

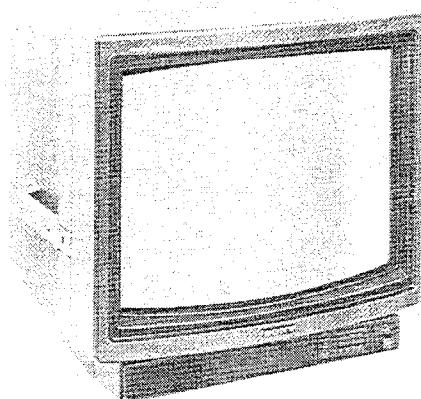
# PVM-2010QM

361

## SERVICE MANUAL

AEP Model  
UK Model

Chassis No. SCC-557A-A



For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
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April, 1984

### SPECIFICATIONS

Color system	PAL, SECAM, NTSC and NTSC4.43 systems, switched automatically	Outputs	Loop through
Picture tube	Trinitron tube	VIDEO OUT: BNC connector	VIDEO OUT: BNC connector
	Approx. 52 cm (20 inches)	AUDIO OUT: minijack	AUDIO OUT: minijack
	100 degree deflection	EXT SYNC OUT: BNC connector	EXT SYNC OUT: BNC connector
Resolution	(Approx. 48 cm picture measured diagonally)	RGB OUT: BNC connectors	RGB OUT: BNC connectors
Color temperature	350 TV lines, 440 × 240 dots	AUDIO (RGB) OUT: minijack	AUDIO (RGB) OUT: minijack
Frequency response	6,500°K/9,300°K	1.5 W	1.5 W
Horizontal linearity	8 MHz (-3 dB, RGB)	Power requirement	220 - 240 V ac, 50/60 Hz
Vertical linearity	6 MHz (-3 dB, composite video)	Power consumption	120 W (max.)
Line pull range	±5%	Dimensions	Approx. 486 × 463 × 539 mm (w/h/d) (19 <sup>1</sup> / <sub>4</sub> × 18 <sup>1</sup> / <sub>4</sub> × 21 <sup>1</sup> / <sub>4</sub> inches)
Overscan of the picture	±5%	Weight	Approx. 29 kg (63 lbs 15 oz)
Return loss	5%	Optional accessories	Monitor stand SU-530 Monitor hood VF-500
Zooming	4 MHz, 35 dB (LINE A, LINE B)		
Convergence	Within 2%		
Brightness	Central area 1 mm		
Inputs	Outside of central area 1.3 mm		
	More than 50 foot-Lamberts		
	TUNER: 6-pin DIN connector		
	VIDEO IN: BNC connector		
	VTR: 8-pin connector (pins 2 and 6)		
	Composite 1 V p-p ±6 dB, sync negative, 75 ohms and high impedance switchable		
	AUDIO IN: minijack		
	VTR: 8-pin connector (pins 1 and 5)		
	-5 dBs high impedance		
	EXT SYNC IN: BNC connector		
	Composite sync 2 - 8 V p-p, negative, 75 ohms and high impedance switchable		
	RGB IN: BNC connectors		
	0.7 V p-p, non composite		
	AUDIO (RGB) IN: minijack		
	-5 dBs high impedance		

While the information given is true at the time of printing, small production changes in the course of our company's policy of improvement through research and design might not necessarily be indicated in the specifications. We would ask you to check with your appointed Sony dealer if clarification on any point is required.

**TRINITRON®**  
**COLOR VIDEO MONITOR**  
**SONY®**



MICROFILM

MON

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**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.

**CMPTR : 25-pin D connector**

Pin No.	Signal	Signal level
1	IBM select	High state (5 V) : IBM mode Low state : 3 Bit TTL
2	Audio select	High state (5 V or open) : audio inputs from the CMPTR connector Low state (less than 0.4 V) : audio inputs from the LINE A AUDIO IN jack
3	H. sync or composite sync	Negative polarity (1) 1 V p-p, 75Ω terminated (2) TTL level •(1) or (2) is selected by the pin 9.
4	Blue input	Positive polarity
5	Green input	(1) Analog signal (0.7 V p-p, 75Ω terminated, non sync) (2) Digital signal (TTL level)
6	Red input	•(1) or (2) is selected by the pin 9.
7	+ 12 V power supply	
8	+ 5 V power supply	
9	Analog/digital mode select	High state (open) : Analog signal (0.7 V p-p) Low state (ground) : Digital signal (TTL level)
10	RGB/NORMAL mode select	High state (5 V or open) : RGB inputs from the microcomputer Low state (ground) : composite video inputs from the LINE A VIDEO IN connector
11	V-sync	Negative polarity TTL level
12	Blanking	High state (5 V or open) : video inputs from the microcomputer Low state (ground) : Superimposed signal of composite video inputs from the LINE A VIDEO IN connector and the RGB inputs from the microcomputer

**CMPTR : 25-pin D connector**

Pin No.	Signal	Signal level
13	Audio input	Input level -5 dB (100% modulation), input impedance more than 47 kΩ
14	EXT/INT mode sync switch	High state (open) : microcomputer sync Low state : LINE A sync
15 I 24	ground	
25	IBM luminance signal	•Positive polarity, TTL level when the high state is selected at the pin 1. •Set to the low state (ground) when the low state is selected at the pin 1.

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## SECTION 1 GENERAL

### 1-1. FEATURES

- The PAL, SECAM, NTSC or NTSC4.43\* color system is selected automatically.
- Colorpure Filter: Fine picture detail without color spill or color noise can be obtained by setting the COMB FILTER select switch to COMB.
- Automatic Frequency Control: The horizontal AFC time constant is selected by setting this switch to either the fast or slow mode.
- LINE A/LINE B/VTR/RGB/CMPTR: Selects the inputs.
- TUNER: Permits connection of the special color TV tuner with a single connecting cable.
- Superimposed Picture: When utilizing the SMI-7073 superimposer (optional) and a microcomputer, the pictures from a videodisc player and a microcomputer can be superimposed.

\* A signal of NTSC4.43 system is obtained by playing back NTSC-recorded video tapes with a video tape recorder/player specially designed for use with this system.

### 1-2. PRECAUTIONS

#### On safety

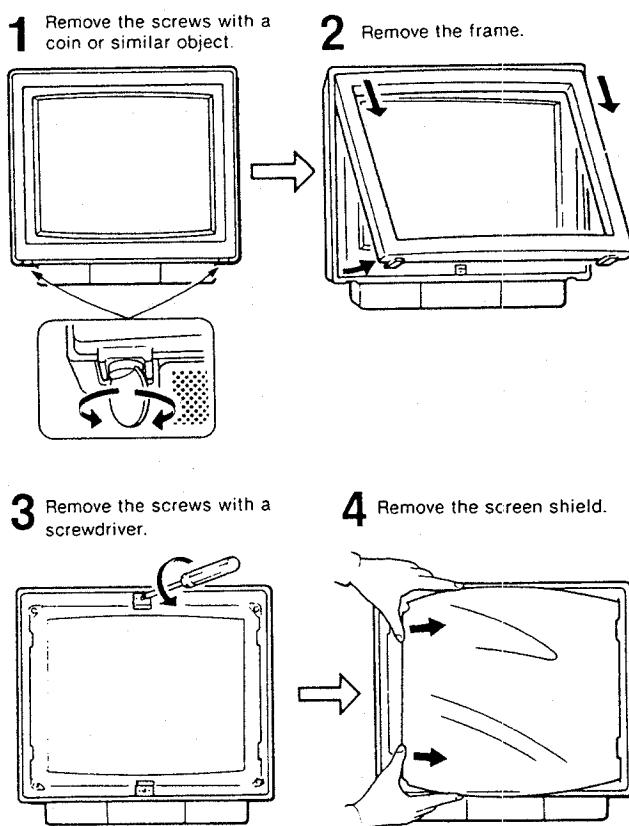
- Check that the operating voltage of your unit is identical with the voltage of your local power supply.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for several days.
- To disconnect the ac power cord, pull it out by the plug. Never pull the cord itself.

#### On installation

- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

#### On cleaning

- To keep the unit looking brand-new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents such as thinner or benzine, or abrasive cleansers since these will damage the cabinet. As a safety precaution, unplug the unit before cleaning it.
- To clean the screen, the frame and the screen shield may be removed as follows.

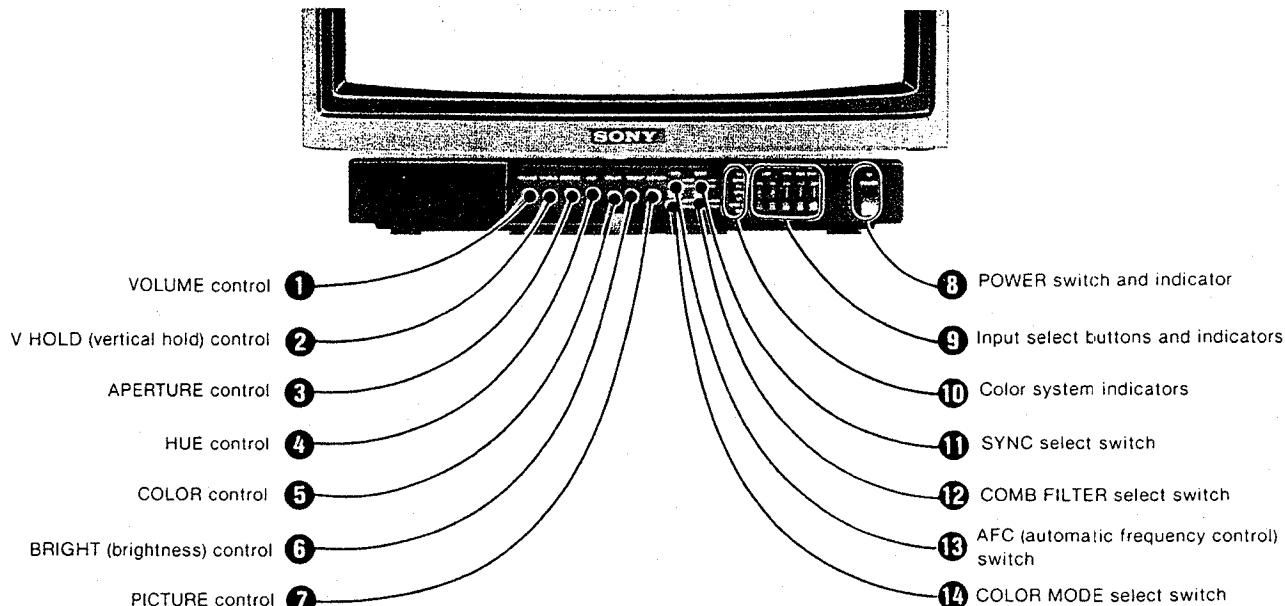


#### On repacking

Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it as illustrated on the carton.

If you have any questions about this unit, contact your Sony service facility.

### 1-3. LOCATION AND FUNCTION OF PARTS AND CONTROLS



#### ① VOLUME control

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

#### ② V HOLD (vertical hold) control

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

#### ③ APERTURE control

Adjusts the sharpness of the picture.

When the control is turned all the way to the left, the picture will have normal control. If reception conditions result in a snowy picture, better results will be obtained with a softer picture.

#### ④ HUE control

This control is effective only for the NTSC or NTSC4.43 system.

Use to obtain the most natural skin tones. Clockwise rotation makes the skin tones greenish; counterclockwise rotation makes them purplish.

#### ⑤ COLOR control

Adjusts the color intensity of the picture. Clockwise rotation makes the picture vivid; counterclockwise rotation makes it pale.

#### ⑥ BRIGHT (brightness) control

Adjusts the brightness. Normally set this control at the center detent position.

#### ⑦ PICTURE control

Adjusts the contrast, color intensity and brightness simultaneously in the proper ratio.

#### ⑧ POWER switch and indicator

To turn the monitor on, depress the POWER switch. The indicator will light. To turn the monitor off, press the switch again.

#### On the top : Color temperature selector

This selector is set to 9,300°K at the factory. If necessary, set to 6,500°K with a minus screwdriver.

#### ⑨ Input selector buttons and indicators

Press to select the program to be monitored.

LINE A: for a signal from the LINE A (VIDEO/AUDIO or TUNER) (TUNER) connectors.

LINE B: for a signal from the LINE B connectors.

VTR: for a signal from the 8-pin VTR connector.

RGB: for a signal from the R, G, B and AUDIO (RGB) connectors.

CMPTR: for a signal from the 25-pin CMPTR connector.

When an input select button is pressed, the indicator above the button will light up.

#### ⑩ Color system indicators

Indicate the color system of the playback of the VTR.

#### ⑪ SYNC select switch

Sync may be supplied from an external sync generator to the EXT SYNC IN connector on the rear panel. When an external SYNC is supplied with either composite or non-composite video input, release the SYNC SELECT switch (EXT). When composite video is supplied without external sync, depress the SYNC select switch (INT).

#### ⑫ COMB FILTER select switch

Keep this switch depressed (COMB) during normal use to obtain fine picture detail without color spill or color noise. When a microcomputer, such as the APPLE II, is connected and stripes appear, release this switch (TRAP).

#### ⑬ AFC (automatic frequency control) switch

Select the AFC operation in the fast mode or slow mode.

FAST: incoming sync timing errors are compensated for.

SLOW: incoming sync timing errors are displayed on the screen.

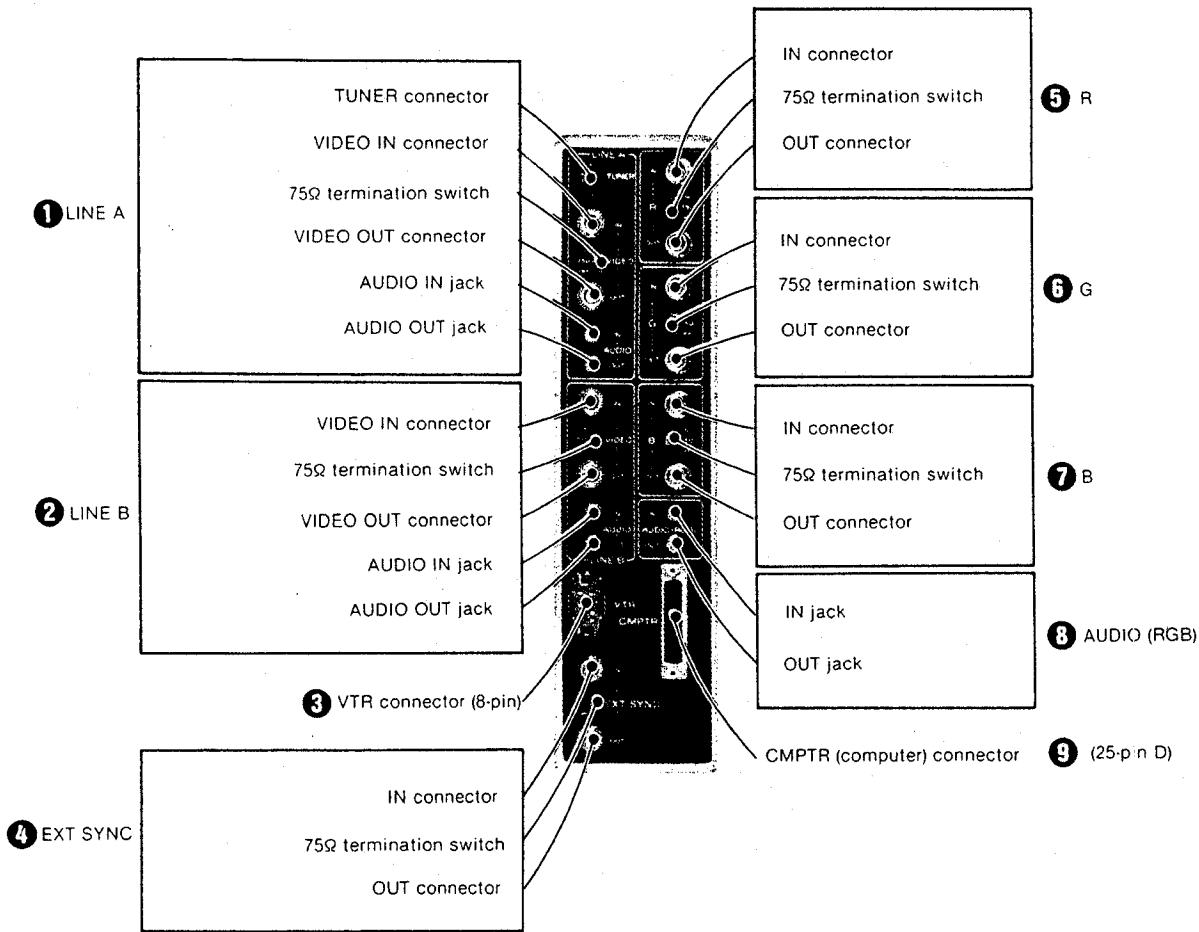
This mode is used to monitor the jitter from the VTR.

#### ⑭ COLOR MODE select switch

Usually keep this switch depressed to select the color system automatically. Release this switch when the picture receiving SECAM color sources is distorted. The picture will become clear.

## 1-4. SYSTEM CONNECTION

### CONNECTORS FOR VIDEO/AUDIO/MICROCOMPUTER



#### ① LINE A ② LINE B

Press the LINE A or LINE B input select button to monitor the signal.

#### TUNER connector (BNC)

Connect to the output connector on the special color TV tuner with the connecting cable supplied with the tuner. The video and audio signals and power can be connected simultaneously with this cable. When the tuner is connected to this connector, the VIDEO IN/OUT connectors and the AUDIO IN/OUT connectors of LINE A cannot be used. Press the LINE A input select switch to monitor the signal from a color TV tuner.

#### VIDEO IN connectors (BNC)

Connect to the video output of a video tape recorder or another monitor (for loop through connection), or to a color camera.

#### 75Ω termination switches

When only one monitor is used, set the switch to ON. When several monitors are connected, set the switch of the last monitor in the looped chain to ON and set it to OFF on the other monitors.

#### VIDEO OUT connectors (BNC)

Connect to the video input of another monitor or a video tape recorder.

#### AUDIO IN jacks (minijack)

Connect to the audio output of a video tape recorder or another monitor (for loop through connection), or to a microphone using a suitable microphone amplifier.

#### AUDIO OUT jacks (minijack)

Connect to the audio input of another monitor or a video tape recorder.

#### ③ VTR connector (8-pin)

Connect to a video tape recorder equipped with an 8-pin connector. For monitoring, press the VTR input select button. For connection, use the optional video cable, VMC-3P(3 m), -5P(5 m), -10P(10 m), -25P(25 m) or -50P(50 m).

#### ④ EXT SYNC

#### IN connector (BNC)

Connect to an external sync generator.

#### 75Ω termination switch

When equipment is connected to the EXT SYNC OUT connector, set the switch to OFF. When nothing is connected, set to ON.

#### OUT connector (BNC)

Supplies the external sync signal from the external sync generator connected to the EXT SYNC IN connector.

**⑥ R ⑦ G ⑧ B**

**IN connectors (BNC)**

Allow a character generator, microcomputer or video camera having analog RGB outputs to be connected. Press the RGB input select button to monitor the signal.

**75Ω termination switches**

When only one monitor is used, set the switch to ON. When several monitors are connected, set the switch of the last monitor in the looped chain to ON and set it to OFF on the other monitors.

**OUT connectors (BNC)**

Connect to the analog RGB inputs of another monitor.

**⑨ AUDIO (RGB)**

**IN jack (minijack)**

Connect to the audio output of the equipment connected to the RGB IN connectors. Press the RGB input select button to monitor the signal.

**OUT jack (minijack)**

Connect to the RGB audio input of another monitor.

**⑩ CMPTR (computer) connector (25-pin D)**

Connect to a microcomputer with digital or analog RGB outputs. Press the CMPTR input select button to monitor the signal.

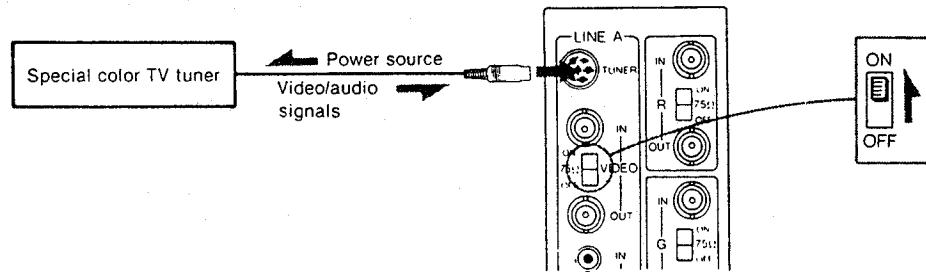
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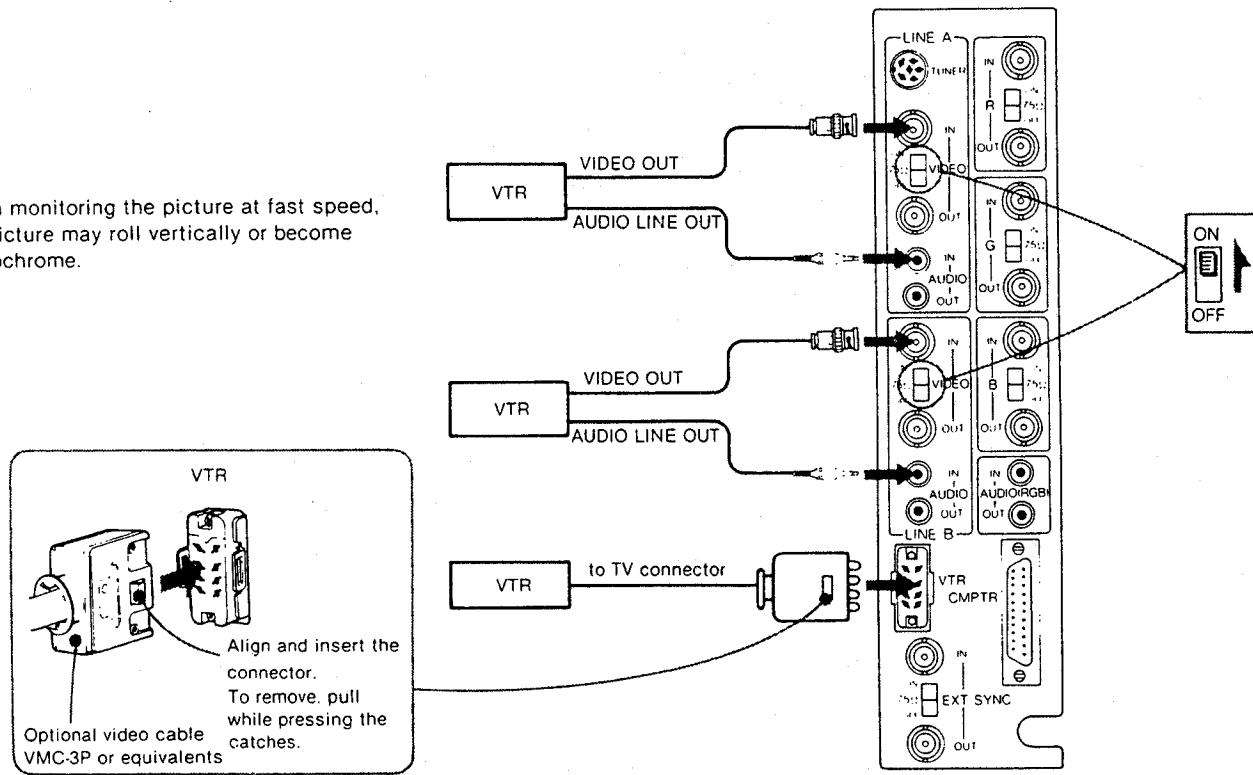
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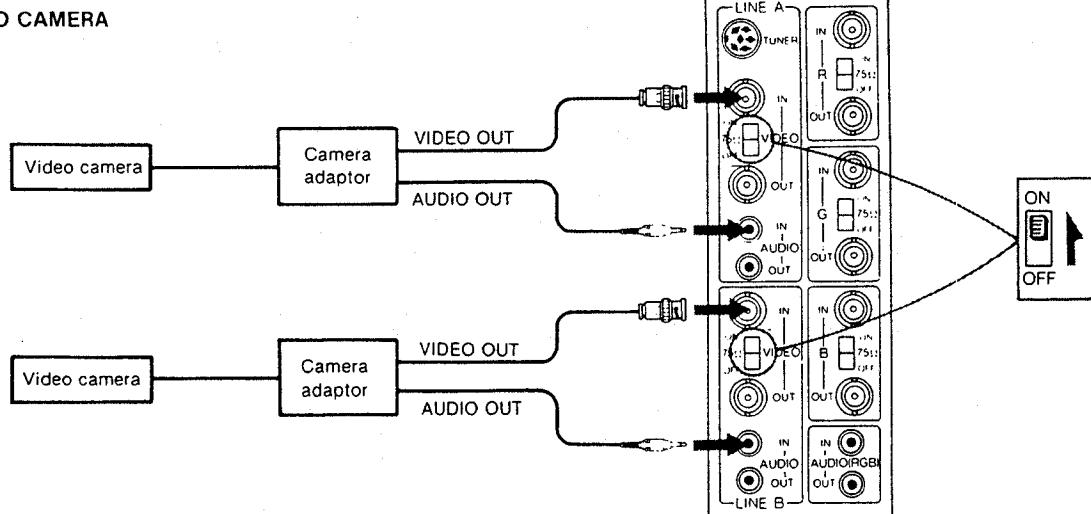
## CONNECTING A COLOR TV TUNER



## CONNECTING A VIDEO TAPE RECORDER

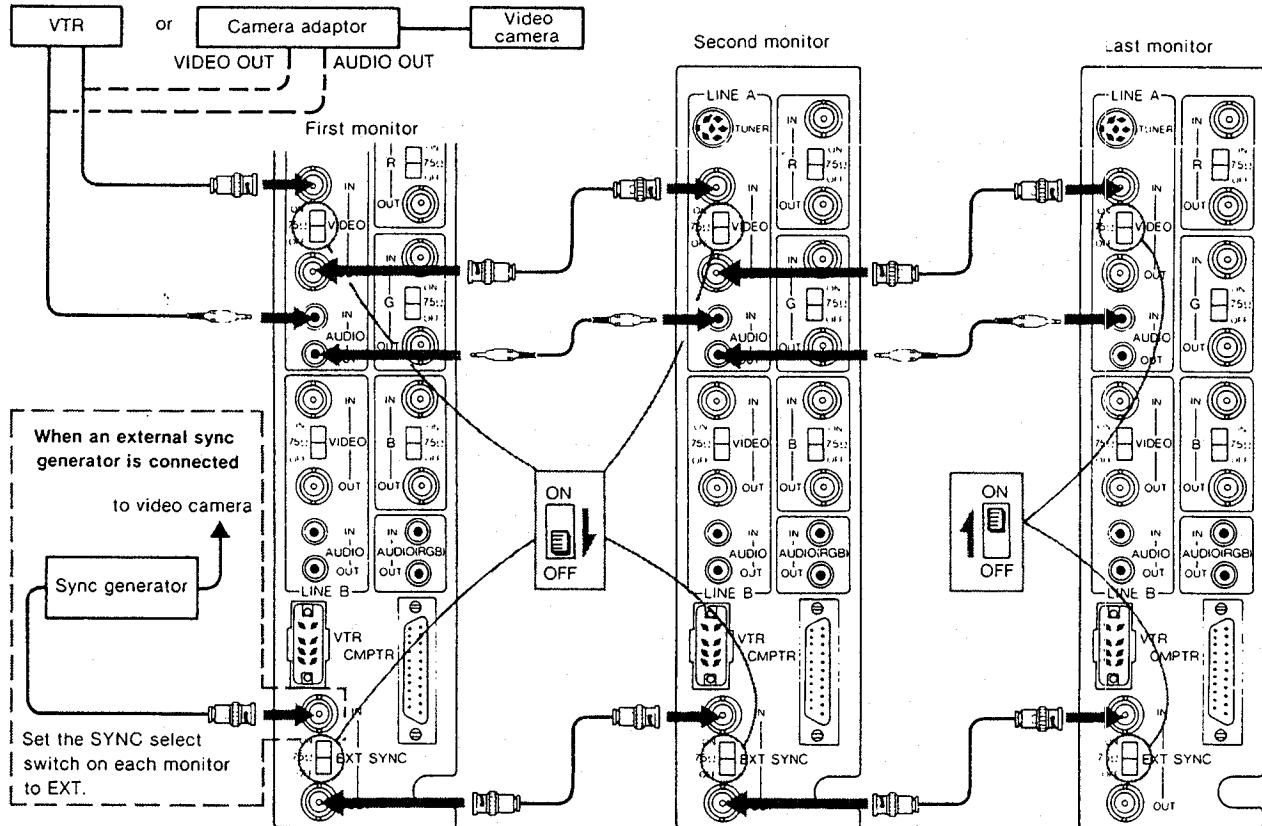


## CONNECTING A VIDEO CAMERA



## MULTIPLE MONITOR CONNECTION

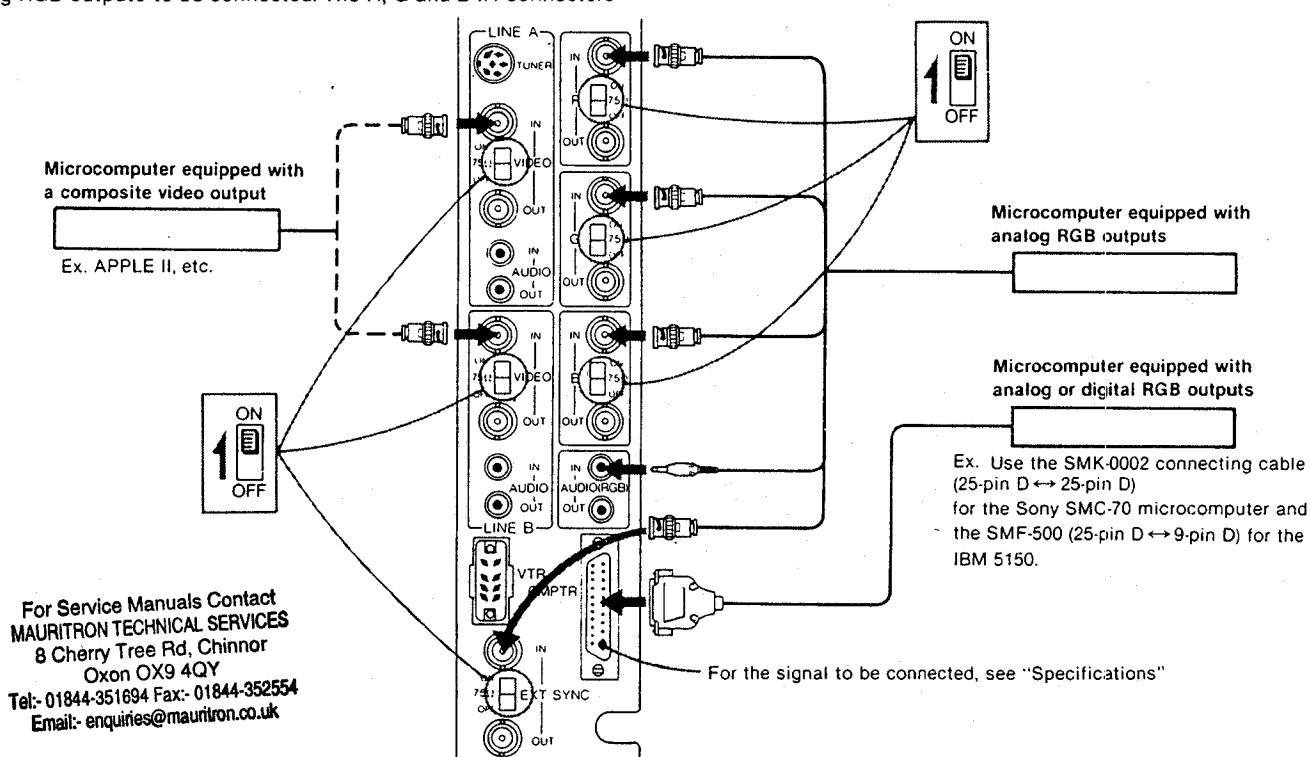
Up to 10 monitors may be connected. Set the  $75\Omega$  termination switch of the last monitor to ON and that of the other monitors to OFF.



## CONNECTING A MICROCOMPUTER

The CMPTR connector allows a microcomputer with digital or analog RGB outputs to be connected. The R, G and B IN connectors

allow a microcomputer with analog RGB outputs to be connected.



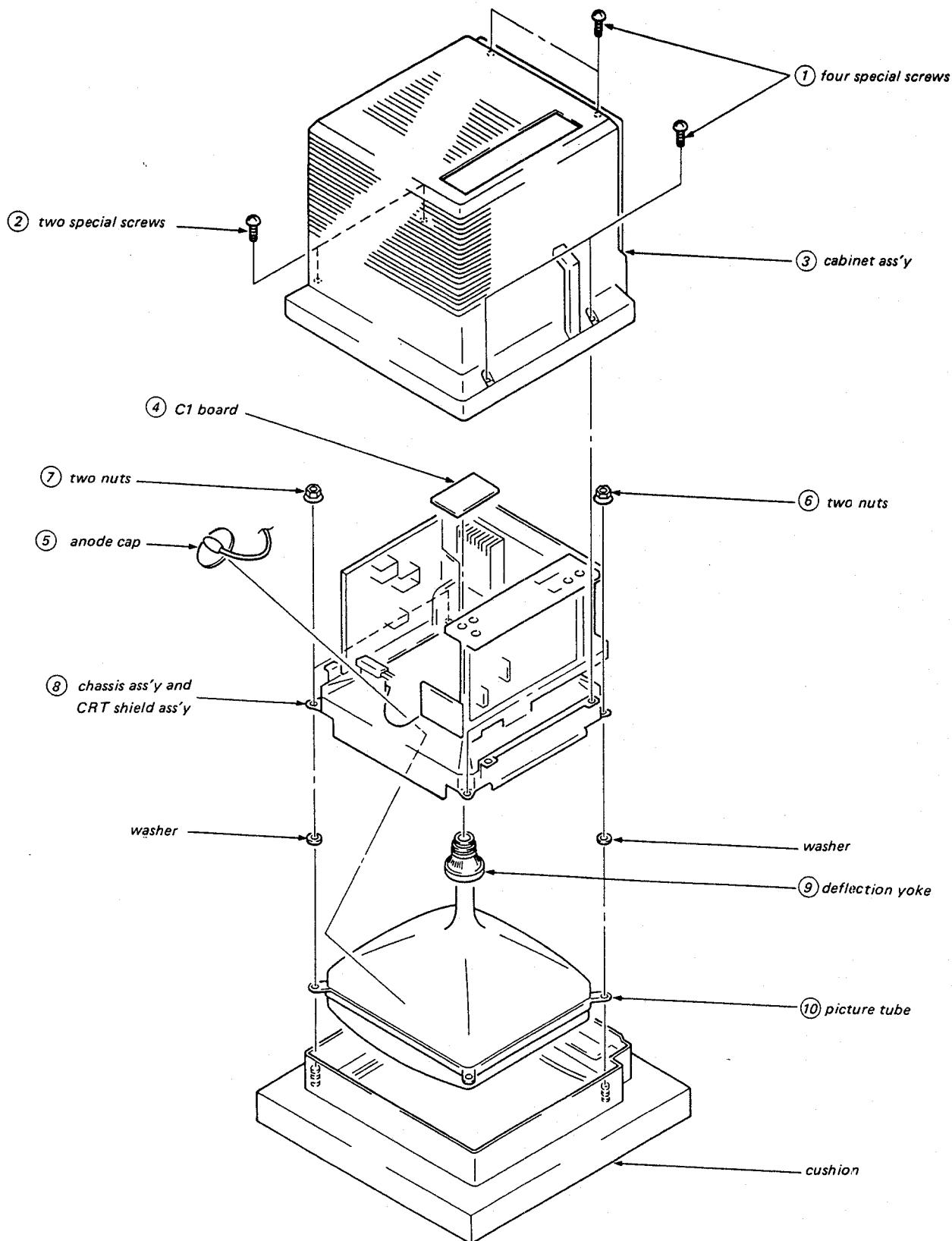
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## SECTION 2

