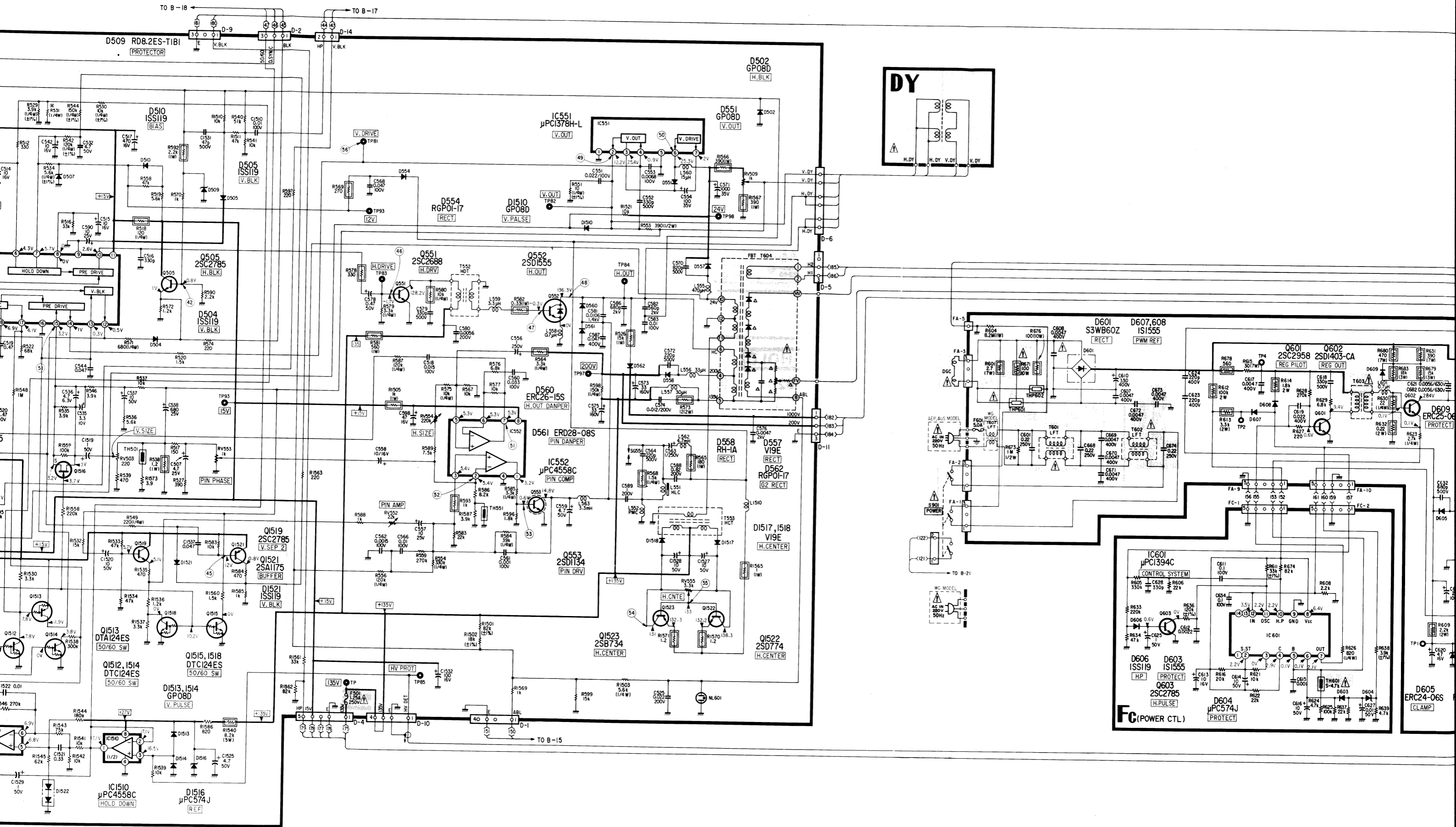
Y BOARD INDICATOR.] **HB** [KEY BOARD INDICATOR.] **HA** **HA** **HB** **HC** **HD** [SWITCH.] **N** [INF AMP.]

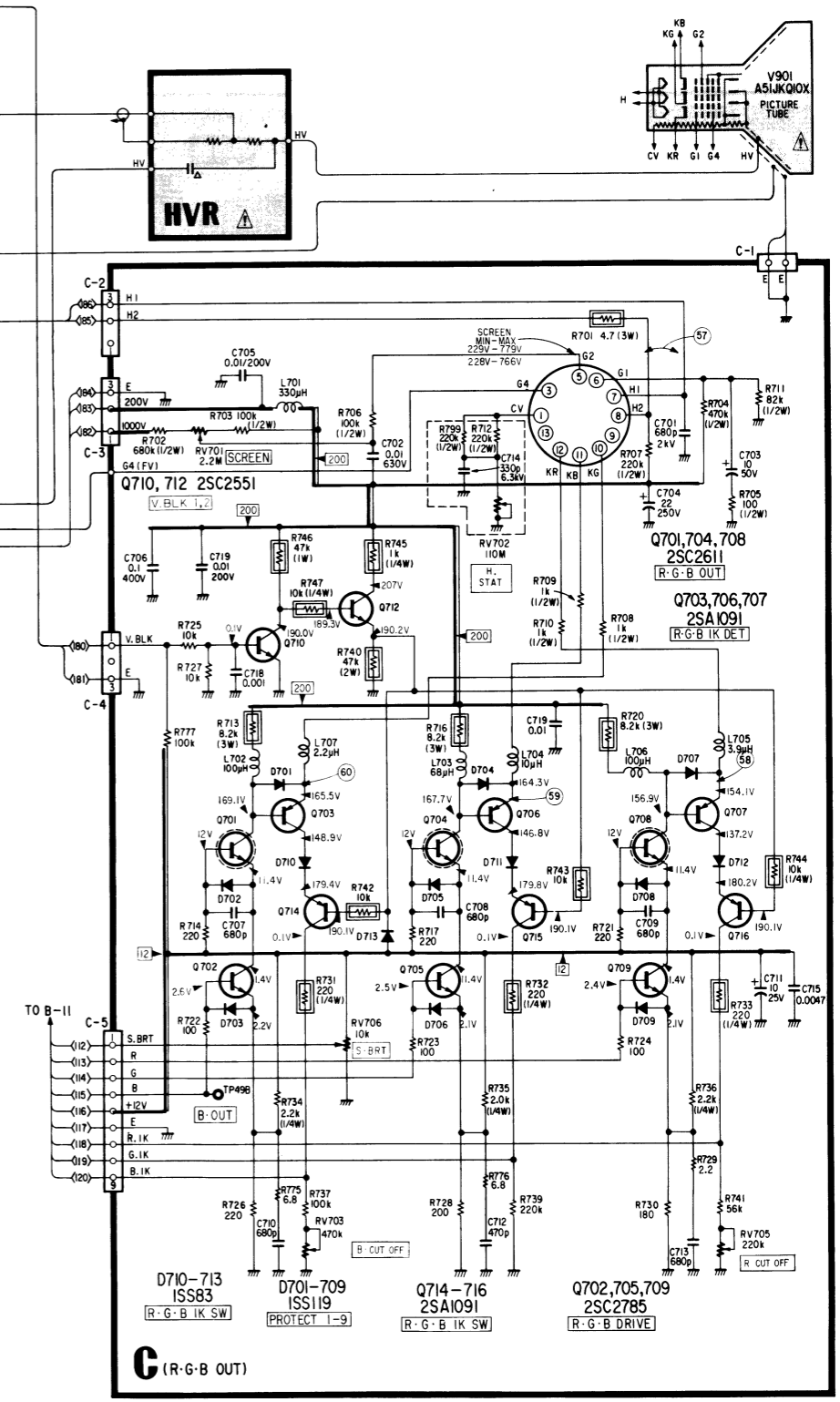
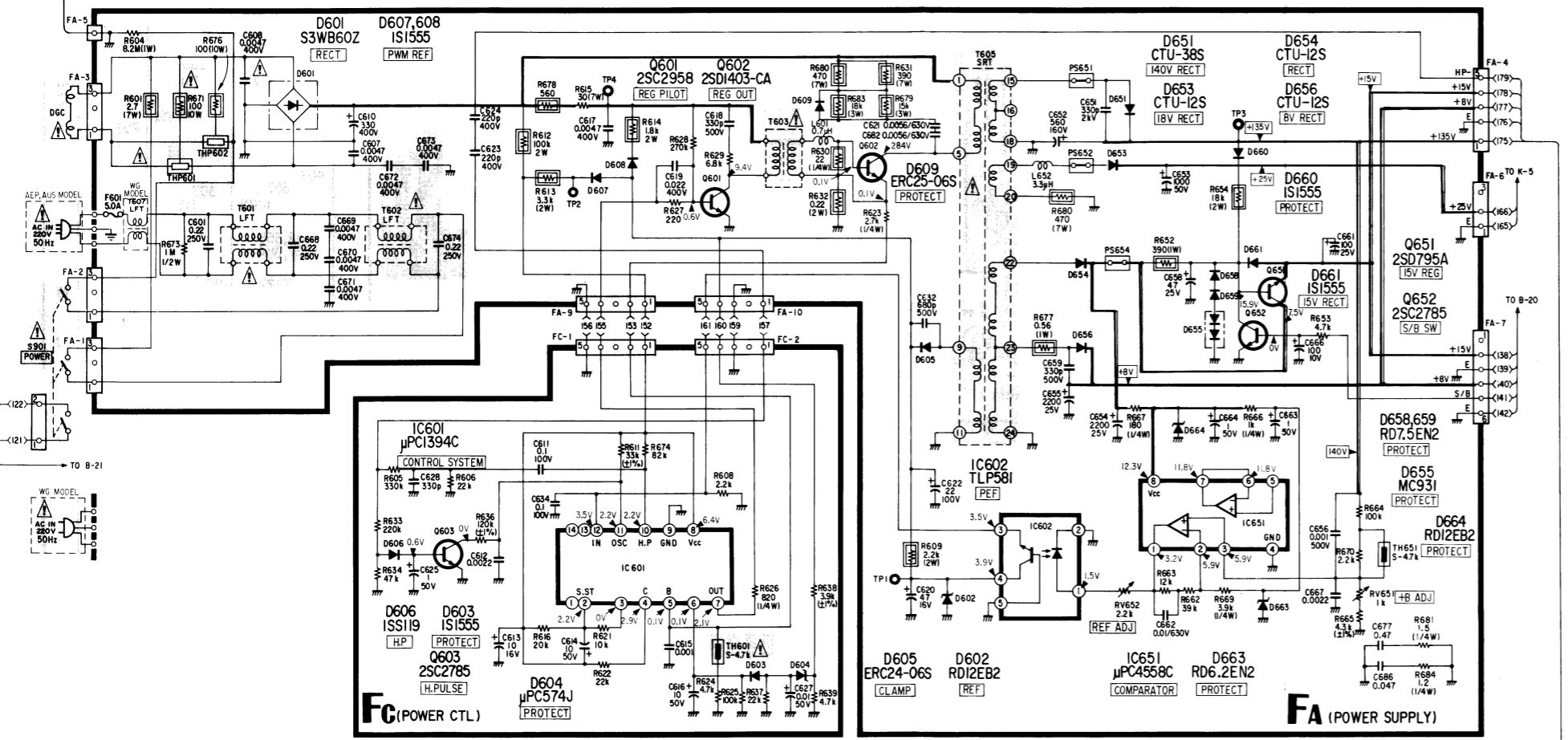
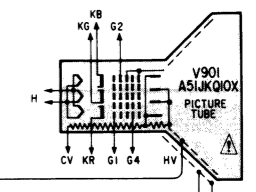
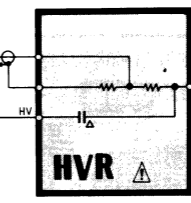
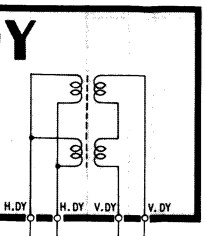
19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34



A
B
C
D
E
F
G
H
I
J



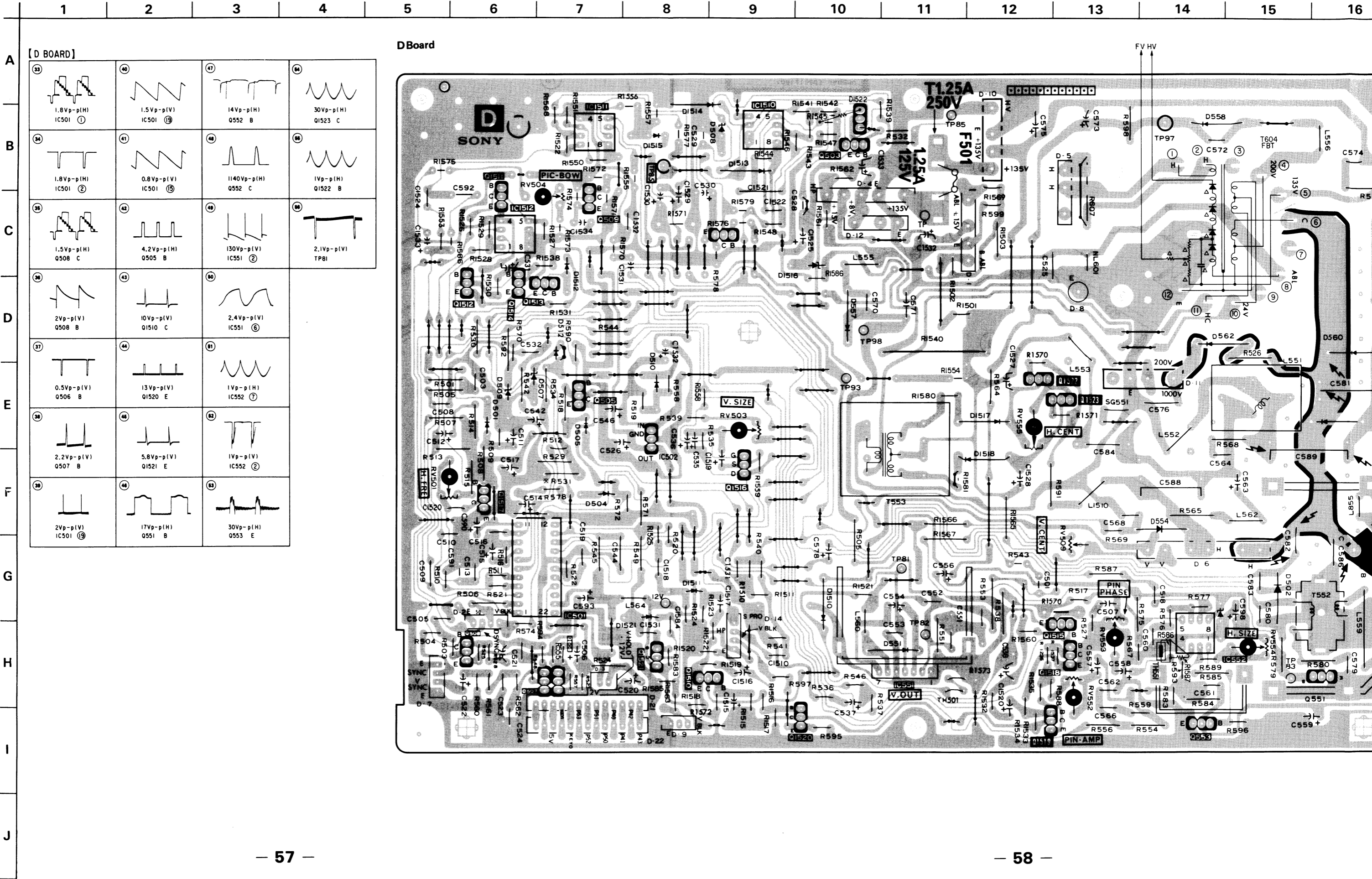




[SYNC SEP, H/V OSC, H/S OUT
PIN CONP, PIN OUT, H/V CONP, BLK.]

D

D

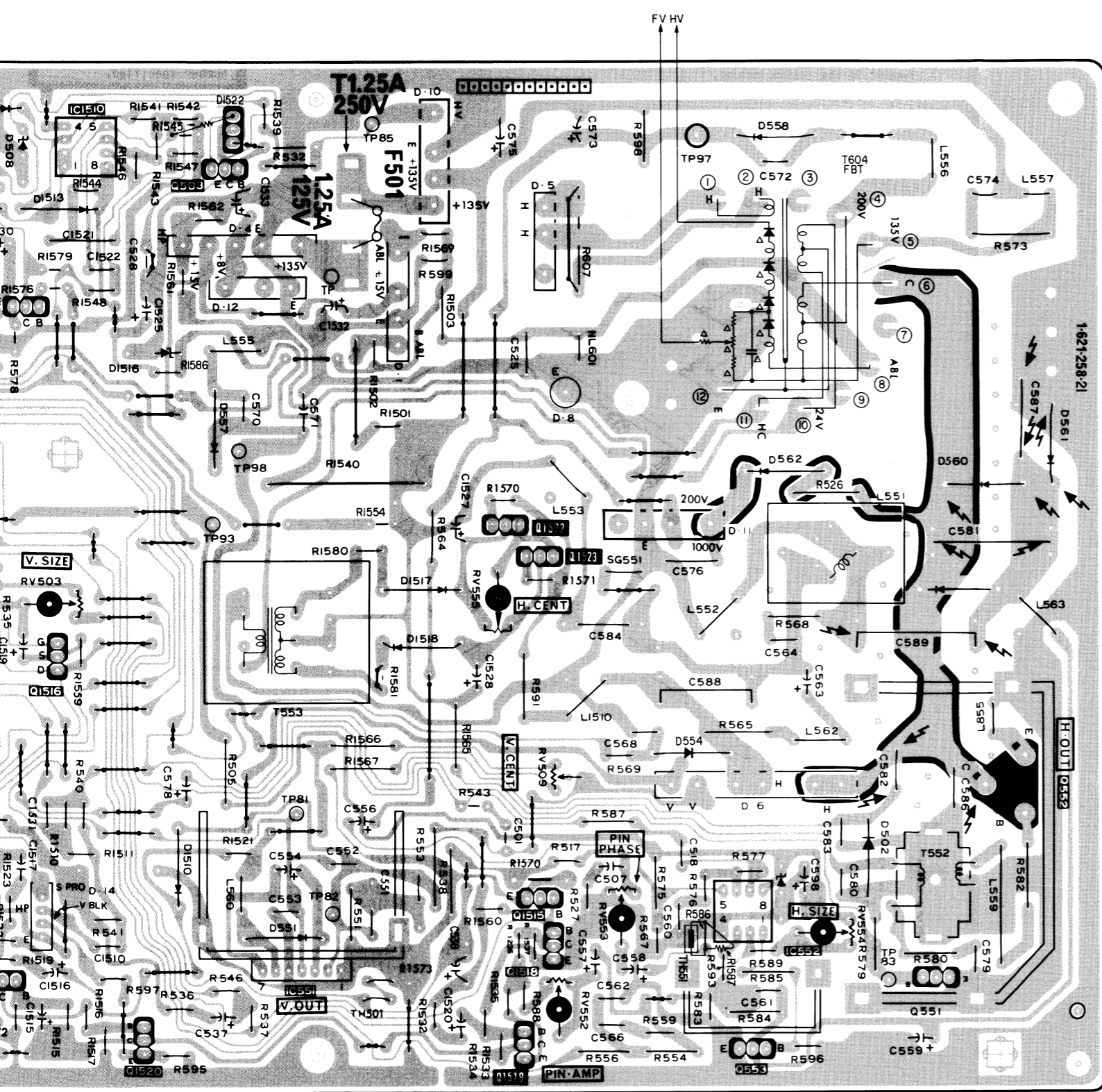


D

[RGB OUT.] C

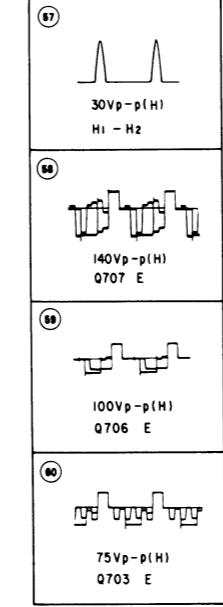
C FA

9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

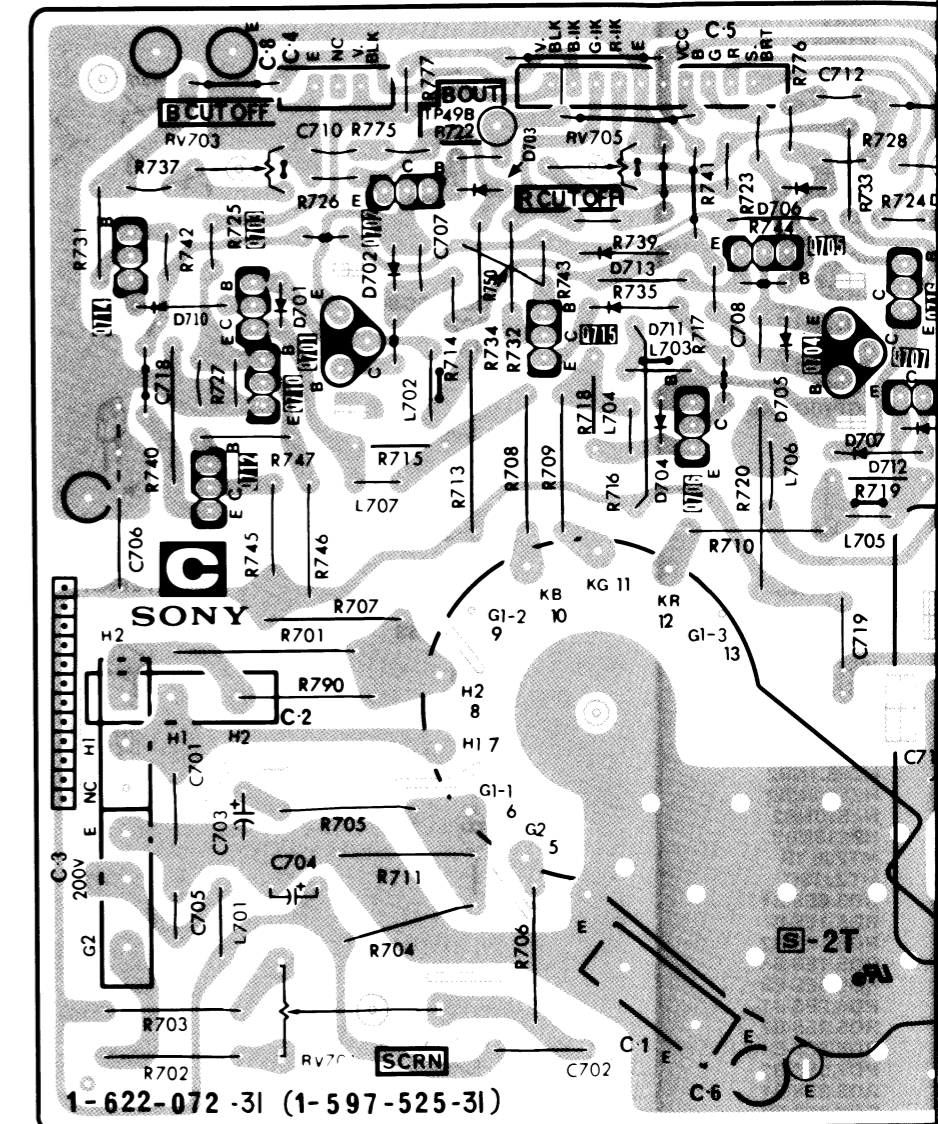


IC, Q	D	ADJ	TP
IC1510	1522		97
IC1511	1514		97
	558		
	1513		85
1511			
IC1512			
	1516		
1514			
1512			
1513	557		98
	561		
	562		
	560		
	1522		93
	507		
505	1523		
	509		
	1517	RV555	
	501	RV503	
IC502	505		
	1518		
1516			
	504	RV501	
1517			
	554	RV509	
	552		
IC501			81
	502		
	1511		
	1510		
	1521		
	508	RV553	82
	1515	RV554	
	1521		
	1521		
IC551	551		83
	1510		
	506	RV552	
	507		
	1519		
	1520		
	553		
IC, Q	D	ADJ	TP

[C BOARD]



CBoard

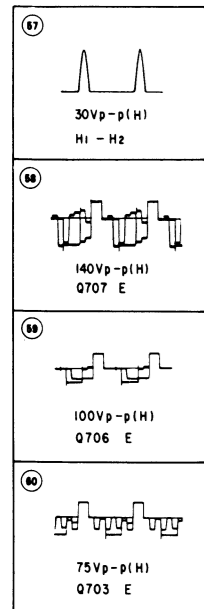


1-622-072-31 (1-597-525-31)

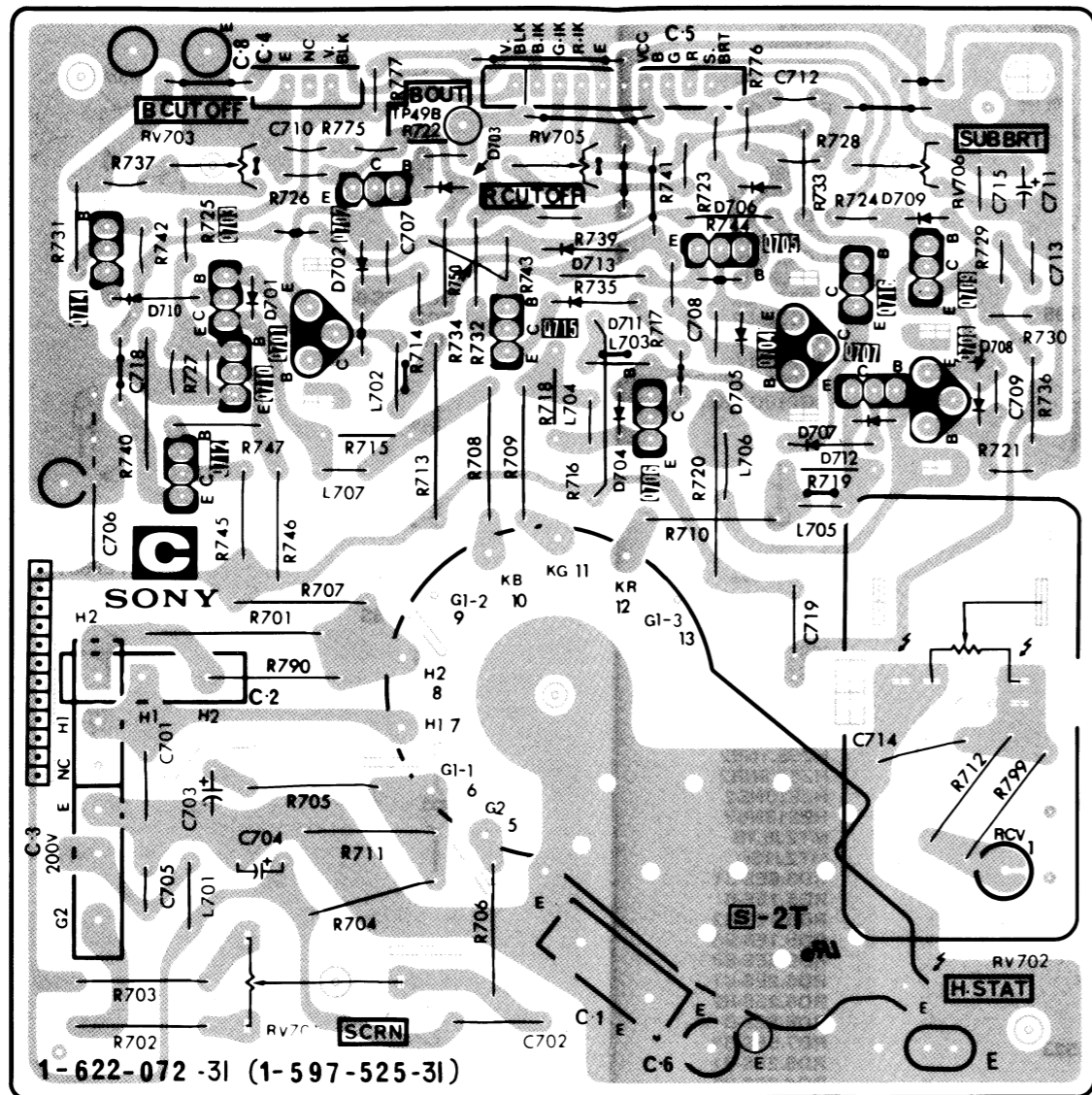
[RGB OUT.] **C** [POWER SUPPLY.] **FA** [POWER CTL.] **FC**

19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

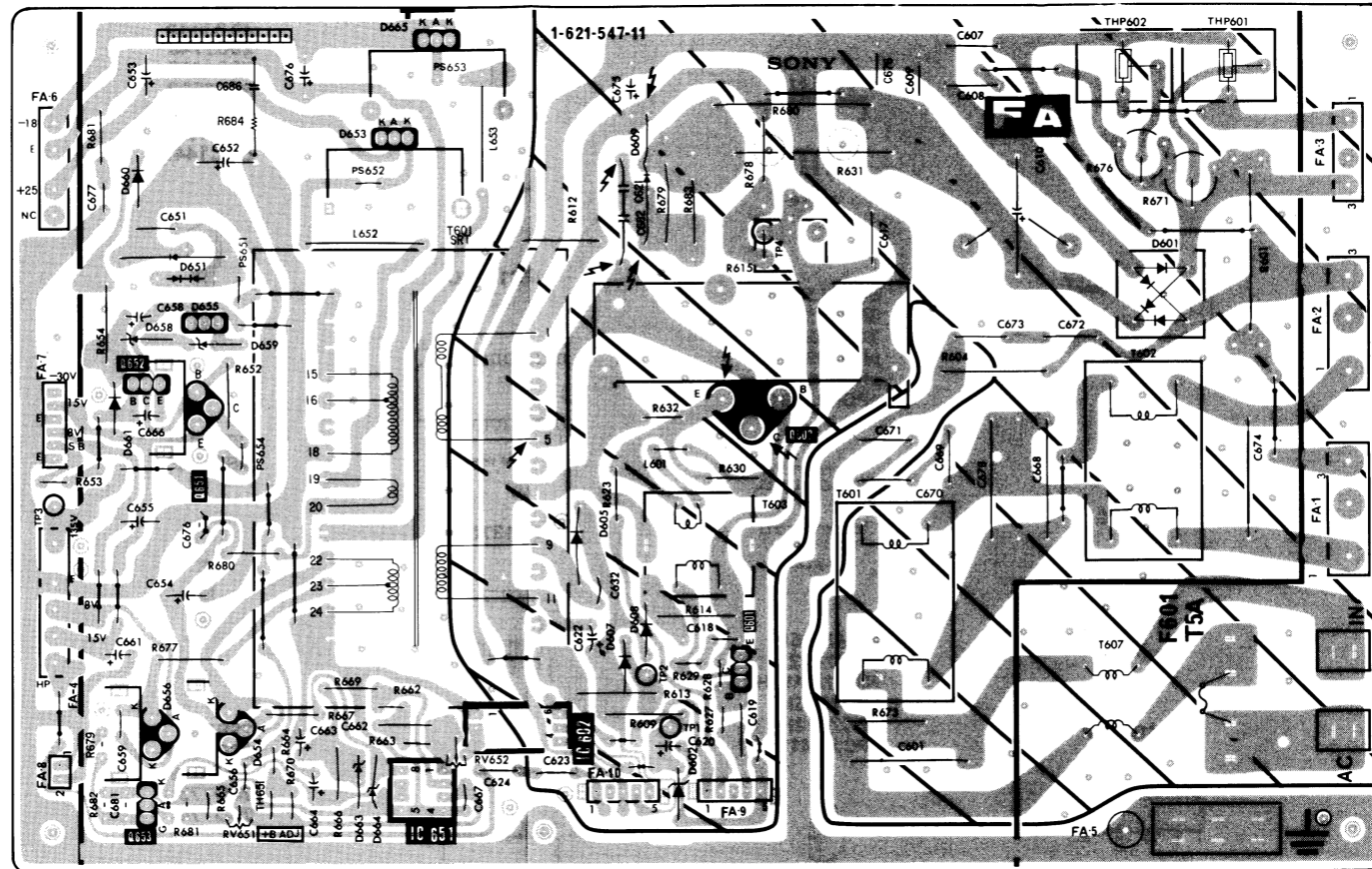
[C BOARD]



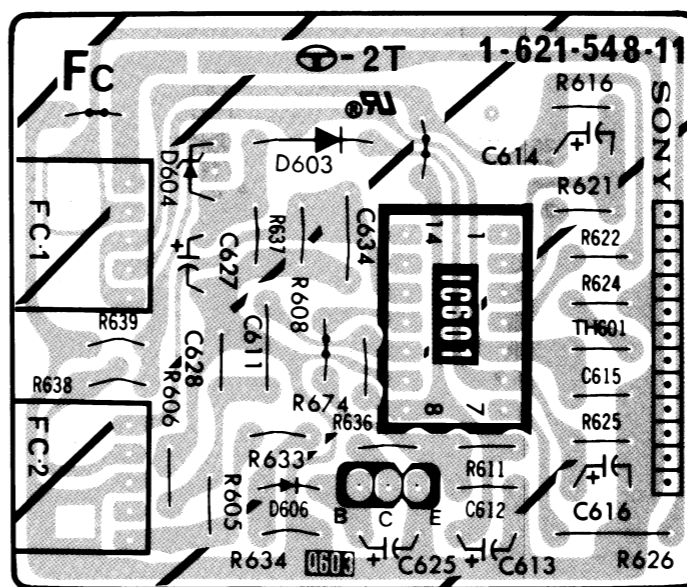
CBoard



FABoard



FCBoard

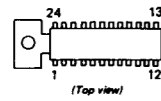


5-5. SEMICONDUCTORS

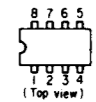
BA236
LA7910



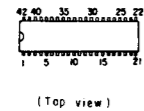
CX-175



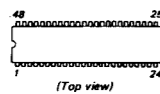
CX23025
HA17558
NJM4558D
 μ PC358C
 μ PC4558C



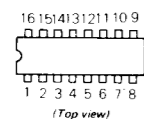
CXA1001AP



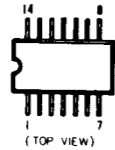
CXA1024S



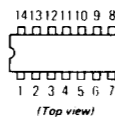
CXK1005P
SN74LS138N
TA7630P
 μ PD4052BC
 μ PD6326C



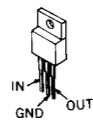
MC14073BCP



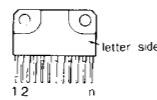
SN74LS09N
SN74LS86N
TC4073BP
 μ PD1394C
 μ PD4066BC
 μ PD4073BC



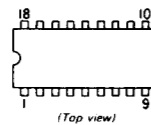
NJM7805H
NJM7812A
NJM78M12H
 μ PC7805H
 μ PC7812H
 μ PC78M121-1



TA7273P



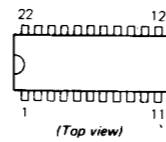
TD62381



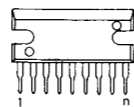
μ PC574J



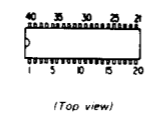
μ PC1377C



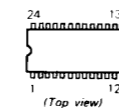
μ PC1378H



μ PD750HCU-244



μ PD8243C



2SA933
2SA1091
2SB734
2SC2551



2SA1048
2SA1115
2SC1740
2SC2458
2SC2603
DTA124ES
DTC124ES
DTC144ES



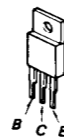
2SA1175
2SC2785



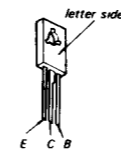
2SB734
2SC2958
2SC2959
2SD773
2SD774



2SC2334
2SD1134



2SC2611
2SC2688



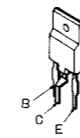
2SD795



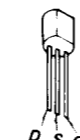
2SD1403



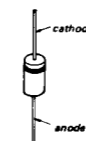
2SD1555



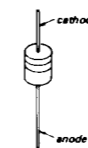
2SK523



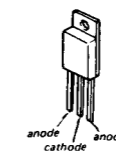
IN4148
ISS83
IS1555
10E2
EQA01-06
ERC24-06S
ERD28-08
ES1F
GP-08D
RD5,6E-B2
RD5,6EBZ7S
RD6,2E-B1
RD6,2E-B2
RD6,2E-L2
RD12E-B2
RD13E-L2
RD27E-B2
RGP01-17
RGP01-17PKG23
RGP10G-PKG23



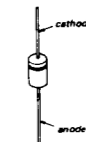
ISS119
ISS133
ISS148
HZS3.6NB1
HZS5.1NB
HZS5.1NB2
HZS6.8NB2
HZS10NB2
HZS13NB3
MTZJ5.1B
MTZJ13C
RD3.6ES-B1
RD5.1ES-B
RD5.1ES-B2
RD5.1ES-B3
RD5.6ES-B3
RD6.2ES-B1
RD6.2ES-B2
RD6.8ES-B
RD7.5ES-B2
RD8.2ES-B1
RD8.2ES-B2
RD9.1ES-B3
RD10ES-B2
RD13ES-B3



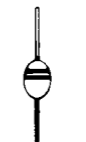
CTU-12S



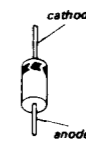
EQB9.1ES-06
ERC25-06
RH-1A



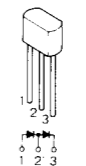
ERC26-15S
GH3F
U05G
V30N



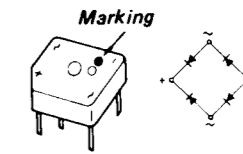
ERD29-08



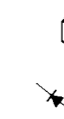
MC931



S3WB80Z



V19E
V19G

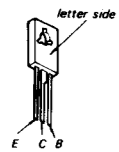


TLP581



SECTION 6
EXPLODED VIEWS

2SC2611
2SC2688



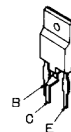
2SD795



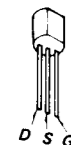
2SD1403



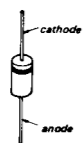
2SD1555



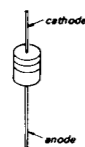
2SK523



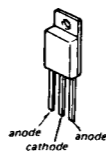
IN4148
ISS83
IS1555
10E2
EQA01-06
ERC24-06S
ERD28-08
ES1F
GP-08D
RD5,6E-B2
RD5,6EBZ7S
RD6,2E-B1
RD6,2E-B2
RD6,2E-L2
RD12E-B2
RD13E-L2
RD27E-B2
RGP01-17
RGP01-17PKG23
RGP10G-PKG23



ISS119
ISS133
ISS148
HZS3.6NB1
HZS5.1NB
HZS5.1NB2
HZS6.8NB2
HZS10NB2
HZS13NB3
MTZJ5.1B
MTZJ13C
RD3.6ES-B1
RD5.1ES-B
RD5.1ES-B2
RD5.1ES-B3
RD5.6ES-B3
RD6.2ES-B1
RD6.2ES-B2
RD6.8ES-B
RD7.5ES-B2
RD8.2ES-B1
RD8.2ES-B2
RD9.1ES-B3
RD10ES-B2
RD13ES-B3



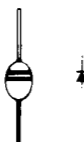
CTU-12S



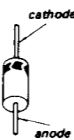
EQB9.1ES-06
ERC25-06
RH-1A



ERC26-15S
GH3F
U06G
V30N



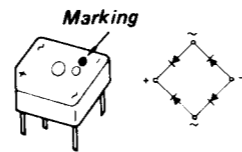
ERD29-08



MC931



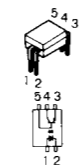
S3WB60Z



V19E
V19G



TLP581



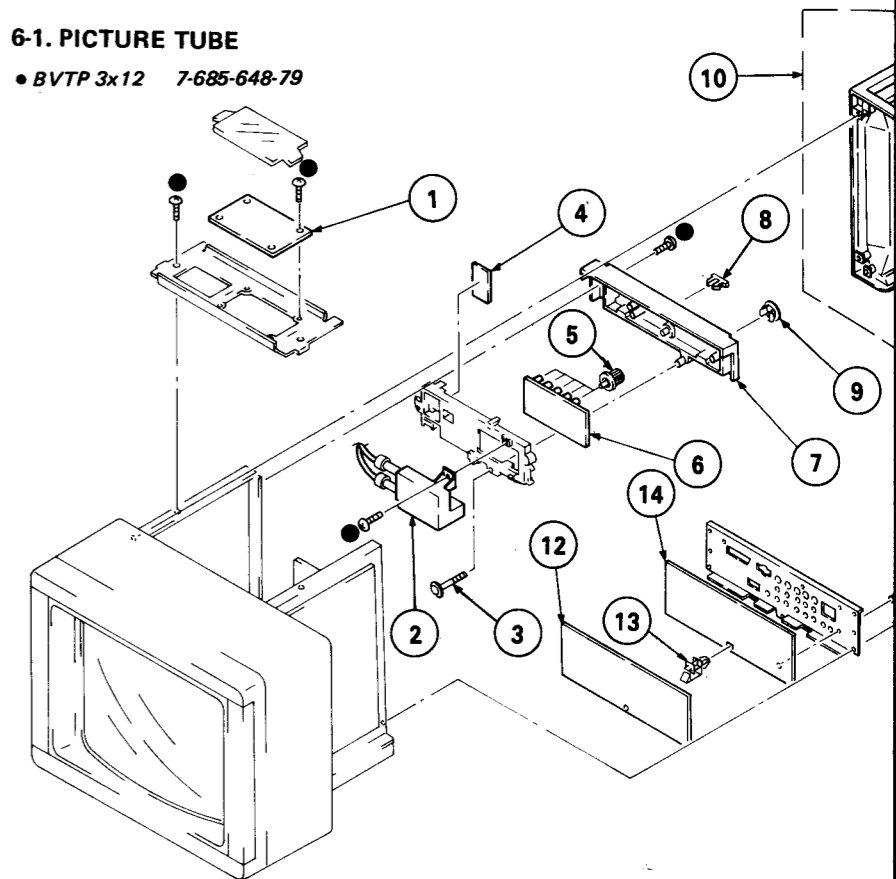
NOTE:

- 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.

6-1. PICTURE TUBE

• BVTP 3x12 7-685-648-79



No.	Part No.	Description	Remark	No.	Part No.
1	*A-1389-865-A	K BOARD, COMPLETE		8	4-371-176-01
2	A-1-237-614-11	RESISTOR ASSY, HIGH-VOLTAGE		9	4-371-181-01
3	4-319-520-11	SCREW, SPECIAL (+PW4X30)		10	X-4374-166-3
4	*1-621-541-11	HD BOARD		11	4-316-003-21
5	4-381-166-01	KNOB (A), CONTROL		12	*A-1270-213-A
6	*A-1375-066-A	HC BOARD, COMPLETE		13	*3-680-721-00
7	4-382-035-21	PANEL, CONTROL		14	*A-1270-212-A
					*A-1270-223-A

SECTION 6 EXPLODED VIEWS

NOTE:

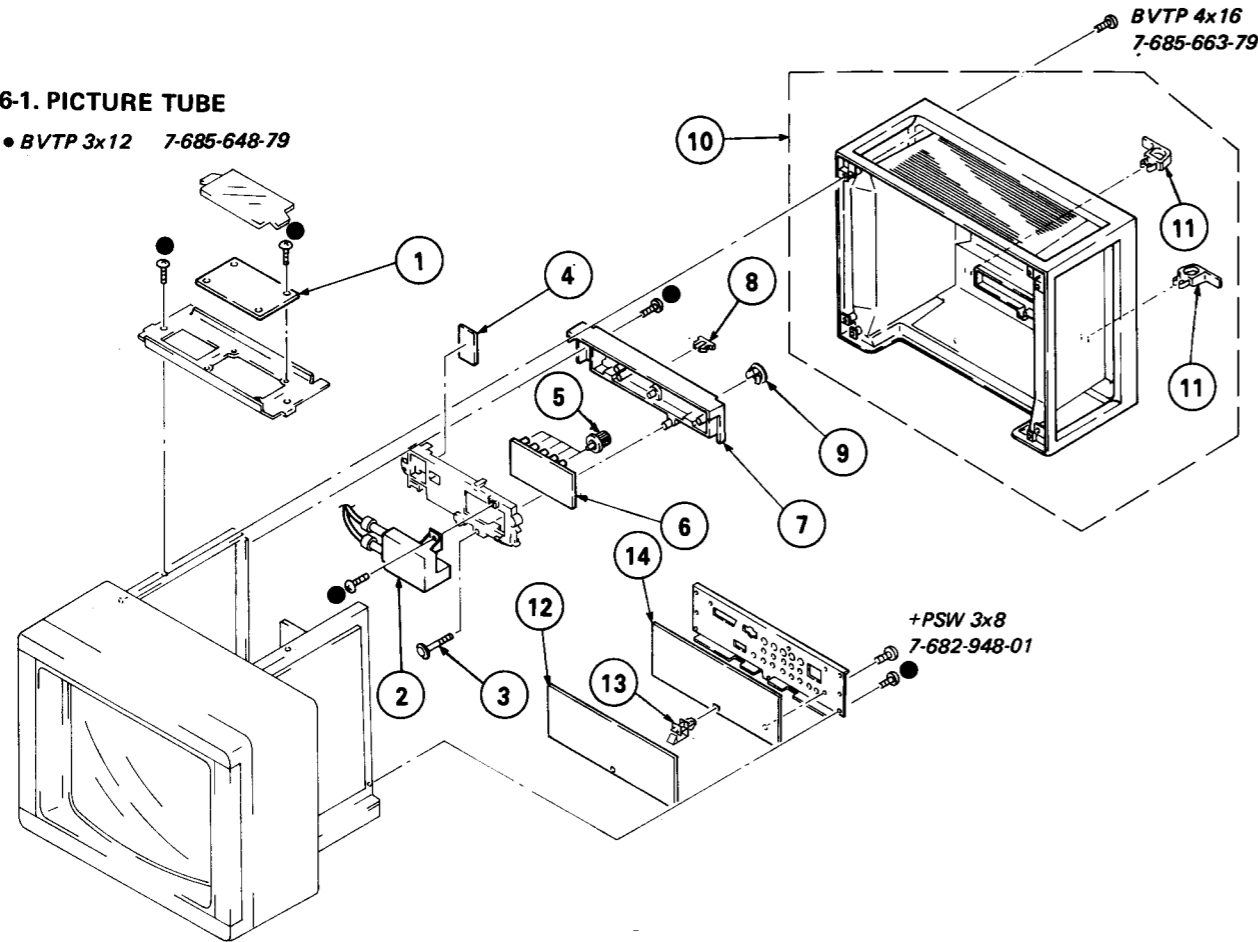
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