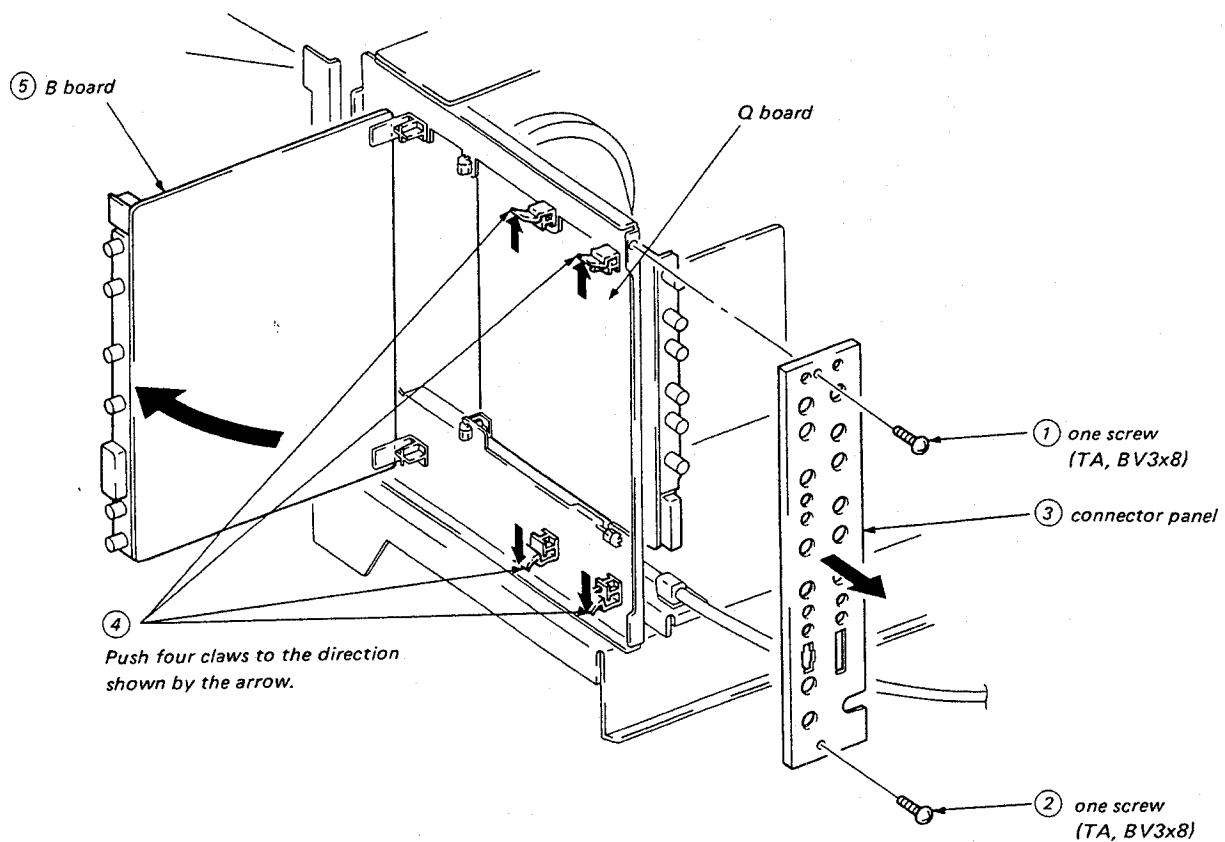
### DISASSEMBLY

#### (1) CABINET ASS'Y AND PICTURE TUBE REMOVAL

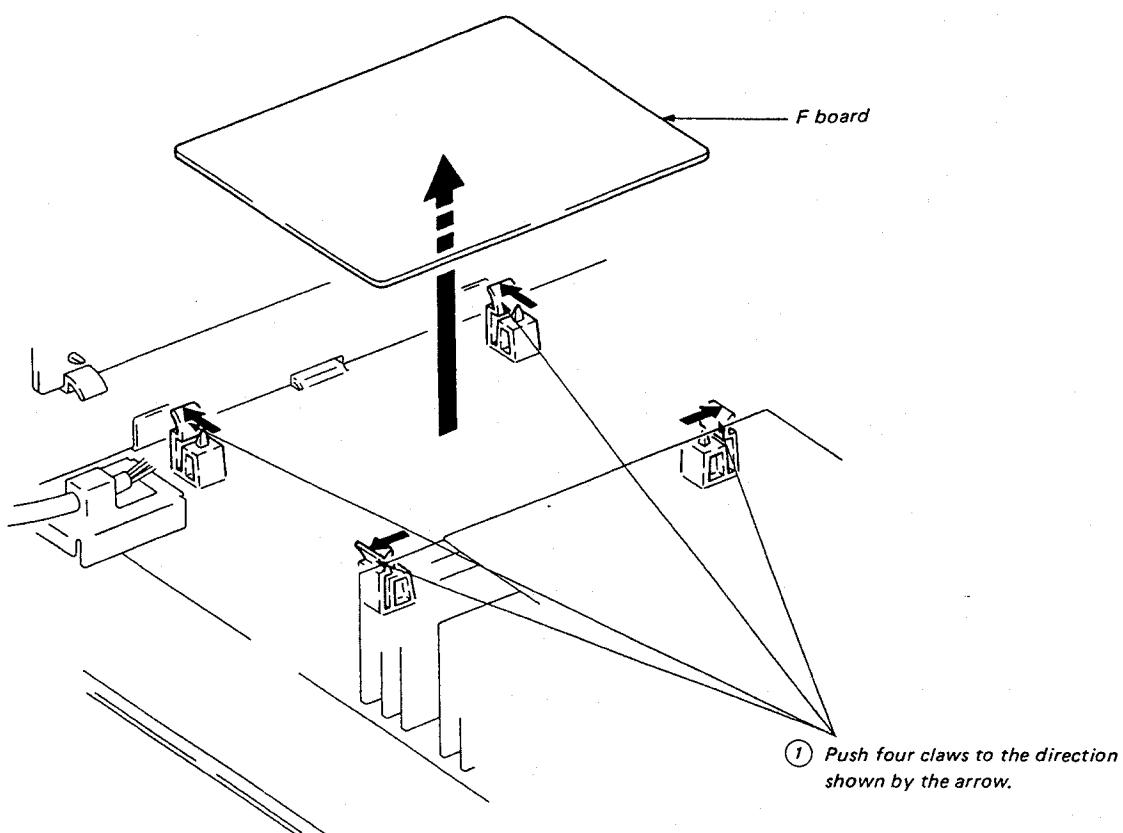
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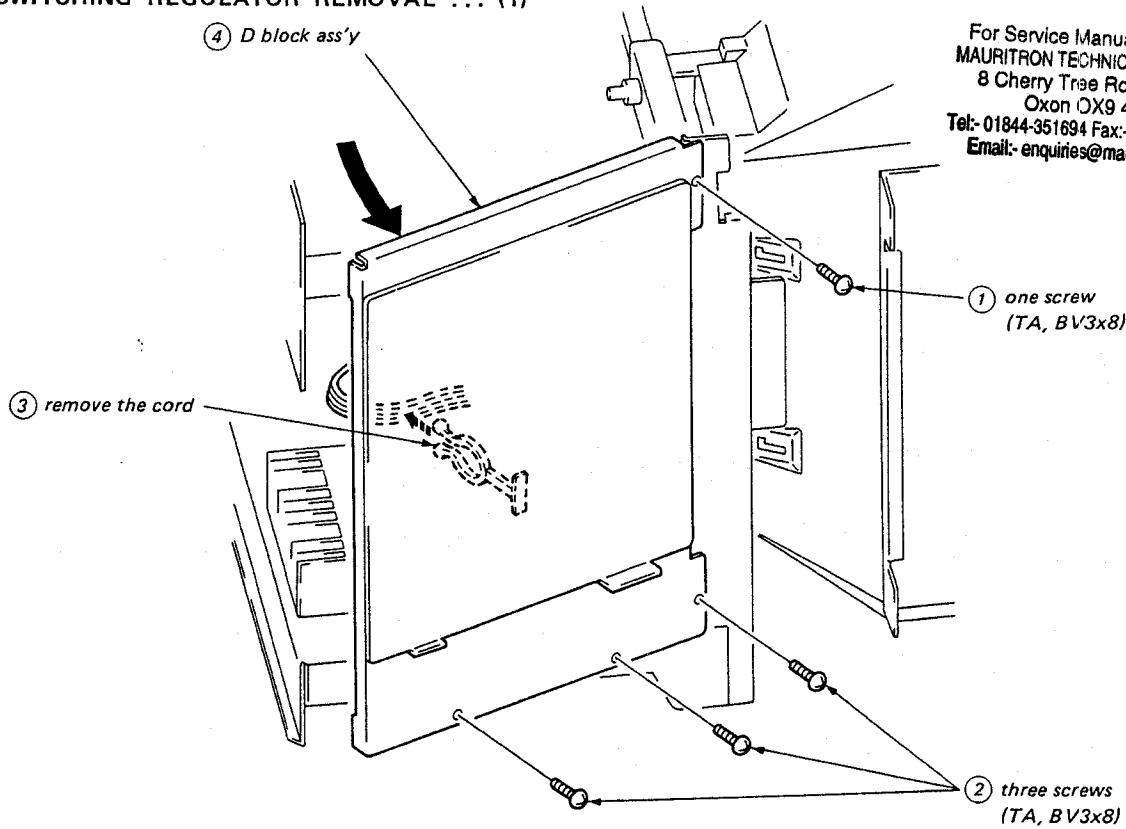
## (2) FOR CHECKING B AND Q BOARD UP



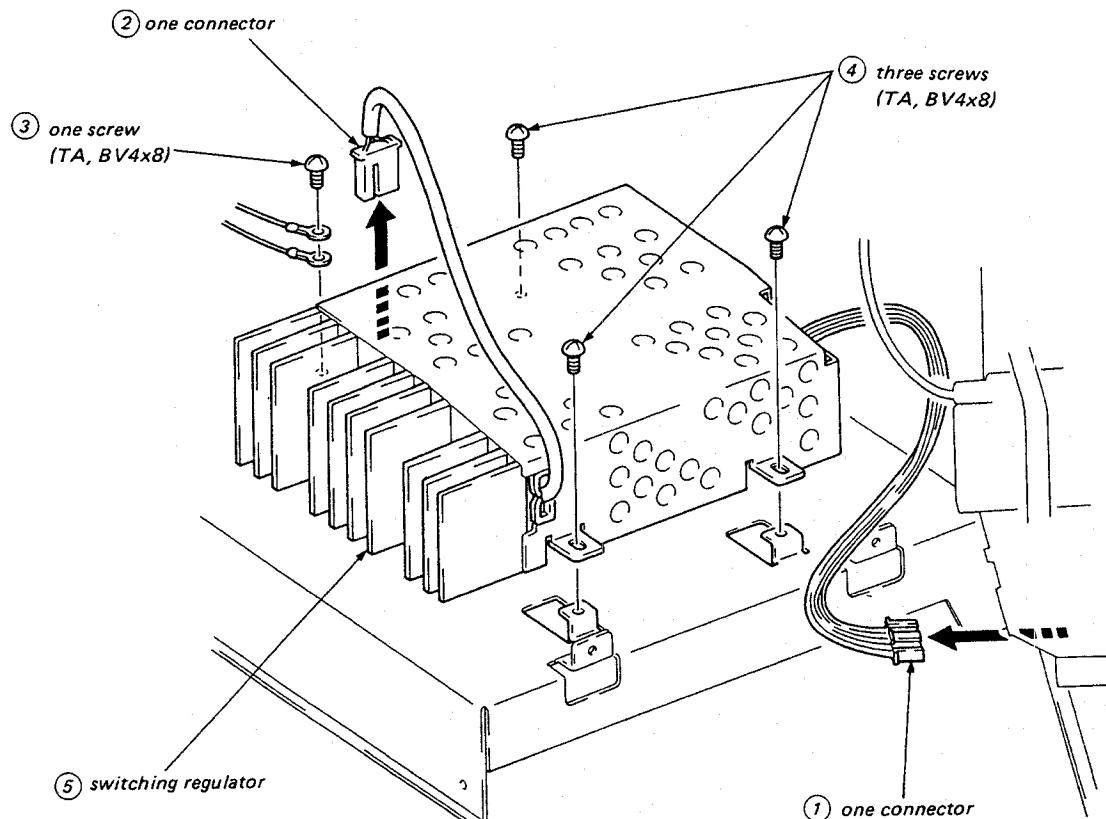
## (3) F BOARD REMOVAL



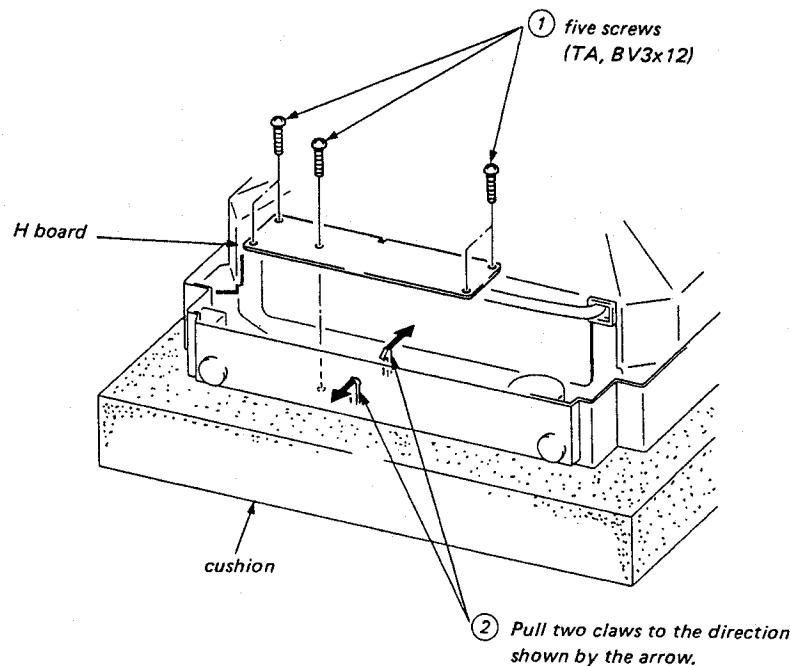
(4) SWITCHING REGULATOR REMOVAL ... (1)



(5) SWITCHING REGULATOR REMOVAL ... (2)



(6) H BOARD REMOVAL



### SECTION 3 SETUP ADJUSTMENTS

#### 3-1. BEAM LANDING

Landing Adjustment. In the case of a 6,500°K color temperature, the number of VRs to be adjusted will differ.

- (1) Turn on set power supply and receive and all-white 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 Fig. 1-1.
- (4) Set BKG volume RV708 (G) to maximum and set RV712 (B) and RV704 (R) to minimum.
- (5) Move the deflection yoke back, and adjust the purity control so that (G) is in the center and (R) and (B) are at the sides, evenly. (Fig. 1-2)
- (6) Move the deflection yoke forward so that the entire screen is G.

- \* If the deflection yoke is pushed all the way to the CRT then moved slightly back, landing adjustment is easier.
- (7) Substitute (R), then (B) for (G) in step (4) and check landing.
- (8) Rotate (R), (G) and (B) once each and check landing.
- (9) When landing is not right, adjust the purity control and use magnets as shown in Fig. 1-3, 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.

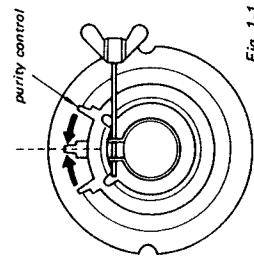


Fig. 1-1.

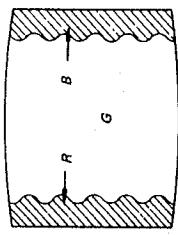


Fig. 1-2

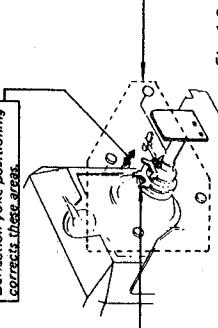
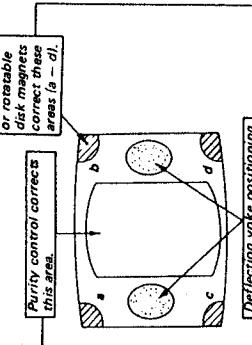
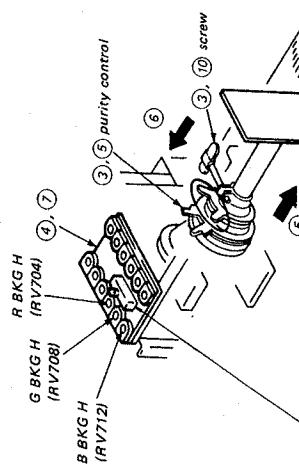


Fig. 1-3.



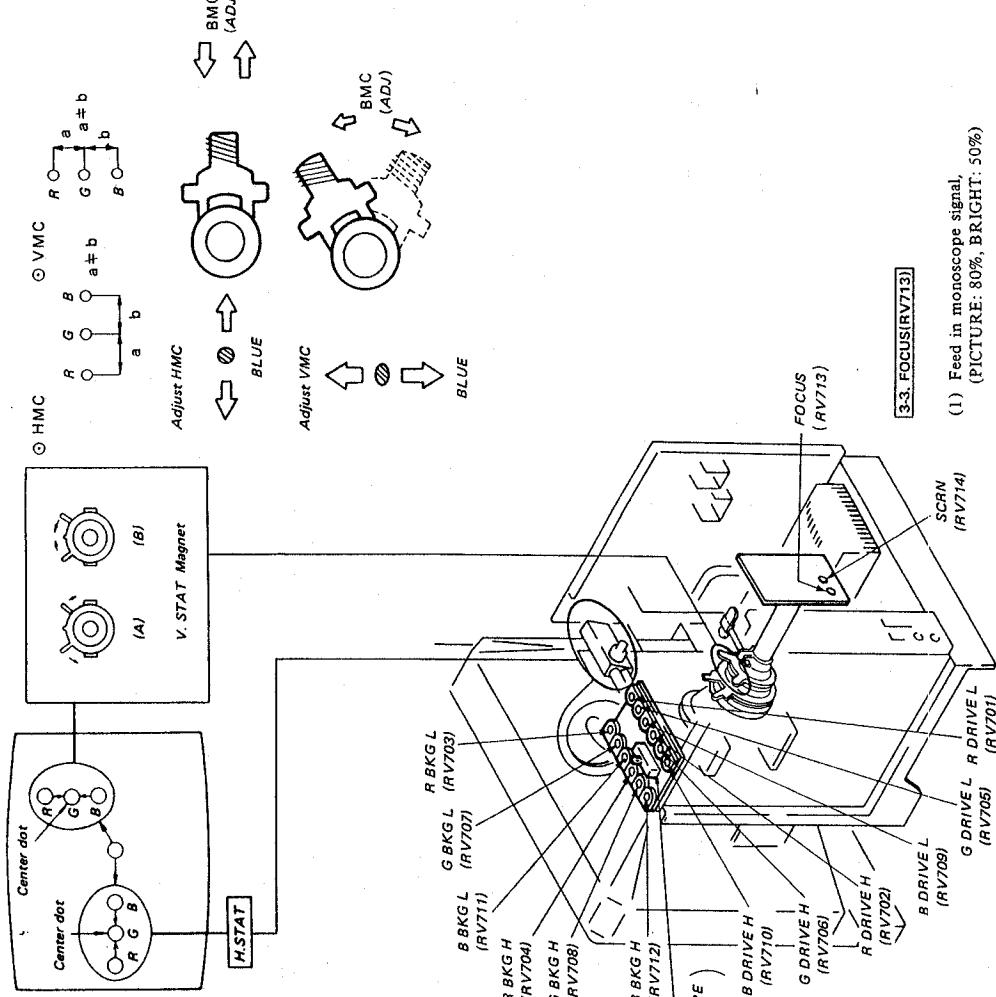
Note: The circled numbers (③-⑦ and ⑩) shown above steps.

#### 3-2. CONVERGENCE

##### Preparation:

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

In either case, repeat Beam Landing Adjustment.



- (1) Feed in monoscope signal, (PICTURE: 80%, BRIGHT: 50%)
- (2) Adjust RV713 for best Focus.

#### 3-3. FOCUS(RV713)

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S701 (COLOR TEMPERATURE )  
SELECT SWITCH

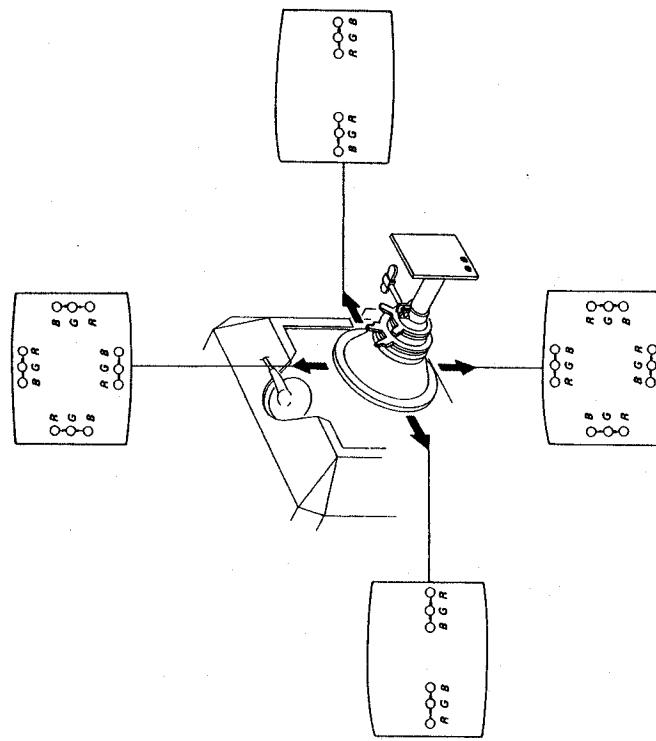
Note: The circled numbers (③-⑦ and ⑩) shown above steps.

- (1) Feed in monoscope signal, (PICTURE: 80%, BRIGHT: 50%)
- (2) Adjust RV713 for best Focus.

(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.



**3.4. WHITE BALANCE**

[For 5,300° K Color Temperature.]

- (1) Receive a totally white signal from the pattern generator.
- (2) Set  $\bar{B}RIGHT$  at 50%,  $\bar{F}LUTTER$  at 60%, the various  $\bar{BK}G$  VRs ( $RV704$ ,  $708$ , and  $712$ ) at 50%, and the various DRIVE VRs ( $RV702$ ,  $706$ , and  $710$ ) at 80%.
- (3) Turn all the other  $\bar{BK}G$  VRs than the one for the color that started glowing first, and adjust the white balance at cut-off.
- (4) Adjust the high light side white balance with drive VRs.

(5) By turning other drive VRs than the one for the color glowing the brightest of all, adjust the white balance. Repeat operating steps (3) and (4).

[For 6,500° K Color Temperature.]

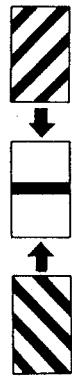
- (1) By turning  $\bar{BK}G$  VRs ( $RV703$ ,  $707$ , and  $711$ ) and drive VRs ( $RV701$ ,  $705$ , and  $709$ ), make the same adjustment as in the 5,300° K color temperature mode.
- \* After white balance adjustment, set the black level to screen [picture frame] with  $RV708$ .

CIRCUIT ADJUSTMENTS SECTION 4

#### **4-1. D BOARD ADJUSTMENTS**

MATERIALS AND METHODS A summary

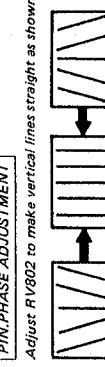
- (1) Receive a monoscope signal.  
 (2) Set PIC VR at 80% and BRT VR at 50%, and connect for an external sync.  
 (3) Ground the GND02 base.  
 (4) Turn H FREQ VR (RV504), and adjust for the image to appear on the monitor.



*low to correct to*

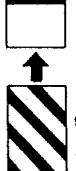
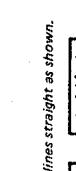
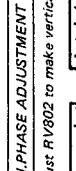
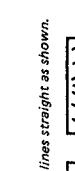
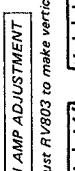
- Horizontal Deflection Block Adjustment**

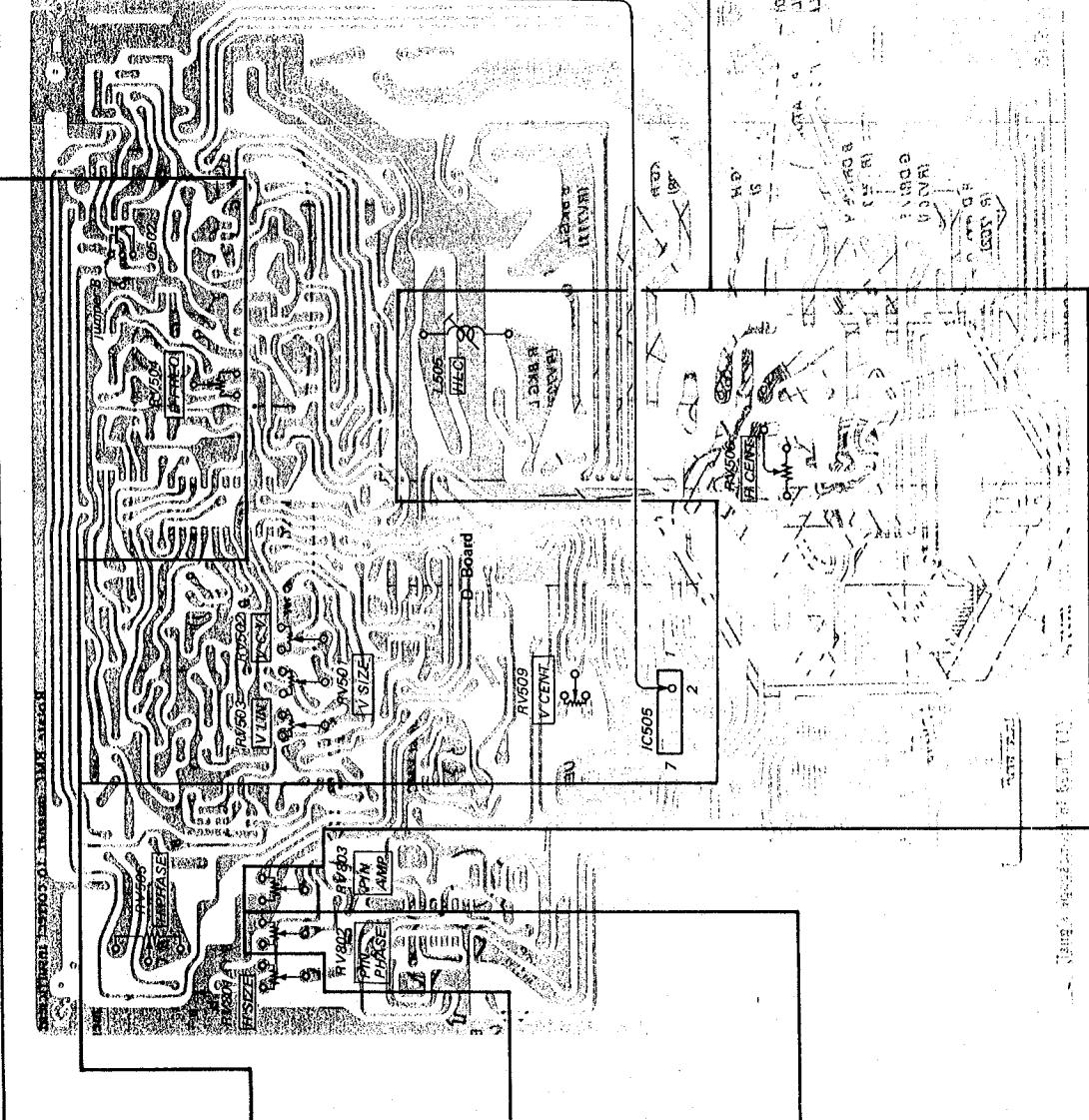
  - (1) Receive a monoscope signal.
  - (2) Set **BRIGHT** at 80% and **BRIGHTEST** at 50%.
  - (3) Turn **H PHASE VR** (**RV505**), verify that the **H center** will shift accordingly, and turn the **VR** to the extreme clockwise position.
  - (4) Turn **H-CENT VR** (**RV506**), and verify that the **H center** will shift accordingly.
  - (5) Turn the **HLC** (**L505**) core for the picture size to be maximized.
  - (6) Adjust **H SIZE VR** (**RV801**) for the **H size** at screen center, no horizontal banding or frame noise.



**PIN AMP ADJUSTMENT**  
Adjust RV803 to make vertical lines straight as shown.



Horizontal Oscillator Frequency Adjustment	(1) Receive a monoscope signal. Set P/C VR at 80% and BRT VR at 50%, and connect for an external sync.
	(2) Turn H FREQ VR (RV504), and adjust for the image to stop flowing.
	
	low f0      correct f0
	
Horizontal Deflection Block Adjustment	(1) Receive a monoscope signal. Set BRIGHT at 80% and BRIGHT at 50%.
	(2) Turn H PHASE VR (RV505), verify that the H center will shift accordingly, and turn the VR to the extreme clockwise position.
	(3) Turn H CENT VR (RV506), and verify that the H center will shift accordingly.
	(4) Turn the H/LC (L505) core for the picture size to be maximized.
	(5) Adjust H SIZE VR (RV801) for the H size at screen center to be made 16 frames.
	
	Adjust RV802 to make vertical lines straight as shown.
	
PIN AMP ADJUSTMENT	(1) Adjust RV803 to make vertical lines straight as shown.
	
	Adjust RV803 to make vertical lines straight as shown.
	



Vertical Deflection Block Adjustment and Confirmation

- (1) Receive a monoscope signal.  
 (2) Set PIC VR at 80% BRT VR at 50% and RV501 and RV503 at mechanical center.

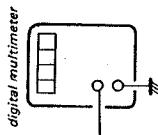
(3) Adjust Vertical Central Voltage VR (RV502) so that it comes nearly at DC 13V.

Note: Voltage changes at vertical center VR (RV503) and, therefore, make the adjustment by tracking.

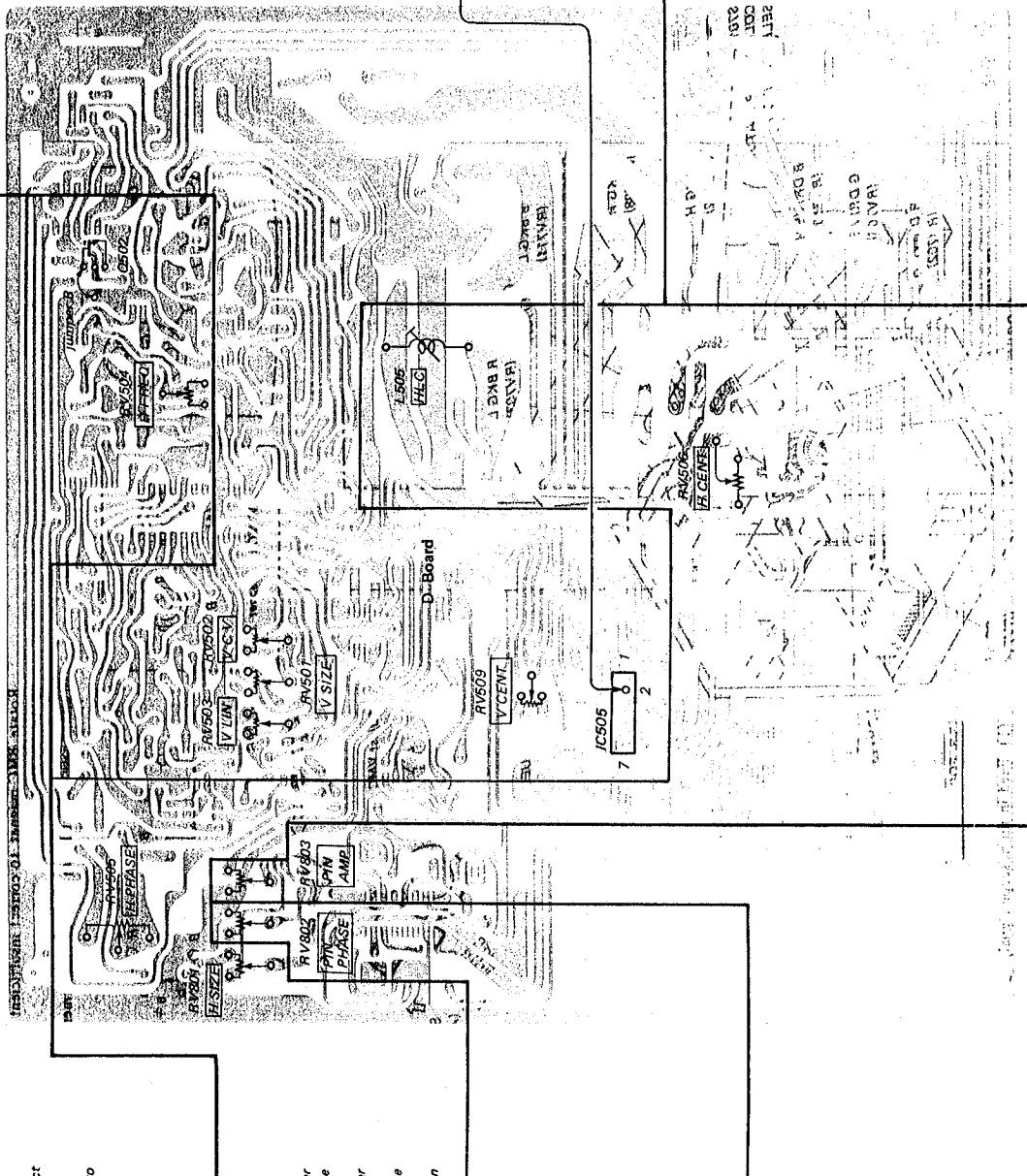
(4) Regulate Vertical Linearity VR (RV503) to adjust  $V$ -linearity.

(5) Turn V CENT VR (RV508) so as the frame numbers in the upper half and the lower half from center becomes equal.

(6) Turn Vertical Amplitude VR (RV501) to adjust the amplitude so that it becomes approx. 12 frames.



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7-42. B BOARD ADJUSTMENTS

**ANTI-PAL, LINE CRAWLING Adjustment**

(1) Anti-PAL Adjustment

1) Input a PAL color bar.

2) PICTURE 80%

COLOR 50%

BRT 50%

3) Confirm that there is no color on the first anti-PAL signal frames at the right and left of the picture. If there is, adjust to remove the anti-PAL color at both sides while tracking with RV103 (HUE CENT) and RV110 (DELAY ADJ.).

**APC Adjustment**

(1) 4.43 (APC-2) Adjustment

1) Input a PAL color bar.

2) Connect a  $100k\Omega$  resistor between RV106 pin ② and ground. (Killer circuit goes off.)

3) Connect IC104 pin ② to +5 via the  $2.2k\Omega$  resistor to get 4.43 mode.

4) Ground IC103 pin ⑯ with a  $10k/16V$  chemical capacitor and remove color sync.

5) Adjust RV104 (APC-1) to get color sync.

**Line Crawling Adjustment**

(2) Line Crawling Adjustment

1) Input a PAL color bar.

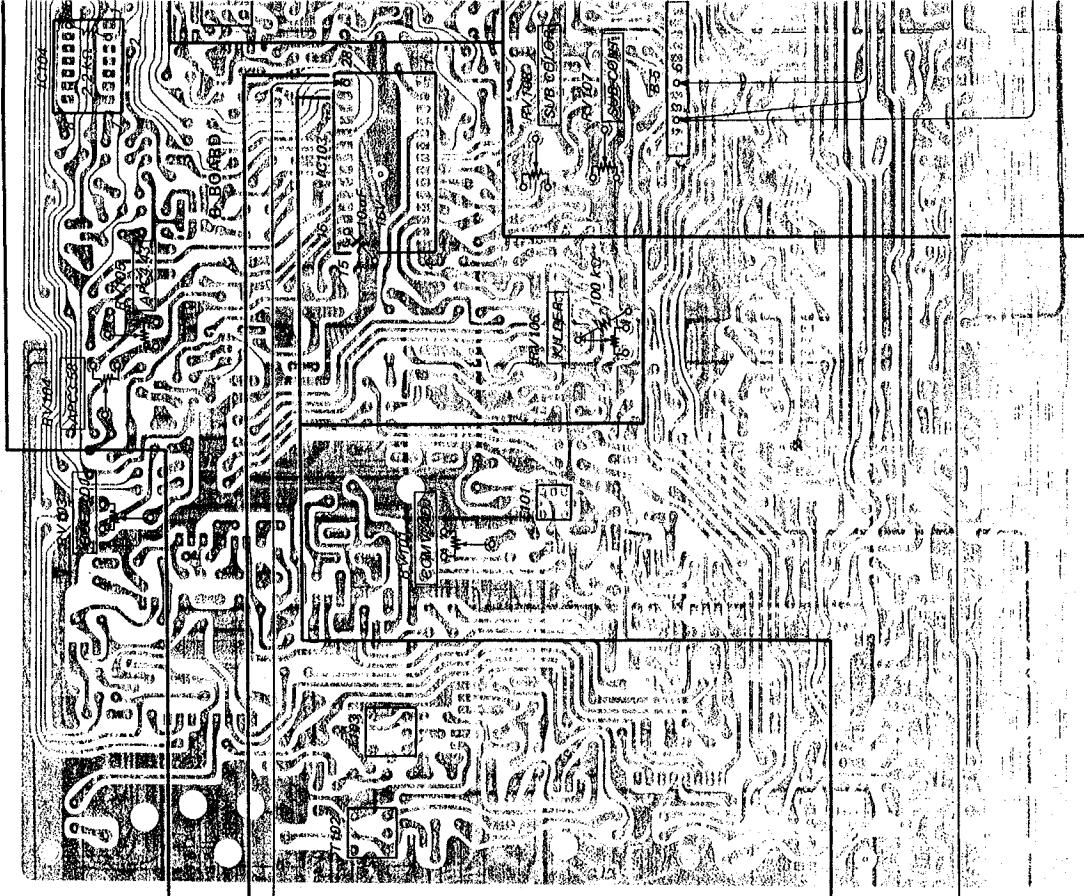
2) Adjust T104 (DAT) for minimum line drawing.

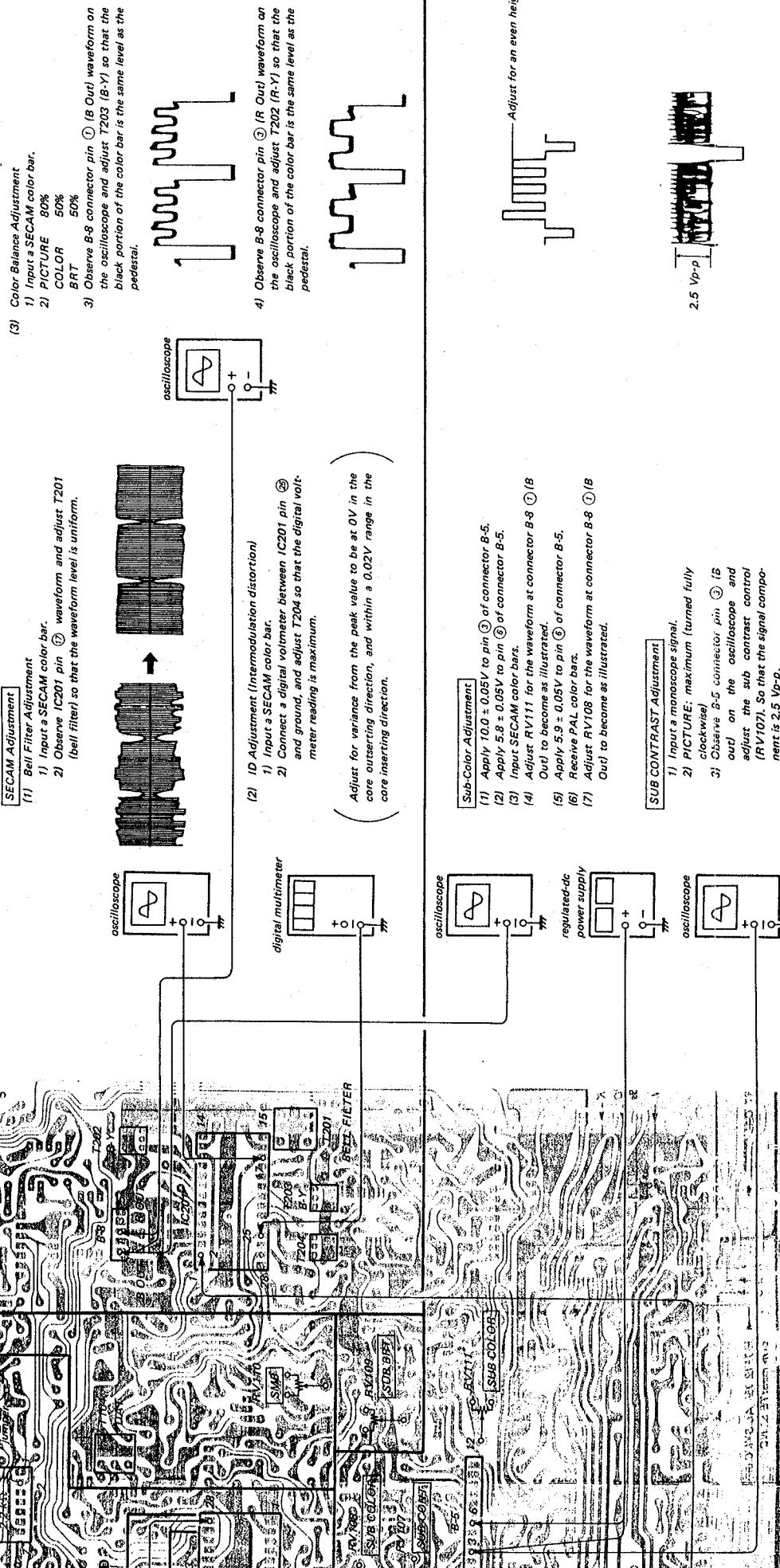
3) Confirm the anti-PAL adjustment in (1), and repeat (2) and (1) if necessary.