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

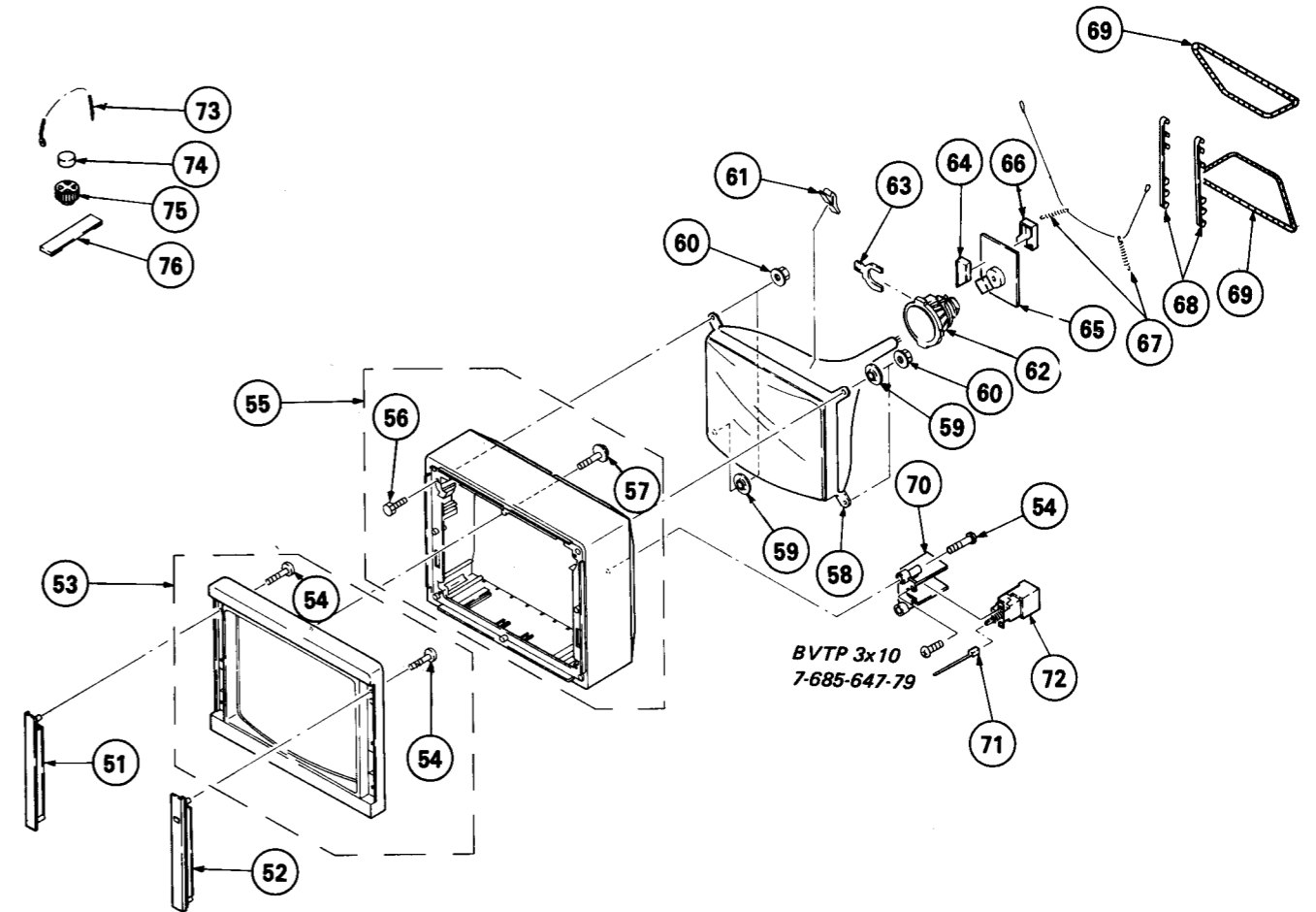
The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

6-1. PICTURE TUBE

• BVTP 3x12 7-685-648-79



6-2. CHASSIS

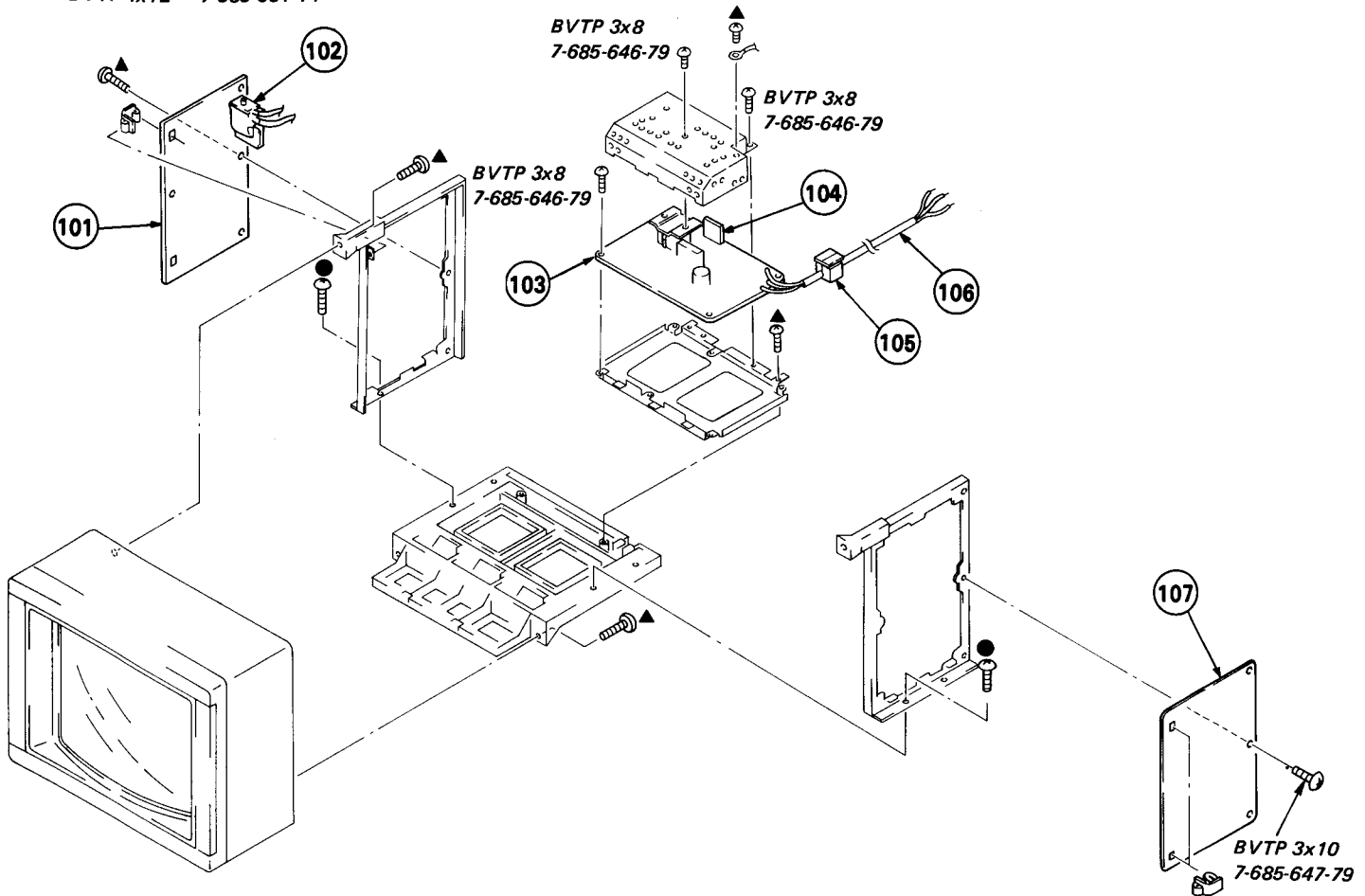


No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*A-1389-865-A	K BOARD, COMPLETE		8	4-371-176-01	CAP, SQUARE	
2	▲ 1-237-614-11	RESISTOR ASSY, HIGH-VOLTAGE		9	4-371-181-01	CAP	
3	4-319-520-11	SCREW, SPECIAL (+PW4X30)		10	X-4374-166-3	COVER ASSY, REAR	11
4	*1-621-541-11	HD BOARD		11	4-316-003-21	HOLDER, CORD	
5	4-381-166-01	KNOB (A), CONTROL		12	*A-1270-213-A	QB BOARD, COMPLETE	
6	*A-1375-066-A	HC BOARD, COMPLETE		13	*3-680-721-00	HOLDER, CHASSIS	
7	4-382-035-21	PANEL, CONTROL		14	*A-1270-212-A	QA BOARD, COMPLETE (AEP,AUS ONLY)	
					*A-1270-223-A	QA BOARD, COMPLETE (WG ONLY)	

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	1-464-803-11	KEY BOARD UNIT (A)		64	*4-379-167-01	COVER (MAIN), CV	
52	1-464-804-11	KEY BOARD UNIT (B)		65	*A-1330-801-A	C BOARD, COMPLETE	
53	X-4374-194-1	BEZEL ASSY	54	66	*4-379-160-01	COVER (REAR LID), CV	
54	3-703-083-00	+ BV 3X25		67	4-369-318-00	SPRING, TENSION	
55	X-4374-195-1	CABINET ASSY		68	*4-369-319-00	BAND, COIL	
56	3-703-025-12	BOLT M5, HEXAGON-HEAD	56,57	69	▲ 1-426-315-11	COIL, DEMAGNETIZATION	
57	4-319-520-11	SCREW, SPECIAL (+PW4X30)		70	*4-383-128-01	COVER, MAIN SWITCH	
58	▲ 8-736-955-05	PICTURE TUBE (A51JKQ10X)		71	*4-371-182-01	SHAFT	
59	4-373-615-02	WASHER, CRT POSITIONING		72	▲ 1-554-965-12	SWITCH, PUSH (AC POWER)(1 KEY)	
60	4-306-034-00	FLANGE NUT, (B) 5MM		73	4-308-870-00	CLIP, LEAD WIRE	
61	3-703-003-00	SPACER, DY		74	1-452-032-00	MAGNET, DISK; 10MM ϕ	
62	▲ 1-451-295-11	DEFLECTION YOKE (SY-153E)		75	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
63	1-452-277-00	MAGNET, BMC		76	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	

6-3. BACK COVER

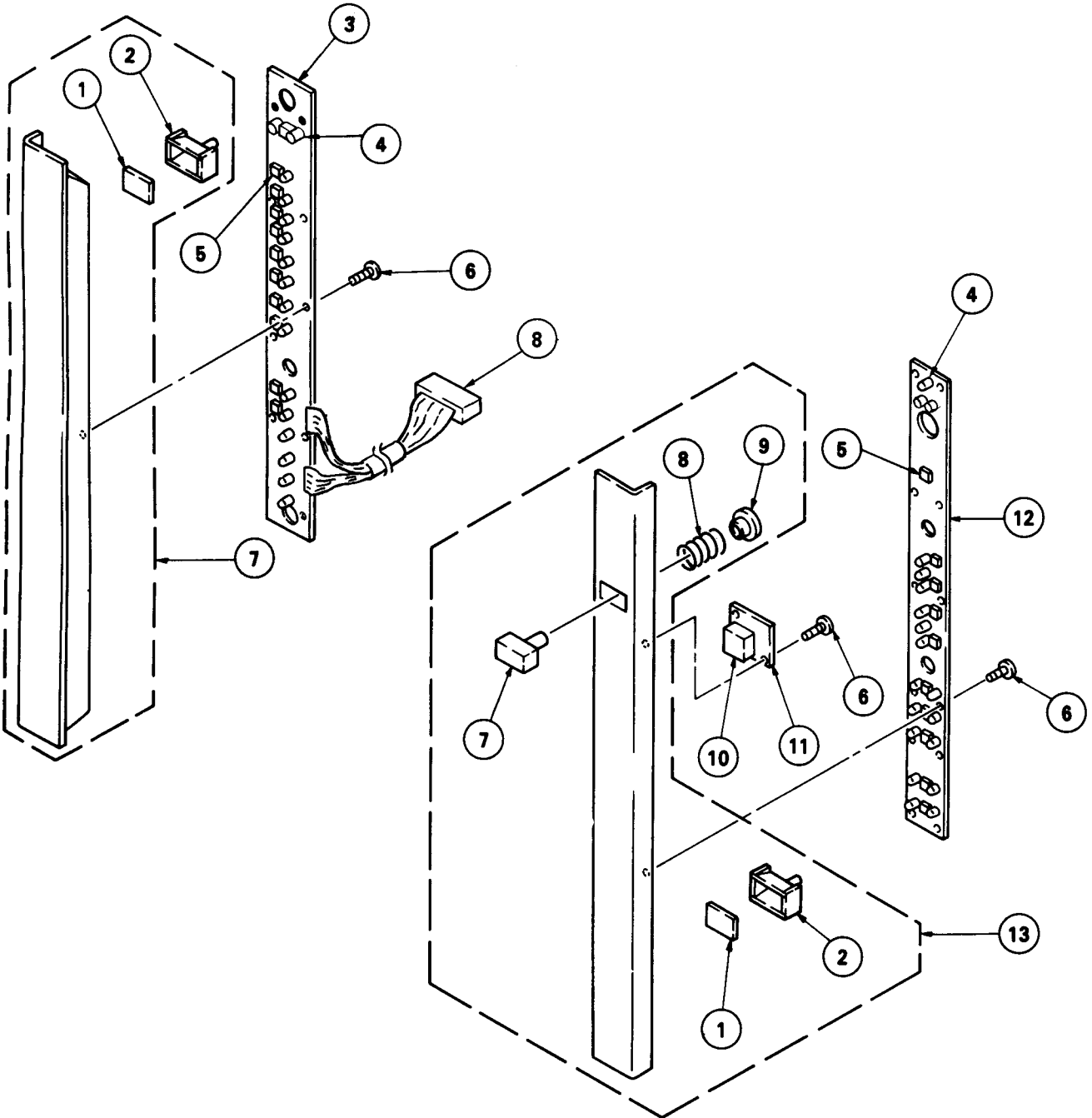
- BVTP 3x12 7-685-648-79
- ▲ BVTP 4x12 7-685-661-14



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

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	*A-1345-708-A	D BOARD, COMPLETE		105	▲*4-364-726-01	BUSHING, AC CORD	
102	▲1-439-372-32	TRANSFORMER ASSY, FLYBACK		106	▲1-534-820-13	POWER CORD (AEP, AUS ONLY)	
103	*A-1245-395-A	FA BOARD, COMPLETE (AEP, AUS ONLY)	104	▲1-559-409-11	POWER CORD (WG ONLY)		
	*A-1245-414-A	FA BOARD, COMPLETE (WG ONLY)	104	107	*A-1135-448-A	B BOARD, COMPLETE	
104	*1-621-548-11	FC BOARD					

6-4. KEY BOARD UNIT



No.	Part No.	Description
1	9-990-892-01	ILLUMINATOR A
2	9-990-891-01	REFLECTOR A
3	*9-992-308-01	HA BOARD
4	9-990-895-01	SPACER
5	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
6	9-990-894-01	TAPPING SCREW
7	9-992-310-01	FRAME ASSY
8	9-992-309-01	HARNESS

Remark	No.	Part No.	Description	Remark
	1	9-990-892-01	ILLUMINATOR A	
	2	9-990-891-01	REFLECTOR A	
	4	9-990-895-01	SPACER	
	5	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
	6	9-990-894-01	TAPPING SCREW	
	7	9-990-899-01	KEY TOP	
1,2	8	9-990-902-01	COIL SPRING	
	9	9-990-900-01	STOPPER	
	10	8-741-138-70	DETECTOR (BX1387)	
	11	*9-990-898-01	N BOARD	
	12	*9-992-401-01	HB BOARD	
	13	9-992-402-01	FRAME ASSY	1,2,7,8,9

B

SECTION 7 ELECTRICAL PARTS LIST

NOTE:

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

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS

- MF : μ F, PF : μ μF

RESISTORS

- All resistors are in ohms
- F : nonflammable

COILS

- MMH : mH, UH : μ H

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

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*A-1135-448-A	B BOARD, COMPLETE *****		C138	1-123-307-00	ELECT 100MF	20% 10V
				C139	1-123-356-00	ELECT 10MF	20% 16V
				C140	1-123-356-00	ELECT 10MF	20% 16V
				C141	1-123-330-00	ELECT 22MF	20% 16V
				C161	1-123-333-00	ELECT 100MF	20% 25V
		CONNECTOR		C162	1-123-321-00	ELECT 220MF	20% 16V
B1	*1-566-054-11	PIN, CONNECTOR 2P		C167	1-101-004-00	CERAMIC 0.01MF	50V
B2	*1-566-057-11	PIN, CONNECTOR 5P		C168	1-123-356-00	ELECT 10MF	20% 16V
B4	*1-566-055-11	PIN, CONNECTOR 3P		C169	1-123-356-00	ELECT 10MF	20% 25V
B5	*1-566-059-11	PIN, CONNECTOR 7P		C170	1-101-004-00	CERAMIC 0.01MF	50V
B6	*1-566-056-11	PIN, CONNECTOR 4P					
B7	*1-566-058-11	PIN, CONNECTOR 6P		C171	1-123-356-00	ELECT 10MF	20% 16V
B8	*1-566-059-11	PIN, CONNECTOR 7P		C173	1-101-004-00	CERAMIC 0.01MF	50V
B9	*1-566-061-11	PIN, CONNECTOR 9P		C174	1-101-004-00	CERAMIC 0.01MF	50V
B10	*1-566-065-11	PIN, CONNECTOR 13P		C175	1-101-006-00	CERAMIC 0.047MF	50V
B11	*1-566-061-11	PIN, CONNECTOR 9P		C177	1-119-354-00	ELECT 330MF	10V
B13	*1-566-054-11	PIN, CONNECTOR 2P					
B14	*1-566-057-11	PIN, CONNECTOR 5P		C178	1-101-004-00	CERAMIC 0.01MF	50V
B15	*1-508-766-00	4P PLUG (M)		C179	1-101-006-00	CERAMIC 0.047MF	50V
B16	*1-566-056-11	PIN, CONNECTOR 4P		C180	1-123-307-00	ELECT 100MF	20% 10V
B17	*1-566-054-11	PIN, CONNECTOR 2P		C181	1-123-332-00	ELECT 47MF	20% 16V
B18	*1-566-055-11	PIN, CONNECTOR 3P		C182	1-101-006-00	CERAMIC 0.047MF	50V
B19	*1-566-057-11	PIN, CONNECTOR 5P					
B20	*1-566-058-11	PIN, CONNECTOR 6P		C183	1-119-352-00	ELECT 100MF	10V
B21	*1-566-054-11	PIN, CONNECTOR 2P		C185	1-123-307-00	ELECT 100MF	20% 10V
		CAPACITOR		C186	1-123-356-00	ELECT 10MF	20% 16V
C101	1-123-356-00	ELECT 10MF	20% 16V	C187	1-123-330-00	ELECT 22MF	20% 16V
C103	1-102-973-00	CERAMIC 100PF	5% 50V	C301	1-123-333-00	ELECT 100MF	20% 16V
C104	1-123-306-00	ELECT 47MF	20% 10V				
C105	1-136-161-00	FILM 0.047MF	5% 50V	C302	1-101-888-00	CERAMIC 68PF	5% 50V
C106	1-102-963-00	CERAMIC 33PF	5% 50V	C303	1-123-369-00	ELECT 4.7MF	20% 25V
C107	1-102-963-00	CERAMIC 33PF	5% 50V	C304	1-123-356-00	ELECT 10MF	20% 16V
C108	1-102-978-00	CERAMIC 220PF	5% 50V	C305	1-110-201-00	MYLAR 0.0033MF	5% 50V
C110	1-123-333-00	ELECT 100MF	20% 25V	C306	1-101-006-00	CERAMIC 0.047MF	50V
C112	1-123-335-00	ELECT 330MF	20% 25V	C307	1-101-006-00	CERAMIC 0.047MF	50V
C113	1-123-318-00	ELECT 33MF	20% 16V	C308	1-123-381-00	ELECT 2.2MF	20% 50V
C114	1-123-333-00	ELECT 100MF	20% 25V	C309	1-102-946-00	CERAMIC 9PF	0.5 PF 50V
C115	1-123-333-00	ELECT 100MF	20% 16V	C310	1-123-356-00	ELECT 10MF	20% 16V
C116	1-101-006-00	CERAMIC 0.047MF	50V	C311	1-136-157-00	FILM 0.022MF	5% 50V
C118	1-101-004-00	CERAMIC 0.01MF	50V	C312	1-136-157-00	FILM 0.022MF	5% 50V
C119	1-123-330-00	ELECT 22MF	20% 16V	C313	1-102-074-00	CERAMIC 0.001MF	10% 50V
C120	1-123-330-00	ELECT 22MF	20% 25V	C314	1-101-006-00	CERAMIC 0.047MF	50V
C121	1-123-356-00	ELECT 10MF	20% 16V	C315	1-101-006-00	CERAMIC 0.047MF	50V
C123	1-101-006-00	CERAMIC 0.047MF	50V	C316	1-136-169-00	FILM 0.22MF	5% 50V
C125	1-123-380-00	ELECT 1MF	20% 50V				
C126	1-123-380-00	ELECT 1MF	20% 50V	C317	1-102-074-00	CERAMIC 0.001MF	10% 50V
C127	1-123-380-00	ELECT 1MF	20% 50V	C322	1-101-006-00	CERAMIC 0.047MF	50V
C128	1-123-380-00	ELECT 1MF	20% 50V	C323	1-124-464-11	ELECT 0.22MF	20% 50V
C131	1-130-475-00	MYLAR 0.0022MF	5% 50V	C324	1-124-464-11	ELECT 0.22MF	20% 50V
C133	1-123-380-00	ELECT 1MF	20% 50V	C325	1-123-333-00	ELECT 100MF	20% 16V
C134	1-123-380-00	ELECT 1MF	20% 50V				
C135	1-123-381-00	ELECT 2.2MF	20% 50V	C326	1-124-464-11	ELECT 0.22MF	20% 50V
C136	1-101-006-00	CERAMIC 0.047MF	50V	C327	1-102-111-00	CERAMIC 270PF	10% 50V
C137	1-123-307-00	ELECT 100MF	20% 10V	C330	1-101-006-00	CERAMIC 0.047MF	50V
				C331	1-123-380-00	ELECT 1MF	20% 50V
				C332	1-136-161-00	FILM 0.047MF	5% 50V
				C333	1-102-959-00	CERAMIC 22PF	5% 50V
				C334	1-123-380-00	ELECT 1MF	20% 50V
				C335	1-123-307-00	ELECT 100MF	20% 10V