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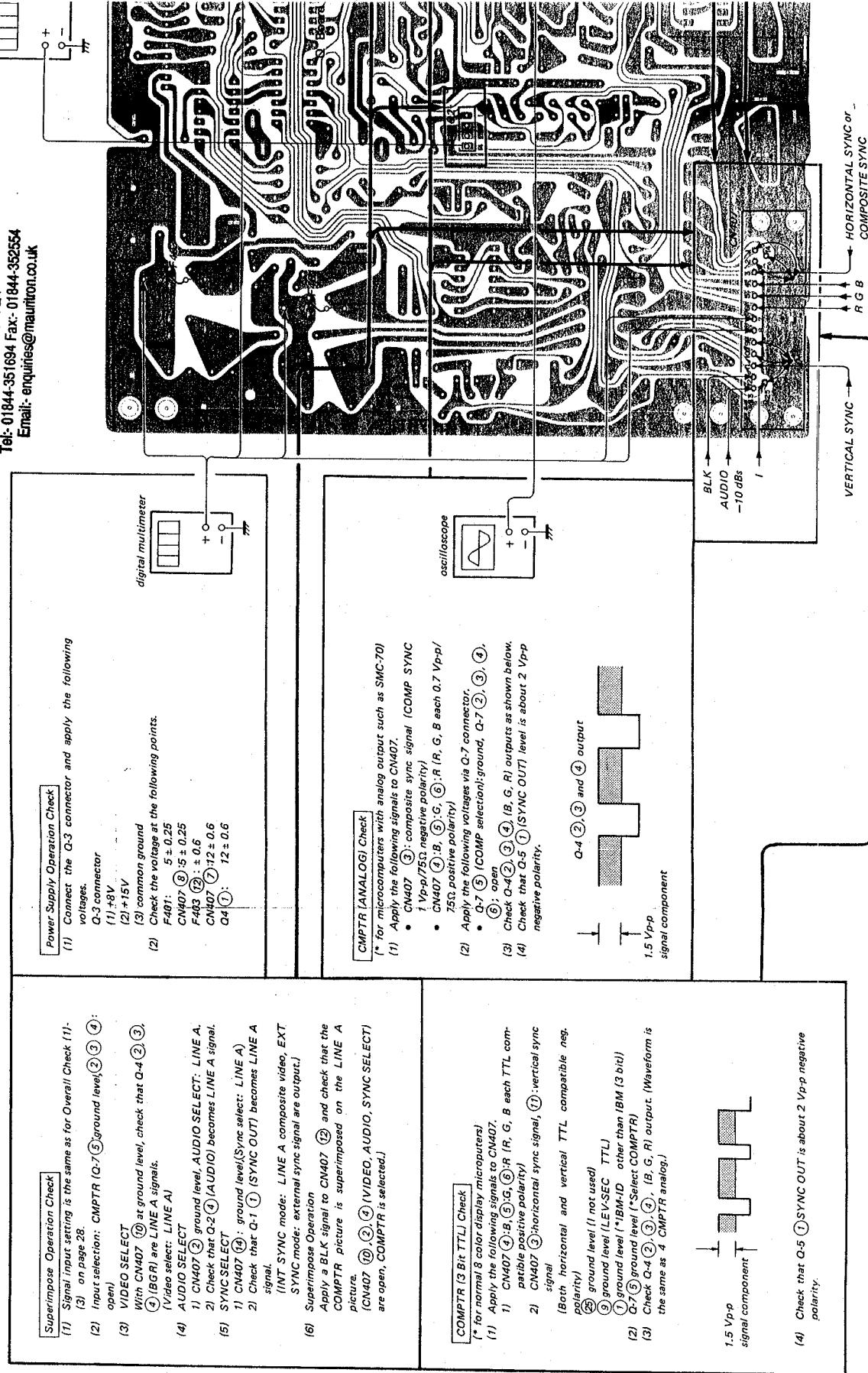
Tel: 01844-351634 Fax: 01844-352554  
Email: enquiries@mauriton.co.uk

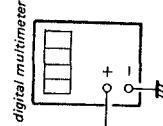




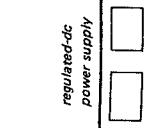
4-3. O BOARD ADJUSTMENTS

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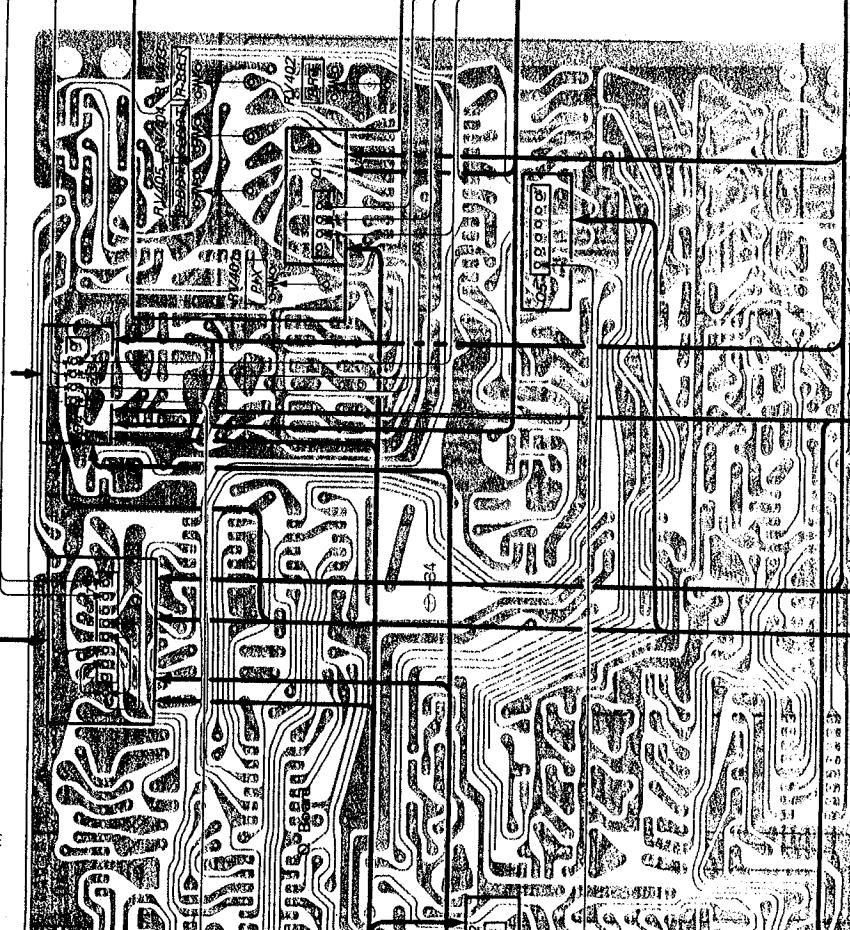




digital multimeter



regulated-dc  
power supply



#### R, G, B System Operation Check and Preset

PICTURE: minimum

BRIGHT: Set at mechanical center

(1) Apply the following voltages via the Q-7 connector.

- (1) Q-7(4) RGB selection: ground level
- (2) Q-7(7) PIC: 4.0V DC
- (3) Q-7(8) (BRT): 6.0V DC

(2) Connector input

Apply RGB signal to each of the following inputs:

CNA01 : R

CNA03 : G

CNA05 : B

(3)\* BRT Adjustment

- 1) Set G-B-R-T (R/V404) at mechanical center.
- 2) Adjust BRT (RV402) so that Q-4 connector (3) (G output) pedestal level is 2.8V DC.

(3)\* BRT Adjustment

- 1) Set G-B-R-T (R/V404) at mechanical center.
- 2) Adjust BRT (RV402) so that Q-4 connector (3) (G output) pedestal level is 0.7V DC.

(4) Connector input

Apply RGB signal to each of the following inputs:

CNA01 : R

CNA03 : G

CNA05 : B

(5) PICTURE: maximum

- Q-7 connector (7) (PIC): 12.0V DC
- Adjust PIC (R/V401) so that Q-4 connector (3) (G output) signal component is 2.5 Vpp.

(6) PICTURE: minimum

- Q-7 connector (7) (PIC): 12.0V DC
- Adjust PIC (R/V401) so that Q-4 connector (3) (G output) signal component is 2.5 Vpp.

(7) Check that Q-4 connector (2) (B output) and (4) (R output) are also 2.5 Vpp.

#### Overall Operation Check

1) Connect Q1, Q2, Q3, Q4, Q5 and Q7, and B, D and H

2) Apply video and audio signals to B board A, B VTR inputs.

Also, apply a composite sync signal to the external sync input.

(video input (composite) 1 Vpp/75Ω audio input -10 dB external sync input 4 Vpp/75Ω negative polarity)

(3) Q Board

1) Apply these signals to R, G, B video and audio inputs.

(video input (component RGB) 0.7 Vp-p/75Ω audio input -10 dBs)

2) Apply input signals to CMPTTR connector.

CN407 (3) composite sync signal 1 Vp-p/75Ω (4), (5), (6), (7) G, R -0.7 Vp-p/75Ω (4), (5), (6), (7) B, G, R.

(4) LINE A Check

1) Input selection is LINE A, and sync selection is INT SYNC. (Q-7(2), (3), (4), (5), (7) open)

2) Check that LINE A decoded RGB signal is being output at Q-2 (3), (4), (5), (6), (7) G, R.

3) Check that Q-2 (4) AUDIO is LINE A. (Level drops about -16 dBs (about 6dB from connector input))

4) Check that there is LINE A video at Q-1 (7) (SYNC OUT) (Level is 2 Vpp)

5) Change sync selection to EXT SYNC. Check that at this time Q-1 (7) changes to composite sync signal from external sync connector.

(Q-7 (5) is ground level, output level about 2 Vpp, negative polarity)

(5) LINE B Check Select LINE B. (Q-7(2) ground level (3), (4), (5) open) Repeat steps 2-5) for LINE A.

(6) VTR Check Select VTR. (Q-7 (3) ground level (2), (3), (5) open) Repeat steps 2-5) for LINE A.

(7) RGB Check

1) Make input selection RGB. Sync selection is internal sync. (Q-7 (4) ground level (2), (3), (6) open)

2) Check that signals from R, G, B are coming out on Q-4 (2), (3), (4) (R, G, B).

3) Q-2 (7) (AUDIO) signal should be from RGB.

4) Check that there is a composite sync signal from external sync connector at Q-1 (7) (SYNC OUT).

5) Make sync selection EXT SYNC and make sure that Q-1 (7) output does not change. (In RGB mode, external sync is selected regardless of INT/EXT.)

(8) CMPTTR Check

1) Input selection: CMPTTR. Sync selection: INT SYNC (Q-7 (5) ground level (2), (3), (4) open)

2) Check Q-4 (2), (3), (4) (B, G, R) and check Q-2 (4) (AUDIO).

3) Check that Q-1 (7) (SYNC OUT) is the signal from CN407 (3)

4) Check that Q-1 (7) does not change when changing sync selection from INT/EXT.

#### CMPTTR (IBM) Check

(\*IBM 5150 personal computer)

1) Apply the following signals to CN407.

CN407 (2): (4) B, (5) G, (6) R

All TTL compatible positive polarity

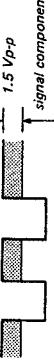
CN407 (3) ground level (LEVEL SEC TTL)

(2) Q-7 (5) ground level (CMPTTR select positive polarity)

(3) Check Q-4 (2), (3), (4) (B, G, R) outputs. (Waveform is the same as CMPTTR analog.)

(4) Check that Q-5 (7) (SYNC OUT) is about 2 Vpp negative polarity.

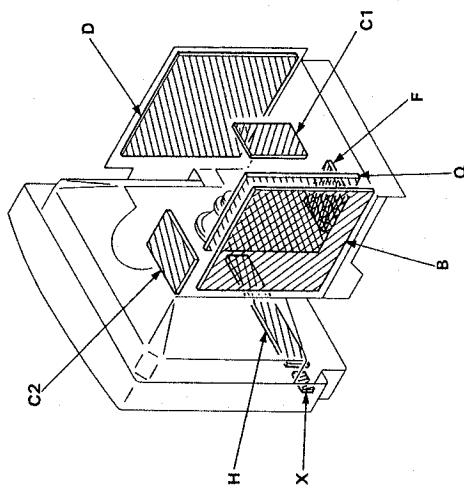
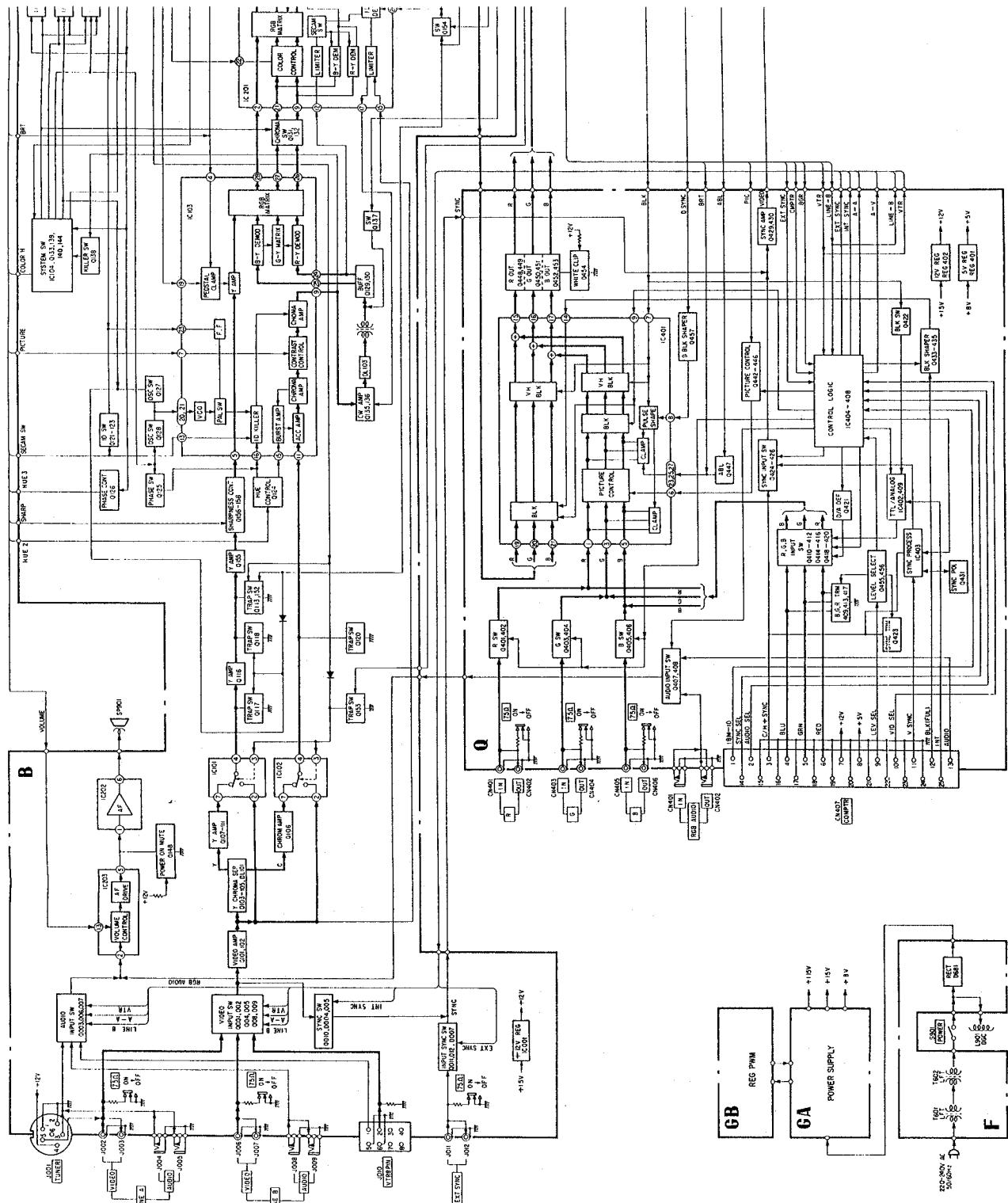
Q-4 (2), (3) and (4)



SECTION 5  
DIAGRAMS

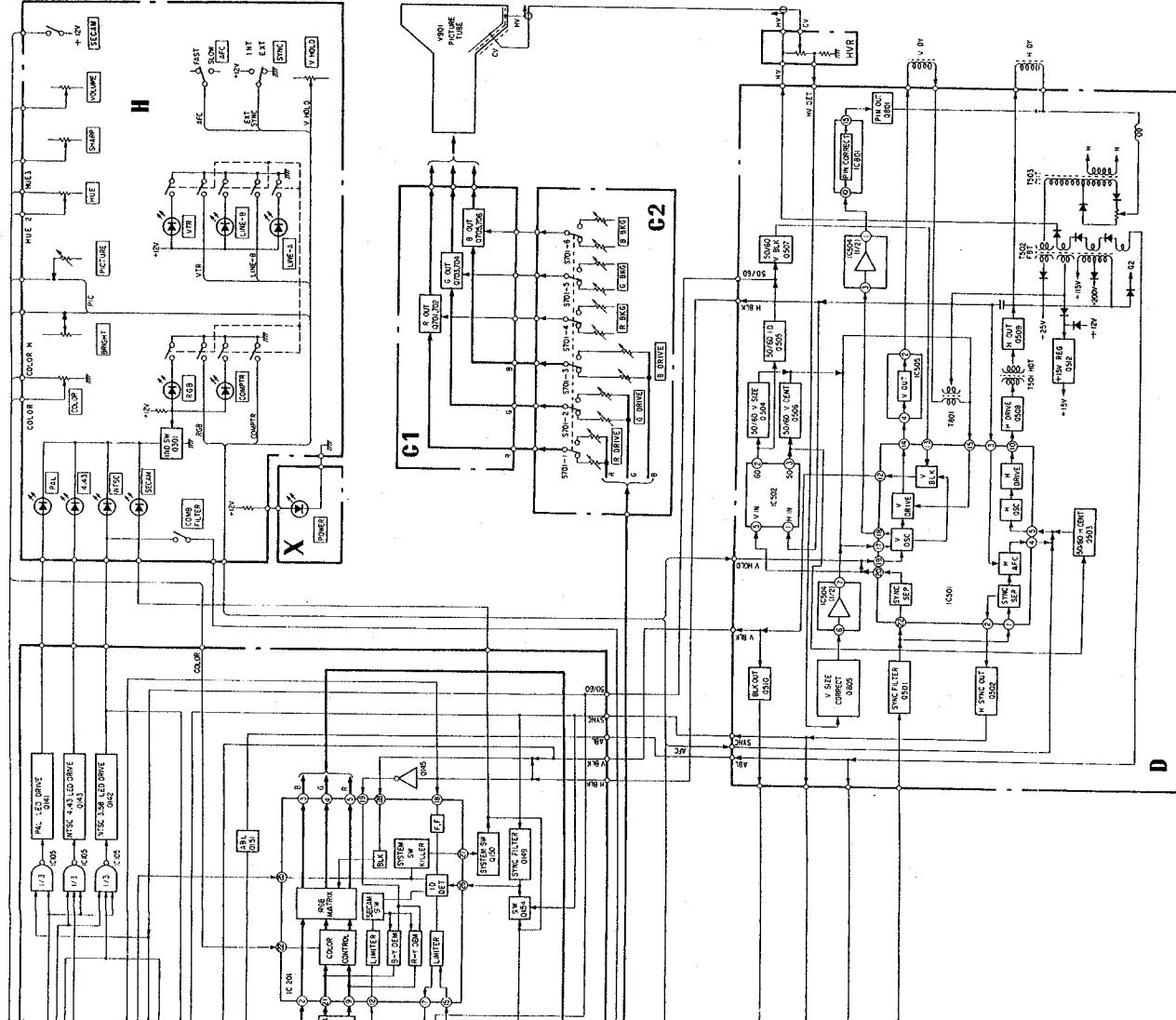
## 5-2. BLOCK DIAGRAM

5-1 CIRCUIT BOARDS LOCATION



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5-3. SEMICONDUCTORS



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

5.4. SCHEMATIC DIAGRAM

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

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF :  $\mu\text{F}$
- 50mV or less are not indicated except for electrolytics.
- All resistors are in ohms. 1/6W unless otherwise noted.
- K12 = 100Q $\times$ 1.2
- Notice that the following boards have not a resistance wattage of 1/6W.

GA Board ..... 1/4W (as a reference)

: nonflammable resistor.

: fusible resistor.

: internal component.

: panel designation.

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

Readings are taken with a color-bar signal input to LNE A.

Voltages are dc with respect to ground unless otherwise noted.

The voltage of Q601 ~ Q603 is a reference value between emitter of Q601.

Readings are taken with a 10M $\Omega$  digital multimeter.

adjustment for repair.

Voltage variations may be noted due to normal production tolerances.

: B + bus.

For the waveform diagram, refer to page 50.

(1) The number indicates No. of a waveform diagram.

For the waveform diagram, refer to page 50.

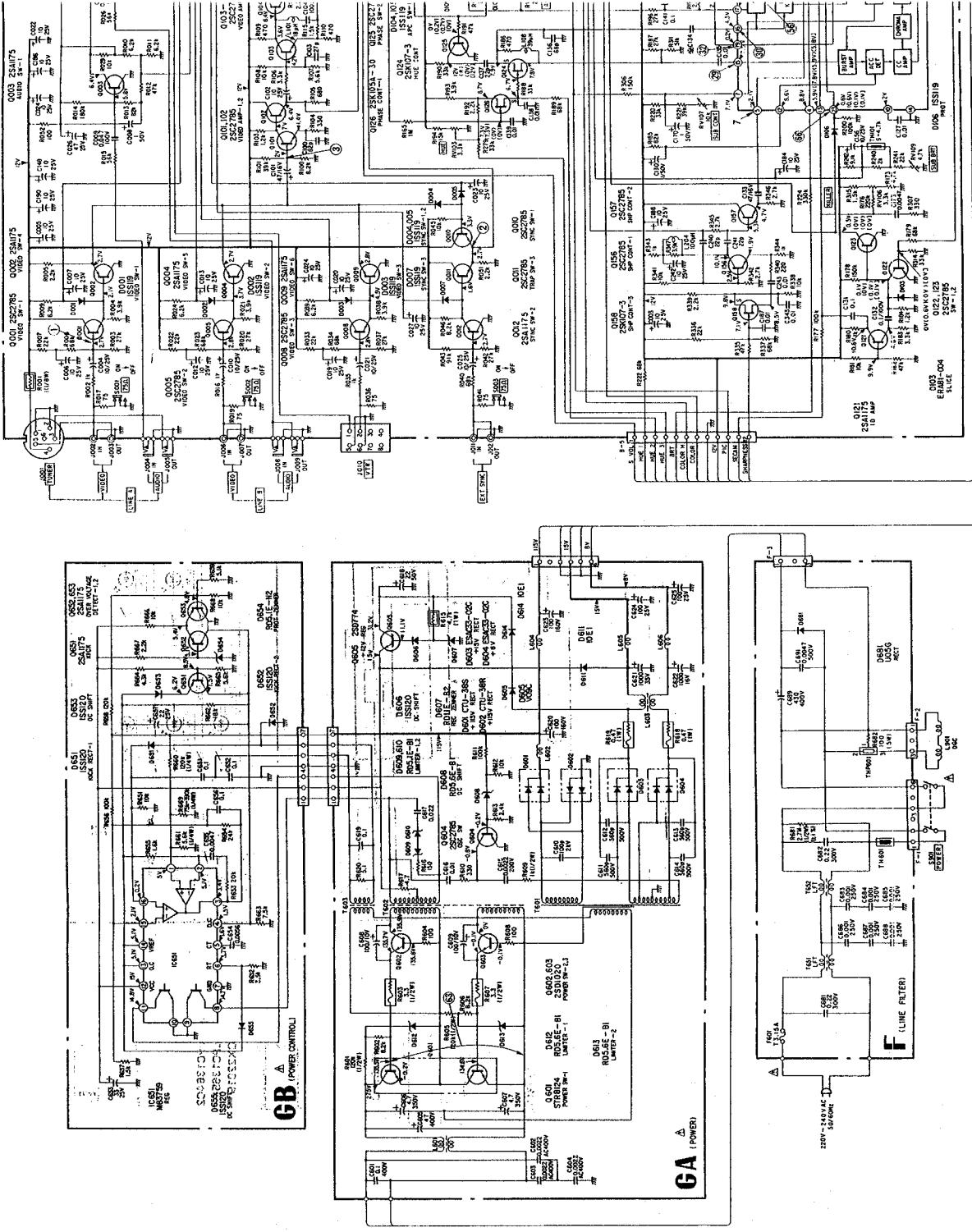
no mark : PAL

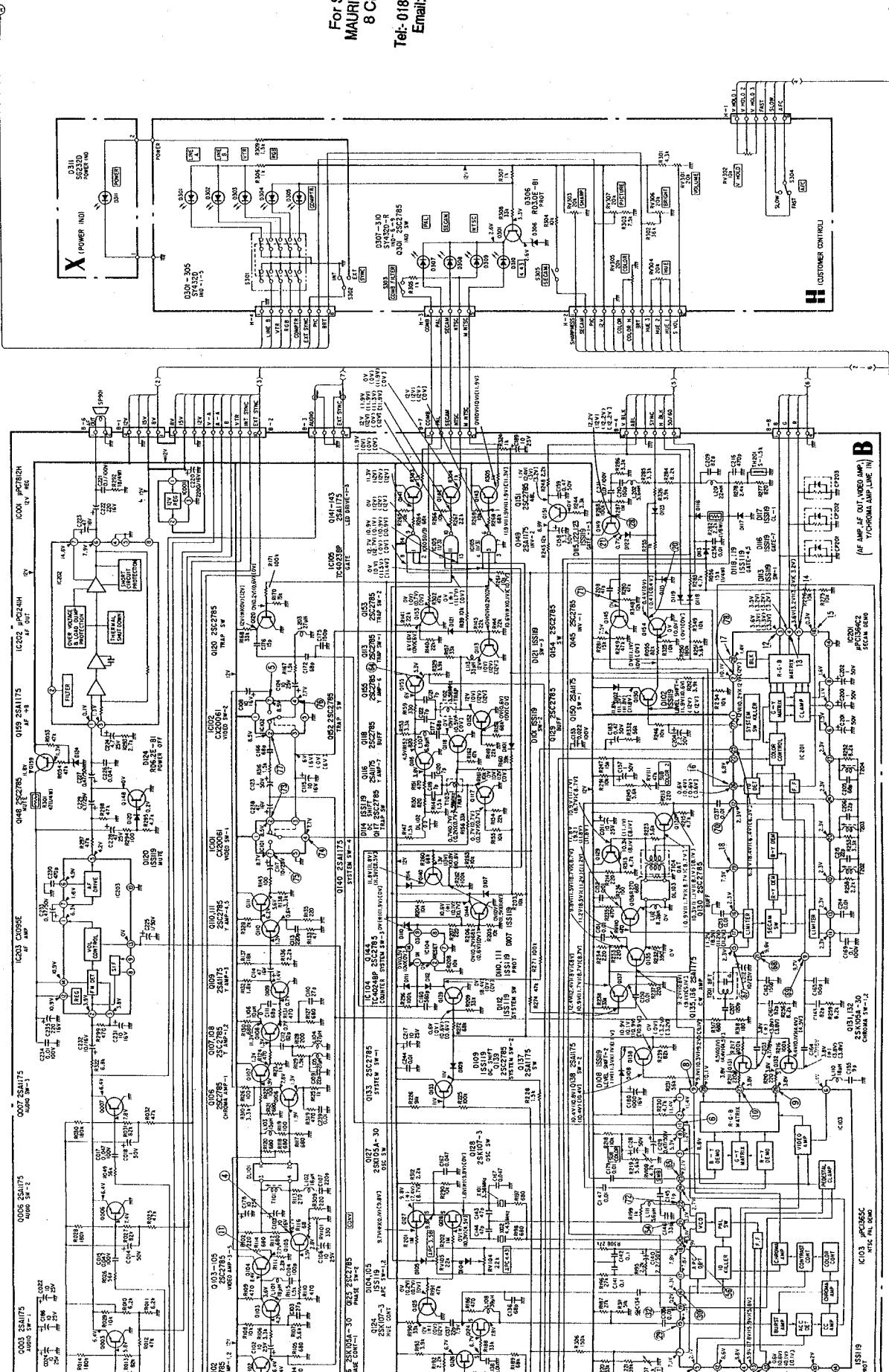
{ : SECAM

< : NTSC 3.58

| : NTSC 4.43

\* : Not measurable.



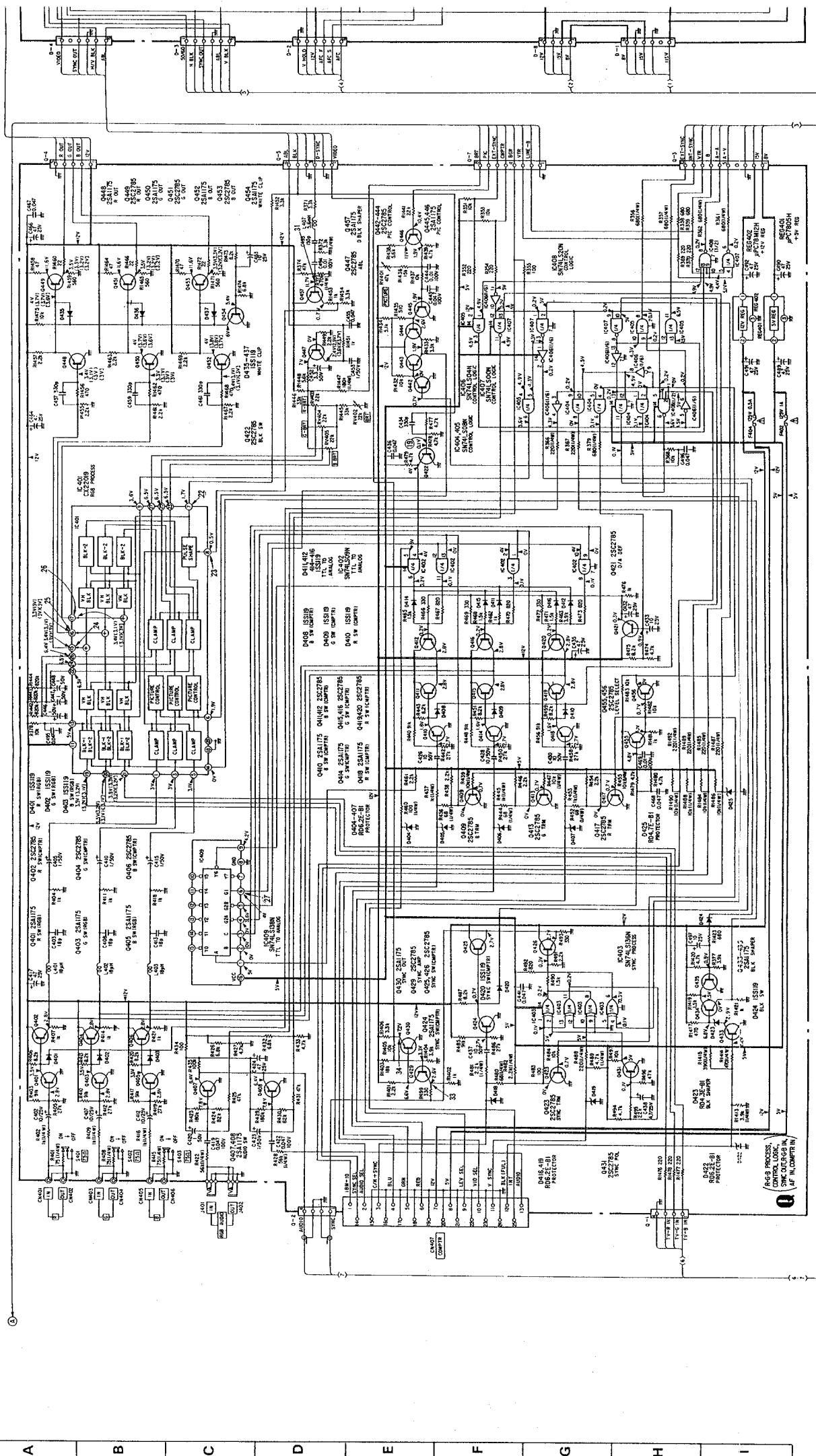


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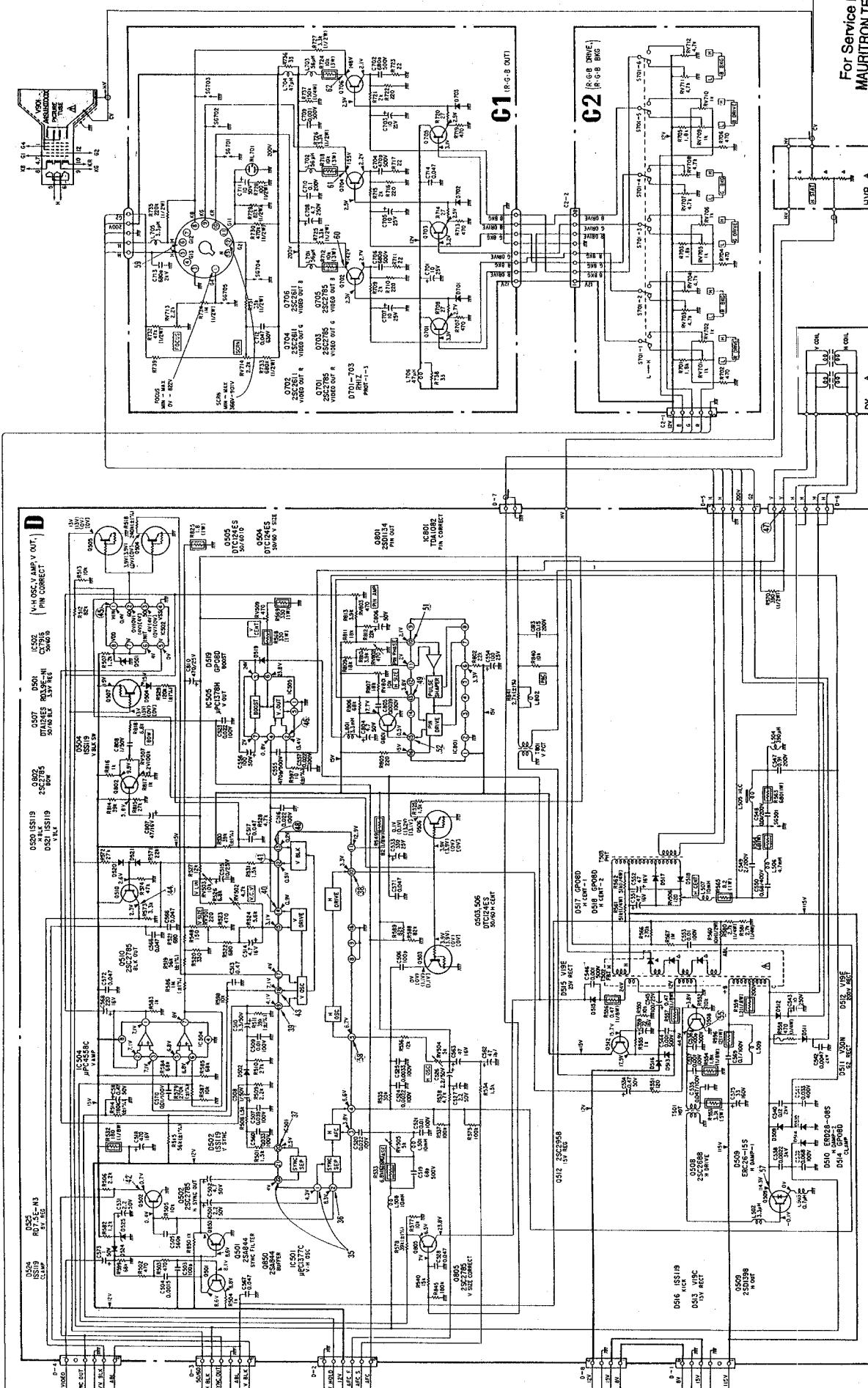
\* C134 Serial No. up to 204000  
Serial No. 204001 and later  
7P  
47P

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11



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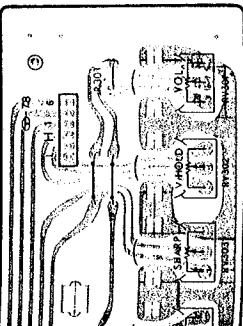
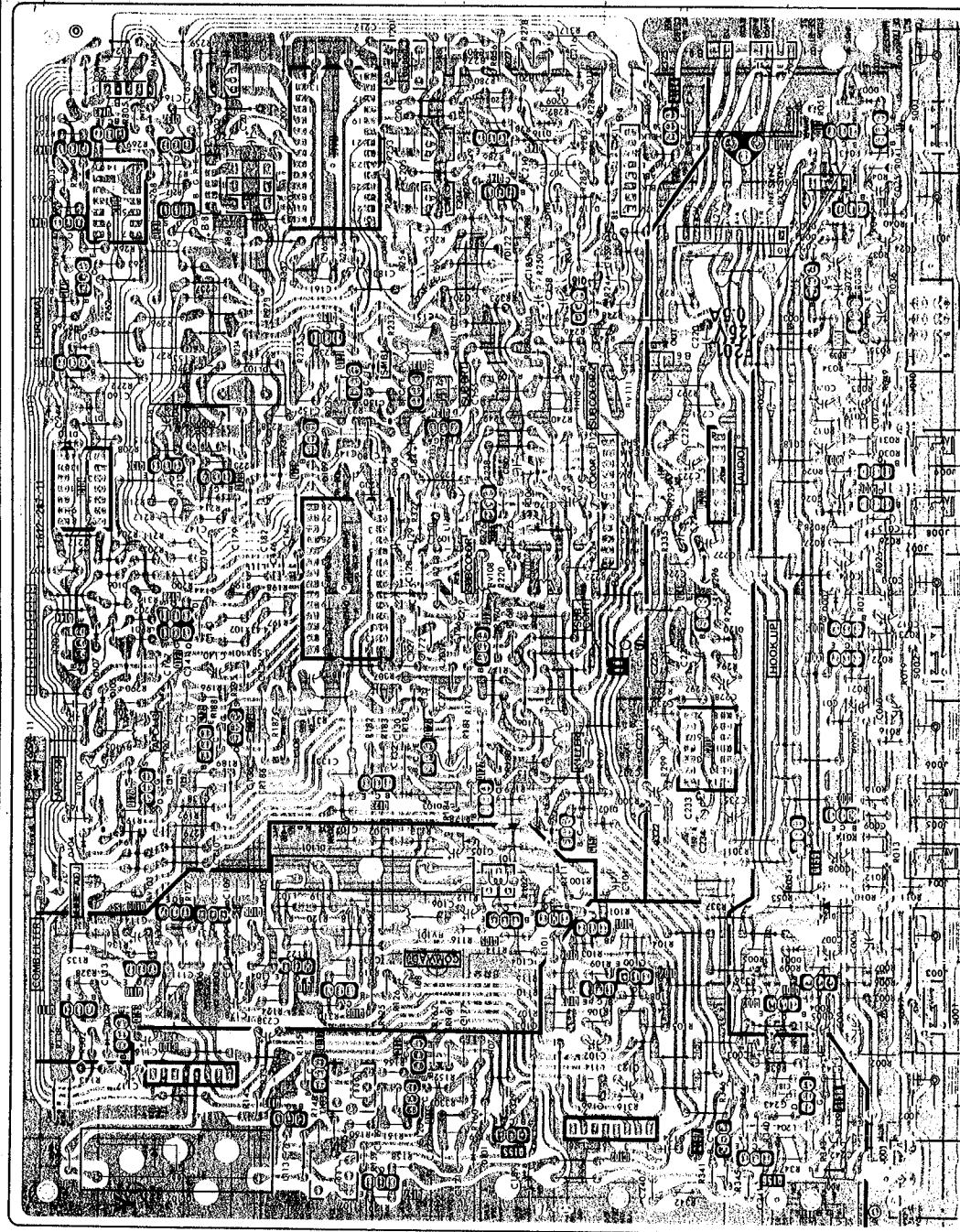
PVM-2010QM PVM-2010QM

[CUSTOMER CONTROL] B [AF AMP, AF OUT, VIDEO AMP,  
Y/CHROMA AMP, LINE IN]

3

9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	Adj	
	Rv03	Rv04	Rv05	Rv06	Rv07	Rv08	Rv09	Rv10	Rv11	Rv12	Rv13	Rv14	Rv15	Rv16	Rv17	Rv18	Rv19	Rv20	Rv21	

Board -



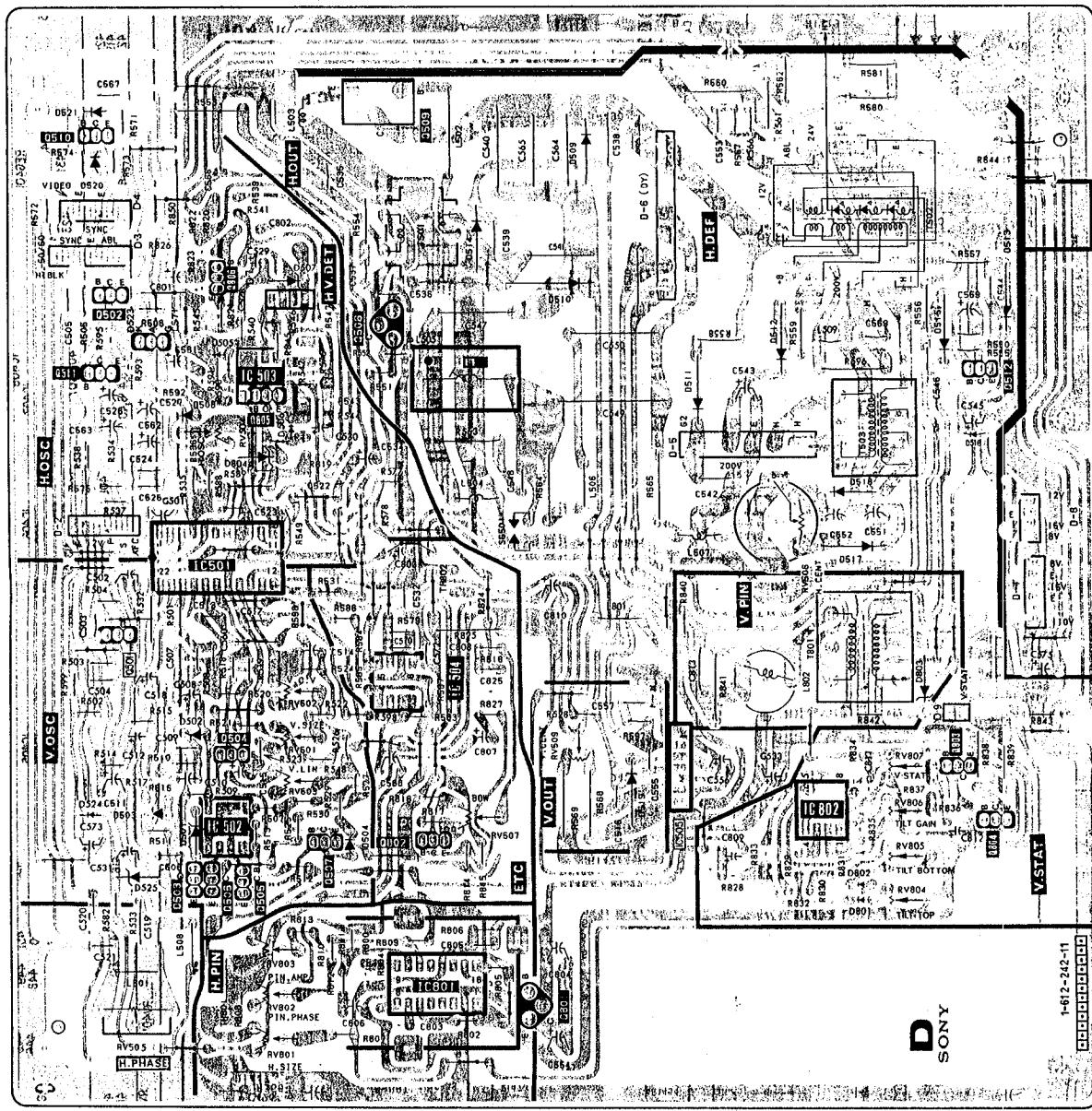
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# PVM-2010QM PVM-2010QM

**D** [V • H OSC. V AMP  
V OUT. PIN CORRECT]

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

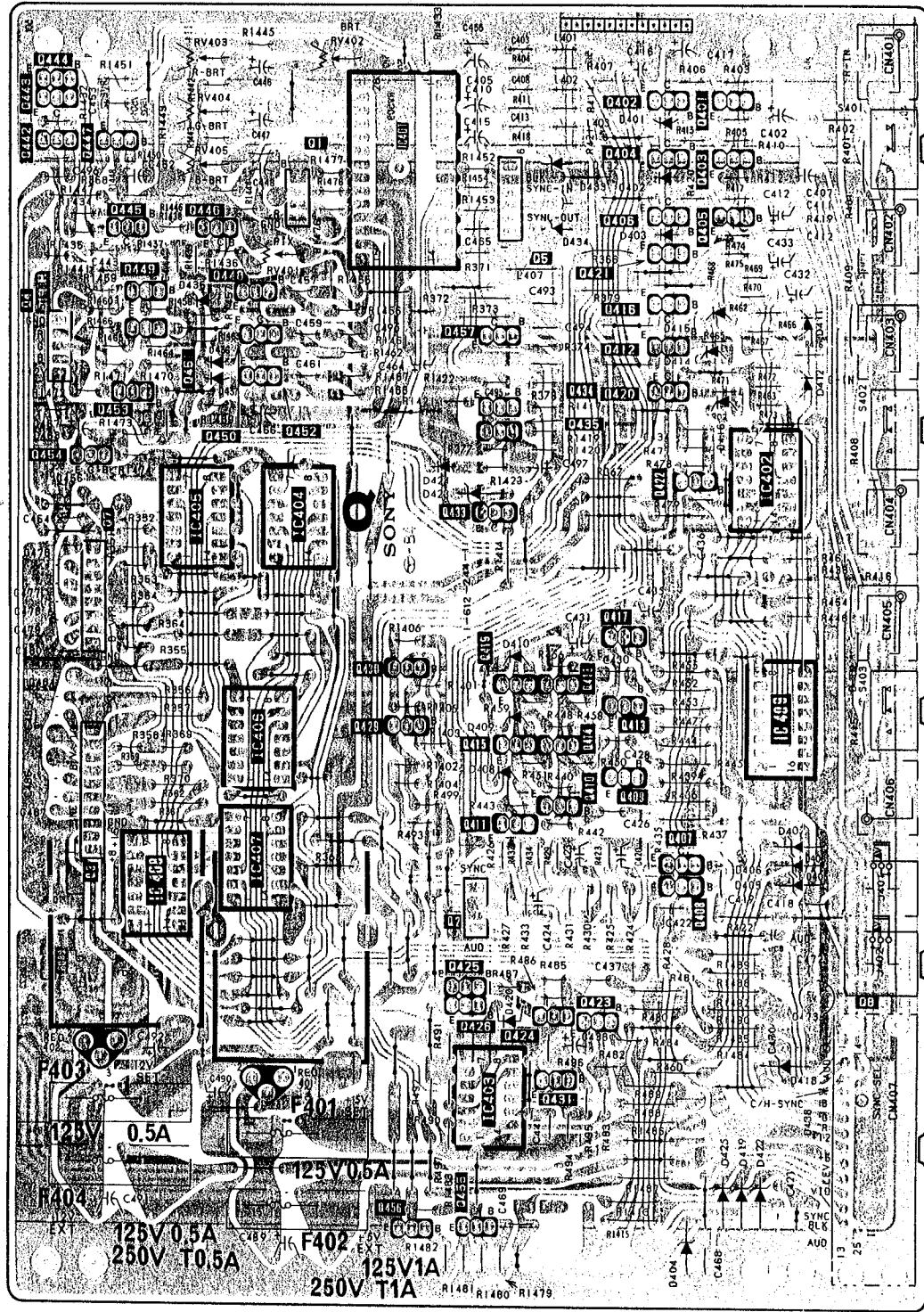
	Q. IC	D	AJU
A - D Board -			
B	501 502 503 504 505 506 507	500 501 804 805 806 807 801	RV505 RV504 RV503 RV502 RV501 RV500
C			
D	508 509 510 511 512 513 514 515 516 517	504 505 506 507 508 509 510 511 512 513	IC504 IC505 IC506 IC507 IC508 IC509 IC510 IC511 IC512 IC513
E			
F			
G			
H			
I			



PVM-2010QM PVM-2010QM

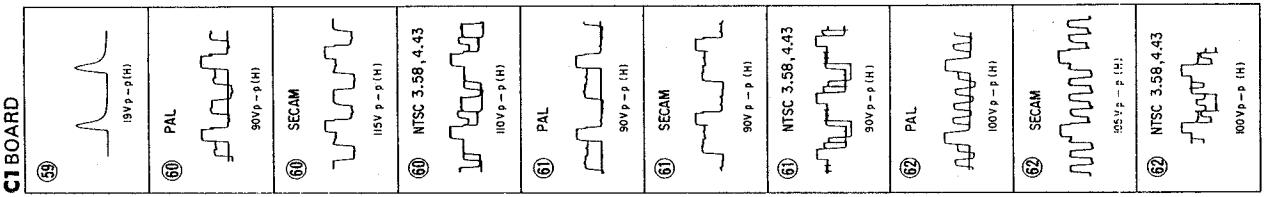
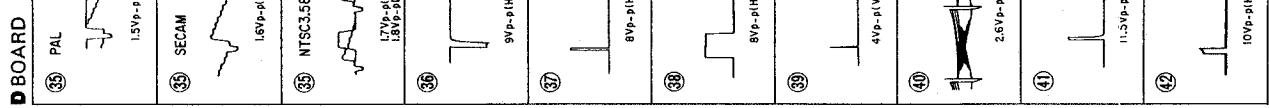
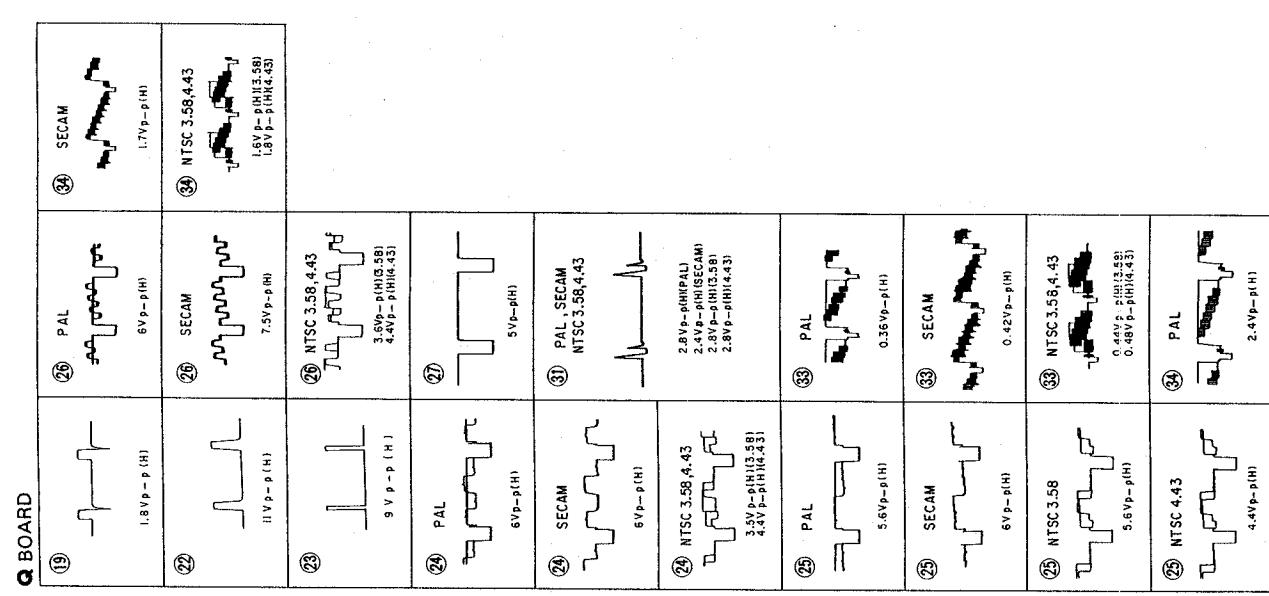
**Q**  $R \cdot G \cdot B$  PROCESS, CONTROL LOGIC,  
SYNC OUT, R • G • B IN, COMPTR IN

Q	456 455	REG402 REG401	IC403 IC431	426,425 424,423	IC408 [IC407	IC406 411	410 409	429 414	430 413	419 418	417 413	IC405 [IC403]	454 433	453 434	451 430	449 448	445 446	442 447	443,444 443	0 -1C
D	404	425 422	418	420	408,407	408	409	410	414	413	417	IC402	422 420	412 416	421 406	404 403	402 401	400 401	D	
ADU					405,406,407								437,435,436 423,424	435 416	414 411	403 402	401 401	400 401	400 401	ADU ADU









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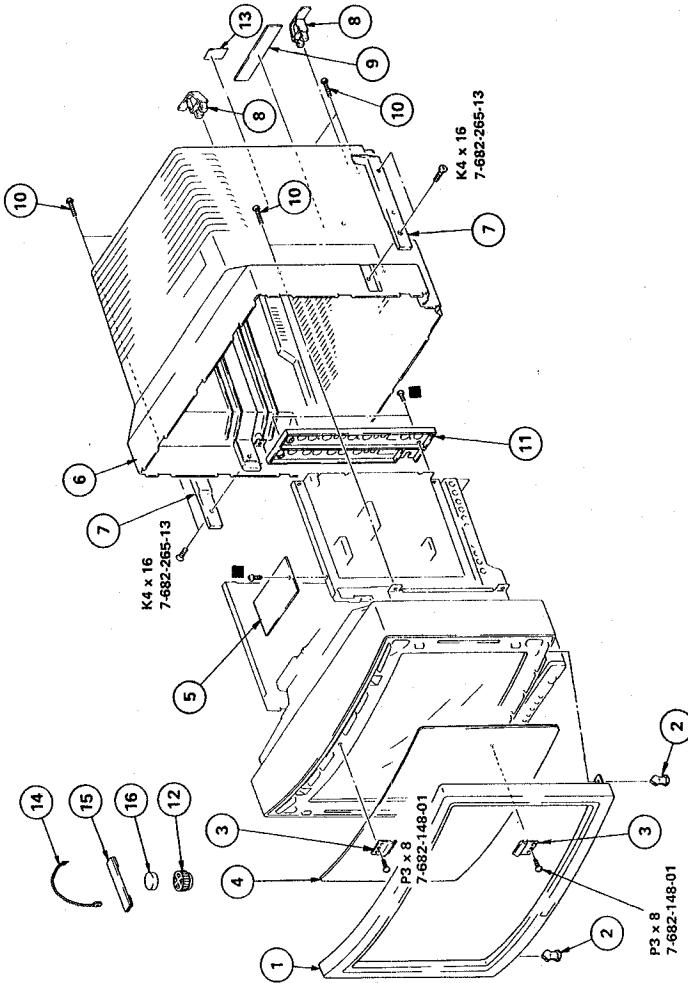
## SECTION 6 EXPLODED VIEWS

**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 assembly parts are indicated with a collocation number in the remark column.

### (1) CABINET ASS'Y

■ TA, BV3 x 8 7-685-646-71

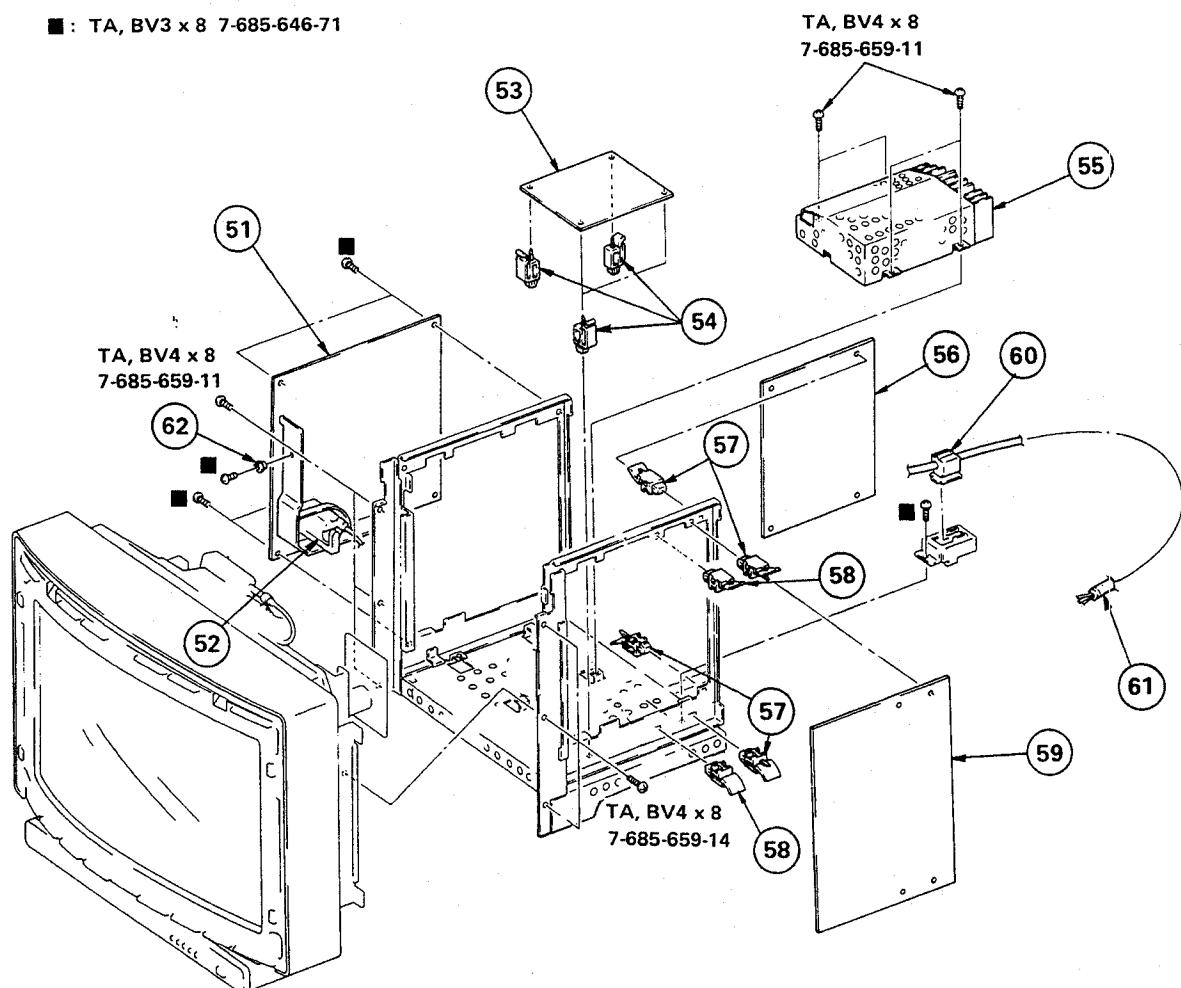


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No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4370-904-1	PANEL ASSY, FRONT		9	4-370-907-01	SHEET (6), BLIND	
2	4-370-920-01	CLIP, PANEL		10	4-304-494-21	SCREW, TAPPING, +P/MAX 16	
3	4-370-902-01	RETAINER, PANEL		11	4-370-930-01	PANEL CONNECTOR	
4	4-370-925-01	FILTER		12	1-432-094-00	MAURET ROTATABLE DISK; 15MM Ø	
5	4-612-246-11	C2 BOARD		13	* 4-363-314-01	LABEL, MODEL NUMBER	
6	X-4370-903-1	CABINET ASSY		14	4-308-870-00	BEADS, BAND	
7	X-4370-906-1	HANDLE ASSY		15	X-408-915-00	PERMALLOY ASSY, CONVERGENCE	
8	4-316-003-00	HOLDER, CORD		16	1-452-032-00	MAURET DISK; 10MM Ø	

## (2) CHASSIS ASS'Y

■ : TA, BV3 x 8 7-685-646-71

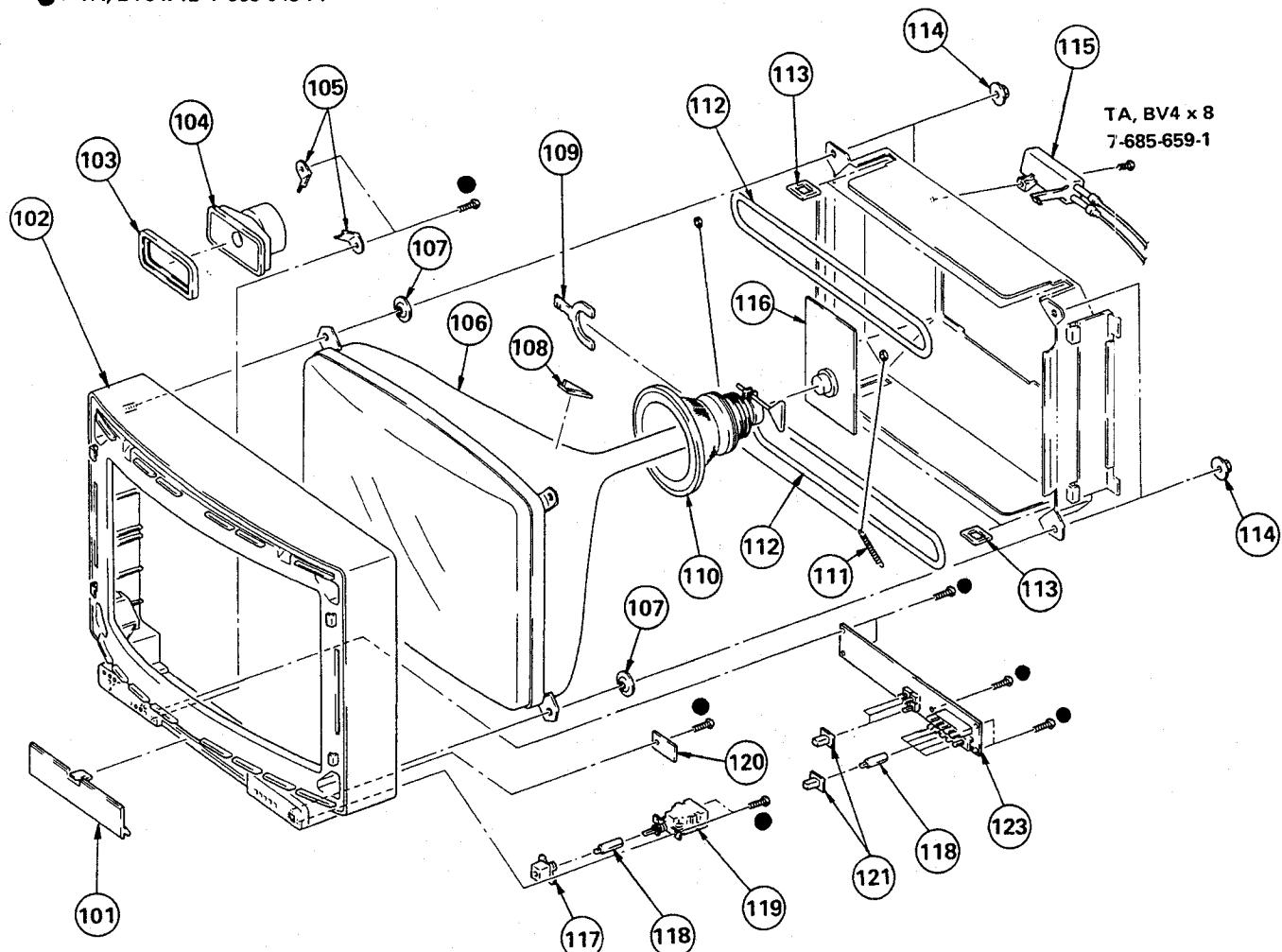


No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	▲:A-1345-455-A	D BOARD, COMPLETE		57	▲:3-703-141-00	HOLDER, PCB	
52	▲:1-439-322-00	TRANSFORMER ASSY, FLYBACK		58	▲:4-321-929-00	HOLDER, PC BOARD	
53	▲:1-612-243-11	F BOARD		59	▲:A-1135-239-A	B BOARD, COMPLETE	
54	▲:3-659-681-00	HOLDER, PC BOARD		60	▲:4-364-745-00	BUSHING, AC CORD	
55	▲:1-413-179-11	SWITCHING REGULATOR (TK-09)		61	▲:1-534-820-XX	POWER CORD	
56	A-1275-050-A	Q BOARD, COMPLETE		62	4-303-203-00	BUSHING	

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

(3) BEZEL ASS'Y

● : TA, BV3 x 12 7-685-648-71



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	X-4370-907-1	DOOR ASSY		113	▲:4-322-922-00	HOLDER, COIL, DEGAUSSER	
102	X-4363-306-1	BEZEL ASSY	103, 104, 105	114	4-306-034-00	FLANGE NUT, (B) 5MM	
103	▲:4-364-741-00	CUSHION, SPEAKER		115	▲:1-228-482-00	RESISTOR ASSY, HIGH-VOLTAGE	
104	1-503-109-00	SPEAKER		116	▲:A-1330-507-A	C1 BOARD, COMPLETE	
105	▲:4-321-611-00	CLAW, RETAINING, SPEAKER		117	4-346-409-11	BUTTON, POWER	
106	▲:8-737-251-05	CRT A49JHT00X		118	▲:4-370-903-01	SHAFT, BUTTON	
107	4-348-567-00	WASHER, CRT POSITION		119	▲:1-552-503-00	SWITCH, PUSH	
108	3-703-003-00	SPACER, DY		120	▲:1-612-249-11	X BOARD	
109	1-452-146-00	BMC MAGNET		121	4-369-627-01	PUSH BUTTON	
110	▲:1-451-204-61	DEFLECTION YOKE (SY-1088)		123	▲:1-612-248-11	H BOARD	
111	4-303-774-XX	SPRING					
112	▲:1-426-087-41	COIL, DEGAUSSING					

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

## **SECTION 7**

### **ELECTRICAL PARTS LIST**

H X B

The components identified by shading and mark  $\Delta$  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.

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

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

- |  |                             |  |
|--|-----------------------------|--|
| CAPACITORS                                   | RESISTORS                   | COILS                                    |
| • MF : $\mu\text{F}$ , PF : $\mu\mu\text{F}$ | • All resistors are in ohms | • MMH : $\text{mH}$ , UH : $\mu\text{H}$ |
|  | • F : nonflammable          |  |

<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>
♦:1-612-248-11	H BOARD *****			D311	8-719-102-34	DIODE SG232D	
♦:4-363-319-01	HOLDER (4 GANG), LED			*****	*****	*****	*****
♦:4-370-916-01	HOLDER (5 GANG), LED			*****	*****	*****	*****
		<u>DIODE</u>		♦:A-1135-239-A	B BOARD, COMPLETE *****		
D301	8-719-114-34	DIODE SY432D	For Service Manuals Contact	♦:4-323-833-00	HEAT SINK, PIN OUT		
D302	8-719-114-34	DIODE SY432D	MAURITRON TECHNICAL SERVICES				
D303	8-719-114-34	DIODE SY432D	8 Cherry Tree Rd, Chinnor				
D304	8-719-114-34	DIODE SY432D	Oxon OX9 4QY				
D305	8-719-114-34	DIODE SY432D	Tel: 01844-351694 Fax: 01844-352554				
D306	8-719-100-14	DIODE RD3.0E-B1	Email: enquiries@mauritron.co.uk	B1	♦:1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
D307	8-719-114-34	DIODE SY432D		B2	♦:1-560-224-00	PLUG, CONNECTOR (2.5MM) 10P	
D308	8-719-114-34	DIODE SY432D		B3	♦:1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
D309	8-719-114-34	DIODE SY432D		B4	♦:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
D310	8-719-114-34	DIODE SY432D		B5	♦:1-560-156-00	PLUG, CONNECTOR (2.5MM PITCH)	
				B6	♦:1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
		<u>TRANSISTOR</u>		B7	♦:1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
				B8	♦:1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
Q301	8-729-245-83	TRANSISTOR 2SC2458				<u>CAPACITOR</u>	
				C003	1-123-356-00	ELECT	
		<u>RESISTOR</u>		C004	1-123-356-00	ELECT	10MF 20% 25V
R301	1-247-846-00	CARBON	4.3K 5%	C005	1-123-356-00	ELECT	10MF 20% 25V
R302	1-247-868-00	CARBON	36K 5%	C006	1-123-356-00	ELECT	10MF 20% 25V
R303	1-247-852-00	CARBON	7.5K 5%	C007	1-123-356-00	ELECT	10MF 20% 25V
R304	1-247-855-00	CARBON	10K 5%	C008	1-123-380-00	ELECT	1MF 20% 50V
R305	1-247-831-00	CARBON	1K 5%	C009	1-106-212-00	MYLAR	0.047MF 10% 100V
R306	1-247-831-00	CARBON	1K 5%	C010	1-123-356-00	ELECT	10MF 20% 25V
R307	1-247-831-00	CARBON	1K 5%	C011	1-123-356-00	ELECT	10MF 20% 25V
R308	1-247-867-00	CARBON	33K 5%	C012	1-123-356-00	ELECT	10MF 20% 25V
R309	1-247-835-00	CARBON	1.5K 5%	C013	1-123-356-00	ELECT	10MF 20% 25V
		<u>VARIABLE RESISTOR</u>		C014	1-123-380-00	ELECT	1MF 20% 50V
RV301	1-228-938-00	RES, VAR, CARBON	20K	C015	1-106-212-00	MYLAR	0.047MF 10% 100V
RV302	1-228-936-00	RES, VAR, CARBON	10K	C017	1-106-212-00	MYLAR	0.047MF 10% 100V
RV303	1-228-938-00	RES, VAR, CARBON	20K	C018	1-123-380-00	ELECT	1MF 20% 50V
RV304	1-228-938-00	RES, VAR, CARBON	20K	C019	1-123-356-00	ELECT	10MF 20% 25V
RV305	1-228-937-00	RES, VAR, CARBON	20K	C020	1-123-356-00	ELECT	10MF 20% 25V
RV306	1-228-937-00	RES, VAR, CARBON	20K	C021	1-123-356-00	ELECT	10MF 20% 25V
RV307	1-228-938-00	RES, VAR, CARBON	20K	C022	1-123-356-00	ELECT	10MF 20% 25V
		<u>SWITCH</u>		C023	1-123-356-00	ELECT	10MF 20% 25V
S301	1-554-405-00	SWITCH, PUSH (5 KEY)		C024	1-123-356-00	ELECT	10MF 20% 25V
S302	1-554-118-00	SWITCH, PUSH		C025	1-123-356-00	ELECT	10MF 20% 25V
S303	1-554-118-00	SWITCH, PUSH		C026	1-123-332-00	ELECT	47MF 20% 25V
S304	1-554-118-00	SWITCH, PUSH		C027	1-123-356-00	ELECT	10MF 20% 25V
S305	1-554-118-00	SWITCH, PUSH		C100	1-101-361-00	CERAMIC	150PF 5% 50V
♦:1-612-249-11	X BOARD *****			C101	1-123-332-00	ELECT	47MF 20% 16V
				C102	1-123-356-00	ELECT	10MF 20% 25V
				C103	1-102-961-00	CERAMIC	27PF 5% 50V
				C104	1-102-973-00	CERAMIC	100PF 5% 50V
				C105	1-123-356-00	ELECT	10MF 20% 16V
♦:4-345-701-00	HOLDER, LED						

<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>		
C106	1-123-356-00	ELECT	10MF	20%	25V	C166	1-101-888-00	CERAMIC	68PF	5%	50V
C107	1-102-978-00	CERAMIC	220PF	5%	50V	C167	1-101-006-00	CERAMIC	0.047MF	5%	50V
C108	1-123-356-00	ELECT	10MF	20%	16V	C169	1-108-389-00	MYLAR	0.1MF	10%	100V
C109	1-102-959-00	CERAMIC	22PF	5%	50V	C170	1-123-380-00	ELECT	1MF	20%	50V
C110	1-102-961-00	CERAMIC	27PF	5%	50V	C172	1-101-888-00	CERAMIC	68PF	5%	50V
C111	1-101-888-00	CERAMIC	68PF	5%	50V	C173	1-123-607-00	ELECT	0.1MF	20%	50V
C112	1-102-971-00	CERAMIC	82PF	5%	50V	C175	1-101-361-00	CERAMIC	150PF	5%	50V
C113	1-102-978-00	CERAMIC	220PF	5%	50V	C176	1-102-951-00	CERAMIC	15PF	5%	50V
C114	1-123-332-00	ELECT	47MF	20%	16V	C177	1-101-888-00	CERAMIC	68PF	5%	50V
C115	1-123-356-00	ELECT	10MF	20%	16V	C178	1-123-356-00	ELECT	10MF	20%	25V
C117	1-123-356-00	ELECT	10MF	20%	25V	C179	1-101-004-00	CERAMIC	0.01MF	50V	
C119	1-102-944-00	CERAMIC	7PF	0.5PF	50V	C180	1-123-323-00	ELECT	470MF	20%	16V
C120	1-102-944-00	CERAMIC	7PF	0.5PF	50V	C183	1-123-379-00	ELECT	0.47MF	20%	50V
C121	1-102-944-00	CERAMIC	7PF	0.5PF	50V	C184	1-123-356-00	ELECT	10MF	20%	25V
C122	1-102-944-00	CERAMIC	7PF	0.5PF	50V	C186	1-123-356-00	ELECT	10MF	20%	25V
C123	1-123-380-00	ELECT	1MF	20%	50V	C187	1-101-004-00	CERAMIC	0.01MF	50V	
C124	1-123-356-00	ELECT	10MF	20%	25V	C188	1-123-356-00	ELECT	10MF	20%	25V
C127	1-101-004-00	CERAMIC	0.01MF	50V		C189	1-123-356-00	ELECT	10MF	20%	25V
C128	1-123-380-00	ELECT	1MF	20%	50V	C190	1-123-356-00	ELECT	10MF	20%	25V
C129	1-123-379-00	ELECT	0.47MF	20%	50V	C200	1-123-607-00	ELECT	0.1MF	20%	50V
C130	1-123-380-00	ELECT	1MF	20%	50V	C201	1-123-607-00	ELECT	0.1MF	20%	50V
C131	1-108-389-00	MYLAR	0.1MF	10%	100V	C202	1-123-607-00	ELECT	0.1MF	20%	50V
C132	1-108-389-00	MYLAR	0.1MF	10%	100V	C203	1-121-257-00	ELECT	4.7MF	20%	16V
C133	1-123-332-00	ELECT	47MF	16V		C204	1-123-381-00	ELECT	2.2MF	20%	50V
C134	1-102-944-00	CERAMIC	7PF	0.5PF	50V	C205	1-102-525-00	CERAMIC	68PF	5%	50V
(Serial No. up to 204,000)						C206	1-102-892-00	CERAMIC	22PF	5%	50V
1-101-880-00 CERAMIC						C207	1-102-679-00	CERAMIC	120PF	5%	50V
(Serial No. 204,001 and later)						C208	1-101-880-00	CERAMIC	47PF	5%	50V
C135	1-101-004-00	CERAMIC	0.01MF	50V		C209	1-102-971-00	CERAMIC	82PF	5%	50V
C136	1-101-880-00	CERAMIC	47PF	5%	50V	C210	1-101-361-00	CERAMIC	150PF	5%	50V
C137	1-102-959-00	CERAMIC	22PF	5%	50V	C211	1-108-377-00	MYLAR	0.01MF	10%	100V
C138	1-101-004-00	CERAMIC	0.01MF	50V		C212	1-123-356-00	ELECT	10MF	20%	25V
C139	1-108-579-00	MYLAR	0.01MF	5%	50V	C213	1-101-004-00	CERAMIC	0.01MF	50V	
C140	1-123-381-00	ELECT	2.2MF	20%	50V	C214	1-108-579-00	MYLAR	0.01MF	5%	50V
C141	1-161-025-00	CERAMIC	0.1MF	10%	25V	C215	1-102-892-00	CERAMIC	22PF	5%	50V
C142	1-161-025-00	CERAMIC	0.1MF	10%	25V	C216	1-102-824-00	CERAMIC	470PF	5%	50V
C143	1-101-880-00	CERAMIC	47PF	5%	50V	C217	1-123-356-00	ELECT	10MF	20%	25V
C144	1-101-880-00	CERAMIC	47PF	5%	50V	C220	1-123-325-00	ELECT	2200MF	20%	16V
C145	1-102-934-00	CERAMIC	1PF	0.25PF	50V	C221	1-108-389-00	MYLAR	0.1MF	10%	100V
C146	1-102-963-00	CERAMIC	33PF	5%	50V	C222	1-123-321-00	ELECT	220MF	20%	16V
C147	1-101-004-00	CERAMIC	0.01MF	50V		C223	1-123-332-00	ELECT	47MF	20%	16V
C148	1-123-356-00	ELECT	10MF	20%	25V	C224	1-123-369-00	ELECT	4.7MF	20%	25V
C150	1-101-004-00	CERAMIC	0.01MF	50V		C225	1-123-380-00	ELECT	1MF	20%	50V
C151	1-101-004-00	CERAMIC	0.01MF	50V		C226	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C152	1-101-004-00	CERAMIC	0.01MF	50V		C227	1-123-379-00	ELECT	0.47MF	20%	50V
C153	1-106-204-00	MYLAR	0.022MF	10%	100V	C228	1-123-332-00	ELECT	47MF	20%	25V
C155	1-102-946-00	CERAMIC	9PF	0.5PF	50V	C229	1-123-369-00	ELECT	4.7MF	20%	25V
C157	1-123-380-00	ELECT	1MF	20%	50V	C230	1-102-824-00	CERAMIC	470PF	5%	50V
C158	1-123-382-00	ELECT	3.3MF	20%	50V	C231	1-123-356-00	ELECT	10MF	20%	16V
C159	1-124-049-00	ELECT	0.47MF	20%	50V	C232	1-123-356-00	ELECT	10MF	20%	16V
C160	1-102-115-00	CERAMIC	560PF	10%	50V	C233	1-123-379-00	ELECT	0.47MF	20%	50V
C161	1-102-971-00	CERAMIC	82PF	5%	50V	C234	1-108-377-00	MYLAR	0.01MF	10%	100V
C162	1-101-361-00	CERAMIC	150PF	5%	50V	C235	1-123-321-00	ELECT	220MF	20%	16V
C163	1-102-971-00	CERAMIC	82PF	5%	50V						
C164	1-121-257-00	ELECT	4.7MF	5%	16V						
C165	1-101-361-00	CERAMIC	150PF	5%	50V						

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<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>
C236	1-101-004-00	CERAMIC	0.01MF		50V	IC103	8-759-113-65	IC	UPC1365C		
C237	1-161-330-00	CERAMIC	0.01MF	30%	25V	IC104	8-759-240-24	IC	TC4024BP		
C238	1-123-332-00	ELECT	47MF	20%	16V	IC105	8-759-240-23	IC	TC4023BP		
C239	1-101-004-00	CERAMIC	0.01MF		50V	IC201	8-759-100-15	IC	UPC1364C2		
C240	1-102-959-00	CERAMIC	22PF	5%	50V	IC202	8-759-101-77	IC	UPC1241H		
C241	1-102-959-00	CERAMIC	22PF	5%	50V	IC203	8-759-610-95	IC	CX095E		
C242	1-123-356-00	ELECT	10MF	20%	25V			<u>CONNECTOR</u>			
C243	1-101-004-00	CERAMIC	0.01MF		50V	J1	1-562-121-00	CONNECTOR,	DIN 6P		
C244	1-101-004-00	CERAMIC	0.01MF		50V	J2	1-536-842-11	TERMINAL BOARD,	INPUT/OUTPUT(A)		
C245	1-101-004-00	CERAMIC	0.01MF		50V			<u>COIL</u>			
<u>DIODE</u>											
D001	8-719-911-19	DIODE	ISS119			L101	1-408-412-00	MICRO	INDUCTOR	18UH	
D002	8-719-911-19	DIODE	ISS119			L102	1-408-412-00	MICRO	INDUCTOR	18UH	
D003	8-719-911-19	DIODE	ISS119			L103	1-408-411-00	MICRO	INDUCTOR	15UH	
D004	8-719-911-19	DIODE	ISS119			L104	1-408-414-00	MICRO	INDUCTOR	27UH	
D005	8-719-911-19	DIODE	ISS119			L105	1-408-414-00	MICRO	INDUCTOR	27UH	
D007	8-719-911-19	DIODE	ISS119			L106	1-408-409-00	MICRO	INDUCTOR	10UH	
D101	8-719-911-19	DIODE	ISS119			L107	1-408-407-00	MICRO	INDUCTOR	6.8UH	
D102	8-719-911-19	DIODE	ISS119			L108	1-408-416-00	MICRO	INDUCTOR	39UH	
D103	8-719-981-01	DIODE	ERA81-004			L110	1-408-412-00	MICRO	INDUCTOR	18UH	
D104	8-719-911-19	DIODE	ISS119			L111	1-408-406-00	MICRO	INDUCTOR	5.6UH	
D105	8-719-911-19	DIODE	ISS119			L112	1-408-408-00	MICRO	INDUCTOR	8.2UH	
D106	8-719-911-19	DIODE	ISS119			L113	1-408-415-00	MICRO	INDUCTOR	33UH	
D107	8-719-911-19	DIODE	ISS119			L201	1-408-245-00	MICRO	INDUCTOR	22MMH	
D108	8-719-911-19	DIODE	ISS119			L202	1-408-163-00	MICRO	INDUCTOR	5.6MMH	
D109	8-719-911-19	DIODE	ISS119			L203	1-408-414-00	MICRO	INDUCTOR	27UH	
D110	8-719-911-19	DIODE	ISS119			L204	1-408-421-00	MICRO	INDUCTOR	100UH	
D111	8-719-911-19	DIODE	ISS119					<u>TRANSISTOR</u>			
D112	8-719-911-19	DIODE	ISS119			Q001	8-729-245-83	TRANSISTOR	2SC2458		
D113	8-719-911-19	DIODE	ISS119			Q002	8-729-204-83	TRANSISTOR	2SA1048-GR		
D114	8-719-911-19	DIODE	ISS119			Q003	8-729-204-83	TRANSISTOR	2SA1048-GR		
D115	8-719-911-19	DIODE	ISS119			Q004	8-729-204-83	TRANSISTOR	2SA1048-GR		
D116	8-719-911-19	DIODE	ISS119			Q005	8-729-245-83	TRANSISTOR	2SC2458		
D117	8-719-911-19	DIODE	ISS119			Q006	8-729-204-83	TRANSISTOR	2SA1048-GR		
D118	8-719-911-19	DIODE	ISS119			Q007	8-729-204-83	TRANSISTOR	2SA1048-GR		
D119	8-719-911-19	DIODE	ISS119			Q008	8-729-245-83	TRANSISTOR	2SC2458		
D120	8-719-911-19	DIODE	ISS119			Q009	8-729-204-83	TRANSISTOR	2SA1048-GR		
D121	8-719-911-19	DIODE	ISS119			Q010	8-729-245-83	TRANSISTOR	2SC2458		
D122	8-719-911-19	DIODE	ISS119			Q011	8-729-245-83	TRANSISTOR	2SC2458		
D123	8-719-911-19	DIODE	ISS119			Q012	8-729-204-83	TRANSISTOR	2SA1048-GR		
D124	8-719-100-37	DIODE	RD6.2E-B1			Q101	8-729-245-83	TRANSISTOR	2SC2458		
D125	8-719-911-19	DIODE	ISS119			Q102	8-729-245-83	TRANSISTOR	2SC2458		
<u>DELAY LINE</u>											
DL101	1-415-207-21	DELAY LINE	(1H)			Q103	8-729-245-83	TRANSISTOR	2SC2458		
DL102	1-415-188-00	DELAY LINE				Q104	8-729-245-83	TRANSISTOR	2SC2458		
DL103	1-415-122-31	DELAY LINE				Q105	8-729-245-83	TRANSISTOR	2SC2458		
<u>IC</u>											
IC001	8-759-700-06	IC	UPC7812H			Q106	8-729-245-83	TRANSISTOR	2SC2458		
IC101	8-752-006-10	IC	CX20061			Q107	8-729-245-83	TRANSISTOR	2SC2458		
IC102	8-752-006-10	IC	CX20061			Q108	8-729-245-83	TRANSISTOR	2SC2458		
Q109	8-729-204-83	TRANSISTOR	2SA1048-GR								