B

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C336	1-123-318-00	ELECT	33MF 20% 16V	C1302	1-124-656-00	ELECT	2.2MF 20% 50V
C337	1-102-112-00	CERAMIC	330PF 10% 50V	C1304	1-123-356-00	ELECT	10MF 20% 16V
C341	1-123-380-00	ELECT	1MF 20% 50V	C1305	1-136-161-00	FILM	0.047MF 5% 50V
C346	1-123-380-00	ELECT	1MF 20% 50V	C1306	1-123-380-00	ELECT	1MF 20% 50V
C347	1-102-111-00	CERAMIC	270PF 10% 50V	C1316	1-123-356-00	ELECT	10MF 20% 25V
C350	1-123-356-00	ELECT	10MF 20% 16V	C1317	1-123-380-00	ELECT	1MF 20% 50V
C351	1-102-074-00	CERAMIC	0.001MF 10% 50V	C1318	1-123-380-00	ELECT	1MF 20% 50V
C352	1-101-361-00	CERAMIC	150PF 5% 50V	C1319	1-123-380-00	ELECT	1MF 20% 50V
C353	1-102-959-00	CERAMIC	22PF 5% 50V	C1320	1-123-382-00	ELECT	3.3MF 20% 50V
C354	1-123-380-00	ELECT	1MF 20% 50V	C1321	1-123-356-00	ELECT	10MF 20% 25V
C355	1-101-005-00	CERAMIC	0.022MF 50V	C1322	1-101-004-00	CERAMIC	0.01MF 50V
C381	1-102-074-00	CERAMIC	0.001MF 10% 50V	C1323	1-123-356-00	ELECT	10MF 20% 25V
C382	1-123-332-00	ELECT	47MF 20% 16V	C1324	1-123-332-00	ELECT	47MF 20% 16V
C402	1-136-167-00	FILM	0.15MF 5% 50V	C1325	1-101-006-00	CERAMIC	0.047MF 50V
C404	1-136-165-00	FILM	0.1MF 5% 50V	C1326	1-101-006-00	CERAMIC	0.047MF 50V
C405	1-102-806-00	CERAMIC	27PF 5% 50V	C1329	1-123-318-00	ELECT	33MF 20% 16V
C406	1-101-890-00	CERAMIC	75PF 5% 50V	C1333	1-136-153-00	FILM	0.01MF 5% 50V
C408	1-123-356-00	ELECT	10MF 20% 16V	C1334	1-101-004-00	CERAMIC	0.01MF 50V
C410	1-123-356-00	ELECT	10MF 20% 50V	C1336	1-110-203-00	MYLAR	0.0047MF 5% 50V
C411	1-136-161-00	FILM	0.047MF 5% 50V	C1338	1-136-161-00	FILM	0.047MF 5% 50V
C412	1-102-119-00	CERAMIC	0.0015MF 10% 50V	C1339	1-136-153-00	FILM	0.01MF 5% 50V
C413	1-123-380-00	ELECT	1MF 20% 50V	C1341	1-110-203-00	MYLAR	0.0047MF 5% 50V
C414	1-136-173-00	FILM	0.47MF 5% 50V	C1343	1-136-161-00	FILM	0.047MF 5% 50V
C415	1-101-005-00	CERAMIC	0.022MF 50V	C1344	1-136-153-00	FILM	0.01MF 5% 50V
C416	1-123-356-00	ELECT	10MF 20% 16V	C1346	1-110-203-00	MYLAR	0.0047MF 5% 50V
C417	1-123-356-00	ELECT	10MF 20% 16V	C1351	1-123-356-00	ELECT	10MF 20% 25V
C418	1-136-161-00	FILM	0.047MF 5% 50V	C1352	1-123-332-00	ELECT	47MF 20% 16V
C419	1-123-380-00	ELECT	1MF 20% 50V	C1353	1-102-973-00	CERAMIC	100PF 5% 50V
C420	1-101-890-00	CERAMIC	75PF 5% 50V	C1354	1-136-157-00	FILM	0.022MF 5% 50V
C421	1-102-806-00	CERAMIC	27PF 5% 50V	C1355	1-123-380-00	ELECT	1MF 20% 50V
C423	1-136-165-00	FILM	0.1MF 5% 50V	C1356	1-136-165-00	FILM	0.1MF 5% 50V
C424	1-123-356-00	ELECT	10MF 20% 16V	C1357	1-123-380-00	ELECT	1MF 20% 50V
C425	1-102-888-00	CERAMIC	150PF 5% 50V	C1358	1-123-369-00	ELECT	4.7MF 20% 50V
C426	1-101-004-00	CERAMIC	0.01MF 50V	C1359	1-102-820-00	CERAMIC	330PF 5% 50V
C427	1-101-006-00	CERAMIC	0.047MF 50V	C1360	1-102-820-00	CERAMIC	330PF 5% 50V
C428	1-102-121-00	CERAMIC	0.0022MF 10% 50V	C1361	1-102-129-00	CERAMIC	0.01MF 10% 50V
C429	1-136-161-00	FILM	0.047MF 5% 50V	C1362	1-130-475-00	MYLAR	0.0022MF 5% 50V
C430	1-102-971-00	CERAMIC	82PF 5% 50V	C1390	1-101-004-00	CERAMIC	0.01MF 50V
C434	1-102-112-00	CERAMIC	330PF 10% 50V	C1391	1-123-356-00	ELECT	10MF 20% 16V
C452	1-136-169-00	FILM	0.22MF 5% 50V	C1392	1-123-356-00	ELECT	10MF 20% 16V
C453	1-123-333-00	ELECT	100MF 20% 16V	C1393	1-101-004-00	CERAMIC	0.01MF 50V
C454	1-102-963-00	CERAMIC	33PF 5% 50V				
C466	1-102-115-00	CERAMIC	560PF 10% 50V			TRIMMER	
C470	1-123-333-00	ELECT	100MF 20% 16V	CT358	1-141-181-11	CAP, TRIMMER	
C472	1-123-356-00	ELECT	10MF 20% 16V	CT443	1-141-181-11	CAP, TRIMMER	
C473	1-101-361-00	CERAMIC	150PF 5% 50V			DIODE	
C474	1-102-662-00	CERAMIC	7PF 0.5PF 50V	D101	8-719-109-97	DIODE RD6.8ES-B2	
C475	1-102-662-00	CERAMIC	7PF 0.5PF 50V	D102	8-719-109-97	DIODE RD6.8ES-B2	
C476	1-102-662-00	CERAMIC	7PF 0.5PF 50V	D103	8-719-911-19	DIODE 1SS119	
C477	1-102-662-00	CERAMIC	7PF 0.5PF 50V	D104	8-719-109-68	DIODE RD3.6ES-B1	
C481	1-108-614-91	MYLAR	0.001MF 10% 100V	D108	8-719-911-19	DIODE 1SS119	
C482	1-102-820-00	CERAMIC	330PF 5% 50V				
C484	1-136-165-00	FILM	0.1MF 50V				
C1301	1-101-004-00	CERAMIC	0.01MF 50V				

B

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
D110	8-719-911-19	DIODE 1SS119		IC106	8-759-207-07	IC TD62381P	
D111	8-719-110-08	DIODE RD8.2ES-B2		IC107	8-759-207-07	IC TD62381P	
D112	8-719-911-19	DIODE 1SS119		IC110	8-759-140-66	IC UPD4066BC	
D113	8-719-911-19	DIODE 1SS119		IC121	8-759-171-05	IC UPC7805H	
D114	8-719-911-19	DIODE 1SS119			*4-363-146-00	HEAT SINK, V.OUT; IC121	
D115	8-719-109-83	DIODE RD5.1ES-B		IC122	8-759-700-06	IC NJM7812B	
D116	8-719-109-90	DIODE RD5.6ES-B3			*4-323-833-00	HEAT SINK, PIN OUT; IC122	
D117	8-719-911-19	DIODE 1SS119		IC301	8-752-030-86	IC CXA1001AP	
D118	8-719-911-19	DIODE 1SS119		IC302	8-752-030-31	IC CXA1024S	
D120	8-719-911-19	DIODE 1SS119		IC311	8-759-240-73	IC TC4073BP	
D121	8-719-911-19	DIODE 1SS119		IC401	8-751-750-00	IC CX175	
D123	8-719-911-19	DIODE 1SS119		IC411	8-759-135-80	IC UPC358C	
D124	8-719-911-19	DIODE 1SS119		IC412	8-759-140-66	IC UPD4066BC	
D125	8-719-911-19	DIODE 1SS119					
D126	8-719-109-95	DIODE RD6.8ES-B					
D127	8-719-109-95	DIODE RD6.8ES-B					
D305	8-719-911-19	DIODE 1SS119					
D306	8-719-911-19	DIODE 1SS119					
D307	8-719-911-19	DIODE 1SS119					
D308	8-719-911-19	DIODE 1SS119					
D309	8-719-911-19	DIODE 1SS119					
D334	8-719-110-15	DIODE RD10ES-B					
D335	8-719-911-19	DIODE 1SS119					
D339	8-719-911-19	DIODE 1SS119					
D340	8-719-911-19	DIODE 1SS119					
D341	8-719-911-19	DIODE 1SS119					
D342	8-719-110-15	DIODE RD10ES-B					
D343	8-719-110-15	DIODE RD10ES-B					
D344	8-719-110-15	DIODE RD10ES-B					
D345	8-719-911-19	DIODE 1SS119					
D351	8-719-911-19	DIODE 1SS119					
D354	8-719-911-19	DIODE 1SS119					
D361	8-719-911-19	DIODE 1SS119					
D362	8-719-911-19	DIODE 1SS119					
D392	8-719-911-19	DIODE 1SS119					
D401	8-719-911-19	DIODE 1SS119					
D442	8-719-911-19	DIODE 1SS119					
D443	8-719-911-19	DIODE 1SS119					
D444	8-719-911-19	DIODE 1SS119					
D445	8-719-911-19	DIODE 1SS119					
D450	8-719-911-19	DIODE 1SS119					
D454	8-719-911-19	DIODE 1SS119					
D457	8-719-911-19	DIODE 1SS119					
<u>DELAY LINE</u>							
DL301	1-415-122-31	DELAY LINE, 1H (PAL)					
DL401	1-415-380-11	DELAY LINE, Y					
<u>IC</u>							
IC101	8-759-113-02	IC UPD7508HCU-244					
IC102	8-752-321-18	IC CXK1005P					
IC103	8-759-102-28	IC UPD6326C					
IC104	8-759-182-43	IC UPD8243C					
				<u>COIL</u>			
				L101	1-408-424-00	MICRO INDUCTOR 180UH	
				L104	1-408-424-00	MICRO INDUCTOR 180UH	
				L105	1-408-424-00	MICRO INDUCTOR 180UH	
				L161	1-407-364-00	COIL, SPOOK CHOKE 3.3UH	
				L333	1-408-416-00	MICRO INDUCTOR 39UH	
				L337	1-408-160-00	MICRO INDUCTOR 15MMH	
				L405	1-404-496-00	COIL	
				L406	1-408-411-00	MICRO INDUCTOR 15UH	
				L420	1-408-411-00	MICRO INDUCTOR 15UH	
				L421	1-404-496-00	COIL	
				L430	1-408-245-00	MICRO INDUCTOR 22MMH	
				L431	1-408-414-00	MICRO INDUCTOR 27UH	
				L432	1-408-415-00	MICRO INDUCTOR 33UH	
				L435	1-408-408-00	MICRO INDUCTOR 8.2UH	
				L451	1-404-495-00	COIL	
				L452	1-404-495-00	COIL	
				L455	1-408-163-00	MICRO INDUCTOR 5.6MMH	
				<u>IC LINK</u>			
				PS1	1-532-605-00	LINK, IC	
				PS2	1-532-637-00	LINK, IC	
				<u>TRANSISTOR</u>			
				Q101	8-729-117-54	TRANSISTOR 2SA1175	
				Q102	8-729-117-54	TRANSISTOR 2SA1175	
				Q103	8-729-178-54	TRANSISTOR 2SC2785	
				Q104	8-729-178-54	TRANSISTOR 2SC2785	
				Q105	8-729-178-54	TRANSISTOR 2SC2785	
				Q107	8-729-900-36	TRANSISTOR DTC124ES	
				Q108	8-729-178-54	TRANSISTOR 2SC2785	
				Q109	8-729-117-54	TRANSISTOR 2SA1175	
				Q110	8-729-117-54	TRANSISTOR 2SA1175	
				Q111	8-729-103-43	TRANSISTOR 2SB734	
				Q112	8-729-178-54	TRANSISTOR 2SC2785	
				Q113	8-729-178-54	TRANSISTOR 2SC2785	
				Q114	8-729-178-54	TRANSISTOR 2SC2785	
				Q115	8-729-900-36	TRANSISTOR DTC124ES	
				Q116	8-729-117-54	TRANSISTOR 2SA1175	



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q117	8-729-178-54	TRANSISTOR 2SC2785		Q1302	8-729-178-54	TRANSISTOR 2SC2785	
Q118	8-729-117-54	TRANSISTOR 2SA1175		Q1303	8-729-117-54	TRANSISTOR 2SA1175	
Q119	8-729-117-54	TRANSISTOR 2SA1175		<u>RESISTOR</u>			
Q121	8-729-133-42	TRANSISTOR 2SC2334-L		R101	1-249-395-11	CARBON 15 5% 1/6W	
	*4-363-146-00	HEAT SINK, V.OUT; Q121		R102	1-249-395-11	CARBON 15 5% 1/6W	
Q122	8-729-117-54	TRANSISTOR 2SA1175		R103	1-249-441-11	CARBON 100K 5% 1/6W	
Q123	8-729-178-54	TRANSISTOR 2SC2785		R104	1-249-441-11	CARBON 100K 5% 1/6W	
Q301	8-729-117-54	TRANSISTOR 2SA1175		R105	1-247-805-00	CARBON 82 5% 1/6W	
Q309	8-729-178-54	TRANSISTOR 2SC2785		R106	1-249-413-11	CARBON 470 5% 1/6W	
Q310	8-729-117-54	TRANSISTOR 2SA1175		R107	1-249-411-11	CARBON 330 5% 1/6W	
Q311	8-729-177-43	TRANSISTOR 2SD774		R108	1-249-441-11	CARBON 100K 5% 1/6W	
Q315	8-729-178-54	TRANSISTOR 2SC2785		R109	1-249-433-11	CARBON 22K 5% 1/6W	
Q316	8-729-178-54	TRANSISTOR 2SC2785		R110	1-249-465-11	CARBON 47K 5% 1/4W	
Q321	8-729-178-54	TRANSISTOR 2SC2785		R111	1-249-437-11	CARBON 47K 5% 1/6W	
Q322	8-729-178-54	TRANSISTOR 2SC2785		R114	1-249-437-11	CARBON 47K 5% 1/6W	
Q324	8-729-178-54	TRANSISTOR 2SC2785		R116	1-249-414-11	CARBON 560 5% 1/6W	
Q331	8-729-178-54	TRANSISTOR 2SC2785		R117	1-249-429-11	CARBON 10K 5% 1/6W	
Q341	8-729-178-54	TRANSISTOR 2SC2785		R118	1-249-429-11	CARBON 10K 5% 1/6W	
Q342	8-729-178-54	TRANSISTOR 2SC2785		R119	1-249-429-11	CARBON 10K 5% 1/6W	
Q343	8-729-178-54	TRANSISTOR 2SC2785		R121	1-215-867-00	METAL OXIDE 470 5% 1W	F
Q353	8-729-178-54	TRANSISTOR 2SC2785		R122	1-249-417-11	CARBON 1K 5% 1/6W	F
Q354	8-729-900-36	TRANSISTOR DTC124ES		R123	1-216-357-00	METAL OXIDE 4.7 5% 1W	F
Q355	8-729-178-54	TRANSISTOR 2SC2785		R124	1-249-433-11	CARBON 22K 5% 1/6W	
Q357	8-729-117-54	TRANSISTOR 2SA1175		R125	1-249-435-11	CARBON 33K 5% 1/6W	
Q358	8-729-900-36	TRANSISTOR DTC124ES		R126	1-249-431-11	CARBON 15K 5% 1/6W	
Q361	8-729-117-54	TRANSISTOR 2SA1175		R127	1-249-417-11	CARBON 1K 5% 1/6W	
Q362	8-729-117-54	TRANSISTOR 2SA1175		R128	1-249-434-11	CARBON 27K 5% 1/6W	
Q363	8-729-117-54	TRANSISTOR 2SA1175		R129	1-247-717-11	CARBON 2.2K 5% 1/4W	
Q371	8-729-178-54	TRANSISTOR 2SC2785		R130	1-247-706-11	CARBON 330 5% 1/4W	
Q372	8-729-178-54	TRANSISTOR 2SC2785		R131	1-249-409-11	CARBON 220 5% 1/6W	
Q373	8-729-178-54	TRANSISTOR 2SC2785		R132	1-249-409-11	CARBON 220 5% 1/6W	
Q374	8-729-178-54	TRANSISTOR 2SC2785		R133	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q393	8-729-117-54	TRANSISTOR 2SA1175		R134	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q400	8-729-178-54	TRANSISTOR 2SC2785		R135	1-249-437-11	CARBON 47K 5% 1/6W	
Q401	8-729-178-54	TRANSISTOR 2SC2785		R136	1-249-417-11	CARBON 1K 5% 1/6W	
Q402	8-729-178-54	TRANSISTOR 2SC2785		R137	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q403	8-729-117-54	TRANSISTOR 2SA1175		R138	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q405	8-729-178-54	TRANSISTOR 2SC2785		R139	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q406	8-729-117-54	TRANSISTOR 2SA1175		R140	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q407	8-729-178-54	TRANSISTOR 2SC2785		R141	1-247-717-11	CARBON 2.2K 5% 1/4W	
Q450	8-729-117-54	TRANSISTOR 2SA1175		R142	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q451	8-729-178-54	TRANSISTOR 2SC2785		R143	1-249-429-11	CARBON 10K 5% 1/6W	
Q452	8-729-178-54	TRANSISTOR 2SC2785		R144	1-249-429-11	CARBON 10K 5% 1/6W	
Q453	8-729-117-54	TRANSISTOR 2SA1175		R145	1-249-437-11	CARBON 47K 5% 1/6W	
Q454	8-729-117-54	TRANSISTOR 2SA1175		R146	1-249-425-11	CARBON 4.7K 5% 1/6W	
Q455	8-729-178-54	TRANSISTOR 2SC2785		R147	1-249-441-11	CARBON 100K 5% 1/6W	
Q456	8-729-117-54	TRANSISTOR 2SA1175		R148	1-249-434-11	CARBON 27K 5% 1/6W	
Q457	8-729-178-54	TRANSISTOR 2SC2785		R149	1-249-427-11	CARBON 6.8K 5% 1/6W	
Q458	8-729-117-54	TRANSISTOR 2SA1175		R150	1-249-427-11	CARBON 6.8K 5% 1/6W	
Q459	8-729-117-54	TRANSISTOR 2SA1175		R151	1-249-423-11	CARBON 3.3K 5% 1/6W	
Q460	8-729-178-54	TRANSISTOR 2SC2785		R152	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q461	8-729-178-54	TRANSISTOR 2SC2785		R153	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q1301	8-729-178-54	TRANSISTOR 2SC2785					



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R154	1-249-421-11	CARBON	2.2K 5% 1/6W	R313	1-249-421-11	CARBON	2.2K 5% 1/6W
R155	1-247-717-11	CARBON	2.2K 5% 1/4W	R314	1-249-409-11	CARBON	220 5% 1/6W
R156	1-249-423-11	CARBON	3.3K 5% 1/6W	R315	1-249-433-11	CARBON	22K 5% 1/6W
R157	1-249-433-11	CARBON	22K 5% 1/6W	R316	1-249-435-11	CARBON	33K 5% 1/6W
R158	1-249-417-11	CARBON	1K 5% 1/6W	R317	1-249-421-11	CARBON	2.2K 5% 1/6W
R159	1-249-418-11	CARBON	1.2K 5% 1/6W	R318	1-249-409-11	CARBON	220 5% 1/6W
R160	1-249-397-11	CARBON	22 5% 1/6W	R319	1-249-433-11	CARBON	22K 5% 1/6W
R161	1-249-397-11	CARBON	22 5% 1/6W	R320	1-249-435-11	CARBON	33K 5% 1/6W
R162	1-249-397-11	CARBON	22 5% 1/6W	R321	1-249-435-11	CARBON	33K 5% 1/6W
R163	1-249-397-11	CARBON	22 5% 1/6W	R322	1-249-429-11	CARBON	10K 5% 1/6W
R164	1-249-397-11	CARBON	22 5% 1/6W	R323	1-249-441-11	CARBON	100K 5% 1/6W
R165	1-247-692-11	CARBON	22 5% 1/4W	R324	1-249-441-11	CARBON	100K 5% 1/6W
R166	1-249-397-11	CARBON	22 5% 1/6W	R326	1-249-441-11	CARBON	100K 5% 1/6W
R167	1-249-397-11	CARBON	22 5% 1/6W	R327	1-249-423-11	CARBON	3.3K 5% 1/6W
R168	1-249-397-11	CARBON	22 5% 1/6W	R328	1-249-423-11	CARBON	3.3K 5% 1/6W
R169	1-249-397-11	CARBON	22 5% 1/6W	R329	1-249-423-11	CARBON	3.3K 5% 1/6W
R170	1-249-397-11	CARBON	22 5% 1/6W	R330	1-249-417-11	CARBON	1K 5% 1/6W
R171	1-249-397-11	CARBON	22 5% 1/6W	R331	1-215-493-00	CARBON	1M 5% 1/6W
R172	1-249-397-11	CARBON	22 5% 1/6W	R332	1-215-479-00	CARBON	270K 5% 1/6W
R173	1-249-397-11	CARBON	22 5% 1/6W	R333	1-249-414-11	CARBON	560 5% 1/6W
R174	1-249-429-11	CARBON	10K 5% 1/6W	R334	1-247-883-00	CARBON	150K 5% 1/6W
R175	1-249-429-11	CARBON	10K 5% 1/6W	R335	1-249-413-11	CARBON	470 5% 1/6W
R176	1-247-725-11	CARBON	10K 5% 1/4W	R336	1-249-409-11	CARBON	220 5% 1/6W
R177	1-249-433-11	CARBON	22K 5% 1/6W	R337	1-249-427-11	CARBON	6.8K 5% 1/6W
R178	1-249-433-11	CARBON	22K 5% 1/6W	R338	1-249-421-11	CARBON	2.2K 5% 1/6W
R179	1-249-425-11	CARBON	4.7K 5% 1/6W	R339	1-249-417-11	CARBON	1K 5% 1/6W
R181	1-249-435-11	CARBON	33K 5% 1/6W	R340	1-249-421-11	CARBON	2.2K 5% 1/6W
R182	1-247-849-00	CARBON	5.6K 5% 1/6W	R341	1-249-422-11	CARBON	2.7K 5% 1/6W
R183	1-249-433-11	CARBON	22K 5% 1/6W	R342	1-249-428-11	CARBON	8.2K 5% 1/6W
R184	1-249-435-11	CARBON	33K 5% 1/6W	R343	1-249-433-11	CARBON	22K 5% 1/6W
R185	1-247-713-11	CARBON	1K 5% 1/4W	R345	1-249-439-11	CARBON	68K 5% 1/6W
R186	1-249-417-11	CARBON	1K 5% 1/6W	R346	1-247-849-00	CARBON	5.6K 5% 1/6W
R187	1-249-417-11	CARBON	1K 5% 1/6W	R350	1-249-413-11	CARBON	470 5% 1/6W
R188	1-249-417-11	CARBON	1K 5% 1/6W	R351	1-249-405-11	CARBON	100 5% 1/6W
R189	1-249-417-11	CARBON	1K 5% 1/6W	R352	1-249-433-11	CARBON	22K 5% 1/6W
R190	1-249-417-11	CARBON	1K 5% 1/6W	R353	1-249-420-11	CARBON	1.8K 5% 1/6W
R191	1-249-414-11	CARBON	560 5% 1/6W	R354	1-249-435-11	CARBON	33K 5% 1/6W
R192	1-249-417-11	CARBON	1K 5% 1/6W	R355	1-249-433-11	CARBON	22K 5% 1/6W
R193	1-249-423-11	CARBON	3.3K 5% 1/6W	R356	1-249-437-11	CARBON	47K 5% 1/6W
R194	1-249-423-11	CARBON	3.3K 5% 1/6W	R357	1-249-430-11	CARBON	12K 5% 1/6W
R195	1-249-421-11	CARBON	2.2K 5% 1/6W	R358	1-249-435-11	CARBON	33K 5% 1/6W
R196	1-249-414-11	CARBON	560 5% 1/6W	R359	1-247-883-00	CARBON	150K 5% 1/6W
R197	1-249-421-11	CARBON	2.2K 5% 1/6W	R360	1-247-708-11	CARBON	470 5% 1/4W
R198	1-249-405-11	CARBON	100 5% 1/6W	R361	1-249-417-11	CARBON	1K 5% 1/6W
R199	1-249-417-11	CARBON	1K 5% 1/6W	R362	1-249-429-11	CARBON	10K 5% 1/6W
R303	1-249-469-11	CARBON	100K 5% 1/4W	R363	1-249-417-11	CARBON	1K 5% 1/6W
R304	1-249-436-11	CARBON	39K 5% 1/6W	R364	1-249-412-11	CARBON	390 5% 1/6W
R305	1-247-883-00	CARBON	150K 5% 1/6W	R365	1-247-723-11	CARBON	6.8K 5% 1/4W
R306	1-249-435-11	CARBON	33K 5% 1/6W	R366	1-247-891-00	CARBON	330K 5% 1/6W
R308	1-249-409-11	CARBON	220 5% 1/6W	R367	1-249-437-11	CARBON	47K 5% 1/6W
R310	1-247-722-11	CARBON	5.6K 5% 1/4W	R368	1-249-428-11	CARBON	8.2K 5% 1/6W
R311	1-249-439-11	CARBON	68K 5% 1/6W	R370	1-249-419-11	CARBON	1.5K 5% 1/6W
R312	1-249-439-11	CARBON	68K 5% 1/6W	R371	1-249-435-11	CARBON	33K 5% 1/6W