For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
 8 Cherry Tree Rd, Chinnor  
 Oxon OX9 4QY  
 Tel:- 01844-351694 Fax:- 01844-352554  
 Email:- [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)

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<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>	
Q110	8-729-245-83	TRANSISTOR	2SC2458			R010	1-247-850-00	CARBON	6.2K	5%	1/6W	
Q111	8-729-245-83	TRANSISTOR	2SC2458			R011	1-247-850-00	CARBON	6.2K	5%	1/6W	
Q113	8-729-245-83	TRANSISTOR	2SC2458			R012	1-247-871-00	CARBON	47K	5%	1/6W	
Q116	8-729-204-83	TRANSISTOR	2SA1048-GR			R013	1-247-877-00	CARBON	82K	5%	1/6W	
Q117	8-729-245-83	TRANSISTOR	2SC2458			R014	1-247-885-00	CARBON	180K	5%	1/6W	
Q118	8-729-245-83	TRANSISTOR	2SC2458			R015	1-247-873-00	CARBON	56K	5%	1/6W	
Q120	8-729-245-83	TRANSISTOR	2SC2458			R016	1-247-831-00	CARBON	1K	5%	1/6W	
Q121	8-729-204-83	TRANSISTOR	2SA1048-GR			R017	1-247-804-00	CARBON	75	5%	1/6W	
Q122	8-729-245-83	TRANSISTOR	2SC2458			R019	1-247-804-00	CARBON	75	5%	1/6W	
Q123	8-729-245-83	TRANSISTOR	2SC2458			R020	1-247-865-00	CARBON	27K	5%	1/6W	
Q124	8-729-115-30	TRANSISTOR	2SK105A-30			R021	1-247-845-00	CARBON	3.9K	5%	1/6W	
Q125	8-729-245-83	TRANSISTOR	2SC2458			R022	1-247-863-00	CARBON	22K	5%	1/6W	
Q126	8-729-115-30	TRANSISTOR	2SK105A-30			R023	1-247-875-00	CARBON	68K	5%	1/6W	
Q127	8-729-115-30	TRANSISTOR	2SK105A-30			R024	1-247-850-00	CARBON	6.2K	5%	1/6W	
Q128	8-769-115-30	TRANSISTOR	2SK105A-30			R025	1-247-871-00	CARBON	47K	5%	1/6W	
Q129	8-729-245-83	TRANSISTOR	2SC2458			R026	1-247-873-00	CARBON	56K	5%	1/6W	
Q130	8-729-245-83	TRANSISTOR	2SC2458			R027	1-247-877-00	CARBON	82K	5%	1/6W	
Q131	8-729-115-30	TRANSISTOR	2SK105A-30			R028	1-247-885-00	CARBON	180K	5%	1/6W	
Q132	8-729-115-30	TRANSISTOR	2SK105A-30			R029	1-247-855-00	CARBON	10K	5%	1/6W	
Q133	8-729-245-83	TRANSISTOR	2SC2458			R030	1-247-885-00	CARBON	180K	5%	1/6W	
Q135	8-729-204-83	TRANSISTOR	2SA1048-GR			R031	1-247-877-00	CARBON	82K	5%	1/6W	
Q136	8-729-204-83	TRANSISTOR	2SA1048-GR			R032	1-247-871-00	CARBON	47K	5%	1/6W	
Q137	8-729-204-83	TRANSISTOR	2SA1048-GR			R033	1-247-863-00	CARBON	22K	5%	1/6W	
Q138	8-729-204-83	TRANSISTOR	2SA1048-GR			R034	1-247-875-00	CARBON	68K	5%	1/6W	
Q139	8-729-245-83	TRANSISTOR	2SC2458			R035	1-247-831-00	CARBON	1K	5%	1/6W	
Q140	8-729-204-83	TRANSISTOR	2SA1048-GR			R036	1-247-804-00	CARBON	75	5%	1/6W	
Q141	8-729-204-83	TRANSISTOR	2SA1048-GR			R037	1-247-865-00	CARBON	27K	5%	1/6W	
Q142	8-729-204-83	TRANSISTOR	2SA1048-GR			R038	1-247-845-00	CARBON	3.9K	5%	1/6W	
Q143	8-729-204-83	TRANSISTOR	2SA1048-GR			R039	1-247-850-00	CARBON	6.2K	5%	1/6W	
Q144	8-729-245-83	TRANSISTOR	2SC2458			R040	1-247-875-00	CARBON	68K	5%	1/6W	
Q145	8-729-245-83	TRANSISTOR	2SC2458			R041	1-247-804-00	CARBON	75	5%	1/6W	
Q148	8-729-245-83	TRANSISTOR	2SC2458			R042	1-247-865-00	CARBON	27K	5%	1/6W	
Q149	8-729-204-83	TRANSISTOR	2SA1048-GR			R043	1-247-878-00	CARBON	91K	5%	1/6W	
Q150	8-729-204-83	TRANSISTOR	2SA1048-GR			R045	1-247-855-00	CARBON	10K	5%	1/6W	
Q151	8-729-245-83	TRANSISTOR	2SC2458			R046	1-247-853-00	CARBON	8.2K	5%	1/6W	
Q152	8-729-245-83	TRANSISTOR	2SC2458			R049	1-247-873-00	CARBON	56K	5%	1/6W	
Q153	8-729-245-83	TRANSISTOR	2SC2458			R051	1-247-839-00	CARBON	2.2K	5%	1/6W	
Q154	8-729-178-54	TRANSISTOR	2SC2458			R052	1-247-807-00	CARBON	100	5%	1/6W	
Q155	8-729-245-83	TRANSISTOR	2SC2458			R053	1-247-871-00	CARBON	47K	5%	1/6W	
Q156	8-729-245-83	TRANSISTOR	2SC2458			R054	1-247-871-00	CARBON	47K	5%	1/6W	
Q157	8-729-245-83	TRANSISTOR	2SC2458			R055	1-247-877-00	CARBON	82K	5%	1/6W	
Q158	8-769-115-30	TRANSISTOR	2SK105A-30			R056	1-246-501-00	CARBON	15K	5%	1/4W	
Q159	8-729-204-83	TRANSISTOR	2SA1048-GR			R100	1-247-853-00	CARBON	8.2K	5%	1/6W	
<u>RESISTOR</u>						R101	1-247-869-00	CARBON	39K	5%	1/6W	
R001	1-247-020-00	CARBON	1	5%	1/8W	F	R102	1-247-815-00	CARBON	220	5%	1/6W
R002	1-247-831-00	CARBON	1K	5%	1/6W		R103	1-247-833-00	CARBON	1.2K	5%	1/6W
R003	1-247-865-00	CARBON	27K	5%	1/6W		R104	1-247-819-00	CARBON	330	5%	1/6W
R004	1-247-845-00	CARBON	3.9K	5%	1/6W		R105	1-247-827-00	CARBON	680	5%	1/6W
R005	1-247-839-00	CARBON	2.2K	5%	1/6W		R106	1-247-843-00	CARBON	3.3K	5%	1/6W
R006	1-247-875-00	CARBON	68K	5%	1/6W		R107	1-247-849-00	CARBON	5.6K	5%	1/6W
R007	1-247-863-00	CARBON	22K	5%	1/6W		R108	1-247-855-00	CARBON	10K	5%	1/6W
R009	1-247-850-00	CARBON	6.2K	5%	1/6W		R109	1-247-823-00	CARBON	470	5%	1/6W
							R110	1-247-823-00	CARBON	470	5%	1/6W

**B**

<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>
R111	1-247-839-00	CARBON	2.2K 5% 1/6W	R171	1-247-879-00	CARBON	100K 5% 1/6W
R112	1-247-827-00	CARBON	680 5% 1/6W	R173	1-247-847-00	CARBON	4.7K 5% 1/6W
R113	1-247-817-00	CARBON	270 5% 1/6W	R176	1-247-887-00	CARBON	220K 5% 1/6W
R114	1-247-827-00	CARBON	680 5% 1/6W	R177	1-247-879-00	CARBON	100K 5% 1/6W
R115	1-247-835-00	CARBON	1.5K 5% 1/6W	R178	1-247-883-00	CARBON	150K 5% 1/6W
R116	1-247-803-00	CARBON	68 5% 1/6W	R179	1-247-875-00	CARBON	68K 5% 1/6W
R117	1-247-827-00	CARBON	680 5% 1/6W	R180	1-247-831-00	CARBON	1K 5% 1/6W
R118	1-247-827-00	CARBON	680 5% 1/6W	R181	1-247-855-00	CARBON	10K 5% 1/6W
R119	1-247-807-00	CARBON	100 5% 1/6W	R182	1-247-871-00	CARBON	47K 5% 1/6W
R120	1-247-827-00	CARBON	680 5% 1/6W	R183	1-247-843-00	CARBON	3.3K 5% 1/6W
R121	1-247-827-00	CARBON	680 5% 1/6W	R184	1-247-833-00	CARBON	1.2K 5% 1/6W
R122	1-247-807-00	CARBON	100 5% 1/6W	R185	1-247-877-00	CARBON	82K 5% 1/6W
R123	1-247-831-00	CARBON	1K 5% 1/6W	R186	1-247-823-00	CARBON	470 5% 1/6W
R124	1-247-823-00	CARBON	470 5% 1/6W	R187	1-247-865-00	CARBON	27K 5% 1/6W
R125	1-247-831-00	CARBON	1K 5% 1/6W	R188	1-247-867-00	CARBON	33K 5% 1/6W
R126	1-247-807-00	CARBON	100 5% 1/6W	R189	1-247-875-00	CARBON	68K 5% 1/6W
R127	1-247-827-00	CARBON	680 5% 1/6W	R190	1-247-867-00	CARBON	33K 5% 1/6W
R128	1-247-814-00	CARBON	200 5% 1/6W	R191	1-247-871-00	CARBON	47K 5% 1/6W
R129	1-247-835-00	CARBON	1.5K 5% 1/6W	R192	1-247-839-00	CARBON	2.2K 5% 1/6W
R130	1-247-827-00	CARBON	680 5% 1/6W	R193	1-247-845-00	CARBON	3.9K 5% 1/6W
R131	1-247-823-00	CARBON	470 5% 1/6W	R194	1-247-859-00	CARBON	15K 5% 1/6W
R132	1-247-837-00	CARBON	1.8K 5% 1/6W	R195	1-247-839-00	CARBON	2.2K 5% 1/6W
R133	1-247-799-00	CARBON	47 5% 1/6W	R196	1-247-865-00	CARBON	27K 5% 1/6W
R135	1-247-815-00	CARBON	220 5% 1/6W	R197	1-247-827-00	CARBON	680 5% 1/6W
R136	1-247-839-00	CARBON	2.2K 5% 1/6W	R198	1-247-827-00	CARBON	680 5% 1/6W
R137	1-247-861-00	CARBON	18K 5% 1/6W	R199	1-247-831-00	CARBON	1K 5% 1/6W
R138	1-247-843-00	CARBON	3.3K 5% 1/6W	R200	1-247-879-00	CARBON	100K 5% 1/6W
R139	1-247-855-00	CARBON	10K 5% 1/6W	R201	1-247-903-00	CARBON	1M 5% 1/6W
R140	1-247-863-00	CARBON	22K 5% 1/6W	R202	1-247-903-00	CARBON	1M 5% 1/6W
R141	1-247-863-00	CARBON	22K 5% 1/6W	R203	1-247-855-00	CARBON	10K 5% 1/6W
R143	1-247-807-00	CARBON	100 5% 1/6W	R204	1-247-855-00	CARBON	10K 5% 1/6W
R144	1-247-863-00	CARBON	22K 5% 1/6W	R205	1-247-855-00	CARBON	10K 5% 1/6W
R145	1-247-863-00	CARBON	22K 5% 1/6W	R206	1-247-875-00	CARBON	68K 5% 1/6W
R147	1-247-835-00	CARBON	1.5K 5% 1/6W	R207	1-247-815-00	CARBON	220 5% 1/6W
R148	1-247-835-00	CARBON	1.5K 5% 1/6W	R208	1-247-855-00	CARBON	10K 5% 1/6W
R149	1-247-863-00	CARBON	22K 5% 1/6W	R209	1-247-867-00	CARBON	33K 5% 1/6W
R150	1-247-829-00	CARBON	820 5% 1/6W	R210	1-247-815-00	CARBON	220 5% 1/6W
R151	1-247-823-00	CARBON	470 5% 1/6W	R211	1-247-815-00	CARBON	220 5% 1/6W
R152	1-247-829-00	CARBON	820 5% 1/6W	R212	1-247-845-00	CARBON	3.9K 5% 1/6W
R153	1-247-843-00	CARBON	3.3K 5% 1/6W	R213	1-247-815-00	CARBON	220 5% 1/6W
R154	1-247-863-00	CARBON	22K 5% 1/6W	R214	1-247-815-00	CARBON	220 5% 1/6W
R155	1-247-855-00	CARBON	10K 5% 1/6W	R215	1-247-847-00	CARBON	4.7K 5% 1/6W
R156	1-247-867-00	CARBON	33K 5% 1/6W	R216	1-247-879-00	CARBON	100K 5% 1/6W
R157	1-247-867-00	CARBON	33K 5% 1/6W	R217	1-247-879-00	CARBON	100K 5% 1/6W
R158	1-247-875-00	CARBON	68K 5% 1/6W	R218	1-247-855-00	CARBON	10K 5% 1/6W
R159	1-247-827-00	CARBON	680 5% 1/6W	R219	1-247-849-00	CARBON	5.6K 5% 1/6W
R160	1-247-869-00	CARBON	39K 5% 1/6W	R220	1-247-867-00	CARBON	33K 5% 1/6W
R161	1-247-855-00	CARBON	10K 5% 1/6W	R221	1-247-869-00	CARBON	39K 5% 1/6W
R162	1-247-871-00	CARBON	47K 5% 1/6W	R222	1-247-875-00	CARBON	68K 5% 1/6W
R165	1-247-903-00	CARBON	1M 5% 1/6W	R223	1-247-849-00	CARBON	5.6K 5% 1/6W
R167	1-247-835-00	CARBON	1.5K 5% 1/6W	R224	1-247-891-00	CARBON	330K 5% 1/6W
R168	1-247-867-00	CARBON	33K 5% 1/6W	R225	1-247-879-00	CARBON	100K 5% 1/6W
R170	1-247-859-00	CARBON	15K 5% 1/6W	R226	1-247-878-00	CARBON	91K 5% 1/6W

For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
 8 Cherry Tree Rd, Chinnor  
 Oxon OX9 4QY  
 Tel:- 01844-351694 Fax:- 01844-352554  
 Email:- [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)

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Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
R228	1-247-835-00	CARBON	1.5K 5% 1/6W	R283	1-247-847-00	CARBON	4.7K 5% 1/6W
R230	1-247-847-00	CARBON	4.7K 5% 1/6W	R284	1-247-853-00	CARBON	8.2K 5% 1/6W
R231	1-247-873-00	CARBON	56K 5% 1/6W	R285	1-247-843-00	CARBON	3.3K 5% 1/6W
R232	1-247-821-00	CARBON	390 5% 1/6W	R286	1-247-843-00	CARBON	3.3K 5% 1/6W
R233	1-247-815-00	CARBON	220 5% 1/6W	R287	1-247-903-00	CARBON	1M 5% 1/6W
R234	1-247-815-00	CARBON	220 5% 1/6W	R288	1-247-879-00	CARBON	100K 5% 1/6W
R235	1-247-823-00	CARBON	470 5% 1/6W	R290	1-247-855-00	CARBON	10K 5% 1/6W
R236	1-247-807-00	CARBON	100 5% 1/6W	R291	1-247-855-00	CARBON	10K 5% 1/6W
R237	1-247-815-00	CARBON	220 5% 1/6W	R292	1-246-401-00	CARBON	1 5% 1/4W
R238	1-247-867-00	CARBON	33K 5% 1/6W	R293	1-247-841-00	CARBON	2.7K 5% 1/6W
R239	1-247-877-00	CARBON	82K 5% 1/6W	R294	1-247-807-00	CARBON	100 5% 1/6W
R240	1-247-838-00	CARBON	2K 5% 1/6W	R295	1-247-847-00	CARBON	4.7K 5% 1/6W
R241	1-247-863-00	CARBON	22K 5% 1/6W	R296	1-246-521-00	CARBON	100K 5% 1/4W
R242	1-247-854-00	CARBON	9.1K 5% 1/6W	R297	1-247-871-00	CARBON	47K 5% 1/6W
R243	1-247-857-00	CARBON	12K 5% 1/6W	R298	1-247-871-00	CARBON	47K 5% 1/6W
R244	1-247-843-00	CARBON	3.3K 5% 1/6W	R299	1-247-823-00	CARBON	470 5% 1/6W
R245	1-247-849-00	CARBON	5.6K 5% 1/6W	R301	1-247-658-00	CARBON	47 5% 1/4W F
R246	1-247-855-00	CARBON	10K 5% 1/6W	R302	1-247-871-00	CARBON	47K 5% 1/6W
R247	1-247-859-00	CARBON	15K 5% 1/6W	R303	1-247-831-00	CARBON	1K 5% 1/6W
R248	1-247-839-00	CARBON	2.2K 5% 1/6W	R304	1-247-831-00	CARBON	1K 5% 1/6W
R249	1-247-871-00	CARBON	47K 5% 1/6W	R305	1-247-831-00	CARBON	1K 5% 1/6W
R250	1-247-885-00	CARBON	180K 5% 1/6W	R306	1-247-883-00	CARBON	150K 5% 1/6W
R251	1-247-849-00	CARBON	5.6K 5% 1/6W	R307	1-247-819-00	CARBON	330 5% 1/6W
R252	1-247-853-00	CARBON	8.2K 5% 1/6W	R308	1-247-865-00	CARBON	27K 5% 1/6W
R253	1-247-843-00	CARBON	3.3K 5% 1/6W	R309	1-247-815-00	CARBON	220 5% 1/6W
R254	1-247-855-00	CARBON	10K 5% 1/6W	R310	1-247-843-00	CARBON	3.3K 5% 1/6W
R255	1-247-831-00	CARBON	1K 5% 1/6W	R311	1-247-872-00	CARBON	51K 5% 1/6W
R256	1-247-853-00	CARBON	8.2K 5% 1/6W	R312	1-247-839-00	CARBON	2.2K 5% 1/6W
R258	1-247-839-00	CARBON	2.2K 5% 1/6W	R313	1-247-847-00	CARBON	4.7K 5% 1/6W
R259	1-247-853-00	CARBON	8.2K 5% 1/6W	R314	1-247-867-00	CARBON	33K 5% 1/6W
R260	1-247-875-00	CARBON	68K 5% 1/6W	R315	1-247-835-00	CARBON	1.5K 5% 1/6W
R261	1-247-855-00	CARBON	10K 5% 1/6W	R316	1-247-835-00	CARBON	1.5K 5% 1/6W
R262	1-247-879-00	CARBON	100K 5% 1/6W	R317	1-246-469-00	CARBON	680 5% 1/4W
R263	1-247-855-00	CARBON	10K 5% 1/6W	R318	1-247-813-00	CARBON	180 5% 1/6W
R264	1-247-875-00	CARBON	68K 5% 1/6W	R319	1-247-823-00	CARBON	470 5% 1/6W
R265	1-247-855-00	CARBON	10K 5% 1/6W	R322	1-247-851-00	CARBON	6.8K 5% 1/6W
R266	1-247-855-00	CARBON	10K 5% 1/6W	R324	1-246-473-00	CARBON	1K 5% 1/4W
R267	1-247-863-00	CARBON	22K 5% 1/6W	R325	1-247-855-00	CARBON	10K 5% 1/6W
R268	1-247-875-00	CARBON	68K 5% 1/6W	R326	1-247-845-00	CARBON	3.9K 5% 1/6W
R269	1-247-855-00	CARBON	10K 5% 1/6W	R328	1-247-838-00	CARBON	2K 5% 1/6W
R270	1-247-827-00	CARBON	680 5% 1/6W	R329	1-247-845-00	CARBON	3.9K 5% 1/6W
R271	1-246-521-00	CARBON	100K 5% 1/4W	R332	1-247-873-00	CARBON	56K 5% 1/6W
R272	1-246-517-00	CARBON	68K 5% 1/4W	R335	1-247-871-00	CARBON	47K 5% 1/6W
R273	1-246-545-00	CARBON	1M 5% 1/4W	R336	1-247-863-00	CARBON	22K 5% 1/6W
R274	1-246-513-00	CARBON	47K 5% 1/4W	R337	1-247-875-00	CARBON	68K 5% 1/6W
R275	1-247-855-00	CARBON	10K 5% 1/6W	R338	1-247-855-00	CARBON	10K 5% 1/6W
R276	1-247-859-00	CARBON	15K 5% 1/6W	R339	1-247-839-00	CARBON	2.2K 5% 1/6W
R277	1-247-829-00	CARBON	820 5% 1/6W	R340	1-247-815-00	CARBON	220 5% 1/6W
R278	1-247-849-00	CARBON	5.6K 5% 1/6W	R341	1-247-855-00	CARBON	10K 5% 1/6W
R279	1-246-509-00	CARBON	33K 5% 1/4W	R342	1-247-841-00	CARBON	2.7K 5% 1/6W
R280	1-247-871-00	CARBON	47K 5% 1/6W	R343	1-247-831-00	CARBON	1K 5% 1/6W
R281	1-247-859-00	CARBON	15K 5% 1/6W	R344	1-247-831-00	CARBON	1K 5% 1/6W
R282	1-247-839-00	CARBON	2.2K 5% 1/8W F				

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<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>
R345	1-247-841-00	CARBON	2.7K	5%	1/6W		C688	1-102-222-00	CERAMIC	0.001MF	20%	25V	
R346	1-247-841-00	CARBON	2.7K	5%	1/6W		C689	1-125-287-00	ELECT(BLOCK)	430MF	400V		
R347	1-247-845-00	CARBON	3.9K	5%	1/6W		C691	1-102-085-00	CERAMIC	0.0047MF	500V		
R348	1-247-857-00	CARBON	12K	5%	1/6W				<u>DIODE</u>				
R349	1-247-855-00	CARBON	10K	5%	1/6W		D681	8-719-911-55	DIODE U05G				
<u>VARIABLE RESISTOR</u>													
RV101	1-228-718-00	RES, ADJ, CERAMIC CARBON	330						<u>CONNECTOR</u>				
RV103	1-228-722-00	RES, ADJ, CERAMIC CARBON	3.3K				F1	▲1-506-348-XX	6P PLUG				
RV104	1-228-725-00	RES, ADJ, CERAMIC CARBON	22K				F2	▲1-508-765-00	3P PLUG (M)				
RV105	1-228-725-00	RES, ADJ, CERAMIC CARBON	22K				F3	▲1-508-765-00	3P PLUG (M)				
RV106	1-228-722-00	RES, ADJ, CERAMIC CARBON	3.3K						<u>FUSE</u>				
RV107	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K				F601	▲1-532-237-00	FUSE, TIME-LAG				
RV108	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K					1-533-087-00	HOLDER, FUSE, F601				
RV109	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K						<u>RESISTOR</u>				
RV110	1-228-719-00	RES, ADJ, CERAMIC CARBON	470				R681	1-214-947-00	METAL	2.7M	1%	1/2W	
RV111	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K				R682	1-205-653-00	CEMENTED	100	5%	5W	
<u>SWITCH</u>													
S1	1-553-725-00	SWITCH, SLIDE							<u>TRANSFORMER</u>				
S2	1-553-725-00	SWITCH, SLIDE					T651	1-421-352-00	TRANSFORMER, FERRITE				
S3	1-553-725-00	SWITCH, SLIDE					T652	1-421-352-00	TRANSFORMER, FERRITE				
<u>TRANSFORMER</u>													
T101	1-408-513-00	COIL (VARIABLE)							<u>THERMISTOR</u>				
T102	1-409-193-00	COIL 3.58MHZ TRAP					TH601	1-800-820-00	THERMISTOR, POWER				
T103	1-409-193-00	COIL 3.58MHZ TRAP					THP601	1-806-387-00	THERMISTOR (POSITIVE)				
T104	1-404-081-00	TRANSFOMER, DELAY ADJUST							*****				
T201	1-404-146-00	TRANSFORMER							▲A-1275-050-A Q BOARD, COMPLETE				
T202	1-408-532-00	COIL, VARIABLE							*****				
T203	1-408-532-00	COIL, VARIABLE											
T204	1-408-513-00	COIL (VARIABLE)											
<u>THERMISTOR</u>													
TH101	1-800-070-XX	THERMISTOR TH-4700											
TH201	1-800-626-00	THERMISTOR											
<u>CRYSTAL</u>													
X101	1-527-396-00	CRYSTAL, OSC							<u>CAPACITOR</u>				
X102	1-527-345-00	CRYSTAL, OSC											
*****													
▲: 1-612-243-11 F BOARD													
*****													
<u>CAPACITOR</u>													
C681	1-130-238-00	MYLAR	0.22MF	20%	300V		C402	1-123-356-00	ELECT	10MF	20%	25V	
C682	1-130-238-00	MYLAR	0.22MF	20%	300V		C403	1-102-953-00	CERAMIC	18PF	5%	50V	
C683	1-102-222-00	CERAMIC	0.001MF	20%	250V		C405	1-123-380-00	ELECT	1MF	20%	50V	
C684	1-102-222-00	CERAMIC	0.001MF	20%	250V		C407	1-123-356-00	ELECT	10MF	20%	25V	
C685	1-102-222-00	CERAMIC	0.001MF	20%	250V		C408	1-102-953-00	CERAMIC	18PF	5%	50V	
C686	1-102-222-00	CERAMIC	0.001MF	20%	250V		C410	1-123-380-00	ELECT	1MF	20%	50V	
C687	1-102-222-00	CERAMIC	0.001MF	20%	250V		C412	1-123-356-00	ELECT	10MF	20%	25V	
							C413	1-102-953-00	CERAMIC	18PF	5%	50V	
							C415	1-123-380-00	ELECT	1MF	20%	50V	
							C417	1-123-332-00	ELECT	47MF	20%	25V	
							C419	1-106-212-00	MYLAR	0.047MF	10%	100V	
							C420	1-123-380-00	ELECT	1MF	20%	50V	
							C422	1-106-212-00	MYLAR	0.047MF	10%	100V	
							C423	1-123-380-00	ELECT	1MF	20%	50V	
							C424	1-123-332-00	ELECT	47MF	20%	25V	

For Service Manuals Contact  
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 Email: [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)

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

**Q**

<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>	
C426	1-123-234-00	ELECT	10MF	20%	50V	D412	8-719-911-19	DIODE ISS119
C428	1-123-234-00	ELECT	10MF	20%	50V	D414	8-719-911-19	DIODE ISS119
C430	1-123-234-00	ELECT	10MF	20%	50V	D415	8-719-911-19	DIODE ISS119
C432	1-123-332-00	ELECT	47MF	20%	25V	D416	8-719-911-19	DIODE ISS119
C433	1-123-356-00	ELECT	10MF	20%	25V	D418	8-719-100-37	DIODE RD6.2E-B1
C434	1-102-773-00	CERAMIC	330PF	5%	50V	D419	8-719-100-37	DIODE RD6.2E-B1
C435	1-123-332-00	ELECT	47MF	20%	25V	D420	8-719-911-19	DIODE ISS119
C436	1-101-006-00	CERAMIC	0.047MF		50V	D422	8-719-100-37	DIODE RD6.2E-B1
C437	1-123-234-00	ELECT	10MF	20%	50V	D423	8-719-100-22	DIODE RD4.3E-B1
C438	1-123-369-00	ELECT	4.7MF	20%	25V	D424	8-719-911-19	DIODE ISS119
C441	1-101-006-00	CERAMIC	0.047MF		50V	D425	8-719-100-26	DIODE RD4.7E-B1
C443	1-106-212-00	MYLAR	0.047MF	10%	100V	D435	8-719-911-19	DIODE ISS119
C444	1-108-377-00	MYLAR	0.01MF	10%	100V	D436	8-719-911-19	DIODE ISS119
C446	1-123-380-00	ELECT	1MF	20%	50V	D437	8-719-911-19	DIODE ISS119
C447	1-123-380-00	ELECT	1MF	20%	50V			<u>FUSE</u>
C448	1-123-380-00	ELECT	1MF	20%	50V	F402	▲1-532-078-00	FUSE, TIME-LAG
C452	1-123-382-00	ELECT	3.3MF	20%	50V		1-533-087-00	HOLDER, FUSE, F402
C453	1-123-228-00	ELECT	1MF	20%	50V	F404	▲1-532-279-00	FUSE, TIME-LAG
C455	1-101-006-00	CERAMIC	0.047MF		50V		1-533-087-00	HOLDER, FUSE, F404
C457	1-102-773-00	CERAMIC	330PF	5%	50V			<u>IC</u>
C459	1-102-773-00	CERAMIC	330PF	5%	50V	IC401	8-752-201-90	IC CX22019
C461	1-102-773-00	CERAMIC	330PF	5%	50V	IC402	8-759-900-09	IC SN74LS09N
C463	1-123-356-00	ELECT	10MF	20%	25V	IC403	8-759-901-36	IC SN74LS136N
C464	1-123-332-00	ELECT	47MF	20%	25V	IC404	8-759-900-08	IC SN74LS08N
C466	1-123-332-00	ELECT	47MF	20%	25V	IC405	8-759-900-08	IC SN74LS08N
C467	1-101-006-00	CERAMIC	0.047MF		50V	IC406	8-759-900-04	IC SN74LS04N
C468	1-101-006-00	CERAMIC	0.047MF		50V	IC407	8-759-900-00	IC SN74LS00N
C469	1-108-377-00	MYLAR	0.01MF	10%	100V	IC408	8-759-900-20	IC SN74LS20N
C489	1-123-332-00	ELECT	47MF	20%	25V	IC409	8-759-901-38	IC SN74LS138N
C490	1-123-332-00	ELECT	47MF	20%	25V			<u>COIL</u>
C491	1-123-332-00	ELECT	47MF	20%	25V	L401	1-408-412-00	MICRO INDUCTOR 18UH
C492	1-123-332-00	ELECT	47MF	20%	25V	L402	1-408-412-00	MICRO INDUCTOR 18UH
C493	1-102-766-00	CERAMIC	150PF	5%	50V	L403	1-408-412-00	MICRO INDUCTOR 18UH
C494	1-108-377-00	MYLAR	0.01MF	10%	100V	L407	1-408-163-00	MICRO INDUCTOR 5.6MMH
C495	1-101-006-00	CERAMIC	0.047MF		50V			<u>CONNECTOR</u>
C497	1-123-356-00	ELECT	10MF	20%	25V	Q1	▲1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P
						Q2	▲1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P
						Q3	▲1-560-224-00	PLUG, CONNECTOR (2.5MM) 10P
						Q4	▲1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P
						Q5	▲1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P
						Q7	▲1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)
								<u>TRANSISTOR</u>
						Q401	8-729-204-83	TRANSISTOR 2SA1048-GR
						Q402	8-729-245-83	TRANSISTOR 2SC2458
						Q403	8-729-204-83	TRANSISTOR 2SA1048-GR
						Q404	8-729-245-83	TRANSISTOR 2SC2458
						Q405	8-729-204-83	TRANSISTOR 2SA1048-GR
						Q406	8-729-245-83	TRANSISTOR 2SC2458

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Q407	8-729-204-83	TRANSISTOR	2SA1048	-GR		R361	1-246-469-00	CARBON	680	5%	1/4W
Q408	8-729-204-83	TRANSISTOR	2SA1048	-GR		R362	1-246-469-00	CARBON	680	5%	1/4W
Q409	8-729-245-83	TRANSISTOR	2SC2458			R364	1-247-827-00	CARBON	680	5%	1/6W
Q410	8-729-204-83	TRANSISTOR	2SA1048	-GR		R365	1-246-469-00	CARBON	680	5%	1/4W
Q411	8-729-245-83	TRANSISTOR	2SC2458			R366	1-246-457-00	CARBON	220	5%	1/4W
Q412	8-729-245-83	TRANSISTOR	2SC2458			R367	1-246-457-00	CARBON	220	5%	1/4W
Q413	8-729-245-83	TRANSISTOR	2SC2458			R368	1-247-855-00	CARBON	10K	5%	1/6W
Q414	8-729-204-83	TRANSISTOR	2SA1048	-GR		R369	1-247-815-00	CARBON	220	5%	1/6W
Q415	8-729-245-83	TRANSISTOR	2SC2458			R370	1-247-815-00	CARBON	220	5%	1/6W
Q416	8-729-245-83	TRANSISTOR	2SC2458			R371	1-247-843-00	CARBON	3.3K	5%	1/6W
Q417	8-729-245-83	TRANSISTOR	2SC2458			R372	1-246-485-00	CARBON	3.3K	5%	1/4W
Q418	8-729-204-83	TRANSISTOR	2SA1048	-GR		R373	1-246-537-00	CARBON	470K	5%	1/4W
Q419	8-729-245-83	TRANSISTOR	2SC2458			R374	1-247-871-00	CARBON	47K	5%	1/6W
Q420	8-729-245-83	TRANSISTOR	2SC2458			R377	1-247-845-00	CARBON	3.9K	5%	1/6W
Q421	8-729-245-83	TRANSISTOR	2SC2458			R378	1-247-855-00	CARBON	10K	5%	1/6W
Q422	8-729-245-83	TRANSISTOR	2SC2458			R379	1-246-469-00	CARBON	680	5%	1/4W
Q423	8-729-245-83	TRANSISTOR	2SC2458			R401	1-247-104-00	CARBON	75	5%	1/4W
Q424	8-729-204-83	TRANSISTOR	2SA1048	-GR		R402	1-246-473-00	CARBON	1K	5%	1/4W
Q425	8-729-245-83	TRANSISTOR	2SC2458			R403	1-247-878-00	CARBON	91K	5%	1/6W
Q426	8-729-245-83	TRANSISTOR	2SC2458			R404	1-247-831-00	CARBON	1K	5%	1/6W
Q428	8-729-245-83	TRANSISTOR	2SC2458			R405	1-247-865-00	CARBON	27K	5%	1/6W
Q429	8-729-245-83	TRANSISTOR	2SC2458			R406	1-247-853-00	CARBON	8.2K	5%	1/6W
Q430	8-729-204-83	TRANSISTOR	2SA1048	-GR		R407	1-247-831-00	CARBON	1K	5%	1/6W
Q431	8-729-245-83	TRANSISTOR	2SC2458			R408	1-247-104-00	CARBON	75	5%	1/4W
Q433	8-729-204-83	TRANSISTOR	2SA1048	-GR		R409	1-246-473-00	CARBON	1K	5%	1/4W
Q434	8-729-245-83	TRANSISTOR	2SC2458			R410	1-247-878-00	CARBON	91K	5%	1/6W
Q435	8-729-245-83	TRANSISTOR	2SC2458			R411	1-247-831-00	CARBON	1K	5%	1/6W
Q442	8-729-245-83	TRANSISTOR	2SC2458			R412	1-247-865-00	CARBON	27K	5%	1/6W
Q443	8-729-245-83	TRANSISTOR	2SC2458			R413	1-247-853-00	CARBON	8.2K	5%	1/6W
Q444	8-729-245-83	TRANSISTOR	2SC2458			R414	1-247-831-00	CARBON	1K	5%	1/6W
Q445	8-729-204-83	TRANSISTOR	2SA1048	-GR		R415	1-247-104-00	CARBON	75	5%	1/4W
Q446	8-729-204-83	TRANSISTOR	2SA1048	-GR		R416	1-246-473-00	CARBON	1K	5%	1/4W
Q447	8-729-245-83	TRANSISTOR	2SC2458			R417	1-247-878-00	CARBON	91K	5%	1/6W
Q448	8-729-204-83	TRANSISTOR	2SA1048	-GR		R418	1-247-831-00	CARBON	1K	5%	1/6W
Q449	8-729-245-83	TRANSISTOR	2SC2458			R419	1-247-865-00	CARBON	27K	5%	1/6W
Q450	8-729-204-83	TRANSISTOR	2SA1048	-GR		R420	1-247-853-00	CARBON	8.2K	5%	1/6W
Q451	8-729-245-83	TRANSISTOR	2SC2458			R421	1-247-831-00	CARBON	1K	5%	1/6W
Q452	8-729-204-83	TRANSISTOR	2SA1048	-GR		R422	1-246-515-00	CARBON	56K	5%	1/4W
Q453	8-729-245-83	TRANSISTOR	2SC2458			R423	1-247-885-00	CARBON	180K	5%	1/6W
Q454	8-729-204-83	TRANSISTOR	2SA1048	-GR		R424	1-247-877-00	CARBON	82K	5%	1/6W
Q455	8-729-245-83	TRANSISTOR	2SC2458			R425	1-247-871-00	CARBON	47K	5%	1/6W
Q456	8-729-245-83	TRANSISTOR	2SC2458			R426	1-247-851-00	CARBON	6.8K	5%	1/6W
Q457	8-729-204-83	TRANSISTOR	2SA1048	-GR		R427	1-247-847-00	CARBON	4.7K	5%	1/6W
						R428	1-246-515-00	CARBON	56K	5%	1/4W
						R429	1-247-885-00	CARBON	180K	5%	1/6W
<u>RESISTOR</u>											
R351	1-247-855-00	CARBON	10K	5%	1/6W	R430	1-247-877-00	CARBON	82K	5%	1/6W
R352	1-247-815-00	CARBON	220	5%	1/6W	R431	1-247-871-00	CARBON	47K	5%	1/6W
R353	1-247-855-00	CARBON	10K	5%	1/6W	R432	1-247-851-00	CARBON	6.8K	5%	1/6W
R354	1-247-815-00	CARBON	220	5%	1/6W	R433	1-247-847-00	CARBON	4.7K	5%	1/6W
R355	1-247-807-00	CARBON	100	5%	1/6W	R434	1-247-807-00	CARBON	100	5%	1/6W
R356	1-246-469-00	CARBON	680	5%	1/4W	R435	1-247-879-00	CARBON	100K	5%	1/6W
R357	1-246-469-00	CARBON	680	5%	1/4W	R436	1-247-103-00	CARBON	68	5%	1/4W
R358	1-247-827-00	CARBON	680	5%	1/6W	R437	1-246-473-00	CARBON	1K	5%	1/4W
R359	1-247-827-00	CARBON	680	5%	1/6W						