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R372	1-249-441-11	CARBON	100K 5% 1/6W	R438	1-249-431-11	CARBON	15K 5% 1/6W
R373	1-249-435-11	CARBON	33K 5% 1/6W	R439	1-249-418-11	CARBON	1.2K 5% 1/6W
R374	1-249-435-11	CARBON	33K 5% 1/6W	R440	1-249-417-11	CARBON	1K 5% 1/6W
R375	1-249-423-11	CARBON	3.3K 5% 1/6W	R441	1-249-420-11	CARBON	1.8K 5% 1/6W
R377	1-249-409-11	CARBON	220 5% 1/6W	R442	1-249-421-11	CARBON	2.2K 5% 1/6W
R378	1-249-414-11	CARBON	560 5% 1/6W	R443	1-249-408-11	CARBON	180 5% 1/6W
R379	1-249-429-11	CARBON	10K 5% 1/6W	R444	1-249-439-11	CARBON	68K 5% 1/6W
R380	1-249-437-11	CARBON	47K 5% 1/6W	R445	1-249-431-11	CARBON	15K 5% 1/6W
R381	1-249-440-11	CARBON	82K 5% 1/6W	R446	1-249-417-11	CARBON	1K 5% 1/6W
R382	1-249-438-11	CARBON	56K 5% 1/6W	R447	1-249-414-11	CARBON	560 5% 1/6W
R383	1-215-479-00	CARBON	270K 5% 1/6W	R448	1-249-393-11	CARBON	10 5% 1/6W
R384	1-249-425-11	CARBON	4.7K 5% 1/6W	R449	1-249-418-11	CARBON	1.2K 5% 1/6W
R385	1-249-414-11	CARBON	560 5% 1/6W	R450	1-249-419-11	CARBON	1.5K 5% 1/6W
R386	1-249-429-11	CARBON	10K 5% 1/6W	R451	1-249-420-11	CARBON	1.8K 5% 1/6W
R387	1-249-417-11	CARBON	1K 5% 1/6W	R452	1-249-393-11	CARBON	10 5% 1/6W
R388	1-215-483-00	CARBON	390K 5% 1/6W	R453	1-249-419-11	CARBON	1.5K 5% 1/6W
R389	1-249-433-11	CARBON	22K 5% 1/6W	R454	1-249-419-11	CARBON	1.5K 5% 1/6W
R390	1-249-433-11	CARBON	22K 5% 1/6W	R456	1-249-409-11	CARBON	220 5% 1/6W
R391	1-249-437-11	CARBON	47K 5% 1/6W	R457	1-249-435-11	CARBON	33K 5% 1/6W
R392	1-249-431-11	CARBON	15K 5% 1/6W	R458	1-249-425-11	CARBON	4.7K 5% 1/6W
R393	1-249-435-11	CARBON	33K 5% 1/6W	R460	1-249-436-11	CARBON	39K 5% 1/6W
R394	1-249-429-11	CARBON	10K 5% 1/6W	R461	1-249-431-11	CARBON	15K 5% 1/6W
R395	1-247-895-00	CARBON	470K 5% 1/6W	R462	1-249-421-11	CARBON	2.2K 5% 1/6W
R396	1-249-419-11	CARBON	1.5K 5% 1/6W	R463	1-249-422-11	CARBON	2.7K 5% 1/6W
R398	1-249-420-11	CARBON	1.8K 5% 1/6W	R464	1-249-409-11	CARBON	220 5% 1/6W
R401	1-249-412-11	CARBON	390 5% 1/6W	R465	1-249-435-11	CARBON	33K 5% 1/6W
R402	1-247-717-11	CARBON	2.2K 5% 1/4W	R466	1-247-721-11	CARBON	4.7K 5% 1/4W
R403	1-249-427-11	CARBON	6.8K 5% 1/6W	R467	1-215-456-00	CARBON	30K 5% 1/6W
R404	1-249-429-11	CARBON	10K 5% 1/6W	R468	1-249-429-11	CARBON	10K 5% 1/6W
R406	1-249-412-11	CARBON	390 5% 1/6W	R470	1-249-420-11	CARBON	1.8K 5% 1/6W
R410	1-249-422-11	CARBON	2.7K 5% 1/6W	R471	1-249-425-11	CARBON	4.7K 5% 1/6W
R411	1-215-489-00	CARBON	680K 5% 1/6W	R472	1-249-420-11	CARBON	1.8K 5% 1/6W
R412	1-249-417-11	CARBON	1K 5% 1/6W	R473	1-249-425-11	CARBON	4.7K 5% 1/6W
R413	1-249-425-11	CARBON	4.7K 5% 1/6W	R474	1-249-417-11	CARBON	1K 5% 1/6W
R414	1-249-438-11	CARBON	56K 5% 1/6W	R475	1-249-405-11	CARBON	100 5% 1/6W
R415	1-249-429-11	CARBON	10K 5% 1/6W	R476	1-249-416-11	CARBON	820 5% 1/6W
R418	1-247-720-11	CARBON	3.9K 5% 1/4W	R477	1-249-413-11	CARBON	470 5% 1/6W
R419	1-249-429-11	CARBON	10K 5% 1/6W	R478	1-249-421-11	CARBON	2.2K 5% 1/6W
R420	1-249-412-11	CARBON	390 5% 1/6W	R479	1-249-421-11	CARBON	2.2K 5% 1/6W
R421	1-249-438-11	CARBON	56K 5% 1/6W	R480	1-249-429-11	CARBON	10K 5% 1/6W
R422	1-249-427-11	CARBON	6.8K 5% 1/6W	R481	1-249-429-11	CARBON	10K 5% 1/6W
R425	1-249-408-11	CARBON	180 5% 1/6W	R482	1-249-421-11	CARBON	2.2K 5% 1/6W
R426	1-249-435-11	CARBON	33K 5% 1/6W	R483	1-249-421-11	CARBON	2.2K 5% 1/6W
R427	1-249-423-11	CARBON	3.3K 5% 1/6W	R484	1-249-433-11	CARBON	22K 5% 1/6W
R429	1-249-429-11	CARBON	10K 5% 1/6W	R485	1-249-417-11	CARBON	1K 5% 1/6W
R430	1-249-423-11	CARBON	3.3K 5% 1/6W	R486	1-249-435-11	CARBON	33K 5% 1/6W
R431	1-249-425-11	CARBON	4.7K 5% 1/6W	R487	1-249-435-11	CARBON	33K 5% 1/6W
R432	1-249-428-11	CARBON	8.2K 5% 1/6W	R488	1-249-435-11	CARBON	33K 5% 1/6W
R433	1-249-428-11	CARBON	8.2K 5% 1/6W	R1100	1-249-405-11	CARBON	100 5% 1/6W
R434	1-249-418-11	CARBON	1.2K 5% 1/6W	R1101	1-249-437-11	CARBON	47K 5% 1/6W
R435	1-249-417-11	CARBON	1K 5% 1/6W	R1102	1-249-429-11	CARBON	10K 5% 1/6W
R436	1-249-421-11	CARBON	2.2K 5% 1/6W	R1105	1-249-431-11	CARBON	15K 5% 1/6W
R437	1-249-431-11	CARBON	15K 5% 1/6W	R1106	1-249-399-11	CARBON	33 5% 1/6W



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R1107	1-249-437-11	CARBON	47K 5% 1/6W	R1367	1-202-730-00	SOLID	8.2M 10% 1/2W
R1108	1-249-405-11	CARBON	100 5% 1/6W	R1368	1-249-411-11	CARBON	330 5% 1/6W
R1109	1-249-429-11	CARBON	10K 5% 1/6W	R1369	1-249-413-11	CARBON	470 5% 1/6W
R1110	1-249-430-11	CARBON	12K 5% 1/6W	R1370	1-249-409-11	CARBON	220 5% 1/6W
R1111	1-249-437-11	CARBON	47K 5% 1/6W	R1371	1-249-413-11	CARBON	470 5% 1/6W
R1112	1-249-441-11	CARBON	100K 5% 1/6W	R1375	1-249-425-11	CARBON	4.7K 5% 1/6W
R1114	1-249-393-11	CARBON	10 5% 1/6W	R1376	1-215-479-00	CARBON	270K 5% 1/6W
R1115	1-249-425-11	CARBON	4.7K 5% 1/6W	R1377	1-249-434-11	CARBON	27K 5% 1/6W
R1304	1-247-704-11	CARBON	220 5% 1/4W	R1378	1-249-410-11	CARBON	270 5% 1/6W
R1305	1-247-704-11	CARBON	220 5% 1/4W	R1379	1-249-405-11	CARBON	100 5% 1/6W
R1306	1-247-704-11	CARBON	220 5% 1/4W	R1401	1-249-433-11	CARBON	22K 5% 1/6W
R1307	1-247-704-11	CARBON	220 5% 1/4W	R1402	1-249-433-11	CARBON	22K 5% 1/6W
R1308	1-249-429-11	CARBON	10K 5% 1/6W	R1403	1-249-433-11	CARBON	22K 5% 1/6W
R1309	1-247-704-11	CARBON	220 5% 1/4W	R1404	1-249-433-11	CARBON	22K 5% 1/6W
R1310	1-249-437-11	CARBON	47K 5% 1/6W	R1405	1-249-437-11	CARBON	47K 5% 1/6W
R1311	1-249-409-11	CARBON	220 5% 1/6W	R1406	1-249-437-11	CARBON	47K 5% 1/6W
R1312	1-247-887-00	CARBON	220K 5% 1/6W	R1407	1-249-437-11	CARBON	47K 5% 1/6W
R1313	1-247-725-11	CARBON	10K 5% 1/4W	R1408	1-249-437-11	CARBON	47K 5% 1/6W
R1314	1-249-429-11	CARBON	10K 5% 1/6W	R1409	1-247-704-11	CARBON	220 5% 1/4W F
R1315	1-249-435-11	CARBON	33K 5% 1/6W	R1410	1-249-421-11	CARBON	2.2K 5% 1/6W
R1316	1-249-435-11	CARBON	33K 5% 1/6W	R1411	1-247-725-11	CARBON	10K 5% 1/4W
R1317	1-249-417-11	CARBON	1K 5% 1/6W	R1412	1-249-429-11	CARBON	10K 5% 1/6W
R1318	1-249-417-11	CARBON	1K 5% 1/6W	R1413	1-249-421-11	CARBON	2.2K 5% 1/6W
R1319	1-249-417-11	CARBON	1K 5% 1/6W				
R1320	1-249-409-11	CARBON	220 5% 1/6W	VARIABLE RESISTOR			
R1322	1-249-440-11	CARBON	82K 5% 1/6W	RV301	1-230-626-41	RES, ADJ, CARBON	470
R1323	1-249-429-11	CARBON	10K 5% 1/6W	RV302	1-230-631-11	RES, ADJ, CARBON	22K
R1324	1-247-881-00	CARBON	120K 5% 1/6W	RV303	1-230-630-11	RES, ADJ, CARBON	10K
R1325	1-249-409-11	CARBON	220 5% 1/6W	RV318	1-230-271-00	RES, ADJ, CARBON	4.7K
R1326	1-249-409-11	CARBON	220 5% 1/6W	RV1301	1-230-628-11	RES, ADJ, CARBON	2.2K
R1327	1-215-493-00	CARBON	1M 5% 1/6W	RV1302	1-230-628-11	RES, ADJ, CARBON	2.2K
R1328	1-249-417-11	CARBON	1K 5% 1/6W				
R1329	1-249-437-11	CARBON	47K 5% 1/6W	TRANSFORMER			
R1330	1-249-417-11	CARBON	1K 5% 1/6W	T301	1-404-524-11	DAT	
R1331	1-247-849-00	CARBON	5.6K 5% 1/6W	T401	1-404-584-11	COIL	
R1332	1-249-437-11	CARBON	47K 5% 1/6W				
R1333	1-215-430-00	CARBON	2.4K 5% 1/6W	CRYSTAL			
R1334	1-249-429-11	CARBON	10K 5% 1/6W	X101	1-567-192-11	OSCILLATOR, CERAMIC	
R1335	1-249-409-11	CARBON	220 5% 1/6W	X358	1-567-505-11	OSCILLATOR, CRYSTAL	
R1337	1-249-405-11	CARBON	100 5% 1/6W	X443	1-567-504-11	OSCILLATOR, CRYSTAL	
R1339	1-249-419-11	CARBON	1.5K 5% 1/6W	*****			
R1340	1-249-409-11	CARBON	220 5% 1/6W	*A-1245-395-A	FA BOARD, COMPLETE (AEP,AUS ONLY)		
R1341	1-249-437-11	CARBON	47K 5% 1/6W	*****			
R1342	1-249-405-11	CARBON	100 5% 1/6W	*A-1245-414-A	FA BOARD, COMPLETE (WG ONLY)		
R1344	1-247-838-00	CARBON	2K 5% 1/6W	*****			
R1345	1-249-409-11	CARBON	220 5% 1/6W	CAPACITOR			
R1347	1-249-405-11	CARBON	100 5% 1/6W	C601	1-136-360-51	FILM	0.22MF 20% 250V
R1360	1-249-414-11	CARBON	560 5% 1/6W	C607	1-161-738-00	CERAMIC	0.0047MF 20% 400V
R1362	1-249-414-11	CARBON	560 5% 1/6W	C608	1-161-738-12	CERAMIC	0.0047MF 20% 400V
R1363	1-215-491-00	CARBON	820K 5% 1/6W	C610	1-125-222-21	ELECT(BLOCK)	330MF 20% 400V
R1364	1-249-424-11	CARBON	3.9K 5% 1/6W	C617	1-161-738-00	CERAMIC	0.0047MF 20% 400V
R1365	1-249-437-11	CARBON	47K 5% 1/6W	C618	1-102-030-00	CERAMIC	330PF 10% 500V
R1366	1-249-422-11	CARBON	2.7K 5% 1/6W				

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

FA

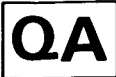
Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C619	1-129-743-00	FILM	0.022MF 10%				
C620	1-124-126-00	ELECT	47MF 20%				
C621	1-130-062-00	FILM	0.0056MF 5%				
C622	1-124-344-91	ELECT	22MF 20%				
C623	1-161-973-00	CERAMIC	220PF 10%				
C624	1-161-973-00	CERAMIC	220PF 10%				
C632	1-102-002-00	CERAMIC	680PF 10%				
C651	1-162-115-00	CERAMIC	330PF 10%				
C652	1-125-294-00	ELECT(BLOCK)	560MF 20%				
C653	1-123-364-00	ELECT	1000MF 20%				
C654	1-123-338-00	ELECT	2200MF 20%				
C655	1-123-338-00	ELECT	2200MF 20%				
C656	1-162-318-11	CERAMIC	0.001MF 10%				
C658	1-124-126-00	ELECT	47MF 20%				
C659	1-102-030-00	CERAMIC	330PF 10%				
C661	1-123-333-00	ELECT	100MF 20%				
C662	1-136-332-11	FILM	0.01MF 5%				
C663	1-124-038-00	ELECT	1MF 20%				
C664	1-124-038-00	ELECT	1MF 20%				
C666	1-124-123-00	ELECT	100MF 20%				
C667	1-102-121-00	CERAMIC	0.0022MF 10%				
C668	▲ 1-136-360-51	FILM	0.22MF 20%				
C669	▲ 1-161-738-12	CERAMIC	0.0047MF 20%				
C670	▲ 1-161-738-12	CERAMIC	0.0047MF 20%				
C671	▲ 1-161-738-12	CERAMIC	0.0047MF 20%				
C672	▲ 1-161-738-12	CERAMIC	0.0047MF 20%				
C673	▲ 1-161-738-12	CERAMIC	0.0047MF 20%				
C674	▲ 1-136-360-51	FILM	0.22MF 20%				
C677	1-136-173-00	FILM	0.47MF 5%				
C682	1-130-062-00	FILM	0.0056MF 5%				
C686	1-136-173-00	FILM	0.47MF 5%				
<u>DIODE</u>							
D601	8-719-503-06	DIODE S3WB60Z					
D602	8-719-100-65	DIODE RD12E-B2					
D605	8-719-924-06	DIODE ERC24-06S					
D607	8-719-815-55	DIODE 1S1555					
D608	8-719-815-55	DIODE 1S1555					
D609	8-719-925-06	DIODE ERC25-06S					
D651	8-719-900-26	DIODE ERD29-08J					
D653	8-719-300-59	DIODE CTU-12S					
D654	8-719-300-59	DIODE CTU-12S					
	*4-347-706-00	HEAT SINK (TR); D654					
D655	8-719-000-12	DIODE MC931					
D656	8-719-300-59	DIODE CTU-12S					
	*4-347-706-00	HEAT SINK (TR); D656					
D658	8-719-110-03	DIODE RD7.5ES-B2					
D659	8-719-110-03	DIODE RD7.5ES-B2					
D660	8-719-815-55	DIODE 1S1555					
D661	8-719-815-55	DIODE 1S1555					
D663	8-719-109-93	DIODE RD6.2ES-B2					
D664	8-719-100-65	DIODE RD12E-B2					
				<u>FUSE</u>			
F601	▲ 1-532-299-11	FUSE, TIME-LAG 5A/250V					
	*1-533-189-11	HOLDER, FUSE; F601					
				<u>CONNECTOR</u>			
FA1	*1-506-348-XX	3P PLUG (L)					
FA2	*1-506-348-XX	3P PLUG (L)					
FA3	*1-508-765-00	3P PLUG (M)					
FA4	*1-508-767-00	5P PLUG					
FA6	*1-508-765-00	3P PLUG (M)					
FA7	*1-566-058-11	PIN, CONNECTOR 6P					
FA9	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P					
FA10	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P					
				<u>IC</u>			
IC602	8-719-800-82	DIODE TLP581					
IC651	8-759-145-58	IC UPC4558C					
				<u>COIL</u>			
L601	1-407-365-00	COIL, CHOKE					
L652	1-407-780-00	COIL, SPOCK CHOKE					
				<u>IC LINK</u>			
PS651	1-532-675-00	LINK, IC					
PS652	1-532-686-00	LINK, IC					
PS654	1-532-637-00	LINK, IC					
				<u>TRANSISTOR</u>			
Q601	8-729-195-82	TRANSISTOR 2SC2958					
Q602	8-729-802-07	TRANSISTOR 2SD1403-CA					
	3-701-833-01	HEAD, WASHER, TAPPING SCREW; Q602					
	4-365-216-00	SPACER, MICA; Q602					
Q651	8-729-109-53	TRANSISTOR 2SD795A					
	*4-347-706-00	HEAT SINK (TR); Q651					
Q652	8-729-178-54	TRANSISTOR 2SC2785					
				<u>RESISTOR</u>			
R601	▲ 1-217-328-11	WIREWOUND	2.7 10%	7W	F		
R604	▲ 1-247-289-11	CARBON	8.2M 5%	1W			
R609	1-215-894-11	METAL OXIDE	2.2K 5%	2W	F		
R612	1-215-904-11	METAL OXIDE	100K 5%	2W	F		
R613	1-215-895-11	METAL OXIDE	3.3K 5%	2W	F		
R614	1-216-458-11	METAL OXIDE	1.8K 5%	2W	F		
R615	1-205-737-00	CEMENTED	30 10%	7W			
R623	1-247-718-11	CARBON	2.7K 5%	1/4W			
R627	1-249-409-11	CARBON	220 5%	1/6W			
R628	1-215-479-00	CARBON	270K 5%	1/6W			
R629	1-249-427-11	CARBON	6.8K 5%	1/6W			
R630	1-247-692-11	CARBON	22 5%	1/4W	F		
R631	1-217-352-11	WIREWOUND	390 10%	7W	F		
R632	1-217-192-00	WIREWOUND	0.22 10%	2W	F		
R652	1-216-430-11	METAL OXIDE	390 5%	1W	F		

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

FA FC QA

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>				<u>Remark</u>	<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>				<u>Remark</u>
R653	1-249-425-11	CARBON	4.7K	5%	1/6W			DIODE					
R654	1-216-464-11	METAL OXIDE	18K	5%	2W	F		D603 8-719-815-55 DIODE 1S1555					
R662	1-249-436-11	CARBON	39K	5%	1/6W		D604	8-759-157-40	IC UPC574J				
R663	1-249-430-11	CARBON	12K	5%	1/6W		D606	8-719-911-19	DIODE 1S5119				
R664	1-249-441-11	CARBON	100K	5%	1/6W			CONNECTOR					
R665	1-215-436-00	METAL	4.3K	1%	1/6W		FC1	*1-562-516-11	CONNECTOR, BOARD TO BOARD 5P				
R666	1-247-713-11	CARBON	1K	5%	1/4W		FC2	*1-562-516-11	CONNECTOR, BOARD TO BOARD 5P				
R667	1-247-703-11	CARBON	180	5%	1/4W			IC					
R669	1-247-720-11	CARBON	3.9K	5%	1/4W		IC601	8-759-100-75	IC UPC1394C				
R670	1-249-421-11	CARBON	2.2K	5%	1/6W			TRANSISTOR					
R671	<u>Δ</u> 1-205-758-11	CEMENTED	100	10%	10W	F	Q603	8-729-178-54	TRANSISTOR 2SC2785				
R673	<u>Δ</u> 1-244-945-91	CARBON	1M	5%	1/2W	F		RESISTOR					
R676	1-205-758-11	CEMENTED	100	10%	10W	F	R605	1-247-891-00	CARBON	330K	5%	1/6W	
R677	1-216-346-00	METAL OXIDE	0.56	5%	1W	F	R606	1-249-433-11	CARBON	22K	5%	1/6W	
R678	1-247-749-11	CARBON	560	5%	1/2W	F	R608	1-249-421-11	CARBON	2.2K	5%	1/6W	
R679	1-215-924-00	METAL OXIDE	15K	5%	3W	F	R611	1-215-457-00	METAL	33K	1%	1/6W	
R680	1-217-353-11	WIREFOUND	470	10%	7W	F	R616	1-215-452-00	CARBON	20K	5%	1/6W	
R681	1-246-403-75	CARBON	1.2	5%	1/4W		R621	1-249-429-11	CARBON	10K	5%	1/6W	
R683	1-216-488-11	METAL OXIDE	18K	5%	3W	F	R622	1-249-433-11	CARBON	22K	5%	1/6W	
R684	1-246-403-75	CARBON	1.2	5%	1/4W		R624	1-249-425-11	CARBON	4.7K	5%	1/6W	
		VARIABLE RESISTOR					R625	1-249-441-11	CARBON	100K	5%	1/6W	
RV651	1-230-230-00	RES, ADJ, CERAMIC CARBON 1K					R626	1-247-712-11	CARBON	820	5%	1/4W	
RV652	1-226-702-00	RES, ADJ, METAL GLAZE 2.2K					R633	1-247-887-00	CARBON	220K	5%	1/6W	
		TRANSFORMER					R634	1-249-437-11	CARBON	47K	5%	1/6W	
T601	<u>Δ</u> 1-421-758-11	TRANSFORMER, LINE FILTER (LFT) (AEP,AUS ONLY)					R636	1-215-471-00	METAL	120K	1%	1/6W	
	<u>Δ</u> 1-421-974-11	TRANSFORMER, LINE FILTER (WG ONLY)					R637	1-249-433-11	CARBON	22K	5%	1/6W	
T602	<u>Δ</u> 1-421-758-11	TRANSFORMER, LINE FILTER (LFT) (AEP,AUS ONLY)					R638	1-215-435-00	METAL	3.9K	1%	1/6W	
	<u>Δ</u> 1-421-974-11	TRANSFORMER, LINE FILTER (WG ONLY)					R639	1-249-425-11	CARBON	4.7K	5%	1/6W	
T603	<u>Δ</u> 1-437-079-11	TRANSFORMER, HORIZONTAL DRIVE					R674	1-249-440-11	CARBON	82K	5%	1/6W	
T605	<u>Δ</u> 1-448-931-11	SRT						THERMISTOR					
T607	1-421-975-11	TRANSFORMER, LINE FILTER (WG ONLY)					TH601	<u>Δ</u> 1-800-944-11	THERMISTOR TH-4700				
		THERMISTOR						*****					
TH651	1-800-944-00	THERMISTOR TH-4700					*A-1270-212-A	QA BOARD, COMPLETE (AEP,AUS ONLY) *****					
THP601	<u>Δ</u> 1-806-387-11	THERMISTOR (POSITIVE)					*A-1270-223-A	QA BOARD, COMPLETE (WG ONLY) *****					
THP602	<u>Δ</u> 1-806-387-11	THERMISTOR (POSITIVE)					1-537-075-11	TERMINAL BOARD, INPUT/OUTPUT					
		*****					1-537-076-11	TERMINAL BOARD, INPUT/OUTPUT					
*1-621-548-11	FC BOARD	*****						CAPACITOR					
3-670-570-41	SPACER, SUPPORT						C1700	1-124-236-00	ELECT	47MF	20%	16V	
		CAPACITOR					C1701	1-124-247-00	ELECT	10MF	20%	25V	
C611	1-106-220-00	MYLAR	0.1MF	10%	100V		C1702	1-124-247-00	ELECT	10MF	20%	25V	
C612	1-106-351-00	MYLAR	0.0022MF	5%	50V		C1703	1-124-236-00	ELECT	47MF	20%	16V	
C613	1-123-356-00	ELECT	10MF	20%	16V		C1704	1-124-247-00	ELECT	10MF	20%	25V	
C614	1-123-875-91	ELECT	10MF	20%	50V		C1705	1-124-247-00	ELECT	10MF	20%	25V	
C615	1-102-074-00	CERAMIC	0.001MF	10%	50V								
C616	1-123-875-91	ELECT	10MF	20%	50V								
C625	1-123-380-00	ELECT	1MF	20%	50V								
C627	1-136-153-00	FILM	0.01MF	5%	50V								
C628	1-102-820-00	CERAMIC	330PF	5%	50V								
C634	1-106-220-00	MYLAR	0.1MF	10%	100V								

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



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C1706	1-124-247-00	ELECT	10MF 20% 25V	R1705	1-247-104-00	CARBON	75 5% 1/4W
C1707	1-124-247-00	ELECT	10MF 20% 25V	R1706	1-249-417-11	CARBON	1K 5% 1/6W
C1708	1-124-236-00	ELECT	47MF 20% 16V	R1707	1-215-491-00	CARBON	820K 5% 1/6W
C1709	1-124-247-00	ELECT	10MF 20% 25V	R1708	1-249-417-11	CARBON	1K 5% 1/6W
C1710	1-102-965-00	CERAMIC	39PF 5% 50V	R1709	1-215-491-00	CARBON	820K 5% 1/6W
C1712	1-102-965-00	CERAMIC	39PF 5% 50V	R1710	1-247-104-00	CARBON	75 5% 1/4W
C1714	1-102-965-00	CERAMIC	39PF 5% 50V	R1711	1-249-414-11	CARBON	560 5% 1/6W
C1715	1-124-247-00	ELECT	10MF 20% 25V	R1712	1-247-895-00	CARBON	470K 5% 1/6W
C1716	1-124-247-00	ELECT	10MF 20% 25V	R1713	1-249-414-11	CARBON	560 5% 1/6W
C1717	1-124-247-00	ELECT	10MF 20% 25V	R1714	1-247-895-00	CARBON	470K 5% 1/6W
C1718	1-124-247-00	ELECT	10MF 20% 25V	R1715	1-247-104-00	CARBON	75 5% 1/4W
C1719	1-124-236-00	ELECT	47MF 20% 16V	R1716	1-249-417-11	CARBON	1K 5% 1/6W
C1720	1-124-236-00	ELECT	47MF 20% 16V	R1717	1-215-491-00	CARBON	820K 5% 1/6W
C1721	1-124-236-00	ELECT	47MF 20% 16V	R1718	1-247-708-11	CARBON	470 5% 1/4W
C1722	1-124-236-00	ELECT	47MF 20% 16V	R1719	1-249-408-11	CARBON	180 5% 1/6W
C1723	1-124-247-00	ELECT	10MF 20% 25V	R1720	1-249-421-11	CARBON	2.2K 5% 1/6W
C1728	1-102-973-00	CERAMIC	100PF 5% 50V	R1721	1-247-708-11	CARBON	470 5% 1/4W
C1729	1-102-973-00	CERAMIC	100PF 5% 50V	R1722	1-249-408-11	CARBON	180 5% 1/6W
C1731	1-102-973-00	CERAMIC	100PF 5% 50V	R1723	1-249-421-11	CARBON	2.2K 5% 1/6W
C1732	1-102-973-00	CERAMIC	100PF 5% 50V	R1724	1-247-708-11	CARBON	470 5% 1/4W
C1738	1-102-973-00	CERAMIC	100PF 5% 50V	R1725	1-249-408-11	CARBON	180 5% 1/6W
C1743	1-102-973-00	CERAMIC	100PF 5% 50V	R1726	1-247-895-00	CARBON	470K 5% 1/6W
C1744	1-102-973-00	CERAMIC	100PF 5% 50V	R1727	1-247-713-11	CARBON	1K 5% 1/4W
C1747	1-102-965-00	CERAMIC	39PF 5% 50V	R1728	1-215-491-00	CARBON	820K 5% 1/6W
C1748	1-102-965-00	CERAMIC	39PF 5% 50V	R1729	1-247-710-11	CARBON	560 5% 1/4W
C1749	1-102-965-00	CERAMIC	39PF 5% 50V	R1730	1-247-895-00	CARBON	470K 5% 1/6W
C1750	1-102-965-00	CERAMIC	39PF 5% 50V	R1731	1-247-713-11	CARBON	1K 5% 1/4W
C1752	1-102-973-00	CERAMIC	100PF 5% 50V	R1732	1-215-491-00	CARBON	820K 5% 1/6W
C1753	1-102-965-00	CERAMIC	39PF 5% 50V	R1733	1-247-104-00	CARBON	75 5% 1/4W
		<u>DIODE</u>		R1735	1-247-104-00	CARBON	75 5% 1/4W
D1703	8-719-100-38	DIODE RD6.2E-B2		R1736	1-247-104-00	CARBON	75 5% 1/4W
D1706	8-719-100-38	DIODE RD6.2E-B2		R1737	1-247-104-00	CARBON	75 5% 1/4W
D1707	8-719-100-38	DIODE RD6.2E-B2		R1738	1-249-417-11	CARBON	1K 5% 1/6W
D1708	8-719-100-38	DIODE RD6.2E-B2		R1739	1-247-104-00	CARBON	75 5% 1/4W
D1709	8-719-100-38	DIODE RD6.2E-B2		R1740	1-249-429-11	CARBON	10K 5% 1/6W
D1710	8-719-100-38	DIODE RD6.2E-B2		R1742	1-249-412-11	CARBON	390 5% 1/6W
D1711	8-719-100-38	DIODE RD6.2E-B2		R1743	1-247-713-11	CARBON	1K 5% 1/4W
		<u>JACK</u>		R1744	1-215-491-00	CARBON	820K 5% 1/6W
J25	1-561-534-41	SOCKET 21P		R1745	1-249-429-11	CARBON	10K 5% 1/6W
		<u>COIL</u>		R1746	1-249-406-11	CARBON	120 5% 1/6W
L1770	1-408-604-00	MICRO INDUCTOR 12UH (WG ONLY)		R1750	1-249-417-11	CARBON	1K 5% 1/6W
		<u>CONNECTOR</u>		R1751	1-247-104-00	CARBON	75 5% 1/4W
QA1	*1-566-055-11	PIN, CONNECTOR 3P		R1752	1-249-401-11	CARBON	47 5% 1/6W
QA2	*1-560-278-00	PLUG, CONNECTOR 3P		R1753	1-249-401-11	CARBON	47 5% 1/6W
		<u>RESISTOR</u>		R1754	1-249-401-11	CARBON	47 5% 1/6W
R1700	1-247-104-00	CARBON	75 5% 1/4W	R1755	1-249-418-11	CARBON	1.2K 5% 1/6W
R1701	1-249-417-11	CARBON	1K 5% 1/6W	R1756	1-249-418-11	CARBON	1.2K 5% 1/6W
R1702	1-215-491-00	CARBON	820K 5% 1/6W	R1760	1-215-483-00	CARBON	390K 5% 1/6W
R1703	1-249-417-11	CARBON	1K 5% 1/6W	R1761	1-215-483-00	CARBON	390K 5% 1/6W
R1704	1-215-491-00	CARBON	820K 5% 1/6W	R1762	1-215-483-00	CARBON	390K 5% 1/6W
				R1763	1-215-483-00	CARBON	390K 5% 1/6W
				R1768	1-249-406-11	CARBON	120 5% 1/6W
				R1769	1-247-710-11	CARBON	560 5% 1/4W



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark	
<u>SWITCH</u>				<u>DIODE</u>				
SW1	1-570-145-11	SWITCH, SLIDE		D1770	8-719-911-19	DIODE 1SS119		
SW2	1-570-145-11	SWITCH, SLIDE		D1771	8-719-911-19	DIODE 1SS119		
SW3	1-570-145-11	SWITCH, SLIDE		D1772	8-719-911-19	DIODE 1SS119		
SW4	1-570-145-11	SWITCH, SLIDE		D1773	8-719-911-19	DIODE 1SS119		
SW5	1-570-145-11	SWITCH, SLIDE		D1774	8-719-911-19	DIODE 1SS119		

	*A-1270-213-A	QB BOARD, COMPLETE		D1775	8-719-911-19	DIODE 1SS119		
		*****		D1776	8-719-911-19	DIODE 1SS119		
				D1777	8-719-911-19	DIODE 1SS119		
				D1780	8-719-911-19	DIODE 1SS119		
				D1781	8-719-911-19	DIODE 1SS119		
<u>CAPACITOR</u>				<u>IC</u>				
C1777	1-102-074-00	CERAMIC	0.001MF	10%	50V	D1782	8-719-911-19	DIODE 1SS119
C1778	1-102-074-00	CERAMIC	0.001MF	10%	50V	D1783	8-719-931-06	DIODE EQB01-06
C1779	1-124-475-11	ELECT	470MF	20%	16V	D1784	8-719-110-14	DIODE RD9.1ES-B3
C1781	1-101-004-00	CERAMIC	0.01MF		50V	D1787	8-719-109-90	DIODE RD5.6ES-B3
C1788	1-124-247-00	ELECT	10MF	20%	25V	D1788	8-719-911-19	DIODE 1SS119
C1789	1-124-247-00	ELECT	10MF	20%	25V	D1789	8-719-911-19	DIODE 1SS119
C1790	1-124-236-00	ELECT	47MF	20%	16V	<u>IC</u>		
C1791	1-124-236-00	ELECT	47MF	20%	16V	IC1770	8-759-800-65	IC LA7910
C1792	1-102-959-00	CERAMIC	22PF	5%	50V	IC1771	8-759-140-66	IC UPD4066BC
C1793	1-101-004-00	CERAMIC	0.01MF		50V	IC1772	8-759-102-37	IC UPD4052BC
C1794	1-124-236-00	ELECT	47MF	20%	16V	IC1773	8-759-102-37	IC UPD4052BC
C1795	1-101-004-00	CERAMIC	0.01MF		50V	IC1774	8-759-900-86	IC SN74LS86N
C1799	1-124-471-00	ELECT	1000MF	20%	6.3V	IC1775	8-759-901-38	IC SN74LS138N
C1800	1-124-236-00	ELECT	47MF	20%	16V	IC1776	8-759-900-09	IC SN74LS09N
C1801	1-124-475-11	ELECT	470MF	20%	16V	<u>COIL</u>		
C1802	1-102-971-00	CERAMIC	82PF	5%	50V	L1770	1-408-239-00	MICRO INDUCTOR 4.7MMH
C1803	1-124-471-00	ELECT	1000MF	20%	6.3V	<u>TRANSISTOR</u>		
C1804	1-102-971-00	CERAMIC	82PF	5%	50V	Q1773	8-729-117-54	TRANSISTOR 2SA1175
C1806	1-101-361-00	CERAMIC	150PF	5%	50V	Q1774	8-729-178-54	TRANSISTOR 2SC2785
C1807	1-102-111-00	CERAMIC	270PF	10%	50V	Q1775	8-729-117-54	TRANSISTOR 2SA1175
C1808	1-101-004-00	CERAMIC	0.01MF		50V	Q1776	8-729-178-54	TRANSISTOR 2SC2785
C1810	1-124-236-00	ELECT	47MF	20%	16V	Q1777	8-729-178-54	TRANSISTOR 2SC2785
C1811	1-124-236-00	ELECT	47MF	20%	16V	Q1778	8-729-178-54	TRANSISTOR 2SC2785
C1813	1-124-236-00	ELECT	47MF	20%	16V	Q1779	8-729-117-54	TRANSISTOR 2SA1175
C1820	1-124-236-00	ELECT	47MF	20%	16V	Q1780	8-729-117-54	TRANSISTOR 2SA1175
C1821	1-101-004-00	CERAMIC	0.01MF		50V	Q1781	8-729-178-54	TRANSISTOR 2SC2785
C1823	1-124-267-11	ELECT	0.1MF	20%	50V	Q1784	8-729-900-89	TRANSISTOR DTC144ES
C1824	1-124-267-11	ELECT	0.1MF	20%	50V	Q1785	8-729-178-54	TRANSISTOR 2SC2785
C1825	1-124-267-11	ELECT	0.1MF	20%	50V	Q1786	8-729-178-54	TRANSISTOR 2SC2785
C1827	1-101-880-00	CERAMIC	47PF	5%	50V	Q1787	8-729-177-43	TRANSISTOR 2SD774
C1828	1-123-611-00	ELECT	1MF	20%	50V	Q1788	8-729-117-54	TRANSISTOR 2SA1175
C1830	1-124-236-00	ELECT	47MF	20%	16V	Q1789	8-729-178-54	TRANSISTOR 2SC2785
C1831	1-101-004-00	CERAMIC	0.01MF		50V	Q1790	8-729-177-43	TRANSISTOR 2SD774
C1832	1-124-236-00	ELECT	47MF	20%	16V	Q1791	8-729-900-36	TRANSISTOR DTC124ES
C1833	1-101-004-00	CERAMIC	0.01MF		50V	Q1792	8-729-178-54	TRANSISTOR 2SC2785
C1834	1-101-004-00	CERAMIC	0.01MF		50V	Q1793	8-729-117-54	TRANSISTOR 2SA1175
C1835	1-124-236-00	ELECT	47MF	20%	16V	Q1794	8-729-178-54	TRANSISTOR 2SC2785
C1837	1-124-963-11	ELECT	33MF	20%	16V	Q1795	8-729-178-54	TRANSISTOR 2SC2785
C1838	1-101-880-00	CERAMIC	47PF	5%	50V	Q1796	8-729-178-54	TRANSISTOR 2SC2785
C1839	1-124-236-00	ELECT	47MF	20%	16V	Q1797	8-729-178-54	TRANSISTOR 2SC2785
C1840	1-101-004-00	CERAMIC	0.01MF		50V			

QB

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q1798	8-729-117-54	TRANSISTOR 2SA1175		R1785	1-249-441-11	CARBON 100K 5%	1/6W
Q1799	8-729-178-54	TRANSISTOR 2SC2785		R1786	1-249-441-11	CARBON 100K 5%	1/6W
Q1802	8-729-900-36	TRANSISTOR DTC124ES		R1787	1-249-433-11	CARBON 22K 5%	1/6W
Q1803	8-729-178-54	TRANSISTOR 2SC2785		R1788	1-249-413-11	CARBON 470 5%	1/6W
Q1804	8-729-178-54	TRANSISTOR 2SC2785		R1794	1-247-895-00	CARBON 470K 5%	1/6W
Q1805	8-729-178-54	TRANSISTOR 2SC2785		R1795	1-249-422-11	CARBON 2.7K 5%	1/6W
Q1806	8-729-178-54	TRANSISTOR 2SC2785		R1796	1-249-440-11	CARBON 82K 5%	1/6W
Q1807	8-729-178-54	TRANSISTOR 2SC2785		R1797	1-249-434-11	CARBON 27K 5%	1/6W
Q1808	8-729-178-54	TRANSISTOR 2SC2785		R1798	1-249-425-11	CARBON 4.7K 5%	1/6W
Q1809	8-729-178-54	TRANSISTOR 2SC2785		R1799	1-249-419-11	CARBON 1.5K 5%	1/6W
Q1810	8-729-178-54	TRANSISTOR 2SC2785		R1800	1-249-425-11	CARBON 4.7K 5%	1/6W
Q1811	8-729-178-54	TRANSISTOR 2SC2785		R1801	1-249-440-11	CARBON 82K 5%	1/6W
Q1812	8-729-178-54	TRANSISTOR 2SC2785		R1802	1-249-434-11	CARBON 27K 5%	1/6W
Q1813	8-729-178-54	TRANSISTOR 2SC2785		R1804	1-249-429-11	CARBON 10K 5%	1/6W
Q1814	8-729-178-54	TRANSISTOR 2SC2785		R1805	1-249-429-11	CARBON 10K 5%	1/6W
Q1815	8-729-178-54	TRANSISTOR 2SC2785		R1806	1-249-406-11	CARBON 120 5%	1/6W
Q1816	8-729-178-54	TRANSISTOR 2SC2785		R1807	1-247-849-00	CARBON 5.6K 5%	1/6W
Q1817	8-729-178-54	TRANSISTOR 2SC2785		R1808	1-247-849-00	CARBON 5.6K 5%	1/6W
Q1818	8-729-900-36	TRANSISTOR DTC124ES		R1809	1-249-408-11	CARBON 180 5%	1/6W
Q1819	8-729-900-36	TRANSISTOR DTC124ES		R1810	1-215-422-00	CARBON 1.1K 5%	1/6W
Q1820	8-729-900-36	TRANSISTOR DTC124ES		R1811	1-249-413-11	CARBON 470 5%	1/6W
Q1822	8-729-178-54	TRANSISTOR 2SC2785		R1813	1-249-413-11	CARBON 470 5%	1/6W
Q1823	8-729-178-54	TRANSISTOR 2SC2785		R1814	1-249-413-11	CARBON 470 5%	1/6W
Q1825	8-729-178-54	TRANSISTOR 2SC2785		R1815	1-249-412-11	CARBON 390 5%	1/6W
Q1826	8-729-178-54	TRANSISTOR 2SC2785		R1816	1-249-413-11	CARBON 470 5%	1/6W
Q1827	8-729-178-54	TRANSISTOR 2SC2785		R1817	1-215-422-00	CARBON 1.1K 5%	1/6W
Q1828	8-729-178-54	TRANSISTOR 2SC2785		R1819	1-249-413-11	CARBON 470 5%	1/6W
Q1829	8-729-178-54	TRANSISTOR 2SC2785		R1820	1-249-406-11	CARBON 120 5%	1/6W
Q1830	8-729-177-43	TRANSISTOR 2SD774		R1821	1-249-406-11	CARBON 120 5%	1/6W
Q1831	8-729-900-36	TRANSISTOR DTC124ES		R1822	1-249-406-11	CARBON 120 5%	1/6W
Q1832	8-729-178-54	TRANSISTOR 2SC2785		R1823	1-249-406-11	CARBON 120 5%	1/6W
Q1891	8-729-900-36	TRANSISTOR DTC124ES		R1824	1-247-881-00	CARBON 120K 5%	1/6W
				R1825	1-247-881-00	CARBON 120K 5%	1/6W
				R1826	1-247-881-00	CARBON 120K 5%	1/6W
				R1827	1-249-429-11	CARBON 10K 5%	1/6W
<u>CONNECTOR</u>							
QB11	*1-566-058-11	PIN, CONNECTOR 6P		R1828	1-249-417-11	CARBON 1K 5%	1/6W
QB12	*1-566-056-11	PIN, CONNECTOR 4P		R1829	1-249-429-11	CARBON 10K 5%	1/6W
QB13	*1-566-056-11	PIN, CONNECTOR 4P		R1830	1-249-429-11	CARBON 10K 5%	1/6W
QB14	*1-566-054-11	PIN, CONNECTOR 2P		R1831	1-249-417-11	CARBON 1K 5%	1/6W
QB15	*1-566-057-11	PIN, CONNECTOR 5P		R1832	1-249-429-11	CARBON 10K 5%	1/6W
QB16	*1-566-056-11	PIN, CONNECTOR 4P		R1833	1-249-429-11	CARBON 10K 5%	1/6W
QB17	*1-566-059-11	PIN, CONNECTOR 7P		R1834	1-249-417-11	CARBON 1K 5%	1/6W
				R1835	1-249-428-11	CARBON 8.2K 5%	1/6W
				R1836	1-249-422-11	CARBON 2.7K 5%	1/6W
				R1837	1-249-417-11	CARBON 1K 5%	1/6W
<u>RESISTOR</u>							
R1771	1-249-469-11	CARBON 100K 5%	1/4W	R1838	1-247-849-00	CARBON 5.6K 5%	1/6W
R1776	1-249-405-11	CARBON 100 5%	1/6W	R1839	1-247-849-00	CARBON 5.6K 5%	1/6W
R1777	1-249-405-11	CARBON 100 5%	1/6W	R1841	1-249-433-11	CARBON 22K 5%	1/6W
R1778	1-249-405-11	CARBON 100 5%	1/6W	R1842	1-249-433-11	CARBON 22K 5%	1/6W
R1779	1-249-441-11	CARBON 100K 5%	1/6W	R1843	1-249-462-11	CARBON 22K 5%	1/4W
R1780	1-249-433-11	CARBON 22K 5%	1/6W				
R1781	1-249-441-11	CARBON 100K 5%	1/6W	R1844	1-249-405-11	CARBON 100 5%	1/6W
R1782	1-249-425-11	CARBON 4.7K 5%	1/6W	R1845	1-249-433-11	CARBON 22K 5%	1/6W
R1783	1-249-469-11	CARBON 100K 5%	1/4W	R1846	1-247-714-11	CARBON 1.2K 5%	1/4W
R1784	1-249-433-11	CARBON 22K 5%	1/6W				