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Q

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R438	1-247-839-00	CARBON	2.2K 5% 1/6W	R495	1-247-863-00	CARBON	22K 5% 1/6W
R439	1-246-497-00	CARBON	10K 5% 1/4W	R496	1-247-871-00	CARBON	47K 5% 1/6W
R440	1-247-878-00	CARBON	91K 5% 1/6W	R497	1-247-855-00	CARBON	10K 5% 1/6W
R442	1-247-865-00	CARBON	27K 5% 1/6W	R499	1-247-819-00	CARBON	330 5% 1/6W
R443	1-247-853-00	CARBON	8.2K 5% 1/6W	R1401	1-247-839-00	CARBON	2.2K 5% 1/6W
R444	1-247-103-00	CARBON	68 5% 1/4W	R1402	1-247-831-00	CARBON	1K 5% 1/6W
R445	1-246-473-00	CARBON	1K 5% 1/4W	R1403	1-247-861-00	CARBON	18K 5% 1/6W
R446	1-247-839-00	CARBON	2.2K 5% 1/6W	R1404	1-247-845-00	CARBON	3.9K 5% 1/6W
R447	1-246-497-00	CARBON	10K 5% 1/4W	R1405	1-247-855-00	CARBON	10K 5% 1/6W
R448	1-247-878-00	CARBON	91K 5% 1/6W	R1406	1-247-843-00	CARBON	3.3K 5% 1/6W
R450	1-247-865-00	CARBON	27K 5% 1/6W	R1413	1-246-487-00	CARBON	3.9K 5% 1/4W
R451	1-247-853-00	CARBON	8.2K 5% 1/6W	R1414	1-246-465-00	CARBON	470 5% 1/4W
R452	1-247-103-00	CARBON	68 5% 1/4W	R1415	1-246-491-00	CARBON	5.6K 5% 1/4W
R453	1-246-473-00	CARBON	1K 5% 1/4W	R1417	1-247-823-00	CARBON	470 5% 1/6W
R454	1-247-839-00	CARBON	2.2K 5% 1/6W	R1419	1-247-835-00	CARBON	1.5K 5% 1/6W
R455	1-246-497-00	CARBON	10K 5% 1/4W	R1420	1-247-847-00	CARBON	4.7K 5% 1/6W
R456	1-247-878-00	CARBON	91K 5% 1/6W	R1421	1-247-831-00	CARBON	1K 5% 1/6W
R458	1-247-865-00	CARBON	27K 5% 1/6W	R1423	1-247-827-00	CARBON	680 5% 1/6W
R459	1-247-853-00	CARBON	8.2K 5% 1/6W	R1432	1-247-855-00	CARBON	10K 5% 1/6W
R460	1-247-107-00	CARBON	100 5% 1/4W	R1433	1-247-843-00	CARBON	3.3K 5% 1/6W
R461	1-247-839-00	CARBON	2.2K 5% 1/6W	R1434	1-247-848-00	CARBON	5.1K 5% 1/6W
R462	1-247-831-00	CARBON	1K 5% 1/6W	R1435	1-247-833-00	CARBON	1.2K 5% 1/6W
R463	1-247-845-00	CARBON	3.9K 5% 1/6W	R1436	1-247-859-00	CARBON	15K 5% 1/6W
R465	1-247-835-00	CARBON	1.5K 5% 1/6W	R1437	1-247-855-00	CARBON	10K 5% 1/6W
R466	1-247-819-00	CARBON	330 5% 1/6W	R1438	1-247-849-00	CARBON	5.6K 5% 1/6W
R467	1-247-829-00	CARBON	820 5% 1/6W	R1439	1-247-847-00	CARBON	4.7K 5% 1/6W
R468	1-247-835-00	CARBON	1.5K 5% 1/5W	R1441	1-247-863-00	CARBON	22K 5% 1/6W
R469	1-247-819-00	CARBON	330 5% 1/6W	R1442	1-247-901-00	CARBON	820K 5% 1/6W
R470	1-247-829-00	CARBON	820 5% 1/6W	R1443	1-247-901-00	CARBON	820K 5% 1/6W
R471	1-247-835-00	CARBON	1.5K 5% 1/6W	R1444	1-247-901-00	CARBON	820K 5% 1/6W
R472	1-247-819-00	CARBON	330 5% 1/6W	R1445	1-247-867-00	CARBON	33K 5% 1/6W
R473	1-247-829-00	CARBON	820 5% 1/6W	R1446	1-247-867-00	CARBON	33K 5% 1/6W
R474	1-247-847-00	CARBON	4.7K 5% 1/6W	R1447	1-246-527-00	CARBON	180K 5% 1/4W
R475	1-247-853-00	CARBON	8.2K 5% 1/6W	R1448	1-247-849-00	CARBON	5.6K 5% 1/6W
R476	1-247-831-00	CARBON	1K 5% 1/6W	R1449	1-247-839-00	CARBON	2.2K 5% 1/6W
R477	1-247-847-00	CARBON	4.7K 5% 1/6W	R1451	1-247-831-00	CARBON	1K 5% 1/6W
R478	1-247-847-00	CARBON	4.7K 5% 1/5W	R1452	1-247-843-00	CARBON	3.3K 5% 1/6W
R479	1-247-847-00	CARBON	4.7K 5% 1/6W	R1453	1-247-831-00	CARBON	1K 5% 1/6W
R480	1-247-103-00	CARBON	68 5% 1/4W	R1454	1-247-843-00	CARBON	3.3K 5% 1/6W
R481	1-246-481-00	CARBON	2.2K 5% 1/4W	R1455	1-247-839-00	CARBON	2.2K 5% 1/6W
R482	1-247-839-00	CARBON	2.2K 5% 1/6W	R1456	1-247-823-00	CARBON	470 5% 1/6W
R483	1-247-807-00	CARBON	100 5% 1/6W	R1457	1-247-839-00	CARBON	2.2K 5% 1/6W
R484	1-247-855-00	CARBON	10K 5% 1/6W	R1458	1-247-799-00	CARBON	47 5% 1/6W
R485	1-247-878-00	CARBON	91K 5% 1/6W	R1459	1-247-825-00	CARBON	560 5% 1/6W
R486	1-247-865-00	CARBON	27K 5% 1/6W	R1460	1-247-791-00	CARBON	22 5% 1/6W
R487	1-247-853-00	CARBON	8.2K 5% 1/6W	R1461	1-247-839-00	CARBON	2.2K 5% 1/6W
R488	1-246-457-00	CARBON	220 5% 1/4W	R1462	1-247-823-00	CARBON	470 5% 1/6W
R489	1-246-489-00	CARBON	4.7K 5% 1/4W	R1463	1-247-839-00	CARBON	2.2K 5% 1/6W
R490	1-247-835-00	CARBON	1.5K 5% 1/6W	R1464	1-247-799-00	CARBON	47 5% 1/6W
R491	1-247-839-00	CARBON	2.2K 5% 1/6W	R1465	1-247-825-00	CARBON	560 5% 1/6W
R492	1-247-829-00	CARBON	820 5% 1/6W	R1466	1-247-791-00	CARBON	22 5% 1/6W
R493	1-247-819-00	CARBON	330 5% 1/6W	R1467	1-247-839-00	CARBON	2.2K 5% 1/6W
R494	1-247-847-00	CARBON	4.7K 5% 1/6W	R1468	1-247-823-00	CARBON	470 5% 1/6W

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<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>	
R1469	1-247-839-00	CARBON	2.2K	5%	1/6W	C707	1-123-356-00	ELECT	10MF	20%	25V	
R1470	1-247-799-00	CARBON	47	5%	1/6W	C708	1-121-759-00	ELECT	4.7MF	20%	250V	
R1471	1-247-825-00	CARBON	560	5%	1/6W	C709	1-102-038-00	CERAMIC	0.001MF	500V		
R1472	1-247-791-00	CARBON	22	5%	1/6W	C710	1-108-433-00	MYLAR	0.1MF	10%	200V	
R1473	1-247-853-00	CARBON	8.2K	5%	1/6W	C711	1-123-356-00	ELECT	10MF	20%	50V	
R1474	1-247-851-00	CARBON	6.8K	5%	1/6W	C712	1-129-737-00	FILM	0.047MF	20%	630V	
R1475	1-247-855-00	CARBON	10K	5%	1/6W	C713	1-102-249-00	CERAMIC	680PF	20%	2KV	
R1476	1-247-815-00	CARBON	220	5%	1/6W	C714	1-108-595-00	MYLAR	0.047MF	5%	50V	
R1477	1-247-815-00	CARBON	220	5%	1/6W			<u>DIODE</u>				
R1478	1-247-815-00	CARBON	220	5%	1/6W	D701	8-719-300-76	DIODE	RH1A			
R1479	1-247-847-00	CARBON	4.7K	5%	1/6W	D702	8-719-300-76	DIODE	RH1A			
R1480	1-247-847-00	CARBON	4.7K	5%	1/6W	D703	8-719-300-76	DIODE	RH1A			
R1481	1-247-831-00	CARBON	1K	5%	1/6W			<u>COIL</u>				
R1482	1-247-855-00	CARBON	10K	5%	1/6W	L701	1-408-418-00	MICRO INDUCTOR	56UH			
R1483	1-247-855-00	CARBON	10K	5%	1/6W	L702	1-408-418-00	MICRO INDUCTOR	56UH			
R1484	1-246-497-00	CARBON	10K	5%	1/4W	L703	1-408-418-00	MICRO INDUCTOR	56UH			
R1485	1-246-457-00	CARBON	220	5%	1/4W	L704	1-408-417-00	MICRO INDUCTOR	47UH			
R1486	1-246-497-00	CARBON	10K	5%	1/4W	L705	1-407-780-00	COIL, SPOOK CHOKE				
R1487	1-246-457-00	CARBON	220	5%	1/4W	L706	1-408-417-00	MICRO INDUCTOR	47UH			
R1488	1-246-497-00	CARBON	10K	5%	1/4W			<u>NEON LAMP</u>				
R1489	1-246-457-00	CARBON	220	5%	1/4W	NL701	1-519-108-XX	NEON LAMP, ASSY				
REG401	8-759-171-05	IC	UPC7805H					<u>TRANSISTOR</u>				
REG402	8-759-700-60	IC	UPC7812H									
		<u>VARIABLE RESISTOR</u>				Q701	8-729-245-83	TRANSISTOR	2SC2458			
RV401	1-226-853-00	RES, ADJ, CARBON	47K			Q702	8-729-326-11	TRANSISTOR	2SC2611			
RV402	1-226-852-00	RES, ADJ, CARBON	22K			Q703	8-729-245-83	TRANSISTOR	2SC2458			
RV403	1-226-852-00	RES, ADJ, CARBON	22K			Q704	8-729-326-11	TRANSISTOR	2SC2611			
RV404	1-226-852-00	RES, ADJ, CARBON	22K			Q705	8-729-245-83	TRANSISTOR	2SC2458			
RV405	1-226-852-00	RES, ADJ, CARBON	22K			Q706	8-729-326-11	TRANSISTOR	2SC2611			
		<u>SWITCH</u>						<u>RESISTOR</u>				
S401	1-553-725-00	SWITCH, SLIDE				R707	1-247-823-00	CARBON	470	5%	1/6W	
S402	1-553-725-00	SWITCH, SLIDE				R708	1-247-793-00	CARBON	27	5%	1/6W	
S403	1-553-725-00	SWITCH, SLIDE				R709	1-247-838-00	CARBON	2K	5%	1/6W	
						R710	1-247-815-00	CARBON	220	5%	1/6W	
						R711	1-247-791-00	CARBON	22	5%	1/6W	
		<u>A-1330-507-A C1 BOARD, COMPLETE</u>										
						R712	1-206-749-00	METAL OXIDE	10K	5%	3W	F
						R713	1-247-823-00	CARBON	470	5%	1/6W	
						R714	1-247-793-00	CARBON	27	5%	1/6W	
						R715	1-247-838-00	CARBON	2K	5%	1/6W	
						R716	1-247-815-00	CARBON	220	5%	1/6W	
		<u>1-526-616-00 SOCKET, CRT</u>										
		<u>CAPACITOR</u>				R717	1-247-791-00	CARBON	22	5%	1/6W	
C701	1-123-356-00	ELECT	10MF	20%	25V	R718	1-206-749-00	METAL OXIDE	10K	5%	3W	F
C702	1-102-002-00	CERAMIC	680PF	10%	500V	R719	1-247-823-00	CARBON	470	5%	1/6W	
C703	1-123-356-00	ELECT	10MF	20%	25V	R720	1-247-793-00	CARBON	27	5%	1/6W	
C704	1-102-002-00	CERAMIC	680PF	10%	500V	R721	1-247-838-00	CARBON	2K	5%	1/6W	
C705	1-123-356-00	ELECT	10MF	20%	25V	R722	1-247-815-00	CARBON	220	5%	1/6W	
C706	1-102-002-00	CERAMIC	680PF	10%	500V	R723	1-247-791-00	CARBON	22	5%	1/6W	

For Service Manuals Contact  
 MAURITRON TECHNICAL SERVICES  
 8 Cherry Tree Rd, Chinnor  
 Oxon OX9 4QY  
 Tel:- 01844-351694 Fax:- 01844-352554  
 Email:- enquiries@mauritron.co.uk

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<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>
R724	1-206-749-00	METAL OXIDE	10K	5%	3W F	RV711	1-226-921-00	RES, ADJ, CARBON	4.7K		
R725	1-202-824-00	SOLID	3.3K		1/2W	RV712	1-226-921-00	RES, ADJ, CARBON	4.7K		
R726	1-202-824-00	SOLID	3.3K		1/2W						
R727	1-202-824-00	SOLID	3.3K		1/2W						
R728	1-202-549-00	SOLID	100	10%	1/2W						
R729	1-202-837-00	SOLID	82K		1/2W						
R730	1-202-846-00	SOLID	470K		1/2W						
R731	1-202-814-51	SOLID	33K		1/2W						
R732	1-202-815-51	SOLID	47K		1/2W						
R733	1-202-846-00	SOLID	470K		1/2W						
R734	1-202-719-00	SOLID	1M	10%	1/2W						
R735	1-202-842-51	SOLID	220K		1/2W						
R736	1-247-795-00	CARBON	33	5%	1/6W						
R737	1-246-525-00	CARBON	150K	5%	1/4W						
R738	1-247-795-00	CARBON	33	5%	1/6W						
R739	1-202-844-00	SOLID	330K		1/2W						
		<u>VARIABLE RESISTOR</u>									
RV713	1-226-114-00	RES, ADJ, METAL GLAZE	2.2M								
RV714	1-226-063-00	RES, ADJ, CARBON	2.2M								
		<u>SPARK GAP</u>									
SG701	1-519-063-XX	DISCHARGING GAP									
SG702	1-519-063-XX	DISCHARGING GAP									
SG703	1-519-063-XX	DISCHARGING GAP									
SG704	1-519-063-XX	DISCHARGING GAP									
SG705	1-519-063-XX	DISCHARGING GAP									
		<u>C2 BOARD</u>									
		*****									
		<u>PLUG, CONNECTOR 8P</u>									
		<u>RESISTOR</u>									
R701	1-247-839-00	CARBON	2.2K	5%	1/6W						
R702	1-247-823-00	CARBON	470	5%	1/6W						
R703	1-247-839-00	CARBON	2.2K	5%	1/6W						
R704	1-247-823-00	CARBON	470	5%	1/6W						
R705	1-247-839-00	CARBON	2.2K	5%	1/6W						
R706	1-247-823-00	CARBON	470	5%	1/6W						
		<u>VARIABLE RESISTOR</u>									
RV701	1-226-819-00	RES, ADJ, CARBON	1K								
RV702	1-226-819-00	RES, ADJ, CARBON	1K								
RV703	1-226-921-00	RES, ADJ, CARBON	4.7K								
RV704	1-226-921-00	RES, ADJ, CARBON	4.7K								
RV705	1-226-819-00	RES, ADJ, CARBON	1K								
RV706	1-226-819-00	RES, ADJ, CARBON	1K								
RV707	1-226-921-00	RES, ADJ, CARBON	4.7K								
RV708	1-226-921-00	RES, ADJ, CARBON	4.7K								
RV709	1-226-819-00	RES, ADJ, CARBON	1K								
RV710	1-226-819-00	RES, ADJ, CARBON	1K								
		<u>SWITCH</u>									
		<u>SLIDE SWITCH</u>									
		*****									
		<u>D BOARD, COMPLETE</u>									
		*****									
		<u>SCREW, TAPPING</u>									
		4-363-414-00 SPACER, MICA									
		4-367-226-00 HOLDER, H OUT									
		<u>CAPACITOR</u>									
		*****									
		<u>ELECT</u>									
		2.2MF 20% 50V									
		4.7MF 20% 50V									
		0.001MF 5% 50V									
		0.0015MF 5% 50V									
		560PF 10% 50V									
		*****									
		<u>CERAMIC</u>									
		100PF 5% 50V									
		0.039MF 10% 100V									
		1MF 20% 50V									
		0.01MF 10% 100V									
		3.3MF 20% 50V									
		*****									
		<u>ELECT</u>									
		0.47MF 20% 50V									
		0.47MF 5% 50V									
		4.7MF 20% 16V									
		10MF 20% 25V									
		0.022MF 10% 100V									
		*****									
		<u>MYLAR</u>									
		0.047MF 5% 50V									
		220MF 20% 16V									
		68PF 5% 500V									
		0.022MF 10% 100V									
		0.01MF 10% 100V									
		*****									
		<u>FILM</u>									
		0.022MF 10% 100V									
		330MF 20% 25V									
		0.47MF 20% 50V									
		0.047MF 10% 200V									
		*****									
		<u>CERAMIC</u>									
		100PF 5% 500V									
		0.001MF 10% 100V									
		0.0022MF 10% 3KV									
		0.068MF 10% 100V									
		0.012MF 3% 2KV									
		*****									
		<u>FILM</u>									
		0.033MF 10% 400V									
		0.0047MF 10% 2KV									
		10MF 250V									
		*****									
		<u>ELECT</u>									
		*****									

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<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>
C544	1-102-038-00	CERAMIC	0.001MF		500V	D510	8-719-928-08	DIODE ERD28-08	
C545	1-123-333-00	ELECT	100MF	20%	25V	D511	8-719-903-09	DIODE V30N	
C546	1-102-038-00	CERAMIC	0.001MF		500V	D512	8-719-901-93	DIODE V19E	
C547	1-136-110-00	FILM	0.91MF	5%	200V	D513	8-719-901-93	DIODE V19E	
C548	1-108-421-00	MYLAR	0.01MF	10%	200V	D514	8-719-911-55	DIODE U05G	
C549	1-136-113-00	FILM	2MF	5%	200V	D515	8-719-901-93	DIODE V19E	
C550	1-129-943-00	FILM	0.68MF	10%	400V	D516	8-719-911-19	DIODE ISS119	
C551	1-123-332-00	ELECT	47MF	20%	16V	D517	8-719-911-55	DIODE U05G	
C552	1-123-332-00	ELECT	47MF	20%	16V	D518	8-719-911-55	DIODE U05G	
C553	1-108-377-00	MYLAR	0.01MF	10%	100V	D519	8-719-911-55	DIODE U05G	
C554	1-123-333-00	ELECT	100MF	20%	25V	D520	8-719-911-19	DIODE ISS119	
C555	1-102-228-00	CERAMIC	470PF	10%	500V	D521	8-719-911-19	DIODE ISS119	
C556	1-123-360-00	ELECT	100MF	20%	50V	D524	8-719-911-19	DIODE ISS119	
C557	1-106-204-00	MYLAR	0.022MF	10%	100V	D525	8-719-102-82	DIODE 7.5E-N3	
C559	1-123-330-00	ELECT	22MF	20%	16V			<u>IC</u>	
C560	1-108-383-00	MYLAR	0.033MF	10%	100V	IC501	8-759-100-60	IC UPC1377C	
C562	1-123-332-00	ELECT	47MF	20%	16V	IC502	8-759-979-16	IC CX7916	
C563	1-123-332-00	ELECT	47MF	20%	16V	IC504	8-759-145-58	IC UPC4558C	
C566	1-108-555-00	MYLAR	0.001MF	5%	50V	IC505	8-759-113-78	IC UPC1378H-L	
C567	1-101-006-00	CERAMIC	0.047MF		50V	IC801	8-759-905-39	IC TDA1082	
C568	1-123-321-00	ELECT	220MF	20%	16V			<u>COIL</u>	
C569	1-108-377-00	MYLAR	0.01MF	10%	100V	L501	1-408-242-00	MICRO INDUCTOR 10MMH	
C570	1-108-377-00	MYLAR	0.01MF	10%	100V	L502	1-407-780-00	COIL, SPOOK CHOKE	
C571	1-101-006-00	CERAMIC	0.047MF		50V	L503	1-407-365-00	COIL, CHOKE	
C572	1-101-006-00	CERAMIC	0.047MF		50V	L504	1-459-390-00	COIL (WITH CORE)	
C573	1-123-380-00	ELECT	1MF	20%	50V	L505	1-421-368-00	COIL, VAR FERRITE (HLC)	
C575	1-123-024-00	ELECT	33MF		160V	L506	1-408-239-00	MICRO INDUCTOR 4.7MMH	
C801	1-123-369-00	ELECT	4.7MF	20%	50V	L507	1-459-104-00	COIL, DUST CORE	
C802	1-123-369-00	ELECT	4.7MF	20%	50V	L508	1-408-242-00	MICRO INDUCTOR 10MMH	
C803	1-108-591-00	MYLAR	0.033MF	5%	50V	L509	1-421-329-00	COIL, CHOKE	
C804	1-124-192-00	ELECT	4.7MF	20%	50V	L801	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE	
C805	1-108-372-00	MYLAR	0.0039MF	10%	100V	L802	1-459-338-00	COIL, VAR, FERRITE (PAC)	
C806	1-123-380-00	ELECT	1MF	20%	50V			<u>TRANSISTOR</u>	
C807	1-123-332-00	ELECT	47MF	20%	16V	Q501	8-729-384-48	TRANSISTOR 2SA844	
C808	1-123-228-00	ELECT	1MF	20%	50V	Q502	8-729-245-83	TRANSISTOR 2SC2458	
C810	1-123-336-00	ELECT	470MF	20%	25V	Q503	8-729-900-36	TRANSISTOR DTC124ES	
C813	1-108-435-00	MYLAR	0.15MF	10%	200V	Q504	8-729-900-36	TRANSISTOR DTC124ES	
					Q505	8-729-900-36	TRANSISTOR DTC124ES		
					Q506	8-729-900-36	TRANSISTOR DTC124ES		
D1	4:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P			Q507	8-729-900-63	TRANSISTOR DTA124ES		
D2	4:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P			Q508	8-729-168-82	TRANSISTOR 2SC2688		
D3	4:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P			Q509	8-729-800-87	TRANSISTOR 2SD1398-CA		
D4	4:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P			Q510	8-729-245-83	TRANSISTOR 2SC2458		
D5	4:1-508-767-00	5P PLUG			Q512	8-729-177-43	TRANSISTOR 2SD774		
D6	4:1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P			Q801	8-729-313-42	TRANSISTOR 2SD1134		
D7	4:1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)			Q802	8-729-245-83	TRANSISTOR 2SC2458		
D8	4:1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P			Q805	8-729-245-83	TRANSISTOR 2SC2458		
					Q850	8-729-384-48	TRANSISTOR 2SA844		
								<u>RESISTOR</u>	
D501	8-719-102-60	DIODE RD3.9E-N2			R501	1-247-835-00	CARBON	1.5K	5%
D502	8-719-911-19	DIODE ISS119							1/6W
D504	8-719-911-19	DIODE ISS119							
D509	8-719-305-15	DIODE GH3F							

**For Service Manuals Contact  
MAURITRON TECHNICAL SERVICES**  
8 Cherry Tree Rd, Chinnor  
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Tel: 01844-351694 Fax: 01844-352554  
Email: [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)

D

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
R502	1-247-823-00	CARBON	470 5% 1/6W	R565	1-212-371-00	METAL OXIDE	8.2 5% 1W F
R503	1-247-823-00	CARBON	470 5% 1/6W	R566	1-247-889-00	CARBON	270K 5% 1/6W
R504	1-247-831-00	CARBON	1K 5% 1/6W	R567	1-247-903-00	CARBON	1M 5% 1/6W
R505	1-247-855-00	CARBON	10K 5% 1/6W	R568	1-213-137-00	METAL OXIDE	330 5% 1W F
R506	1-247-839-00	CARBON	2.2K 5% 1/6W	R569	1-213-137-00	METAL OXIDE	330 5% 1W F
R507	1-247-833-00	CARBON	1.2K 5% 1/6W	R570	1-247-230-00	CARBON	390 5% 1/2W
R508	1-247-835-00	CARBON	1.5K 5% 1/6W	R571	1-247-863-00	CARBON	22K 5% 1/6W
R509	1-247-839-00	CARBON	2.2K 5% 1/6W	R572	1-247-865-00	CARBON	27K 5% 1/6W
R510	1-247-865-00	CARBON	27K 5% 1/6W	R573	1-247-843-00	CARBON	3.3K 5% 1/6W
R511	1-215-459-00	METAL	39K 1% 1/6W	R574	1-247-871-00	CARBON	47K 5% 1/6W
R512	1-247-877-00	CARBON	82K 5% 1/6W	R575	1-247-879-00	CARBON	100K 5% 1/6W
R513	1-247-855-00	CARBON	10K 5% 1/6W	R577	1-247-855-00	CARBON	10K 5% 1/6W
R514	1-215-475-00	METAL	180K 1% 1/6W	R578	1-215-459-00	METAL	39K 1% 1/6W
R515	1-215-463-00	METAL	56K 1% 1/6W	R579	1-215-475-00	METAL	180K 1% 1/6W
R518	1-215-478-00	METAL	240K 1% 1/6W	R580	1-246-483-00	CARBON	2.7K 5% 1/4W
R519	1-215-463-00	METAL	56K 1% 1/6W	R581	1-246-483-00	CARBON	2.7K 5% 1/4W
R520	1-247-819-00	CARBON	330 5% 1/6W	R582	1-247-833-00	CARBON	1.2K 5% 1/6W
R521	1-247-827-00	CARBON	680 5% 1/6W	R583	1-247-831-00	CARBON	1K 5% 1/6W
R522	1-247-827-00	CARBON	680 5% 1/6W	R584	1-247-875-00	CARBON	68K 5% 1/6W
R523	1-247-823-00	CARBON	470 5% 1/6W	R585	1-247-873-00	CARBON	56K 5% 1/6W
R524	1-247-849-00	CARBON	5.6K 5% 1/6W	R586	1-215-493-00	METAL	1M 1% 1/6W
R525	1-247-835-00	CARBON	1.5K 5% 1/6W	R587	1-247-855-00	CARBON	10K 5% 1/6W
R526	1-247-851-00	CARBON	6.8K 5% 1/6W	R588	1-247-877-00	CARBON	82K 5% 1/6W
R527	1-247-857-00	CARBON	12K 5% 1/6W	R589	1-247-877-00	CARBON	82K 5% 1/6W
R528	1-247-847-00	CARBON	4.7K 5% 1/6W	R596	1-212-373-00	METAL OXIDE	12 5% 1W F
R529	1-215-471-00	METAL	120K 1% 1/6W	R597	1-215-373-31	METAL	10 1% 1/6W
R530	1-215-465-00	METAL	68K 1% 1/6W	R598	1-247-855-00	CARBON	10K 5% 1/6W
R531	1-247-835-00	CARBON	1.5K 5% 1/6W	R599	1-247-865-00	CARBON	27K 5% 1/6W
R532	1-246-992-00	CARBON	180 5% 1/8W F	R801	1-247-857-00	CARBON	12K 5% 1/6W
R533	1-247-851-00	CARBON	6.8K 5% 1/8W F	R802	1-247-863-00	CARBON	22K 5% 1/6W
R534	1-247-835-00	CARBON	1.5K 5% 1/6W	R803	1-211-431-00	CARBON	150 5% 1/8W F
R535	1-215-456-00	METAL	30K 1% 1/6W	R805	1-247-815-00	CARBON	220 5% 1/6W
R536	1-247-857-00	CARBON	12K 5% 1/6W	R806	1-247-875-00	CARBON	68K 5% 1/6W
R537	1-247-879-00	CARBON	100K 5% 1/6W	R807	1-247-861-00	CARBON	18K 5% 1/6W
R538	1-247-847-00	CARBON	4.7K 5% 1/6W	R809	1-247-867-00	CARBON	33K 5% 1/6W
R540	1-247-859-00	CARBON	15K 5% 1/6W	R810	1-247-845-00	CARBON	3.9K 5% 1/6W
R548	1-247-813-00	CARBON	180 5% 1/6W	R811	1-247-867-00	CARBON	33K 5% 1/6W
R549	1-246-991-00	CARBON	150 5% 1/8W F	R812	1-247-863-00	CARBON	22K 5% 1/6W
R550	1-247-855-00	CARBON	10K 5% 1/6W	R813	1-247-845-00	CARBON	3.9K 5% 1/6W
R551	1-247-809-00	CARBON	120 5% 1/6W	R814	1-247-869-00	CARBON	39K 5% 1/6W
R552	1-247-855-00	CARBON	10K 5% 1/6W	R815	1-247-865-00	CARBON	27K 5% 1/6W
R553	1-205-642-00	CEMENTED	3.3K 10% 5W	R816	1-247-831-00	CARBON	1K 5% 1/6W
R554	1-247-837-00	CARBON	1.8K 5% 1/8W F	R817	1-247-831-00	CARBON	1K 5% 1/6W
R555	1-247-831-00	CARBON	1K 5% 1/6W	R818	1-247-891-00	CARBON	330K 5% 1/6W
R556	1-247-636-00	CARBON	0.47 5% 1/8W F	R825	1-212-363-00	METAL OXIDE	1.8 5% 1W F
R557	1-247-636-00	CARBON	0.47 5% 1/8W F	R827	1-247-859-00	CARBON	15K 5% 1/6W
R558	1-217-407-00	FUSIBLE	470 1/4W F	R840	1-247-855-00	CARBON	10K 5% 1/6W
R559	1-210-859-00	CARBON	1.2 5% 1/8W F	R841	1-244-883-00	CARBON	2.7K 5% 1/2W
R560	1-202-597-00	SOLID	10K 10% 1/2W	R845	1-247-885-00	CARBON	180K 5% 1/6W
R561	1-247-172-00	CARBON	51K 5% 1/4W	<u>VARIABLE RESISTOR</u>			
R562	1-247-172-00	CARBON	51K 5% 1/4W	RV501	1-228-577-00	RES, ADJ, CARBON	220
R563	1-213-141-00	METAL OXIDE	680 5% 1W F	RV502	1-226-850-00	RES, ADJ, CARBON	4.7K
R564	1-213-129-00	METAL OXIDE	68 5% 1W F				

D TK-09

Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark		
RV503	1-226-851-00	RES, ADJ, CARBON 10K		C623	A.1-123-575-51	ELECT	100MF 160V		
RV504	1-228-160-11	RES, ADJ, METAL GLAZE 5K		C624	A.1-123-333-51	ELECT	100MF 25V		
RV505	1-222-344-00	RES, ADJ, CARBON 5K		C625	A.1-123-333-51	ELECT	100MF 25V		
RV506	1-223-102-00	RES, ADJ, WIREWOUND 120		C651	A.1-130-528-51	FILM	0.1MF 10% 50V		
RV507	1-226-854-00	RES, ADJ, CARBON 100K		C652	A.1-130-528-51	FILM	0.1MF 10% 50V		
RV509	1-224-249-XX	RES, ADJ, METAL GLAZE 1K		C653	A.1-124-265-11	ELECT	33MF 50V		
RV801	1-226-851-00	RES, ADJ, CARBON 10K		C654	A.1-130-027-51	FILM	0.0056MF 5% 50V		
RV802	1-226-847-00	RES, ADJ, CARBON 1K		C655	A.1-130-512-51	FILM	0.0047MF 10% 50V		
RV803	1-226-847-00	RES, ADJ, CARBON 1K		C656	A.1-130-528-51	FILM	0.1MF 10% 50V		
		<u>SPARK GAP</u>		C657	A.1-123-330-51	ELECT	22MF 20% 25V		
SG501	1-519-063-XX	DISCHARGING GAP				<u>CONNECTOR</u>			
		<u>TRANSFORMER</u>		CN651	A.1-564-164-11	PIN, CONNECTOR 7P			
T501	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE				<u>DIODE</u>			
T503	1-421-520-00	TRANSFORMER, FERRITE (PHT)		D601	A.8-719-300-53	DIODE CTU-38S			
T801	1-421-245-11	TRANSFOMER, PZN CUSHION		D602	A.8-719-300-52	DIODE CTU-38R			
*****	*****	*****	*****	D603	A.8-719-903-02	DIODE ESAC33-02C			
1-413-179-11	SWITCHING REGULATOR (TK-09)	*****	*****	D604	A.8-719-903-02	DIODE ESAC33-02C			
1-611-903-11	TK-09GB BOARD			D605	A.8-719-900-93	DIODE V09E			
2-430-308-01	INSULATOR (TK-03), TR			D606	A.8-719-911-19	DIODE ISS119			
2-430-742-00	BRACKET-RIGHT (SR-12), L			D607	A.8-719-100-61	DIODE RD11E-B2			
2-430-743-00	BRACKET-LEFT (SR-12)			D608	A.8-719-100-34	DIODE RD5.6E-B1			
2-430-773-01	+PSW 3X6			D609	A.8-719-100-29	DIODE RD5.1E-B1			
2-430-947-00	PLATE, GROUND			D610	A.8-719-100-29	DIODE RD5.1E-B1			
2-434-060-01	+PSW 3X18			D611	A.8-719-200-02	DIODE 10E2			
3-671-893-00	CLAMP (LOW TYPE)			D612	A.8-719-100-34	DIODE RD5.6E-B1			
4-310-385-00	HOLDER, WIRE			D613	A.8-719-100-34	DIODE RD5.6E-B1			
4-323-833-00	HEAT SINK, PIN OUT			D651	A.8-719-911-19	DIODE ISS119			
				D652	A.8-719-911-19	DIODE ISS119			
				D653	A.8-719-911-19	DIODE ISS119			
				D654	A.8-719-100-34	DIODE RD5.6E-B1			
		<u>CAPACITOR</u>				<u>IC</u>			
C601	A.1-130-806-21	FILM	0.10MF	400V		IC651	A.8-759-906-22	IC MB3759PF	
C602	A.1-161-742-12	CERAMIC	2200PF	20%	400V	F			
C603	A.1-161-742-12	CERAMIC	2200PF	20%	400V	F			
C604	A.1-161-742-12	CERAMIC	2200PF	20%	400V	F			
C605	A.1-125-268-11	ELECT							
C606	A.1-124-023-51	ELECT	4.7MF		350V		L601	A.1-421-606-11	TRANSFORMER, LINE FILTER
C607	A.1-124-023-41	ELECT	4.7MF		350V		L602	A.1-410-052-11	COIL, CHOKE (MAIN)
C610	A.1-161-963-11	CERAMIC	100PF	20%	2V		L603	A.1-410-053-11	COIL, CHOKE
C611	A.1-161-912-11	CERAMIC	560PF	10%	500V		L604	A.1-408-933-11	COIL, CHOKE
C612	A.1-161-912-11	CERAMIC	560PF	10%	500V		L605	A.1-408-933-11	COIL, CHOKE
C613	A.1-161-912-11	CERAMIC	560PF	10%	500V		L606	A.1-408-933-11	COIL, CHOKE
C614	A.1-161-912-11	CERAMIC	560PF	10%	500V				
C615	A.1-161-989-11	CERAMIC	2200PF	10%	500V				
C616	A.1-130-516-51	FILM	0.01MF	10%	50V		Q601	A.8-729-300-95	TRANSISTOR STR8124
C617	A.1-130-520-51	FILM	0.022MF	10%	50V		Q602	A.8-729-102-03	TRANSISTOR 2SD1020
C618	A.1-123-357-51	ELECT	22MF	20%	50V		Q603	A.8-729-102-03	TRANSISTOR 2SD1020
C619	A.1-130-528-51	FILM	0.1MF	10%	50V		Q604	A.8-729-178-54	TRANSISTOR 2SC2785
C620	A.1-123-575-51	ELECT	100MF		160V		Q605	A.8-729-177-43	TRANSISTOR 2SD774
C621	A.1-123-349-51	ELECT	1000MF	20%	35V		Q651	A.8-729-117-54	TRANSISTOR 2SA1175
C622	A.1-123-324-51	ELECT	1000MF	20%	16V		Q652	A.8-729-178-54	TRANSISTOR 2SC2785

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

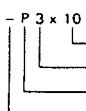
TK-09

<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>					
<u>RESISTOR</u>												
R601	△.1-244-921-11	CARBON	100K 5%	1/2W	1-452-032-00	MAGNET DISK; 10MM Ø						
R602	△.1-246-497-25	CARBON	10K 5%	1/4W	1-452-094-00	MAGNET ROTATABLE DISK; 15MM Ø						
R603	△.1-212-946-51	FUSE	3.3 5%	1/2W	△.1-534-820-XX	POWER CORD						
R604	△.1-246-449-25	CARBON	100 5%	1/4W	L901	△.1-426-087-41 COIL, DEGAUSSING						
R605	△.1-244-921-11	CARBON	100K 5%	1/2W	S901	△.1-552-503-00 SWITCH, PUSH						
R606	△.1-246-497-25	CARBON	10K 5%	1/4W	SP901	1-503-109-00 SPEAKER						
R607	△.1-212-946-51	FUSE	3.3 5%	1/2W	T502	△.1-439-322-00 TRANSFORMER ASSY, FLYBACK						
R608	△.1-246-449-25	CARBON	100 5%	1/4W	V901	△.8-737-251-05 CRT A49JHT00X						
R609	△.1-244-873-11	CARBON	1K 5%	1/2W	*****							
R610	△.1-246-461-25	CARBON	330 5%	1/4W	ACCESORIES AND PACKING MATERIALS							
R611	△.1-246-521-25	CARBON	100K 5%	1/4W	*****							
R612	△.1-246-497-25	CARBON	10K 5%	1/4W	Part No.	<u>Description</u>	<u>Remark</u>					
R613	△.1-246-482-25	CARBON	2.4K 5%	1/4W	4-493-915-11	MANUAL, INSTRUCTION						
R615	△.1-213-151-61	METAL	4.7K 5%	1W	4-309-537-00	BAG, PROTECTION						
R616	△.1-246-453-25	CARBON	150 5%	1/4W	4-363-322-01	INDIVIDUAL CARTON						
R617	△.1-246-417-25	CARBON	4.7 5%	1/4W	4-370-943-01	CUSHION (UPPER) (ASSY)						
R618	△.1-217-465-21	FUSE	0.47 10%	1W	4-370-944-01	CUSHION (LOWER) (ASSY)						
R619	△.1-217-465-21	FUSE	0.47 10%	1W								
R620	△.1-246-418-25	CARBON	5.1 5%	1/4W								
R651	△.1-247-855-41	CARBON	10K 5%	1/6W								
R652	△.1-247-845-41	CARBON	3.9K 5%	1/6W								
R653	△.1-247-862-41	CARBON	20K 5%	1/6W								
R654	△.1-247-864-41	CARBON	24K 5%	1/6W								
R655	△.1-247-836-41	CARBON	1.6K 5%	1/6W								
R656	△.1-247-879-41	CARBON	100K 5%	1/6W								
R657	△.1-247-835-41	CARBON	1.5K 5%	1/6W								
R658	△.1-247-881-41	CARBON	120K 5%	1/6W								
R659	△.1-247-854-41	CARBON	9.1K 5%	1/6W								
R660	△.1-214-777-51	METAL	100K 1%	1/4W								
R661	△.1-214-744-51	METAL	4.3K 1%	1/4W								
R662	△.1-247-861-41	CARBON	18K 5%	1/6W								
R663	△.1-247-852-41	CARBON	7.5K 5%	1/6W								
R664	△.1-247-846-41	CARBON	4.3K 5%	1/6W								
R665	△.1-247-849-41	CARBON	5.6K 5%	1/6W								
R666	△.1-247-831-41	CARBON	1.0K 5%	1/6W								
R667	△.1-247-837-41	CARBON	1.8K 5%	1/6W								
<u>TRANSFORMER</u>												
T601	△.1-447-764-11	TRANSFORMER, CONVERTER										
T602	△.1-437-102-12	TRANSFORMER, DRIVE										
T603	△.1-421-460-11	TRANSFORMER, CURRENT										
*****												
<u>MISCELLANEOUS</u>												
*****												
△.1-228-482-00	RESISTOR ASSY, HIGH-VOLTAGE											
△.1-451-204-61	DEFLECTION YOKE (SY-108B)											

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

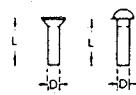
HARDWARE NOMENCLATURE

Screw:



Indicated slotted-head only.

Unless otherwise indicated, it means cross-recessed head (Phillips type).



Nut, Washer, Retaining ring:

N 3

Diameter of usable screw or shaft

Reference designation

Reference Designation	Shape	Description	Remarks
<b>SCREWS</b>			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		brazier-head screw	

Reference Designation	Shape	Description	Remarks
<b>SELF-TAPPING SCREWS</b>			
TA		self-tapping screw	ex TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
<b>SET SCREWS</b>			
SC		set screw	
SC		hexagon-socket set screw	ex SC 2 6 x 4, hexagon socket
<b>NUT</b>			
N		nut	
<b>WASHERS</b>			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex LW3, internal
LW		external-tooth lock washer	ex LW3, external
<b>RETAINING RINGS</b>			
E		retaining ring	
G		grip-type retaining ring	

For Service Manuals Contact  
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**Sony Corporation**  
TV Group

—74—

English  
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© 1985

# PVM-2010QM

**SONY®**  
**SERVICE MANUAL**

*AEP Model*  
*UK Model*

*Chassis No. SCC-557A-A*

No. 1

## SUPPLEMENT

**SUBJECT:** The following part numbers in the printed wiring boards have been changed.

File this supplement with the service manual.