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R1847	1-249-437-11	CARBON	47K 5% 1/6W	R1923	1-249-421-11	CARBON	2.2K 5% 1/6W
R1848	1-249-428-11	CARBON	8.2K 5% 1/6W	R1925	1-249-440-11	CARBON	82K 5% 1/6W
R1849	1-249-437-11	CARBON	47K 5% 1/6W	R1926	1-249-440-11	CARBON	82K 5% 1/6W
R1850	1-249-428-11	CARBON	8.2K 5% 1/6W	R1927	1-249-440-11	CARBON	82K 5% 1/6W
R1851	1-249-465-11	CARBON	47K 5% 1/4W	R1928	1-249-405-11	CARBON	100 5% 1/6W
R1852	1-249-428-11	CARBON	8.2K 5% 1/6W	R1929	1-247-849-00	CARBON	5.6K 5% 1/6W
R1853	1-249-416-11	CARBON	820 5% 1/6W	R1930	1-247-714-11	CARBON	1.2K 5% 1/4W
R1854	1-249-416-11	CARBON	820 5% 1/6W	R1931	1-249-417-11	CARBON	1K 5% 1/6W
R1855	1-249-417-11	CARBON	1K 5% 1/6W	R1932	1-249-417-11	CARBON	1K 5% 1/6W
R1856	1-249-417-11	CARBON	1K 5% 1/6W	R1935	1-249-428-11	CARBON	8.2K 5% 1/6W
R1857	1-247-713-11	CARBON	1K 5% 1/4W	R1936	1-249-430-11	CARBON	12K 5% 1/6W
R1858	1-249-433-11	CARBON	22K 5% 1/6W	R1937	1-249-428-11	CARBON	8.2K 5% 1/6W
R1859	1-249-417-11	CARBON	1K 5% 1/6W	R1938	1-249-428-11	CARBON	8.2K 5% 1/6W
R1860	1-249-429-11	CARBON	10K 5% 1/6W	R1939	1-249-428-11	CARBON	8.2K 5% 1/6W
R1861	1-249-417-11	CARBON	1K 5% 1/6W	R1940	1-249-428-11	CARBON	8.2K 5% 1/6W
R1862	1-249-417-11	CARBON	1K 5% 1/6W	R1941	1-249-428-11	CARBON	8.2K 5% 1/6W
R1863	1-249-433-11	CARBON	22K 5% 1/6W	R1942	1-247-695-11	CARBON	39 5% 1/4W
R1864	1-249-417-11	CARBON	1K 5% 1/6W	R1945	1-249-428-11	CARBON	8.2K 5% 1/6W
R1865	1-249-425-11	CARBON	4.7K 5% 1/6W	R1950	1-249-428-11	CARBON	8.2K 5% 1/6W
R1866	1-249-412-11	CARBON	390 5% 1/6W	R1951	1-249-429-11	CARBON	10K 5% 1/6W
R1867	1-249-417-11	CARBON	1K 5% 1/6W	R1952	1-215-865-11	METAL OXIDE	220 5% 1W F
R1868	1-249-412-11	CARBON	390 5% 1/6W	R1953	1-249-423-11	CARBON	3.3K 5% 1/6W
R1869	1-249-421-11	CARBON	2.2K 5% 1/6W	R1955	1-249-435-11	CARBON	33K 5% 1/6W
R1870	1-249-421-11	CARBON	2.2K 5% 1/6W	R1956	1-249-434-11	CARBON	27K 5% 1/6W
R1871	1-249-421-11	CARBON	2.2K 5% 1/6W	R1965	1-247-712-11	CARBON	820 5% 1/4W
R1872	1-249-433-11	CARBON	22K 5% 1/6W	R1966	1-247-712-11	CARBON	820 5% 1/4W
R1873	1-249-429-11	CARBON	10K 5% 1/6W	R1967	1-247-712-11	CARBON	820 5% 1/4W
R1874	1-249-413-11	CARBON	470 5% 1/6W	R1968	1-247-881-00	CARBON	120K 5% 1/6W
R1875	1-215-432-00	CARBON	3K 5% 1/6W	R1969	1-249-440-11	CARBON	82K 5% 1/6W
R1876	1-249-420-11	CARBON	1.8K 5% 1/6W	R1971	1-249-417-11	CARBON	1K 5% 1/6W
R1877	1-249-429-11	CARBON	10K 5% 1/6W	R1972	1-249-417-11	CARBON	1K 5% 1/6W
R1879	1-249-469-11	CARBON	100K 5% 1/4W	R1973	1-249-417-11	CARBON	1K 5% 1/6W
R1880	1-249-417-11	CARBON	1K 5% 1/6W	R1974	1-247-713-11	CARBON	1K 5% 1/4W
R1881	1-249-422-11	CARBON	2.7K 5% 1/6W	*****			
R1882	1-249-417-11	CARBON	1K 5% 1/6W	*A-1330-801-A C BOARD, COMPLETE			
R1883	1-249-433-11	CARBON	22K 5% 1/6W	*****			
R1884	1-249-417-11	CARBON	1K 5% 1/6W	1-526-798-21 SOCKET, CRT			
R1885	1-249-416-11	CARBON	820 5% 1/6W	*4-379-160-01 COVER (REAR LID), CV			
R1886	1-249-417-11	CARBON	1K 5% 1/6W	*4-379-167-01 COVER (MAIN), CV			
R1887	1-247-715-11	CARBON	1.5K 5% 1/4W	CONNECTOR			
R1888	1-249-417-11	CARBON	1K 5% 1/6W	C1	*1-506-371-00	2P PLUG (L)	
R1892	1-249-415-11	CARBON	680 5% 1/6W	C2	*1-508-765-00	3P PLUG (M)	
R1893	1-249-433-11	CARBON	22K 5% 1/6W	C3	*1-508-765-00	3P PLUG (M)	
R1894	1-249-428-11	CARBON	8.2K 5% 1/6W	C4	*1-566-055-11	PIN, CONNECTOR 3P	
R1896	1-249-415-11	CARBON	680 5% 1/6W	C5	*1-566-061-11	PIN, CONNECTOR 9P	
R1898	1-247-849-00	CARBON	5.6K 5% 1/6W	C8	*1-508-784-00	1P PLUG	
R1899	1-247-849-00	CARBON	5.6K 5% 1/6W	CAPACITOR			
R1901	1-249-429-11	CARBON	10K 5% 1/6W	C701	1-162-116-00	CERAMIC	680PF 10% 2KV
R1902	1-249-417-11	CARBON	1K 5% 1/6W	C702	1-129-714-00	FILM	0.01MF 10% 630V
R1903	1-249-412-11	CARBON	390 5% 1/6W	C703	1-123-356-00	ELECT	10MF 20% 50V
R1921	1-249-424-11	CARBON	3.9K 5% 1/6W	C704	1-123-948-00	ELECT	22MF 20% 250V
R1922	1-249-424-11	CARBON	3.9K 5% 1/6W	C705	1-108-692-81	MYLAR	0.01MF 10% 200V



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C706	1-129-751-00	FILM 0.1MF	10% 400V	<u>RESISTOR</u>			
C707	1-102-116-00	CERAMIC 680PF	10% 50V	R701	1-216-397-11	METAL OXIDE 4.7 5% 3W	F
C708	1-102-116-00	CERAMIC 680PF	10% 50V	R702	1-202-848-00	SOLID 680K 10% 1/2W	
C709	1-102-116-00	CERAMIC 680PF	10% 50V	R703	1-202-838-00	SOLID 100K 10% 1/2W	
C710	1-102-116-00	CERAMIC 680PF	10% 50V	R704	1-202-846-00	SOLID 470K 10% 1/2W	
C711	1-123-356-00	ELECT 10MF	20% 25V	R705	1-202-549-00	SOLID 100 5% 1/2W	
C712	1-102-114-00	CERAMIC 470PF	10% 50V	R706	1-202-838-00	SOLID 100K 10% 1/2W	
C713	1-102-116-00	CERAMIC 680PF	10% 50V	R707	1-202-842-11	SOLID 220K	1/2W
C714	1-162-622-11	CERAMIC 330PF	10% 6.3KV	R708	1-202-818-00	SOLID 1K	1/2W
C715	1-102-125-00	CERAMIC 0.0047MF	10% 50V	R709	1-202-818-00	SOLID 1K	1/2W
C718	1-102-074-00	CERAMIC 0.001MF	10% 50V	R710	1-202-818-00	SOLID 1K	1/2W
C719	1-102-050-00	CERAMIC 0.01MF	500V	R711	1-202-837-00	SOLID 82K 10%	1/2W
<u>DIODE</u>				R712	1-202-842-11	SOLID 220K	1/2W
D701	8-719-911-19	DIODE 1SS119		R713	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F
D702	8-719-911-19	DIODE 1SS119		R714	1-249-409-11	CARBON 220 5% 1/6W	
D703	8-719-911-19	DIODE 1SS119		R716	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F
D704	8-719-911-19	DIODE 1SS119		R717	1-249-409-11	CARBON 220 5% 1/6W	
D705	8-719-911-19	DIODE 1SS119		R720	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F
D706	8-719-911-19	DIODE 1SS119		R721	1-249-409-11	CARBON 220 5% 1/6W	
D707	8-719-911-19	DIODE 1SS119		R722	1-249-405-11	CARBON 100 5% 1/6W	
D708	8-719-911-19	DIODE 1SS119		R723	1-249-405-11	CARBON 100 5% 1/6W	
D709	8-719-911-19	DIODE 1SS119		R724	1-249-405-11	CARBON 100 5% 1/6W	
D710	8-719-901-83	DIODE 1SS83		R725	1-249-429-11	CARBON 10K 5% 1/6W	
D711	8-719-901-83	DIODE 1SS83		R726	1-249-409-11	CARBON 220 5% 1/6W	
D712	8-719-901-83	DIODE 1SS83		R727	1-249-429-11	CARBON 10K 5% 1/6W	
D713	8-719-901-83	DIODE 1SS83		R728	1-215-404-00	CARBON 200 5% 1/6W	
<u>COIL</u>				R729	1-249-385-11	CARBON 2.2 5% 1/6W	
L701	1-407-711-00	MICRO INDUCTOR 330UH		R730	1-249-408-11	CARBON 180 5% 1/6W	
L702	1-407-705-00	MICRO INDUCTOR 100UH		R731	1-247-704-11	CARBON 220 5% 1/4W	F
L703	1-407-703-00	MICRO INDUCTOR 68UH		R732	1-247-704-11	CARBON 220 5% 1/4W	F
L704	1-408-442-11	MICRO INDUCTOR 10UH		R733	1-247-704-11	CARBON 220 5% 1/4W	F
L705	1-408-404-00	MICRO INDUCTOR 3.9UH		R734	1-247-717-11	CARBON 2.2K 5% 1/4W	
L706	1-407-705-00	MICRO INDUCTOR 100UH		R735	1-247-138-00	CARBON 2K 5% 1/4W	
L707	1-408-434-00	MICRO INDUCTOR 2.2UH		R736	1-247-717-11	CARBON 2.2K 5% 1/4W	
<u>TRANSISTOR</u>				R737	1-249-441-11	CARBON 100K 5% 1/6W	
Q701	8-729-326-11	TRANSISTOR 2SC2611		R739	1-247-887-00	CARBON 220K 5% 1/6W	
Q702	8-729-178-54	TRANSISTOR 2SC2785		R740	1-215-902-11	METAL OXIDE 47K 5% 2W	F
Q703	8-729-200-17	TRANSISTOR 2SA1091		R741	1-249-438-11	CARBON 56K 5% 1/6W	
Q704	8-729-326-11	TRANSISTOR 2SC2611		R742	1-249-429-11	CARBON 10K 5% 1/6W	F
Q705	8-729-178-54	TRANSISTOR 2SC2785		R743	1-249-429-11	CARBON 10K 5% 1/6W	F
Q706	8-729-200-17	TRANSISTOR 2SA1091		R744	1-247-725-11	CARBON 10K 5% 1/4W	F
Q707	8-729-200-17	TRANSISTOR 2SA1091		R745	1-247-713-11	CARBON 1K 5% 1/4W	F
Q708	8-729-326-11	TRANSISTOR 2SC2611		R746	1-215-879-51	METAL OXIDE 47K 5% 1W	F
Q709	8-729-178-54	TRANSISTOR 2SC2785		R747	1-247-725-11	CARBON 10K 5% 1/4W	F
Q710	8-729-255-12	TRANSISTOR 2SC2551		R775	1-247-779-00	CARBON 6.8 5% 1/6W	
Q712	8-729-255-12	TRANSISTOR 2SC2551		R776	1-247-779-00	CARBON 6.8 5% 1/6W	
Q714	8-729-200-17	TRANSISTOR 2SA1091		R777	1-249-441-11	CARBON 100K 5% 1/6W	
Q715	8-729-200-17	TRANSISTOR 2SA1091		R799	1-202-842-11	SOLID 220K	1/2W
Q716	8-729-200-17	TRANSISTOR 2SA1091		<u>VARIABLE RESISTOR</u>			
				RV701	1-226-114-00	RES, ADJ, METAL GLAZE 2.2M	
				RV702	1-230-619-11	RES, ADJ, METAL GLAZE 110M	



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
RV703	1-228-731-00	RES, ADJ, CERAMIC CARBON 470K		C564	1-102-244-00	CERAMIC 220PF	10% 500V
RV705	1-228-729-00	RES, ADJ, CERAMIC CARBON 220K		C566	1-106-367-00	MYLAR 0.01MF	10% 100V
RV706	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K		C568	1-106-212-00	MYLAR 0.047MF	10% 100V
*****				C570	1-102-212-00	CERAMIC 820PF	10% 500V
*****				C571	1-123-349-00	ELECT 1000MF	20% 35V
*****				C572	1-102-244-00	CERAMIC 220PF	10% 500V
*****				C573	1-123-935-00	ELECT 33MF	20% 160V
*****				C574	1-106-369-00	MYLAR 0.012MF	10% 200V
*****				C575	1-123-024-00	ELECT 33MF	160V
*****				C576	1-162-114-00	CERAMIC 0.0047MF	2KV
*****				C578	1-124-902-00	ELECT 0.47MF	20% 50V
*****				C579	1-102-030-00	CERAMIC 330PF	10% 500V
*****				C580	1-108-689-11	MYLAR 0.0056MF	10% 200V
*****				C581	1-136-512-11	FILM 0.0106MF	3% 1.4KV
*****				C582	1-162-135-11	CERAMIC 560PF	10% 2KV
*****				C583	1-106-367-00	MYLAR 0.01MF	10% 100V
*****				C586	1-162-115-00	CERAMIC 330PF	10% 2KV
*****				C587	1-129-747-00	FILM 0.047MF	10% 400V
*****				C588	1-136-513-11	FILM 0.82MF	5% 200V
*****				C589	1-136-116-00	FILM 1MF	5% 200V
*****				C590	1-123-356-00	ELECT 10MF	20% 25V
*****				C593	1-124-555-00	ELECT 1000MF	20% 16V
*****				C598	1-123-332-00	ELECT 47MF	20% 16V
*****				C1510	1-106-367-00	MYLAR 0.01MF	10% 100V
*****				C1515	1-124-477-11	ELECT 47MF	20% 25V
*****				C1516	1-124-927-11	ELECT 4.7MF	20% 50V
*****				C1517	1-124-902-00	ELECT 0.47MF	20% 50V
*****				C1518	1-108-630-91	MYLAR 0.022MF	10% 100V
*****				C1519	1-124-791-11	ELECT 1MF	20% 50V
*****				C1520	1-123-875-91	ELECT 10MF	20% 50V
*****				C1521	1-108-855-00	MYLAR 0.33MF	10% 50V
*****				C1522	1-108-837-00	MYLAR 0.01MF	10% 50V
*****				C1524	1-106-172-00	MYLAR 0.001MF	5% 50V
*****				C1525	1-124-927-11	ELECT 4.7MF	20% 50V
*****				C1526	1-102-971-00	CERAMIC 82PF	5% 50V
*****				C1527	1-123-356-00	ELECT 10MF	20% 50V
*****				C1528	1-123-356-00	ELECT 10MF	20% 50V
*****				C1529	1-124-791-11	ELECT 1MF	20% 50V
*****				C1531	1-102-231-11	CERAMIC 47PF	10% 500V
*****				C1532	1-124-445-00	ELECT 100MF	20% 16V
*****				C1537	1-108-845-00	MYLAR 0.047MF	10% 50V
*****				<u>CONNECTOR</u>			
*****				D1	*1-508-766-00	4P PLUG (M)	
*****				D2	*1-566-055-11	PIN, CONNECTOR 3P	
*****				D3	*1-566-054-11	PIN, CONNECTOR 2P	
*****				D4	*1-508-767-00	5P PLUG	
*****				D5	*1-508-765-00	3P PLUG (M)	
*****				D6	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P	
*****				D7	*1-566-056-11	PIN, CONNECTOR 4P	
*****				D9	*1-566-055-11	PIN, CONNECTOR 3P	
*****				D10	*1-508-766-00	4P PLUG (M)	
*****				D11	*1-508-765-00	3P PLUG (M)	

D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
D14	*1-566-054-11	PIN, CONNECTOR 2P		L564	1-407-717-00	MICRO INDUCTOR 1MMH	
		<u>DIODE</u>		L1510	1-459-115-00	COIL, DCC-H	
D501	8-719-911-19	DIODE 1SS119				<u>NEON LAMP</u>	
D502	8-719-911-55	DIODE U05G		NL601	1-519-237-11	LAMP, NEON	
D504	8-719-911-19	DIODE 1SS119				<u>TRANSISTOR</u>	
D505	8-719-911-19	DIODE 1SS119		Q505	8-729-178-54	TRANSISTOR 2SC2785	
D507	8-719-100-35	DIODE RD5.6E-B2		Q506	8-729-178-54	TRANSISTOR 2SC2785	
D509	8-719-110-06	DIODE RD8.2ES-B1		Q507	8-729-178-54	TRANSISTOR 2SC2785	
D510	8-719-911-19	DIODE 1SS119		Q508	8-729-117-54	TRANSISTOR 2SA1175	
D551	8-719-911-55	DIODE U05G		Q551	8-729-168-82	TRANSISTOR 2SC2688	
D554	8-719-300-65	DIODE ES1F		Q552	8-729-203-80	TRANSISTOR 2SD1555-LB-S1	
D557	8-719-918-77	DIODE V19G			4-367-513-00	SPACER, MICA; Q552	
D558	8-719-300-76	DIODE RH1A		Q553	8-729-313-42	TRANSISTOR 2SD1134	
D560	8-719-305-15	DIODE GH3F		Q1510	8-729-117-54	TRANSISTOR 2SA1175	
D561	8-719-928-08	DIODE ERD28-08S		Q1511	8-729-178-54	TRANSISTOR 2SC2785	
D562	8-719-300-65	DIODE ES1F		Q1512	8-729-900-36	TRANSISTOR DTC124ES	
D1510	8-719-911-55	DIODE U05G		Q1513	8-729-900-63	TRANSISTOR DTA124ES	
D1511	8-719-911-19	DIODE 1SS119		Q1514	8-729-900-36	TRANSISTOR DTC124ES	
D1512	8-719-911-19	DIODE 1SS119		Q1515	8-729-900-36	TRANSISTOR DTC124ES	
D1513	8-719-911-55	DIODE U05G		Q1516	8-729-105-73	TRANSISTOR 2SK523-L2	
D1514	8-719-911-55	DIODE U05G		Q1517	8-729-900-36	TRANSISTOR DTC124ES	
D1516	8-759-157-40	DIODE UPC574J		Q1518	8-729-900-36	TRANSISTOR DTC124ES	
D1517	8-719-918-77	DIODE V19G		Q1519	8-729-178-54	TRANSISTOR 2SC2785	
D1518	8-719-918-77	DIODE V19G		Q1520	8-729-178-54	TRANSISTOR 2SC2785	
D1521	8-719-911-19	DIODE 1SS119		Q1521	8-729-117-54	TRANSISTOR 2SA1175	
D1522	8-719-000-12	DIODE MC931		Q1522	8-729-177-43	TRANSISTOR 2SD774	
		<u>FUSE</u>		Q1523	8-729-103-43	TRANSISTOR 2SB734	
F501	▲ 1-532-285-11	FUSE, TIME-LAG 1.25A/250V				<u>RESISTOR</u>	
	*1-533-189-11	HOLDER, FUSE; F501		R501	1-247-725-11	CARBON 10K 5% 1/4W	
		<u>IC</u>		R503	1-249-422-11	CARBON 2.7K 5% 1/6W	
IC501	8-759-100-60	IC UPC1377C		R504	1-249-411-11	CARBON 330 5% 1/6W	
IC502	8-759-170-12	IC UPC78M12H		R505	1-247-702-11	CARBON 150 5% 1/4W	
IC551	8-759-105-82	IC UPC1378H-P		R506	1-247-700-11	CARBON 100 5% 1/4W	
	3-701-833-01	HEAD, WASHER, TAPPING SCREW; IC551		R507	1-246-536-00	CARBON 430K 5% 1/4W	
IC552	8-759-145-58	IC UPC4558C		R508	1-249-462-11	CARBON 22K 5% 1/4W	
IC1510	8-759-145-58	IC UPC4558C		R509	1-249-433-11	CARBON 22K 5% 1/6W	
IC1511	8-759-145-58	IC UPC4558C		R510	1-247-881-00	CARBON 120K 5% 1/6W	
IC1512	8-759-909-70	IC CX23025		R511	1-247-868-00	CARBON 36K 5% 1/6W	
		<u>COIL</u>		R512	1-249-411-11	CARBON 330 5% 1/6W	
L551	1-459-678-11	HLC		R513	1-249-468-11	CARBON 82K 5% 1/4W	
L552	1-459-390-00	COIL (WITH CORE)		R514	1-247-723-11	CARBON 6.8K 5% 1/4W	
L555	1-408-227-00	MICRO INDUCTOR 470UH		R515	1-249-459-11	CARBON 12K 5% 1/4W	
L556	1-407-699-00	MICRO INDUCTOR 33UH		R516	1-249-435-11	CARBON 33K 5% 1/6W	
L557	1-459-407-00	COIL, FERRITE CHOKE		R517	1-249-407-11	CARBON 150 5% 1/6W	
L558	1-407-365-00	COIL, CHOKE		R518	1-247-701-11	CARBON 120 5% 1/4W	F
L559	1-407-364-00	COIL, SPOOK CHOKE 3.3UH		R519	1-247-849-00	CARBON 5.6K 5% 1/6W	
L560	1-407-695-00	MICRO INDUCTOR 15UH		R520	1-249-419-11	CARBON 1.5K 5% 1/6W	
L562	1-408-239-00	MICRO INDUCTOR 4.7MMH		R521	1-249-417-11	CARBON 1K 5% 1/6W	
L563	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE		R522	1-249-439-11	CARBON 68K 5% 1/6W	

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

D **D** **HD** **HC** **K**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R523	1-215-447-00	METAL	12K 1% 1/6W	R583	1-249-433-11	CARBON	22K 5% 1/6W	R1547	1-249-429-11	CARBON	10K 5% 1/6W	*A-1375-066-A HC BOARD, COMPLETE *****			
R524	1-214-756-00	METAL	13K 1% 1/4W	R584	1-246-511-00	CARBON	39K 5% 1/4W	R1548	1-215-493-00	CARBON	1M 5% 1/6W				
R525	1-249-429-11	CARBON	10K 5% 1/6W	R585	1-247-719-11	CARBON	3.3K 5% 1/4W	R1550	1-247-895-00	CARBON	470K 5% 1/6W				
R526	1-215-876-00	METAL OXIDE	15K 5% 1W	R586	1-249-428-11	CARBON	8.2K 5% 1/6W	R1551	1-249-437-11	CARBON	47K 5% 1/6W				
R527	1-249-412-11	CARBON	390 5% 1/6W	R587	1-246-523-00	CARBON	120K 5% 1/4W	R1552	1-247-849-00	CARBON	5.6K 5% 1/6W	CAPACITOR			
R528	1-249-405-11	CARBON	100 5% 1/6W	R588	1-249-422-11	CARBON	2.7K 5% 1/6W	R1553	1-247-881-00	CARBON	120K 5% 1/6W	C982	1-130-023-00	FILM	0.0027MF 5% 50V
R529	1-214-743-00	METAL	3.9K 1% 1/4W	R589	1-249-424-11	CARBON	3.9K 5% 1/6W	R1558	1-247-887-00	CARBON	220K 5% 1/6W	C983	1-130-028-00	FILM	0.0068MF 5% 50V
R530	1-214-753-00	METAL	10K 1% 1/4W	R590	1-249-421-11	CARBON	2.2K 5% 1/6W	R1559	1-249-441-11	CARBON	100K 5% 1/6W	C984	1-108-837-00	MYLAR	0.01MF 10% 50V
R534	1-214-747-00	METAL	5.6K 1% 1/4W	R592	1-215-871-11	METAL OXIDE	2.2K 5% 1W	R1560	1-249-419-11	CARBON	1.5K 5% 1/6W	C985	1-123-617-00	ELECT	10MF 20% 16V
R535	1-249-424-11	CARBON	3.9K 5% 1/6W	R593	1-249-417-11	CARBON	1K 5% 1/6W	R1561	1-249-435-11	CARBON	33K 5% 1/6W	C986	1-123-356-00	ELECT	10MF 20% 25V
R536	1-247-849-00	CARBON	5.6K 5% 1/6W	R594	1-249-435-11	CARBON	33K 5% 1/6W	R1562	1-249-440-11	CARBON	82K 5% 1/6W	DIODE			
R537	1-249-429-11	CARBON	10K 5% 1/6W	R595	1-249-421-11	CARBON	2.2K 5% 1/6W	R1563	1-249-409-11	CARBON	220 5% 1/6W	D971	8-719-109-85	DIODE	RD5.1ES-B2
R538	1-216-350-11	METAL OXIDE	1.2 5% 1W	R596	1-249-420-11	CARBON	1.8K 5% 1/6W	R1565	1-216-349-00	METAL OXIDE	1 5% 1W	CONNECTOR			
R539	1-249-413-11	CARBON	470 5% 1/6W	R597	1-249-409-11	CARBON	220 5% 1/6W	R1566	1-216-430-11	METAL OXIDE	390 5% 1W	HC1	*1-566-057-11	PIN, CONNECTOR	5P
R540	1-247-872-00	CARBON	51K 5% 1/6W	R598	1-246-525-00	CARBON	150K 5% 1/4W	R1567	1-216-430-11	METAL OXIDE	390 5% 1W	HC2	*1-566-056-11	PIN, CONNECTOR	4P
R541	1-249-429-11	CARBON	10K 5% 1/6W	R599	1-249-431-11	CARBON	15K 5% 1/6W	R1568	1-249-419-11	CARBON	1.5K 5% 1/6W	HC3	*1-566-054-11	PIN, CONNECTOR	2P
R542	1-214-779-00	METAL	120K 1% 1/4W	R1501	1-215-469-00	METAL	100K 1% 1/6W	R1569	1-249-417-11	CARBON	1K 5% 1/6W	HC4	*1-566-054-11	PIN, CONNECTOR	2P
R543	1-215-493-00	CARBON	1M 5% 1/6W	R1502	1-215-451-00	METAL	18K 1% 1/6W	R1570	1-249-382-11	CARBON	1.2 5% 1/6W	IC			
R544	1-214-781-00	METAL	150K 1% 1/4W	R1503	1-247-722-11	CARBON	5.6K 5% 1/4W	R1571	1-249-382-11	CARBON	1.2 5% 1/6W	IC985	8-759-933-23	IC	BA236
R545	1-214-765-00	METAL	33K 1% 1/4W	R1505	1-215-869-11	METAL OXIDE	1K 5% 1W	R1572	1-247-773-00	CARBON	3.9 5% 1/6W	RESISTOR			
R546	1-249-424-11	CARBON	3.9K 5% 1/6W	R1510	1-249-429-11	CARBON	10K 5% 1/6W	R1583	1-249-429-11	CARBON	10K 5% 1/6W	R982	1-249-429-11	CARBON	10K 5% 1/6W
R547	1-249-429-11	CARBON	10K 5% 1/6W	R1511	1-249-437-11	CARBON	47K 5% 1/6W	R1584	1-249-413-11	CARBON	470 5% 1/6W	R983	1-249-417-11	CARBON	1K 5% 1/6W
R548	1-249-421-11	CARBON	2.2K 5% 1/6W	R1515	1-249-429-11	CARBON	10K 5% 1/6W	R1585	1-249-417-11	CARBON	1K 5% 1/6W	R984	1-249-429-11	CARBON	10K 5% 1/6W
R549	1-247-704-11	CARBON	220 5% 1/4W	R1516	1-249-433-11	CARBON	22K 5% 1/6W	R1586	1-247-713-11	CARBON	1K 5% 1/4W	R985	1-249-417-11	CARBON	1K 5% 1/6W
R551	1-214-681-00	METAL	10 1% 1/4W	R1517	1-249-430-11	CARBON	12K 5% 1/6W	R1587	1-249-424-11	CARBON	3.9K 5% 1/6W	R986	1-249-429-11	CARBON	10K 5% 1/6W
R553	1-247-746-11	CARBON	390 5% 1/2W	R1518	1-249-425-11	CARBON	4.7K 5% 1/6W	R1588	1-249-416-11	CARBON	820 5% 1/6W	R988	1-249-405-11	CARBON	100 5% 1/6W
R554	1-246-533-00	CARBON	330K 5% 1/4W	R1519	1-249-429-11	CARBON	10K 5% 1/6W	VARIABLE RESISTOR				R989	1-249-417-11	CARBON	1K 5% 1/6W
R555	1-249-431-11	CARBON	15K 5% 1/6W	R1520	1-247-895-00	CARBON	470K 5% 1/6W	RV501	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K	R990	1-249-432-11	CARBON	18K 5% 1/6W
R556	1-246-523-00	CARBON	120K 5% 1/4W	R1521	1-249-429-11	CARBON	10K 5% 1/6W	RV503	1-228-717-00	RES, ADJ, CERAMIC CARBON	220	R991	1-249-408-11	CARBON	180 5% 1/6W
R557	1-249-432-11	CARBON	18K 5% 1/6W	R1522	1-249-409-11	CARBON	220 5% 1/6W	RV509	1-224-249-XX	RES, ADJ, METAL GLAZE	1K	R992	1-249-427-11	CARBON	6.8K 5% 1/6W
R558	1-249-437-11	CARBON	47K 5% 1/6W	R1523	1-249-441-11	CARBON	100K 5% 1/6W	RV552	1-228-725-00	RES, ADJ, CERAMIC CARBON	22K	R993	1-249-418-11	CARBON	1.2K 5% 1/6W
R559	1-215-479-00	CARBON	270K 5% 1/6W	R1524	1-249-437-11	CARBON	47K 5% 1/6W	RV553	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K	R994	1-249-420-11	CARBON	1.8K 5% 1/6W
R560	1-247-895-00	CARBON	470K 5% 1/6W	R1525	1-249-425-11	CARBON	4.7K 5% 1/6W	SPARK GAP				RV982	1-237-349-11	RES, VAR, CARBON	10K
R561	1-249-429-11	CARBON	10K 5% 1/6W	R1526	1-249-435-11	CARBON	33K 5% 1/6W	SG551	1-519-063-XX	DISCHARGING GAP		RV983	1-237-712-11	RES, VAR, CARBON	10K
R562	1-249-425-11	CARBON	4.7K 5% 1/6W	R1527	1-249-421-11	CARBON	2.2K 5% 1/6W	TRANSFORMER				RV984	1-237-712-11	RES, VAR, CARBON	10K
R564	1-247-719-11	CARBON	3.3K 5% 1/4W	R1528	1-249-438-11	CARBON	56K 5% 1/6W	T552	1-437-090-00	HDT		RV985	1-237-350-11	RES, VAR, CARBON	20K
R565	1-216-428-00	METAL OXIDE	180 5% 1W	R1529	1-249-431-11	CARBON	15K 5% 1/6W	T553	1-437-191-11	HCT		RV986	1-230-631-11	RES, ADJ, CARBON	22K
R567	1-249-429-11	CARBON	10K 5% 1/6W	R1530	1-249-423-11	CARBON	3.3K 5% 1/6W	THERMISTOR				RV987	1-237-348-11	RES, VAR, CARBON	5K
R568	1-247-715-11	CARBON	1.5K 5% 1/4W	R1532	1-249-431-11	CARBON	15K 5% 1/6W	TH501	1-806-213-00	THERMISTOR		*****			
R569	1-249-410-11	CARBON	270 5% 1/6W	R1533	1-249-437-11	CARBON	47K 5% 1/6W	TH551	1-800-944-00	THERMISTOR TH-4700		*A-1389-865-A K BOARD, COMPLETE *****			
R570	1-249-417-11	CARBON	1K 5% 1/6W	R1534	1-249-437-11	CARBON	47K 5% 1/6W	CAPACITOR				C201	1-124-902-00	ELECT	0.47MF 20% 50V
R571	1-247-711-11	CARBON	680 5% 1/4W	R1535	1-249-413-11	CARBON	470 5% 1/6W	*****				C202	1-124-902-00	ELECT	0.47MF 20% 50V
R572	1-249-418-11	CARBON	1.2K 5% 1/6W	R1536	1-249-418-11	CARBON	1.2K 5% 1/6W	SWITCH				C203	1-123-332-00	ELECT	47MF 20% 16V
R573	1-216-445-11	METAL OXIDE	12 5% 2W	R1537	1-249-423-11	CARBON	3.3K 5% 1/6W	S996	1-570-145-11	SWITCH, SLIDE					
R574	1-249-409-11	CARBON	220 5% 1/6W	R1538	1-215-480-00	CARBON	300K 5% 1/6W	S997	1-570-145-11	SWITCH, SLIDE					
R575	1-247-725-11	CARBON	10K 5% 1/4W	R1539	1-249-429-11	CARBON	10K 5% 1/6W								
R576	1-249-427-11	CARBON	6.8K 5% 1/6W	R1540	1-216-510-11	METAL OXIDE	8.2K 5% 5W								
R577	1-249-429-11	CARBON	10K 5% 1/6W	R1541	1-249-429-11	CARBON	10K 5% 1/6W								
R578	1-249-411-11	CARBON	330 5% 1/6W	R1542	1-249-429-11	CARBON	10K 5% 1/6W								
R579	1-247-719-11	CARBON	3.3K 5% 1/4W	R1543	1-215-466-00	CARBON	75K 5% 1/6W								
R580	1-247-725-11	CARBON	10K 5% 1/4W	R1544	1-247-885-00	CARBON	180K 5% 1/6W								
R581	1-216-431-11	METAL OXIDE	560 5% 1W	R1545	1-247-874-00	CARBON	62K 5% 1/6W								
R582	1-216-343-00	METAL OXIDE	0.33 5% 1W	R1546	1-215-479-00	CARBON	270K 5% 1/6W								

K HA

HA HB

Ref.No.	Part No.	Description	Remark
C204	1-123-332-00	ELECT 47MF 20%	16V
C205	1-106-222-00	MYLAR 0.12MF 10%	100V
C206	1-102-125-00	CERAMIC 0.0047MF 10%	50V
C207	1-102-125-00	CERAMIC 0.0047MF 10%	50V
C208	1-106-222-00	MYLAR 0.12MF 10%	100V
C209	1-123-369-00	ELECT 4.7MF 20%	25V
C210	1-123-369-00	ELECT 4.7MF 20%	25V
C211	1-123-369-00	ELECT 4.7MF 20%	25V
C212	1-123-369-00	ELECT 4.7MF 20%	25V
C213	1-123-321-00	ELECT 220MF 20%	16V
C214	1-124-905-11	ELECT 3.3MF 20%	50V
C215	1-124-905-11	ELECT 3.3MF 20%	50V
C218	1-123-324-00	ELECT 1000MF 20%	16V
C219	1-124-445-00	ELECT 100MF 20%	16V
C221	1-124-925-11	ELECT 2.2MF 20%	50V
C222	1-123-332-00	ELECT 47MF 20%	16V
C224	1-124-925-11	ELECT 2.2MF 20%	50V
C226	1-123-356-00	ELECT 10MF 20%	25V
C227	1-123-349-00	ELECT 1000MF 20%	35V
C228	1-108-633-81	MYLAR 0.039MF 10%	100V
C229	1-124-908-11	ELECT 22MF 20%	25V
C230	1-106-222-00	MYLAR 0.12MF 10%	100V
C231	1-123-336-00	ELECT 470MF 20%	25V
C232	1-108-633-81	MYLAR 0.039MF 10%	100V
C233	1-124-908-11	ELECT 22MF 20%	25V
C234	1-106-222-00	MYLAR 0.12MF 10%	100V
C235	1-123-336-00	ELECT 470MF 20%	25V
C244	1-123-332-00	ELECT 47MF 20%	16V
C245	1-124-477-11	ELECT 47MF 20%	25V
C283	1-123-332-00	ELECT 47MF 20%	16V
<u>DIODE</u>			
D201	8-719-101-61	DIODE RD6.2E-L2	
D202	8-719-101-86	DIODE RD13E-L2	
D203	8-719-911-19	DIODE 1SS119	
D204	8-719-911-19	DIODE 1SS119	
D206	8-719-911-19	DIODE 1SS119	
D207	8-719-911-19	DIODE 1SS119	
D210	8-719-911-19	DIODE 1SS119	
D211	8-719-911-19	DIODE 1SS119	
D1519	8-719-110-37	DIODE RD13ES-B3	
<u>IC</u>			
IC201	8-759-276-30	IC TA7630P	
IC204	8-759-205-84	IC TA7273P	
<u>CONNECTOR</u>			
K1	*1-566-054-11	PIN, CONNECTOR 2P	
K2	*1-566-056-11	PIN, CONNECTOR 4P	
K3	*1-566-057-11	PIN, CONNECTOR 5P	
K4	*1-508-765-00	3P PLUG (M)	
K5	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	

Ref.No.	Part No.	Description	Remark
<u>TRANSISTOR</u>			
Q201	8-729-178-54	TRANSISTOR 2SC2785	
Q207	8-729-177-43	TRANSISTOR 2SD774	
<u>RESISTOR</u>			
R201	1-249-441-11	CARBON 100K 5% 1/6W	
R202	1-249-441-11	CARBON 100K 5% 1/6W	
R203	1-249-419-11	CARBON 1.5K 5% 1/6W	
R204	1-249-429-11	CARBON 10K 5% 1/6W	
R205	1-249-429-11	CARBON 10K 5% 1/6W	
R206	1-249-429-11	CARBON 10K 5% 1/6W	
R207	1-249-419-11	CARBON 1.5K 5% 1/6W	
R208	1-249-419-11	CARBON 1.5K 5% 1/6W	
R209	1-249-432-11	CARBON 18K 5% 1/6W	
R210	1-249-432-11	CARBON 18K 5% 1/6W	
R212	1-249-425-11	CARBON 4.7K 5% 1/6W	
R213	1-249-405-11	CARBON 100 5% 1/6W	
R221	1-215-865-11	METAL OXIDE 220 5% 1W	F
R223	1-247-881-00	CARBON 120K 5% 1/6W	
R224	1-249-412-11	CARBON 390 5% 1/6W	
R226	1-247-881-00	CARBON 120K 5% 1/6W	
R227	1-249-412-11	CARBON 390 5% 1/6W	
R228	1-249-429-11	CARBON 10K 5% 1/6W	
R229	1-249-385-11	CARBON 2.2 5% 1/6W	F
R230	1-249-429-11	CARBON 10K 5% 1/6W	
R231	1-249-385-11	CARBON 2.2 5% 1/6W	F
R236	1-249-423-11	CARBON 3.3K 5% 1/6W	
R243	1-249-417-11	CARBON 1K 5% 1/6W	
R244	1-249-417-11	CARBON 1K 5% 1/6W	
R245	1-249-417-11	CARBON 1K 5% 1/6W	
R246	1-249-417-11	CARBON 1K 5% 1/6W	
<u>DIODE</u>			

*9-992-308-01 HA BOARD (KEY BOARD UNIT A)			

<u>DIODE</u>			
D905	8-719-911-19	DIODE 1SS119	
D906	8-719-911-19	DIODE 1SS119	
D907	8-719-911-19	DIODE 1SS119	
D908	8-719-911-19	DIODE 1SS119	
D909	8-719-911-19	DIODE 1SS119	
D910	8-719-911-19	DIODE 1SS119	
D911	9-990-893-01	LED TLY263P	
D912	9-990-893-01	LED TLY263P	
D913	9-990-893-01	LED TLY263P	
D914	9-990-893-01	LED TLY263P	
D915	9-990-893-01	LED TLY263P	
D916	9-990-893-01	LED TLY263P	
D917	9-990-893-01	LED TLY263P	
D918	9-990-893-01	LED TLY263P	
D919	9-990-893-01	LED TLY263P	

Ref.No.	Part No.	Description	Remark
D920	9-990-893-01	LED TLY263P	
D921	9-990-893-01	LED TLY263P	
D922	9-990-893-01	LED TLY263P	
D923	9-990-893-01	LED TLY263P	
D924	9-990-893-01	LED TLY263P	
D925	9-990-893-01	LED TLY263P	
D926	9-990-893-01	LED TLY263P	
D927	9-990-893-01	LED TLY263P	
D928	9-990-893-01	LED TLY263P	
D929	9-990-893-01	LED TLY263P	
D930	9-990-893-01	LED TLY263P	
D931	9-990-893-01	LED TLY263P	
<u>RESISTOR</u>			
R905	1-247-700-11	CARBON 100 5% 1/4W	
R906	1-247-704-11	CARBON 220 5% 1/4W	
R907	1-247-700-11	CARBON 100 5% 1/4W	
R908	1-247-704-11	CARBON 220 5% 1/4W	
R909	1-247-700-11	CARBON 100 5% 1/4W	
R910	1-247-704-11	CARBON 220 5% 1/4W	
R911	1-247-700-11	CARBON 100 5% 1/4W	
R912	1-247-704-11	CARBON 220 5% 1/4W	
R913	1-247-700-11	CARBON 100 5% 1/4W	
R914	1-247-704-11	CARBON 220 5% 1/4W	
R915	1-247-700-11	CARBON 100 5% 1/4W	
R916	1-247-704-11	CARBON 220 5% 1/4W	
R917	1-247-704-11	CARBON 220 5% 1/4W	
R918	1-247-704-11	CARBON 220 5% 1/4W	
R919	1-247-704-11	CARBON 220 5% 1/4W	
<u>SWITCH</u>			
S905	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S906	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S907	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S908	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S909	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S910	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S911	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S912	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S913	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S914	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S915	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	

*9-992-401-01 HB BOARD (KEY BOARD UNIT B)			

<u>DIODE</u>			
D940	8-719-911-19	DIODE 1SS119	
D941	8-719-911-19	DIODE 1SS119	
D942	8-719-911-19	DIODE 1SS119	
D943	8-719-911-19	DIODE 1SS119	
D944	8-719-911-19	DIODE 1SS119	

Ref.No.	Part No.	Description	Remark
D945	8-719-911-19	DIODE 1SS119	
D946	8-719-911-19	DIODE 1SS119	
D947	8-719-911-19	DIODE 1SS119	
D948	9-990-901-01	LED TLS263P	
D949	9-990-901-01	LED TLY263P	
D950	9-990-893-01	LED TLY263P	
D951	9-990-893-01	LED TLY263P	
D952	9-990-893-01	LED TLY263P	
D953	9-990-893-01	LED TLY263P	
D954	9-990-893-01	LED TLY263P	
D955	9-990-893-01	LED TLY263P	
D956	9-990-893-01	LED TLY263P	
D957	9-990-893-01	LED TLY263P	
D958	9-990-893-01	LED TLY263P	
D959	9-990-893-01	LED TLY263P	
D960	9-990-893-01	LED TLY263P	
D961	9-990-893-01	LED TLY263P	
D962	9-990-893-01	LED TLY263P	
D963	9-990-893-01	LED TLY263P	
D964	9-990-893-01	LED TLY263P	
D965	9-990-893-01	LED TLY263P	
D968	9-990-901-01	LED TLS263P	
<u>RESISTOR</u>			
R940	1-247-703-11	CARBON 180 5% 1/4W	
R941	1-247-700-11	CARBON 100 5% 1/4W	
R942	1-247-704-11	CARBON 220 5% 1/4W	
R943	1-247-700-11	CARBON 100 5% 1/4W	
R944	1-247-704-11	CARBON 220 5% 1/4W	
R945	1-247-700-11	CARBON 100 5% 1/4W	
R946	1-247-700-11	CARBON 100 5% 1/4W	
R947	1-247-700-11	CARBON 100 5% 1/4W	
R948	1-247-700-11	CARBON 100 5% 1/4W	
R949	1-247-700-11	CARBON 100 5% 1/4W	
R950	1-247-700-11	CARBON 100 5% 1/4W	
R951	1-247-700-11	CARBON 100 5% 1/4W	
<u>SWITCH</u>			
S940	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S941	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S942	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S943	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S944	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S945	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S946	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S947	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S948	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
S949	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	

N

Ref.No.	Part No.	Description	Remark
	*9-990-898-01	N BOARD (KEY BOARD UNIT B) *****	
		IC	
IC935	8-741-138-70	IC BX1387 (DETECTOR)	

MISCELLANEOUS *****			
	△.1-237-614-11	RESISTOR ASSY, HIGH-VOLTAGE	
	△.1-426-315-11	COIL, DEMAGNETIZATION	
T604	△.1-439-372-32	TRANSFORMER ASSY, FLYBACK	
	△.1-451-295-11	DEFLECTION YOKE (SY-153E)	
	1-452-032-00	MAGNET, DISK; 10MM φ	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM φ	
	1-452-277-00	MAGNET, BMC	
	1-464-803-11	KEY BOARD UNIT (A)	
	1-464-804-11	KEY BOARD UNIT (B)	
	△.1-534-820-13	POWER CORD (AEP, AUS ONLY)	
	△.1-559-409-11	CORD, POWER (WG ONLY)	
S901	△.1-554-965-12	SWITCH, PUSH (AC POWER)(1 KEY)	
V901	△.8-736-955-05	PICTURE TUBE (A51JKQ10X)	

ACCESSORIES AND PACKING MATERIALS

Part No.	Description	Remark
A-1470-789-A	COMMANDER ASSY (RM-668)	
*4-377-015-01	BAG, PROTECTION	
*4-382-067-01	CUSHION (UPPER) (ASSY)	
*4-382-068-01	CUSHION (LOWER) (ASSY)	
*4-383-143-01	INDIVIDUAL CARTON	
4-482-400-11	MANUAL, INSTRUCTION	

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