Board	Part No.
F	1-612-243-16
H	1-612-248-12
B	1-612-247-16
D	1-612-242-15
Q	1-612-244-13
C1	1-612-245-14
C2	1-612-246-12

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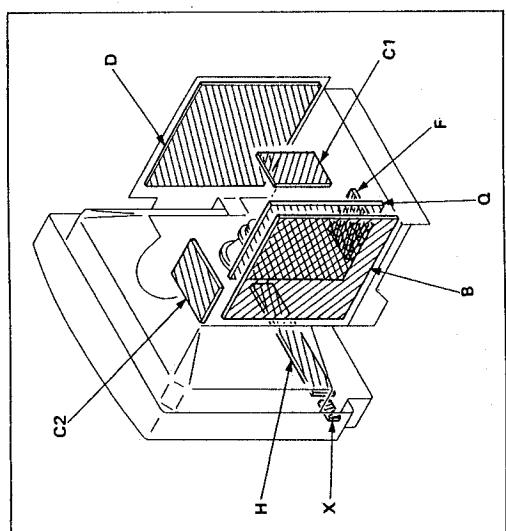
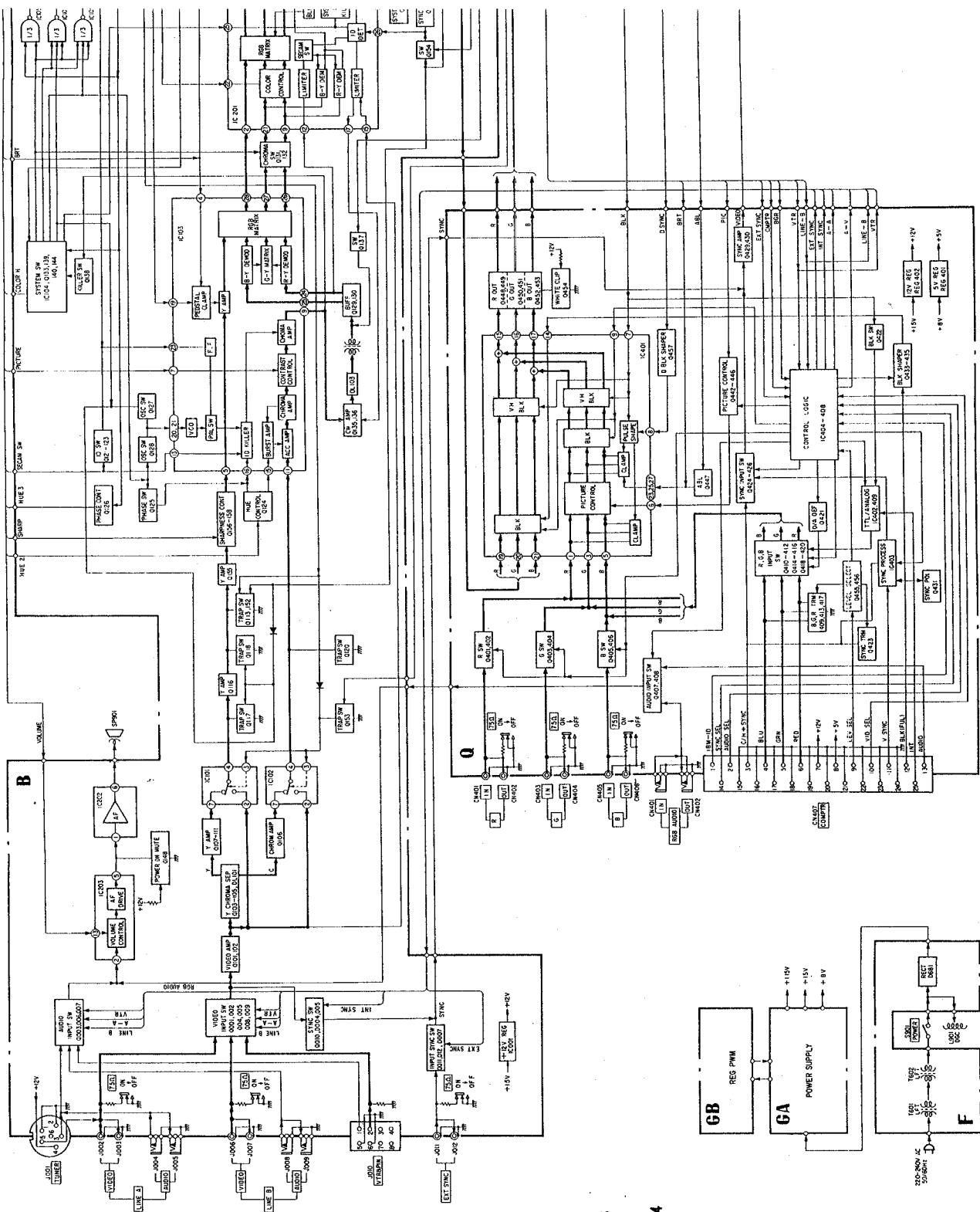
**VM-2010QM**

PVM-2010QM PVM-2010QM

SECTION 5  
DIAGRAMS

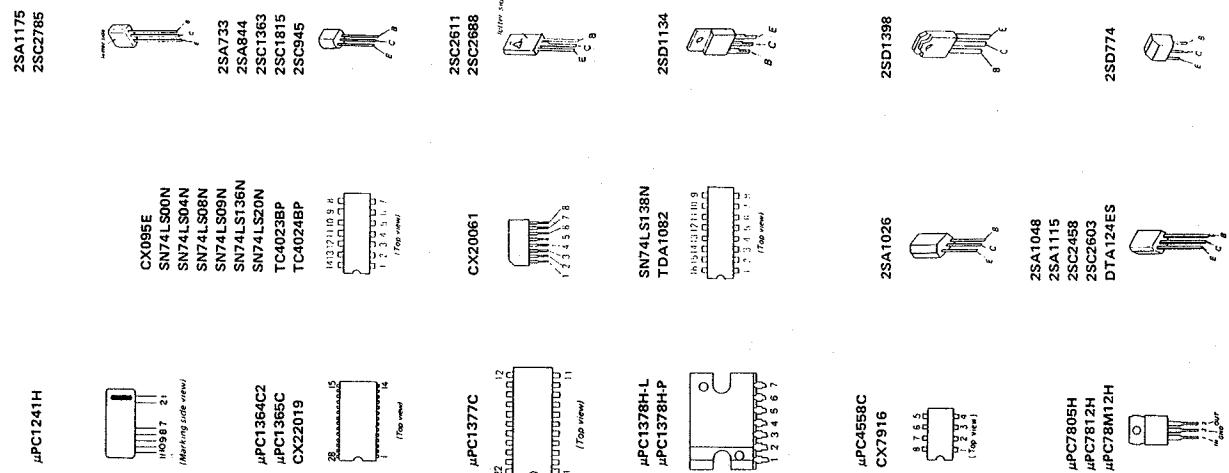
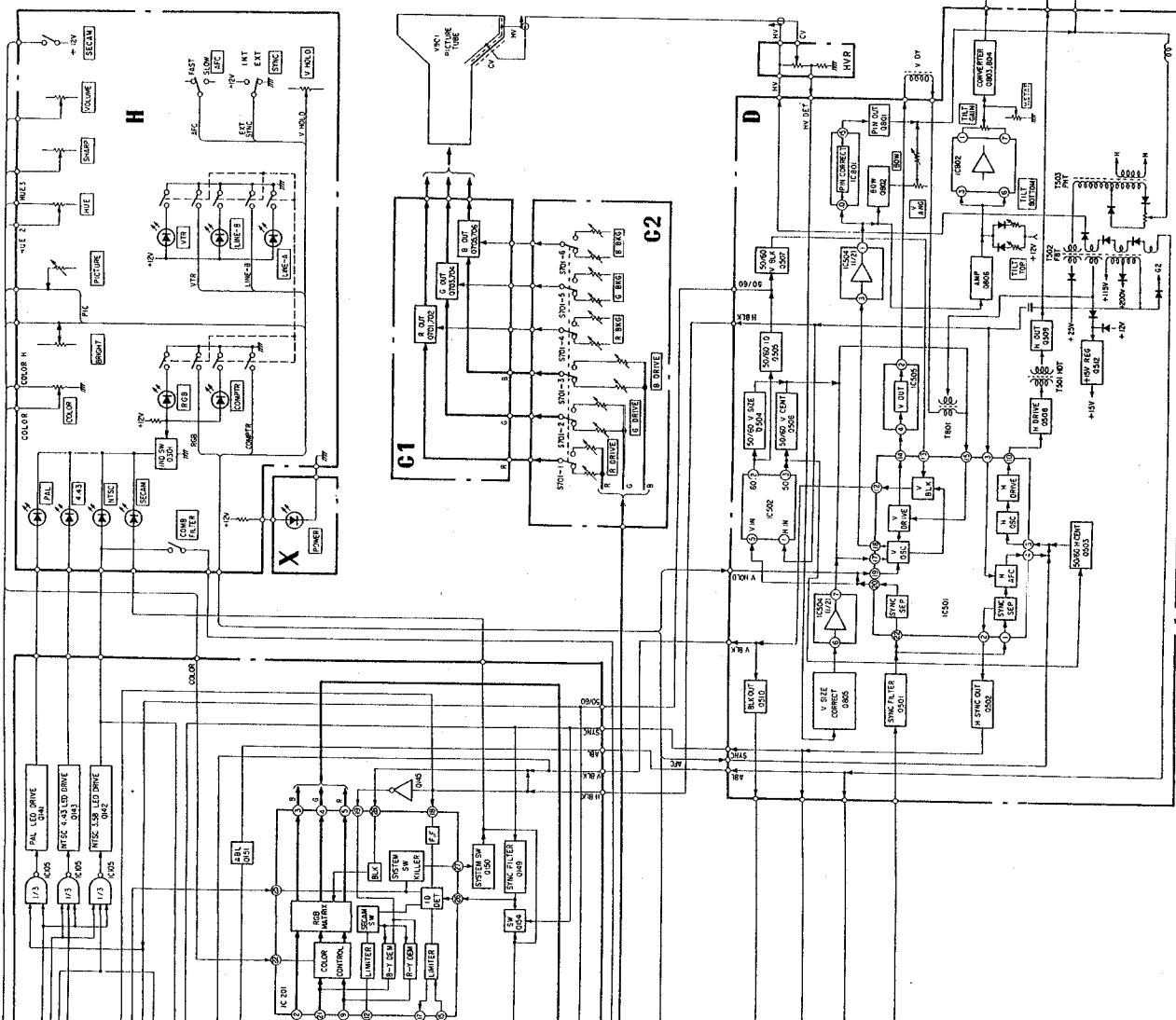
## 5-1. CIRCUIT BOARDS LOCATION

## 5.2. BLOCK DIAGRAM



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## 5.3. SEMICONDUCTORS



A

**Note:** The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

- All capacitors are in  $\mu F$  unless otherwise noted.  $pF$ :  $\mu UF$  500V or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted.
- $k\Omega = 1000\Omega$ ,  $M\Omega = 1000k\Omega$ .
- Notice that the following boards have not a resistance wattage of 1/6W.

GA Board .... 1/4W (as a reference)

$\Delta$  : nonflammable resistor.

$\square$  : fusible resistor.

$\triangle$  : internal component.

$\square$  : panel designation.

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

Readings are taken with a color-bar signal input to LINE A. Voltages are dc with respect to ground unless otherwise noted.

The voltage of Q601 ~ Q603 is a reference value between emitter of Q601.

Readings are taken with a 10M $\Omega$  digital multimeter.  $\square$ : adjustment for repair.

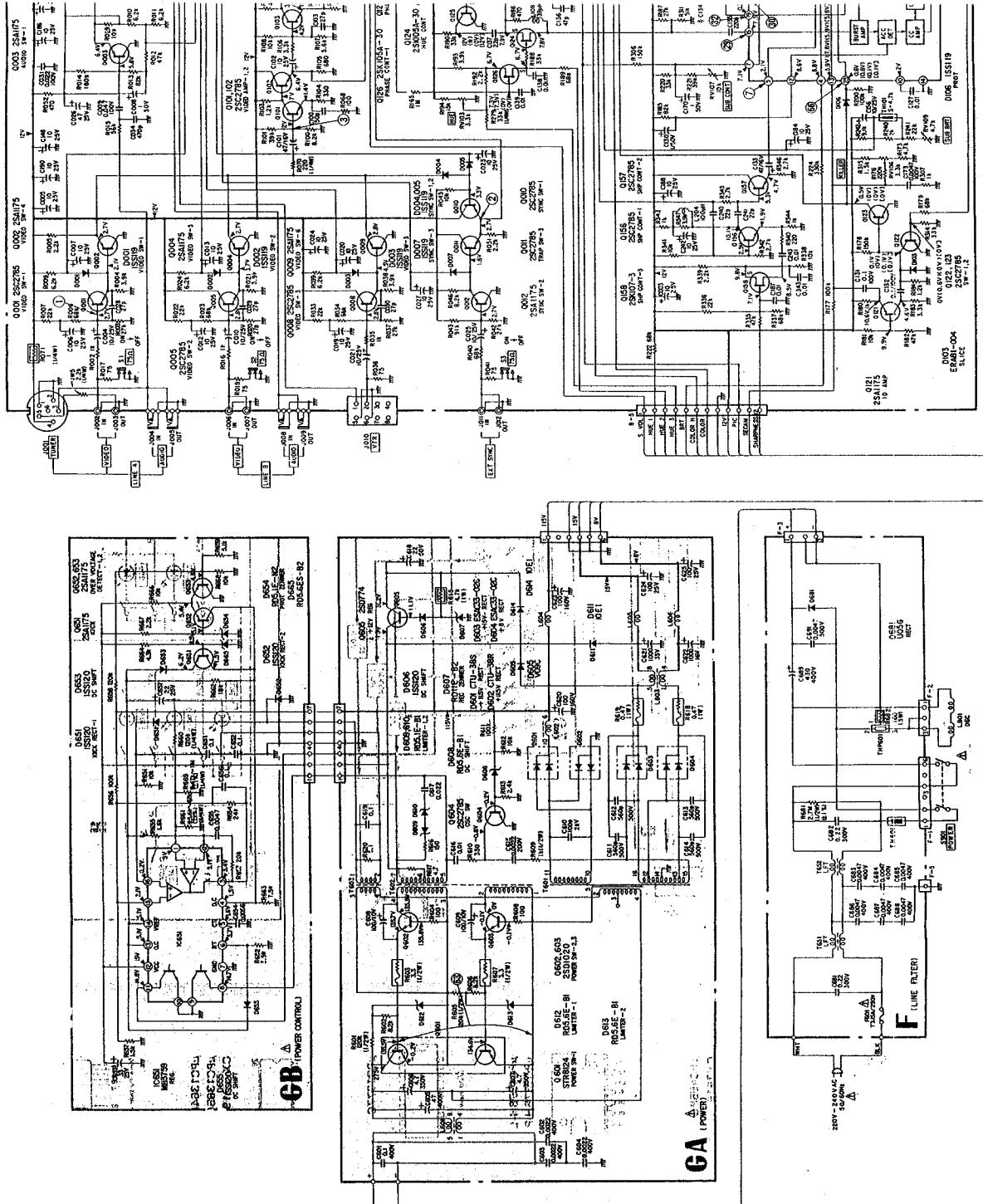
Voltage variations may be noted due to normal production tolerances.

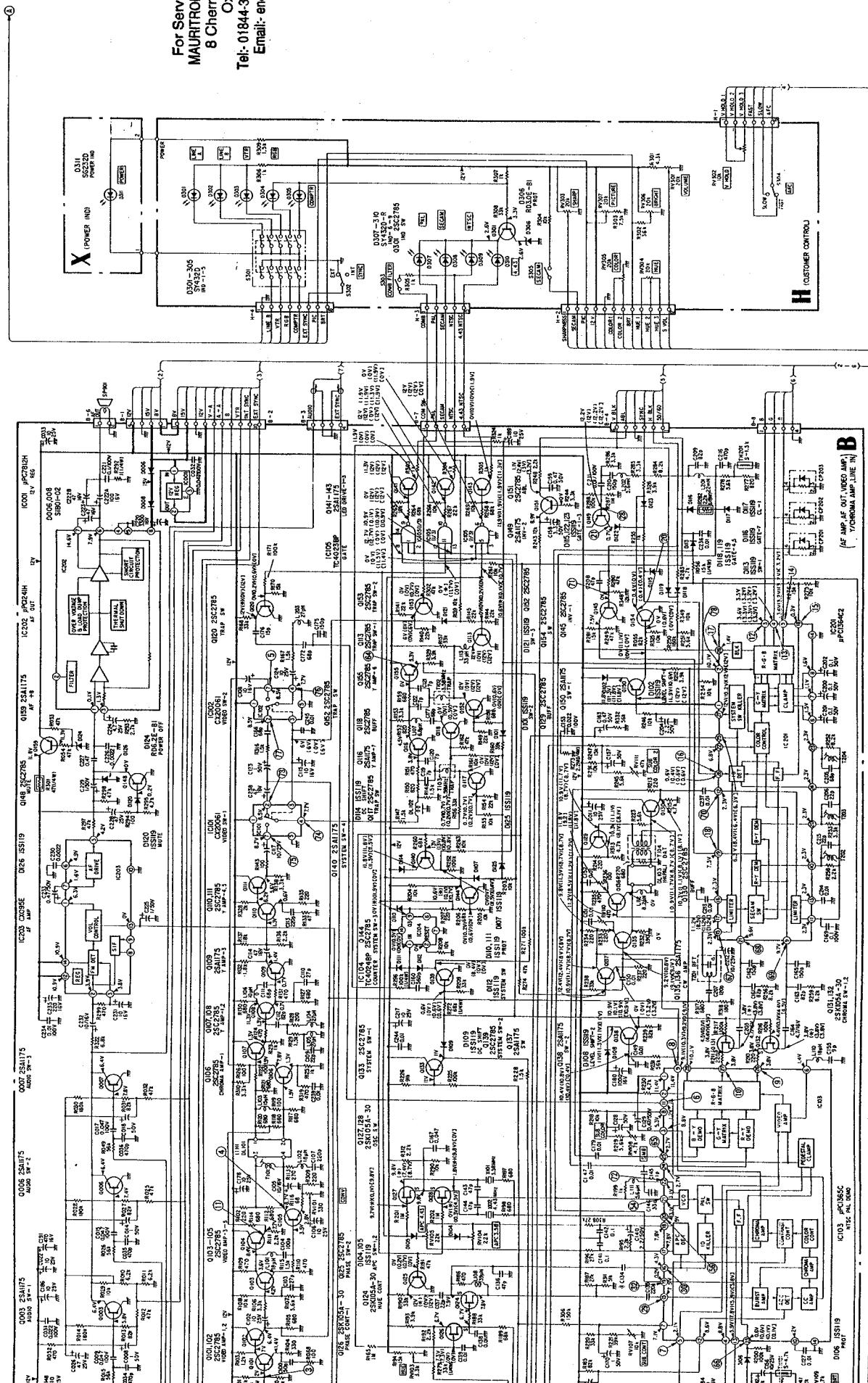
(1) : B + bus.  
For the waveform diagram, refer to page 23 ~ 27.

no mark : PAL  
( ) : SECAM  
< : NTSC 3.58  
[ ] : NTSC 4.43

\* : Not measurable.

\* : Selected to yield optimum performance.

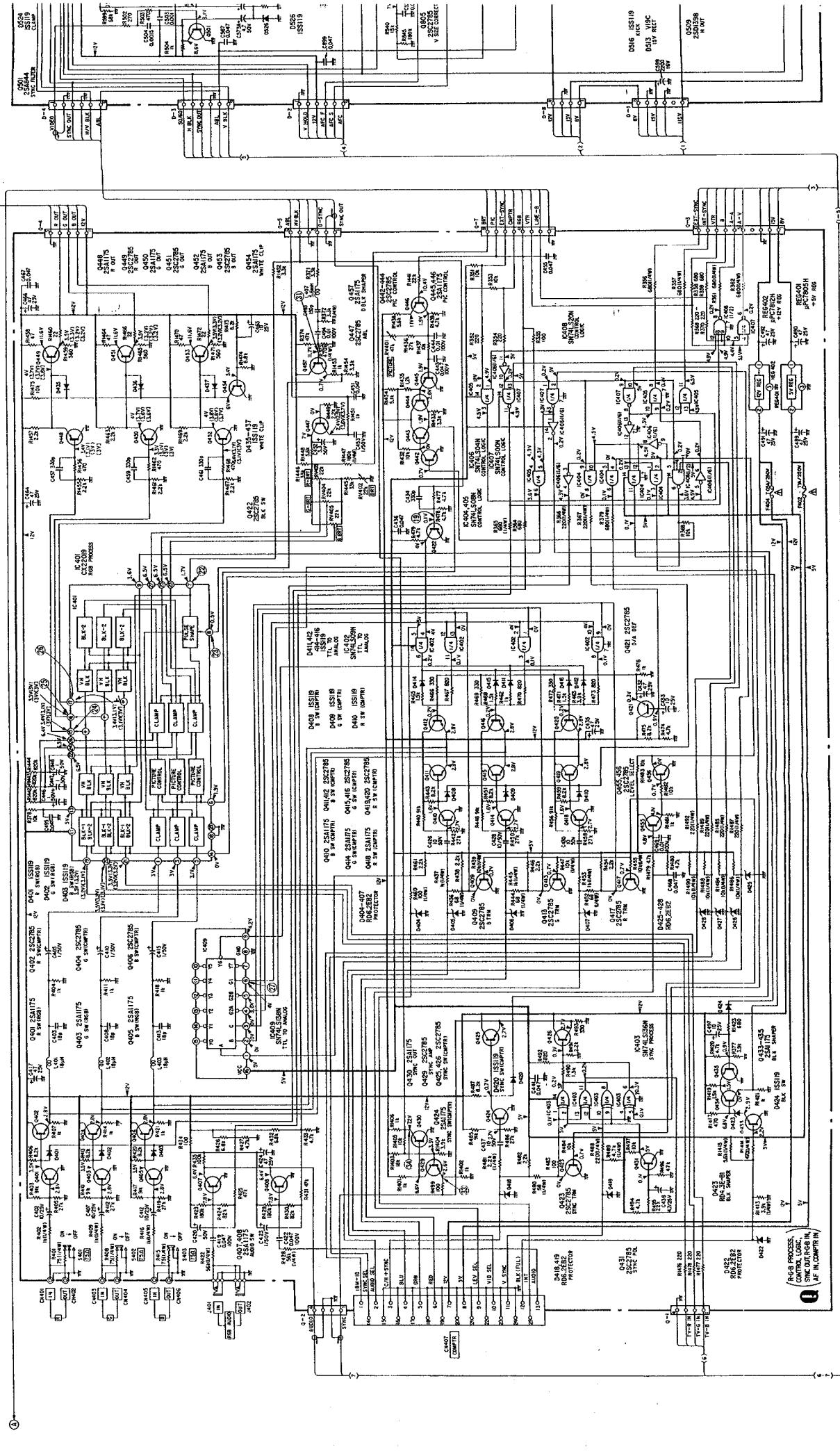


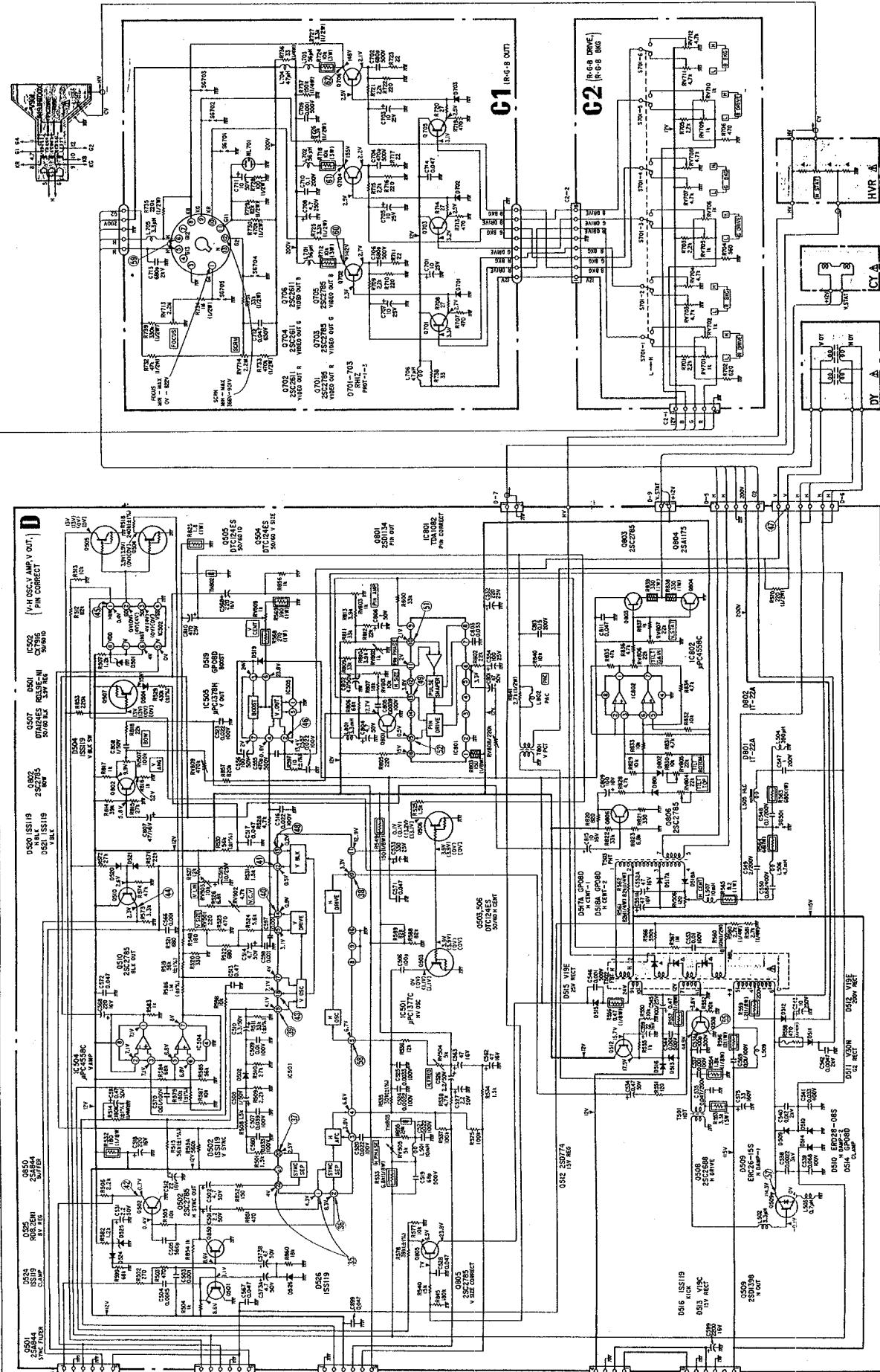


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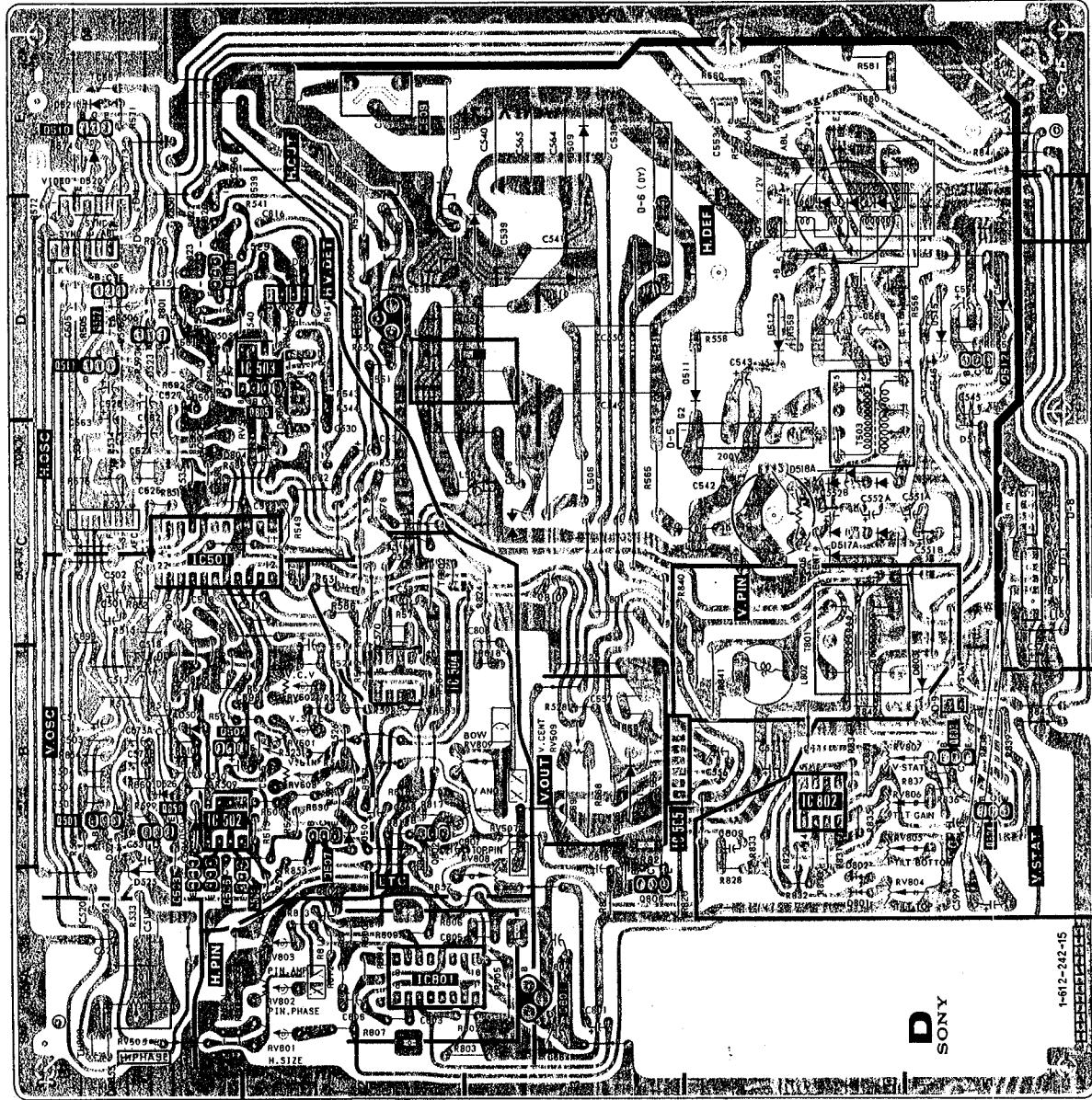
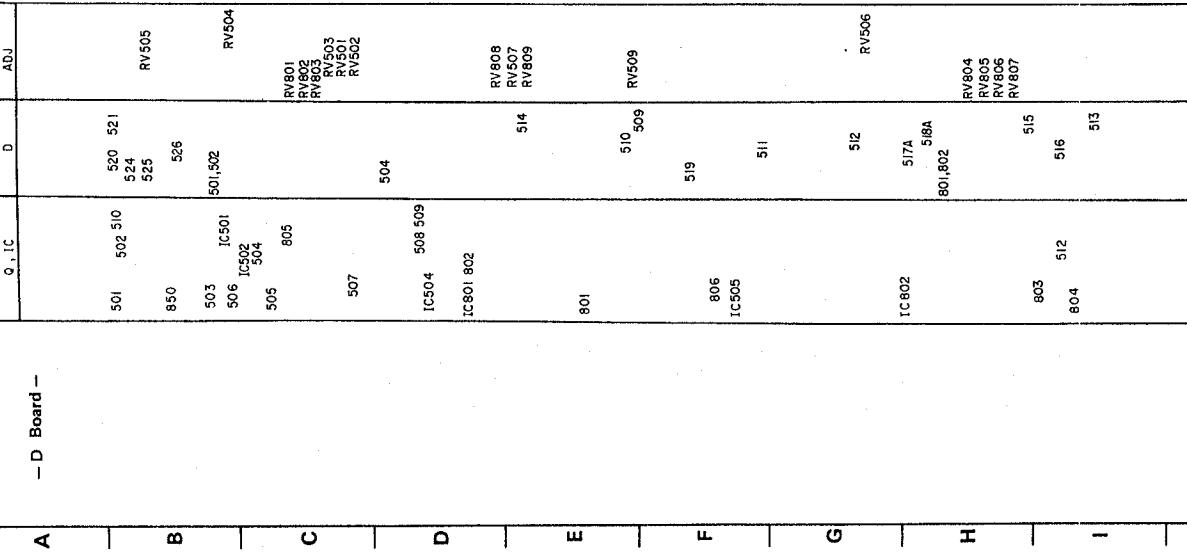
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PVM-2010QM PVM-2010QM

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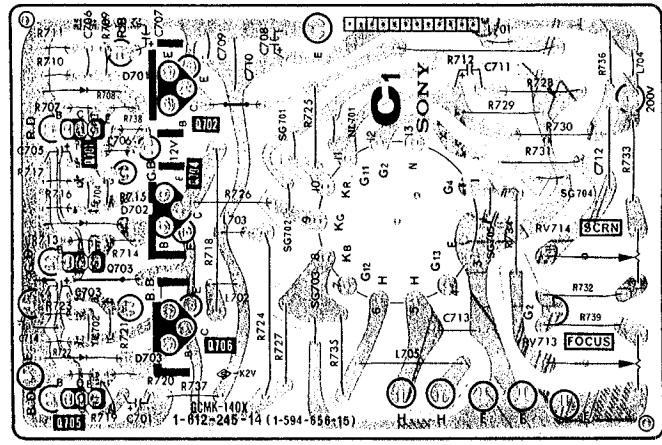


PVM-2010QM PVM-2010QM

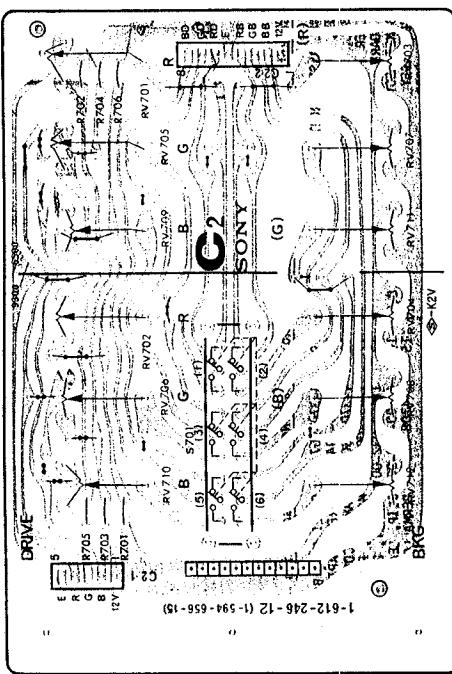
5-6. WAVEFORMS

[R.G.B DRIVE,  
[R.G.B BKG

[B.G.B OUT]



—C2 Board ...



**PV**

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Q BOARD	
(1) 1.8Vp-p(H)	(26) PAL 6Vp-p(H)
(22) 1.1Vp-p(H)	(26) SECAM 7.5Vp-p(H)
(23) 9Vp-p(H)	(26) NTSC 3.58,4.43 3.6Vp-p(H)(3.58) 4.4Vp-p(H)(4.43)
(24) PAL 6Vp-p(H)	(27) NTSC 3.58,4.43 3.6Vp-p(H)(3.58) 4.4Vp-p(H)(4.43)
(24) SECAM 6Vp-p(H)	(31) PAL, SECAM NTSC 3.58,4.43 2.8Vp-p(H)(PAL) 2.4Vp-p(H)(SECAM) 2.8Vp-p(H)(NTSC 3.58) 2.8Vp-p(H)(NTSC 4.43)
(24) NTSC 3.58,4.43 3.5Vp-p(H)(NTSC 3.58) 4.4Vp-p(H)(NTSC 4.43)	(33) PAL 5.6Vp-p(H)
(25) PAL 6Vp-p(H)	(33) SECAM 6Vp-p(H)
(25) NTSC 3.58 5.6Vp-p(H)	(33) NTSC 3.58,4.43 0.44Vp-p(H)(3.58) 0.46Vp-p(H)(4.43)
(25) NTSC 4.43 4.4Vp-p(H)	(34) PAL 2.4Vp-p(H)

D BOARD	
(35) PAL 1.5Vp-p(H)	(43) SECAM 3.2Vp-p(V)
(35) SECAM 1.6Vp-p(H)	(44) PAL 1.4Vp-p(H)
(35) NTSC 3.58,4.43 1.6Vp-p(H)	(45) SECAM 4.4Vp-p(H)
(36) NTSC 3.58,4.43 9Vp-p(H)	(46) NTSC 3.58,4.43 10Vp-p(H)
(37) SECAM 9Vp-p(H)	(47) PAL 9.0Vp-p(H)
(38) SECAM 8.0Vp-p(H)	(48) SECAM 5.0Vp-p(V)
(39) PAL 8.0Vp-p(H)	(49) NTSC 3.58,4.43 2.4Vp-p(H)
(39) NTSC 3.58,4.43 8.0Vp-p(H)	(50) PAL 9.0Vp-p(H)
(40) SECAM 8.0Vp-p(H)	(51) SECAM 0.7Vp-p(V)
(41) PAL 2.6Vp-p(V)	(52) SECAM 0.35Vp-p(V)
(42) SECAM 6Vp-p(H)	(53) PAL 10Vp-p(H)
(42) NTSC 3.58 5.6Vp-p(H)	(53) NTSC 3.58,4.43 1.0Vp-p(H)

C1 BOARD	
(59) 1.8Vp-p(H)	(63) 3.0Vp-p(H)
(60) PAL 9.0Vp-p(H)	(64) SECAM 11.5Vp-p(H)
(61) SECAM 11.5Vp-p(H)	(65) NTSC 3.58,4.43 10Vp-p(H)
(62) SECAM 10.5Vp-p(H)	(66) PAL 11.0Vp-p(H)
(63) NTSC 3.58,4.43 10.5Vp-p(H)	(67) SECAM 10.5Vp-p(H)
(64) PAL 11.0Vp-p(H)	(68) NTSC 3.58,4.43 11.0Vp-p(H)

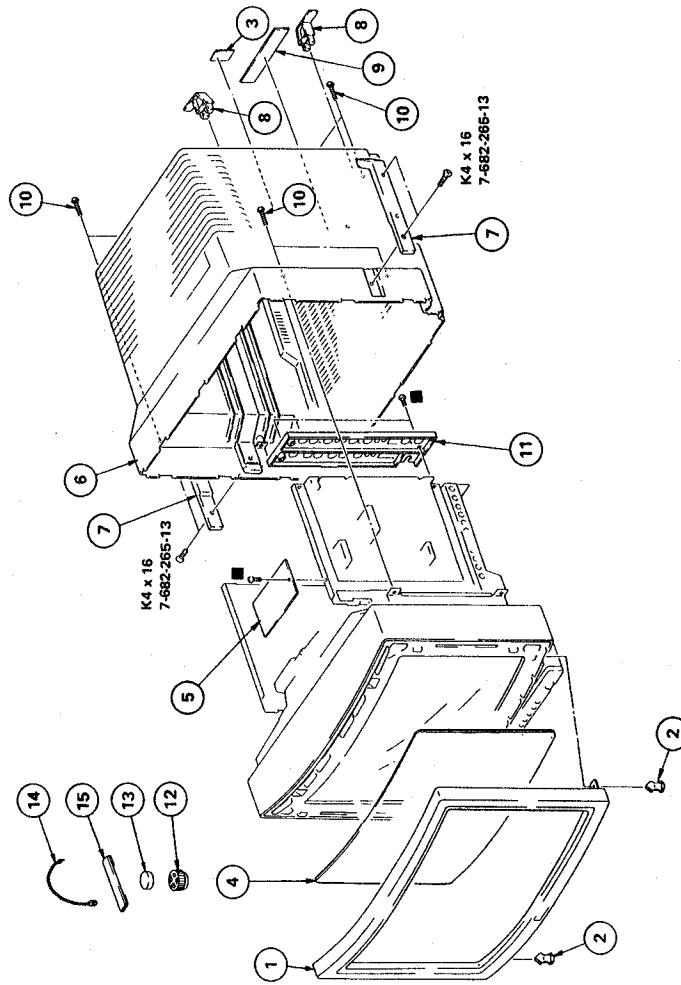
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## SECTION 6 EXPLODED VIEWS

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

### (1) CABINET ASSY

■ TA, BV3x8 7-685-646-79

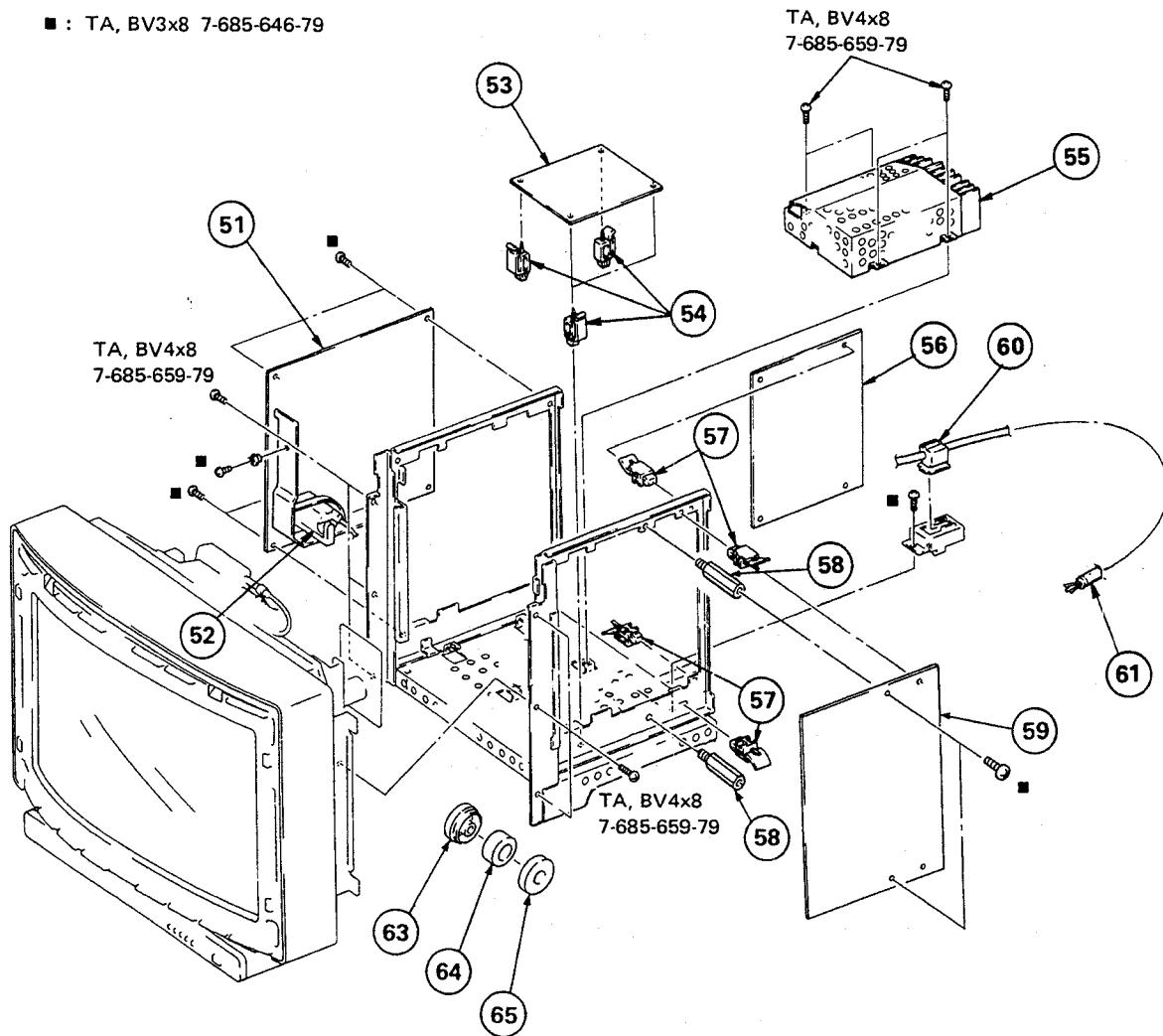


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No.	Part No.	Description	Part No.	Description	Remark
1	X-370-904-1	PANE, ASSY, FRONT	9	4-370-901-01	SHEET (B), B-IND
2	4-370-920-01	C.LIP, PANE,	10	4-304-494-21	SCREW, TAPPING, *PM4X16
3	*4-365-314-01	ABST, MODE, NUMBER	11	4-370-940-01	PANE, CONNECTOR
4	4-370-925-01	FILTER	12	1-432-094-00	MAGNET, ROTATABLE DISK; 15MM Ø
5	*1-612-246-11	C2 BOARD	13	1-432-032-00	MAGNET, DISK, 10MM Ø
6	X-4370-903-1	CABINET ASSY	14	4-308-870-00	C.LIP, LEAD WIRE
7	X-4370-906-1	HANDLE ASSY	15	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE
8	4-316-003-00	HOLDER, CORD			

## (2) CHASSIS ASS'Y

■ : TA, BV3x8 7-685-646-79

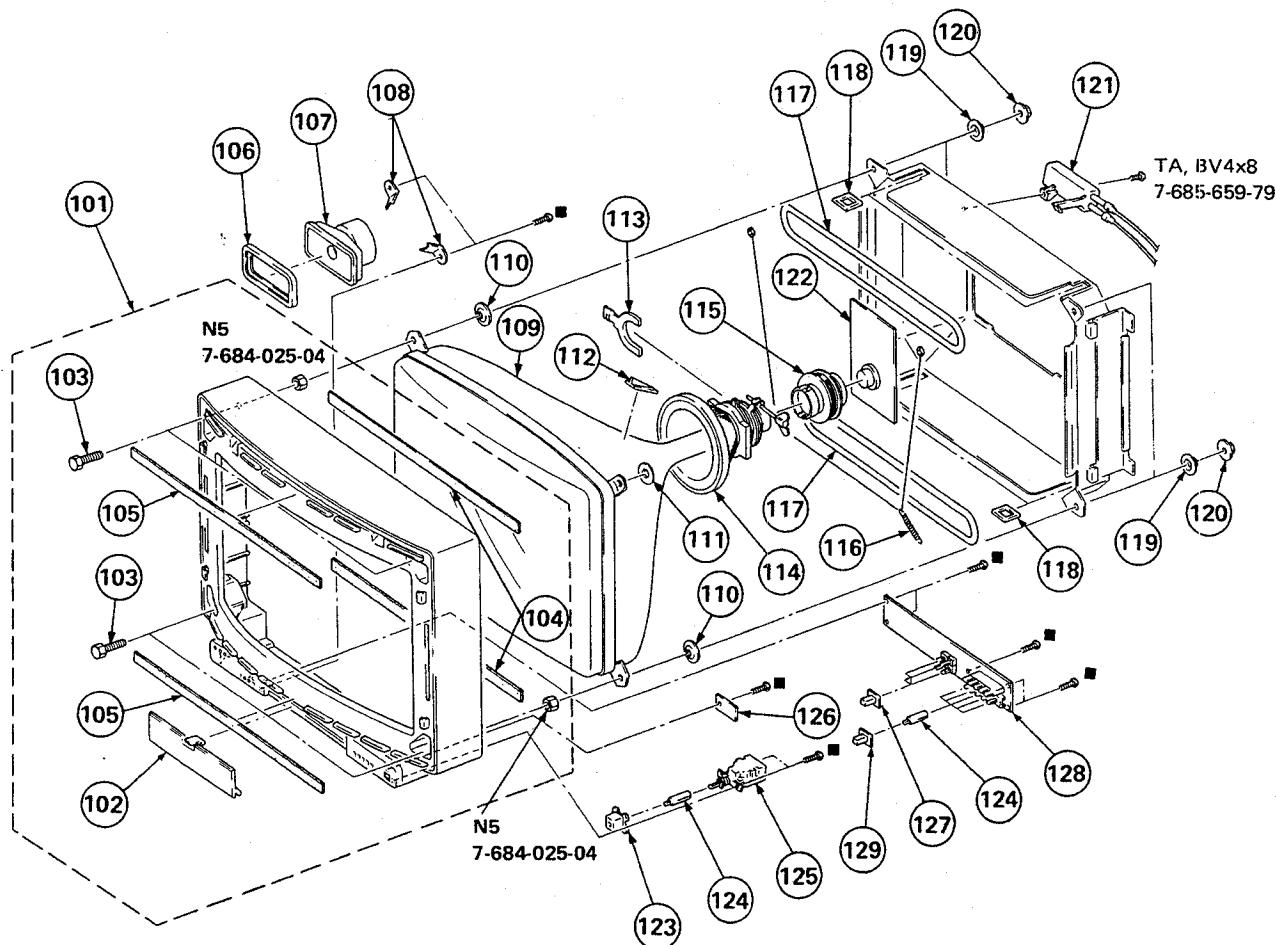


No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	*A-1345-455-A	D BOARD, COMPLETE		59	*A-1135-239-A	B BOARD, COMPLETE	126,128
52	△1-439-322-12	TRANSFORMER ASSY, FLYBACK		60	△*4-364-745-01	BUSHING, AC CORD	
53	*1-612-243-11	F BOARD		61	△1-534-820-13	POWER CORD	
54	*3-659-681-00	HOLDER, PC BOARD		63	1-543-179-00	CORE, RING	
55	△1-413-179-11	SWITCHING REGULATOR (TK-09)		64	*4-361-124-01	COVER (A), CORE	
56	*A-1275-050-A	Q BOARD, COMPLETE		65	*4-361-125-01	COVER (B), CORE	
57	*3-703-141-00	HOLDER, PCB					
58	*3-670-570-41	SPACER, SUPPORT					

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

## (3) BEZEL ASSY

■ : TA, BV3x12 7-685-648-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	X-4363-306-1	BÉZEL ASSY	102, 103, 104, 105	115	△1-452-337-11	NECK ASSY, CRT (NA304)	
102	X-4370-907-1	DOOR ASSY		116	4-303-774-XX	SPRING	
103	3-703-025-12	BO'LT M5, HEXAGON-HEAD		117	△1-426-087-42	COIL, DEGAUSSING	
104	4-304-087-02	CUSHION, (A) PICTURE TUBE		118	*4-322-922-00	HOLDER, COIL, DEGAUSSER	
105	4-312-539-00	CUSHION (A), BEZEL		119	4-026-534-00	WASHER, POSITION	
106	*4-364-741-00	CUSHION, SPEAKER		120	4-306-034-00	FLANGE NUT, (B) 5MM	
107	1-503-109-00	SPEAKER		121	△1-228-482-14	RESISTOR ASSY HIGH-VO'TAGE	
108	*4-321-611-00	CLAW, RETAINING, SPEAKER		122	*A-1330-507-A	C1 BOARD, COMPLETE	
109	△8-737-251-05	PICTURE TUBE (A49JHT00X)		123	4-346-409-11	BUTTON, POWER	
110	4-373-615-02	WASHER, CRT POSITIONING		124	*4-370-903-01	SHAFT, BUTTON	
111	4-801-003-00	WASHER, FLAT (DIA. 16)		125	△1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)	
112	3-703-961-01	SPACER, DY		126	*1-612-249-11	X BOARD	
113	1-452-146-00	BMC MAGNET		127	4-369-627-01	PUSH BUTTON	
114	△1-451-204-63	DEFLECTION YOKE (SY-108B)		128	*1-612-248-11	H BOARD	
				129	4-349-408-00	PUSH BUTTON	

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

## SECTION 7

### ELECTRICAL PARTS LIST

**B**

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.

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

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- CAPACITORS MF :  $\mu$ F, PF :  $\mu$ PF
- RESISTORS All resistors are in ohms F : nonflammable
- COILS MMH : mH, UH :  $\mu$ H

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*A-1135-239-A	B BOARD, COMPLETE		C103	1-102-961-00	CERAMIC	27PF 5% 50V
	*****	*****		C104	1-102-973-00	CERAMIC	100PF 5% 50V
	*3-538-178-00	HEAT SINK		C105	1-123-356-00	ELECT	10MF 20% 16V
	*4-323-833-00	HEAT SINK, PIN OUT		C106	1-123-356-00	ELECT	10MF 20% 25V
				C107	1-102-978-00	CERAMIC	220PF 5% 50V
				C108	1-123-356-00	ELECT	10MF 20% 16V
				C109	1-102-959-00	CERAMIC	22PF 5% 50V
				C110	1-102-961-00	CERAMIC	27PF 5% 50V
				C111	1-101-888-00	CERAMIC	68PF 5% 50V
				C112	1-102-971-00	CERAMIC	82PF 5% 50V
B1	*1-560-124-00	PUG, CONNECTOR (2.5MM) 4P		C113	1-102-978-00	CERAMIC	220PF 5% 50V
B2	*1-560-224-00	PUG, CONNECTOR (2.5MM) 10P		C114	1-123-332-00	ELECT	47MF 20% 16V
B3	*1-560-124-00	PUG, CONNECTOR (2.5MM) 4P		C115	1-123-356-00	ELECT	10MF 20% 16V
B4	*1-560-126-00	PUG, CONNECTOR (2.5MM) 6P		C117	1-123-356-00	ELECT	10MF 20% 25V
B5	*1-560-156-00	PUG, CONNECTOR (2.5MM PITCH)		C119	1-102-944-00	CERAMIC	7PF 0.5PF 50V
B6	*1-560-290-00	PUG, CONNECTOR (2.5MM PITCH)		C120	1-102-944-00	CERAMIC	7PF 0.5PF 50V
B7	*1-560-125-00	PUG, CONNECTOR (2.5MM) 5P		C121	1-102-944-00	CERAMIC	7PF 0.5PF 50V
B8	*1-560-124-00	PUG, CONNECTOR (2.5MM) 4P		C122	1-102-944-00	CERAMIC	7PF 0.5PF 50V
				C123	1-123-380-00	ELECT	1MF 20% 50V
				C124	1-123-356-00	ELECT	10MF 20% 25V
				C127	1-101-004-00	CERAMIC	0.01MF 50V
				C128	1-123-380-00	ELECT	1MF 20% 50V
				C129	1-123-379-00	ELECT	0.47MF 20% 50V
				C130	1-123-380-00	ELECT	1MF 20% 50V
				C131	1-106-220-00	MYLAR	0.1MF 10% 100V
				C132	1-106-220-00	MYLAR	0.1MF 10% 100V
				C133	1-123-332-00	ELECT	47MF 16V
				C134	1-101-880-00	CERAMIC	47PF 5% 50V
				C135	1-101-004-00	CERAMIC	0.01MF 50V
				C136	1-101-880-00	CERAMIC	47PF 5% 50V
				C137	1-102-959-00	CERAMIC	22PF 5% 50V
				C138	1-101-004-00	CERAMIC	0.01MF 50V
				C139	1-130-483-00	MYLAR	0.01MF 5% 50V
				C140	1-123-381-00	ELECT	2.2MF 20% 50V
				C141	1-161-772-11	CERAMIC	0.1MF 10% 25V
				C142	1-161-772-11	CERAMIC	0.1MF 10% 25V
				C143	1-101-880-00	CERAMIC	47PF 5% 50V
				C144	1-101-880-00	CERAMIC	47PF 5% 50V
				C145	1-102-934-00	CERAMIC	1PF 0.25PF 50V
				C146	1-102-963-00	CERAMIC	33PF 5% 50V
				C147	1-101-004-00	CERAMIC	0.01MF 50V
				C148	1-123-356-00	ELECT	10MF 20% 25V
				C150	1-101-004-00	CERAMIC	0.01MF 50V
				C151	1-101-004-00	CERAMIC	0.01MF 50V
				C152	1-101-004-00	CERAMIC	0.01MF 50V
				C153	1-106-375-12	MYLAR	0.022MF 10% 100V
				C155	1-102-946-00	CERAMIC	9PF 0.5PF 50V
				C157	1-123-380-00	ELECT	1MF 20% 50V
				C158	1-123-382-00	ELECT	3.3MF 20% 50V
				C159	1-124-049-00	ELECT	0.47MF 20% 50V
				C160	1-102-115-00	CERAMIC	560PF 10% 50V
				C161	1-102-971-00	CERAMIC	82PF 5% 50V
				C162	1-101-361-00	CERAMIC	150PF 5% 50V
C102	1-123-356-00	ELECT	10MF 20% 25V				

**B**

<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>				
C163	1-102-971-00	CERAMIC	82PF	5%	50V	C233	1-123-379-00	ELECT	0.47MF	20%	50V
C164	1-121-257-00	ELECT	4.7MF		16V	C234	1-106-367-00	MY_AR	0.01MF	10%	100V
C165	1-101-361-00	CERAMIC	150PF	5%	50V	C235	1-123-321-00	ELECT	220MF	20%	16V
C166	1-101-888-00	CERAMIC	68PF	5%	50V	C236	1-101-004-00	CERAMIC	0.01MF	50V	
C167	1-101-006-00	CERAMIC	0.047MF		50V	C237	1-161-330-00	CERAMIC	0.01MF	30%	25V
C169	1-106-220-00	MY_AR	0.1MF	10%	100V	C238	1-123-332-00	ELECT	47MF	20%	16V
C170	1-123-380-00	ELECT	1MF	20%	50V	C239	1-101-004-00	CERAMIC	0.01MF	50V	
C172	1-101-888-00	CERAMIC	68PF	5%	50V	C240	1-102-959-00	CERAMIC	22PF	5%	50V
C173	1-106-359-00	MY_AR	0.0047MF	10%	100V	C241	1-102-959-00	CERAMIC	22PF	5%	50V
C175	1-101-361-00	CERAMIC	150PF	5%	50V	C242	1-123-356-00	ELECT	10MF	20%	25V
C176	1-102-951-00	CERAMIC	15PF	5%	50V	C243	1-101-004-00	CERAMIC	0.01MF	50V	
C177	1-101-888-00	CERAMIC	68PF	5%	50V	C244	1-101-004-00	CERAMIC	0.01MF	50V	
C178	1-123-356-00	ELECT	10MF	20%	25V	C245	1-101-004-00	CERAMIC	0.01MF	50V	
C179	1-101-004-00	CERAMIC	0.01MF		50V	C343	1-101-004-00	CERAMIC	0.01MF	50V	
C180	1-123-324-00	ELECT	1000MF	20%	16V						
								<u>DIODE</u>			
C183	1-123-379-00	ELECT	0.47MF	20%	50V	D001	8-719-911-19	DIODE	ISS119		
C184	1-123-356-00	ELECT	10MF	20%	25V	D002	8-719-911-19	DIODE	ISS119		
C186	1-123-356-00	ELECT	10MF	20%	25V	D003	8-719-911-19	DIODE	ISS119		
C187	1-101-004-00	CERAMIC	0.01MF		50V	D004	8-719-911-19	DIODE	ISS119		
C188	1-123-356-00	ELECT	10MF	20%	25V	D005	8-719-911-19	DIODE	ISS119		
C189	1-123-356-00	ELECT	10MF	20%	25V						
C190	1-123-356-00	ELECT	10MF	20%	25V	D006	8-719-200-02	DIODE	10E2		
C191	1-123-323-00	ELECT	470MF	20%	16V	D007	8-719-911-19	DIODE	ISS119		
C200	1-124-463-00	ELECT	0.1MF	20%	50V	D008	8-719-200-02	DIODE	10E2		
C201	1-124-463-00	ELECT	0.1MF	20%	50V	D010	8-719-911-19	DIODE	ISS119		
C202	1-124-463-00	ELECT	0.1MF	20%	50V	D012	8-719-911-19	DIODE	ISS119		
C203	1-121-257-00	ELECT	4.7MF		16V	D013	8-719-908-06	DIODE	ERA81-005		
C204	1-123-381-00	ELECT	2.2MF	20%	50V	D014	8-719-911-19	DIODE	ISS119		
C205	1-101-888-00	CERAMIC	68PF	5%	50V	D015	8-719-911-19	DIODE	ISS119		
C206	1-102-892-00	CERAMIC	22PF	5%	50V	D016	8-719-911-19	DIODE	ISS119		
C207	1-102-679-00	CERAMIC	120PF	5%	50V	D017	8-719-911-19	DIODE	ISS119		
C208	1-101-880-00	CERAMIC	47PF	5%	50V	D018	8-719-911-19	DIODE	ISS119		
C209	1-102-971-00	CERAMIC	82PF	5%	50V	D019	8-719-911-19	DIODE	ISS119		
C210	1-101-361-00	CERAMIC	150PF	5%	50V	D010	8-719-911-19	DIODE	ISS119		
C211	1-106-367-00	MY_AR	0.01MF	10%	100V	D011	8-719-911-19	DIODE	ISS119		
C212	1-123-356-00	ELECT	10MF	20%	25V	D012	8-719-911-19	DIODE	ISS119		
C213	1-101-004-00	CERAMIC	0.01MF		50V	D013	8-719-911-19	DIODE	ISS119		
C214	1-130-483-00	MY_AR	0.01MF	5%	50V	D014	8-719-911-19	DIODE	ISS119		
C215	1-102-892-00	CERAMIC	22PF	5%	50V	D015	8-719-911-19	DIODE	ISS119		
C216	1-102-824-00	CERAMIC	470PF	5%	50V	D016	8-719-911-19	DIODE	ISS119		
C217	1-123-356-00	ELECT	10MF	20%	25V	D017	8-719-911-19	DIODE	ISS119		
C220	1-123-326-00	ELECT	3300MF	20%	16V	D018	8-719-911-19	DIODE	ISS119		
C221	1-106-220-00	MY_AR	0.1MF	10%	100V	D019	8-719-911-19	DIODE	ISS119		
C223	1-123-332-00	ELECT	47MF	20%	16V	D020	8-719-911-19	DIODE	ISS119		
C224	1-123-369-00	ELECT	4.7MF	20%	25V	D021	8-719-911-19	DIODE	ISS119		
C225	1-123-380-00	ELECT	1MF	20%	50V	D022	8-719-911-19	DIODE	ISS119		
C226	1-102-121-00	CERAMIC	0.0022MF	10%	50V	D023	8-719-911-19	DIODE	ISS119		
C227	1-130-491-00	MY_AR	0.047MF	5%	50V	D024	8-719-100-38	DIODE	RD6.2E-B2		
C228	1-123-332-00	ELECT	47MF	20%	25V	D025	8-719-911-19	DIODE	ISS119		
C229	1-123-380-00	ELECT	1MF	20%	50V	D026	8-719-911-19	DIODE	ISS119		
C230	1-102-121-00	CERAMIC	0.0022MF	10%	50V						
C231	1-123-356-00	ELECT	10MF	20%	16V						
C232	1-123-356-00	ELECT	10MF	20%	16V	D101	1-415-280-00	DELAY LINE	(1H)		

**B**

<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>
D_102	1-415-188-00	DELAY LINE		Q104	8-729-178-54	TRANSISTOR 2SC2785	
D_103	1-415-122-31	DELAY LINE, 1H (PAI)		Q105	8-729-178-54	TRANSISTOR 2SC2785	
		<u>IC</u>		Q106	8-729-178-54	TRANSISTOR 2SC2785	
IC001	8-759-700-06	IC NJM7812B		Q107	8-729-178-54	TRANSISTOR 2SC2785	
IC101	8-752-006-10	IC CX20061		Q108	8-729-178-54	TRANSISTOR 2SC2785	
IC102	8-752-006-10	IC CX20061		Q109	8-729-117-54	TRANSISTOR 2SA1175	
IC103	8-759-113-65	IC UPC1365C		Q110	8-729-178-54	TRANSISTOR 2SC2785	
IC104	8-759-240-24	IC TC4024BP		Q111	8-729-178-54	TRANSISTOR 2SC2785	
IC105	8-759-240-23	IC TC4023BP		Q113	8-729-178-54	TRANSISTOR 2SC2785	
IC201	8-759-100-15	IC UPC1364C		Q116	8-729-117-54	TRANSISTOR 2SA1175	
IC202	8-759-101-77	IC UPC1241H		Q117	8-729-178-54	TRANSISTOR 2SC2785	
IC203	8-759-610-95	IC CX095E		Q118	8-729-178-54	TRANSISTOR 2SC2785	
		<u>JACK</u>		Q120	8-729-178-54	TRANSISTOR 2SC2785	
J1	1-562-121-00	CONNECTOR, DIN 6P		Q121	8-729-117-54	TRANSISTOR 2SA1175	
J2	1-536-842-11	TERMINAL BOARD, INPUT/OUTPUT(A)		Q122	8-729-178-54	TRANSISTOR 2SC2785	
		<u>COIL</u>		Q123	8-729-178-54	TRANSISTOR 2SC2785	
L101	1-408-412-00	MICRO INDUCTOR 18UH		Q124	8-769-200-30	TRANSISTOR 2SK107-3	
L102	1-408-412-00	MICRO INDUCTOR 18UH		Q125	8-729-178-54	TRANSISTOR 2SC2785	
L103	1-408-411-00	MICRO INDUCTOR 15UH		Q126	8-729-115-30	TRANSISTOR 2SK105A-30	
L104	1-408-414-00	MICRO INDUCTOR 27UH		Q127	8-729-115-30	TRANSISTOR 2SK105A-30	
L105	1-408-414-00	MICRO INDUCTOR 27UH		Q128	8-729-115-30	TRANSISTOR 2SK105A-30	
L106	1-408-409-00	MICRO INDUCTOR 10UH		Q129	8-729-178-54	TRANSISTOR 2SC2785	
L107	1-408-407-00	MICRO INDUCTOR 6.8UH		Q130	8-729-178-54	TRANSISTOR 2SC2785	
L108	1-408-416-00	MICRO INDUCTOR 39UH		Q131	8-729-115-30	TRANSISTOR 2SK105A-30	
L110	1-408-412-00	MICRO INDUCTOR 18UH		Q132	8-729-115-30	TRANSISTOR 2SK105A-30	
L111	1-408-406-00	MICRO INDUCTOR 5.6UH		Q133	8-729-178-54	TRANSISTOR 2SC2785	
L112	1-408-408-00	MICRO INDUCTOR 8.2UH		Q135	8-729-117-54	TRANSISTOR 2SA1175	
L113	1-408-415-00	MICRO INDUCTOR 33UH		Q136	8-729-117-54	TRANSISTOR 2SA1175	
L201	1-408-245-00	MICRO INDUCTOR 22MMH		Q137	8-729-117-54	TRANSISTOR 2SA1175	
L202	1-408-163-00	MICRO INDUCTOR 5.6MMH		Q138	8-729-117-54	TRANSISTOR 2SA1175	
L203	1-408-414-00	MICRO INDUCTOR 27UH		Q139	8-729-178-54	TRANSISTOR 2SC2785	
L204	1-408-421-00	MICRO INDUCTOR 100UH		Q140	8-729-117-54	TRANSISTOR 2SA1175	
		<u>TRANSISTOR</u>		Q141	8-729-117-54	TRANSISTOR 2SA1175	
Q001	8-729-178-54	TRANSISTOR 2SC2785		Q142	8-729-117-54	TRANSISTOR 2SA1175	
Q002	8-729-117-54	TRANSISTOR 2SA1175		Q143	8-729-117-54	TRANSISTOR 2SA1175	
Q003	8-729-117-54	TRANSISTOR 2SA1175		Q144	8-729-178-54	TRANSISTOR 2SC2785	
Q004	8-729-117-54	TRANSISTOR 2SA1175		Q145	8-729-178-54	TRANSISTOR 2SC2785	
Q005	8-729-178-54	TRANSISTOR 2SC2785		Q148	8-729-178-54	TRANSISTOR 2SC2785	
Q006	8-729-117-54	TRANSISTOR 2SA1175		Q149	8-729-117-54	TRANSISTOR 2SA1175	
Q007	8-729-117-54	TRANSISTOR 2SA1175		Q150	8-729-117-54	TRANSISTOR 2SA1175	
Q008	8-729-178-54	TRANSISTOR 2SC2785		Q151	8-729-178-54	TRANSISTOR 2SC2785	
Q009	8-729-117-54	TRANSISTOR 2SA1175		Q152	8-729-178-54	TRANSISTOR 2SC2785	
Q010	8-729-178-54	TRANSISTOR 2SC2785		Q153	8-729-178-54	TRANSISTOR 2SC2785	
Q011	8-729-178-54	TRANSISTOR 2SC2785		Q154	8-729-178-54	TRANSISTOR 2SC2785	
Q012	8-729-117-54	TRANSISTOR 2SA1175		Q155	8-729-178-54	TRANSISTOR 2SC2785	
Q101	8-729-178-54	TRANSISTOR 2SC2785		Q156	8-729-178-54	TRANSISTOR 2SC2785	
Q102	8-729-178-54	TRANSISTOR 2SC2785		Q157	8-729-178-54	TRANSISTOR 2SC2785	
Q103	8-729-178-54	TRANSISTOR 2SC2785		Q158	8-769-200-30	TRANSISTOR 2SK107-3	
				Q159	8-729-117-54	TRANSISTOR 2SA1175	
		<u>RESISTOR</u>					
				JW5	1-247-717-11	CARBON	2.2K 5% 1/4W
				R002	1-249-417-11	CARBON	1K 5% 1/6W

For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
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 Email:- [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)

**B**

<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>
R003	1-249-434-11	CARBON	27K 5% 1/6W	R102	1-249-409-11	CARBON	220 5% 1/6W
R004	1-249-424-11	CARBON	3.9K 5% 1/6W	R103	1-249-418-11	CARBON	1.2K 5% 1/6W
R005	1-249-421-11	CARBON	2.2K 5% 1/6W	R104	1-249-411-11	CARBON	330 5% 1/6W
R006	1-249-439-11	CARBON	68K 5% 1/6W	R105	1-249-415-11	CARBON	680 5% 1/6W
R007	1-249-433-11	CARBON	22K 5% 1/6W	R106	1-249-423-11	CARBON	3.3K 5% 1/6W
R009	1-215-440-00	CARBON	6.2K 5% 1/6W	R107	1-249-426-11	CARBON	5.6K 5% 1/6W
R010	1-215-440-00	CARBON	6.2K 5% 1/6W	R108	1-249-429-11	CARBON	10K 5% 1/6W
R011	1-215-440-00	CARBON	6.2K 5% 1/6W	R109	1-249-413-11	CARBON	470 5% 1/6W
R012	1-249-437-11	CARBON	47K 5% 1/6W	R110	1-249-413-11	CARBON	470 5% 1/6W
R013	1-249-440-11	CARBON	82K 5% 1/6W	R111	1-249-421-11	CARBON	2.2K 5% 1/6W
R014	1-247-885-00	CARBON	180K 5% 1/6W	R112	1-249-415-11	CARBON	680 5% 1/6W
R015	1-249-438-11	CARBON	56K 5% 1/6W	R113	1-249-410-11	CARBON	270 5% 1/6W
R016	1-249-417-11	CARBON	1K 5% 1/6W	R114	1-249-415-11	CARBON	680 5% 1/6W
R017	1-215-394-00	CARBON	75 5% 1/6W	R115	1-249-419-11	CARBON	1.5K 5% 1/6W
R019	1-215-394-00	CARBON	75 5% 1/6W	R116	1-249-403-11	CARBON	68 5% 1/6W
R020	1-249-434-11	CARBON	27K 5% 1/6W	R117	1-249-415-11	CARBON	680 5% 1/6W
R021	1-249-424-11	CARBON	3.9K 5% 1/6W	R118	1-249-415-11	CARBON	680 5% 1/6W
R022	1-249-433-11	CARBON	22K 5% 1/6W	R119	1-249-405-11	CARBON	100 5% 1/6W
R023	1-249-439-11	CARBON	68K 5% 1/6W	R120	1-249-415-11	CARBON	680 5% 1/6W
R024	1-215-440-00	CARBON	6.2K 5% 1/6W	R121	1-249-415-11	CARBON	680 5% 1/6W
R025	1-249-437-11	CARBON	47K 5% 1/6W	R122	1-249-405-11	CARBON	100 5% 1/6W
R026	1-249-438-11	CARBON	56K 5% 1/6W	R123	1-249-417-11	CARBON	1K 5% 1/6W
R027	1-249-440-11	CARBON	82K 5% 1/6W	R124	1-249-413-11	CARBON	470 5% 1/6W
R028	1-247-885-00	CARBON	180K 5% 1/6W	R125	1-249-417-11	CARBON	1K 5% 1/6W
R029	1-249-429-11	CARBON	10K 5% 1/6W	R126	1-249-405-11	CARBON	100 5% 1/6W
R030	1-247-885-00	CARBON	180K 5% 1/6W	R127	1-249-415-11	CARBON	680 5% 1/6W
R031	1-249-440-11	CARBON	82K 5% 1/6W	R128	1-247-814-00	CARBON	200 5% 1/6W
R032	1-249-437-11	CARBON	47K 5% 1/6W	R129	1-249-419-11	CARBON	1.5K 5% 1/6W
R033	1-249-433-11	CARBON	22K 5% 1/6W	R130	1-249-415-11	CARBON	680 5% 1/6W
R034	1-249-439-11	CARBON	68K 5% 1/6W	R131	1-249-413-11	CARBON	470 5% 1/6W
R035	1-249-417-11	CARBON	1K 5% 1/6W	R132	1-249-420-11	CARBON	1.8K 5% 1/6W
R036	1-215-394-00	CARBON	75 5% 1/6W	R133	1-249-401-11	CARBON	47 5% 1/6W
R037	1-249-434-11	CARBON	27K 5% 1/6W	R135	1-249-409-11	CARBON	220 5% 1/6W
R038	1-249-424-11	CARBON	3.9K 5% 1/6W	R136	1-249-421-11	CARBON	2.2K 5% 1/6W
R039	1-215-440-00	CARBON	6.2K 5% 1/6W	R137	1-249-432-11	CARBON	18K 5% 1/6W
R040	1-249-439-11	CARBON	68K 5% 1/6W	R138	1-249-423-11	CARBON	3.3K 5% 1/6W
R041	1-215-394-00	CARBON	75 5% 1/6W	R139	1-249-429-11	CARBON	10K 5% 1/6W
R042	1-249-434-11	CARBON	27K 5% 1/6W	R140	1-249-433-11	CARBON	22K 5% 1/6W
R043	1-215-468-00	CARBON	91K 5% 1/6W	R141	1-249-433-11	CARBON	22K 5% 1/6W
R045	1-249-429-11	CARBON	10K 5% 1/6W	R143	1-249-405-11	CARBON	100 5% 1/6W
R046	1-249-428-11	CARBON	8.2K 5% 1/6W	R144	1-249-433-11	CARBON	22K 5% 1/6W
R049	1-249-438-11	CARBON	56K 5% 1/6W	R145	1-249-433-11	CARBON	22K 5% 1/6W
R051	1-249-421-11	CARBON	2.2K 5% 1/6W	R147	1-249-419-11	CARBON	1.5K 5% 1/6W
R052	1-249-413-11	CARBON	470 5% 1/6W	R148	1-249-419-11	CARBON	1.5K 5% 1/6W
R053	1-249-437-11	CARBON	47K 5% 1/6W	R149	1-249-433-11	CARBON	22K 5% 1/6W
R054	1-249-437-11	CARBON	47K 5% 1/6W	R150	1-249-416-11	CARBON	820 5% 1/6W
R055	1-249-440-11	CARBON	82K 5% 1/6W	R151	1-249-413-11	CARBON	470 5% 1/6W
R056	1-249-460-11	CARBON	15K 5% 1/4W	R152	1-249-416-11	CARBON	820 5% 1/6W
R068	1-249-405-11	CARBON	100 5% 1/6W	R153	1-249-423-11	CARBON	3.3K 5% 1/6W
R070	1-246-457-00	CARBON	220 5% 1/4W	R154	1-249-433-11	CARBON	22K 5% 1/6W
R071	1-249-447-11	CARBON	1 5% 1/4W F	R155	1-249-429-11	CARBON	10K 5% 1/6W
R100	1-249-428-11	CARBON	8.2K 5% 1/6W	R156	1-249-435-11	CARBON	33K 5% 1/6W
R101	1-249-436-11	CARBON	39K 5% 1/6W	R157	1-249-435-11	CARBON	33K 5% 1/6W

**B**

<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>
R158	1-249-439-11	CARBON	68K 5% 1/6W	R218	1-249-429-11	CARBON	10K 5% 1/6W
R159	1-249-415-11	CARBON	680 5% 1/6W	R219	1-249-426-11	CARBON	5.6K 5% 1/6W
R160	1-249-436-11	CARBON	39K 5% 1/6W	R220	1-249-435-11	CARBON	33K 5% 1/6W
R161	1-249-429-11	CARBON	10K 5% 1/6W	R221	1-249-436-11	CARBON	39K 5% 1/6W
R162	1-249-437-11	CARBON	47K 5% 1/6W	R222	1-249-439-11	CARBON	68K 5% 1/6W
R165	1-215-493-00	CARBON	1M 5% 1/6W	R223	1-249-426-11	CARBON	5.6K 5% 1/6W
R167	1-249-419-11	CARBON	1.5K 5% 1/6W	R224	1-247-891-00	CARBON	330K 5% 1/6W
R168	1-249-435-11	CARBON	33K 5% 1/6W	R225	1-249-441-11	CARBON	100K 5% 1/6W
R170	1-249-431-11	CARBON	15K 5% 1/6W	R226	1-215-468-00	CARBON	91K 5% 1/6W
R171	1-249-441-11	CARBON	100K 5% 1/6W	R228	1-249-419-11	CARBON	1.5K 5% 1/6W
R173	1-249-425-11	CARBON	4.7K 5% 1/6W	R230	1-249-425-11	CARBON	4.7K 5% 1/6W
R176	1-247-887-00	CARBON	220K 5% 1/6W	R231	1-249-438-11	CARBON	56K 5% 1/6W
R177	1-249-441-11	CARBON	100K 5% 1/6W	R232	1-249-412-11	CARBON	390 5% 1/6W
R178	1-247-883-00	CARBON	150K 5% 1/6W	R233	1-249-409-11	CARBON	220 5% 1/6W
R179	1-249-439-11	CARBON	68K 5% 1/6W	R234	1-249-409-11	CARBON	220 5% 1/6W
R180	1-249-417-11	CARBON	1K 5% 1/6W	R235	1-249-413-11	CARBON	470 5% 1/6W
R181	1-249-429-11	CARBON	10K 5% 1/6W	R236	1-249-405-11	CARBON	100 5% 1/6W
R182	1-249-437-11	CARBON	47K 5% 1/6W	R237	1-249-409-11	CARBON	220 5% 1/6W
R183	1-249-423-11	CARBON	3.3K 5% 1/6W	R238	1-249-435-11	CARBON	33K 5% 1/6W
R184	1-249-418-11	CARBON	1.2K 5% 1/6W	R239	1-249-440-11	CARBON	82K 5% 1/6W
R185	1-249-440-11	CARBON	82K 5% 1/6W	R240	1-247-838-00	CARBON	2K 5% 1/6W
R186	1-249-413-11	CARBON	470 5% 1/6W	R241	1-249-433-11	CARBON	22K 5% 1/6W
R187	1-249-434-11	CARBON	27K 5% 1/6W	R242	1-215-444-00	CARBON	9.1K 5% 1/6W
R188	1-249-435-11	CARBON	33K 5% 1/6W	R243	1-249-430-11	CARBON	12K 5% 1/6W
R189	1-249-439-11	CARBON	68K 5% 1/6W	R244	1-249-423-11	CARBON	3.3K 5% 1/6W
R190	1-249-435-11	CARBON	33K 5% 1/6W	R245	1-249-426-11	CARBON	5.6K 5% 1/6W
R191	1-249-437-11	CARBON	47K 5% 1/6W	R246	1-249-429-11	CARBON	10K 5% 1/6W
R192	1-249-421-11	CARBON	2.2K 5% 1/6W	R247	1-249-431-11	CARBON	15K 5% 1/6W
R193	1-249-424-11	CARBON	3.9K 5% 1/6W	R248	1-249-421-11	CARBON	2.2K 5% 1/6W
R194	1-249-431-11	CARBON	15K 5% 1/6W	R249	1-249-437-11	CARBON	47K 5% 1/6W
R195	1-249-421-11	CARBON	2.2K 5% 1/6W	R250	1-247-885-00	CARBON	180K 5% 1/6W
R196	1-249-434-11	CARBON	27K 5% 1/6W	R251	1-249-426-11	CARBON	5.6K 5% 1/6W
R197	1-249-415-11	CARBON	680 5% 1/6W	R252	1-249-428-11	CARBON	8.2K 5% 1/6W
R198	1-249-415-11	CARBON	680 5% 1/6W	R253	1-249-423-11	CARBON	3.3K 5% 1/6W
R199	1-249-417-11	CARBON	1K 5% 1/6W	R254	1-249-429-11	CARBON	10K 5% 1/6W
R200	1-249-441-11	CARBON	100K 5% 1/6W	R255	1-249-417-11	CARBON	1K 5% 1/6W
R201	1-215-493-00	CARBON	1M 5% 1/6W	R256	1-249-428-11	CARBON	8.2K 5% 1/6W
R202	1-215-493-00	CARBON	1M 5% 1/6W	R258	1-249-421-11	CARBON	2.2K 5% 1/6W
R203	1-249-429-11	CARBON	10K 5% 1/6W	R259	1-249-428-11	CARBON	8.2K 5% 1/6W
R204	1-249-429-11	CARBON	10K 5% 1/6W	R260	1-249-439-11	CARBON	68K 5% 1/6W
R205	1-249-429-11	CARBON	10K 5% 1/6W	R261	1-249-429-11	CARBON	10K 5% 1/6W
R206	1-249-439-11	CARBON	68K 5% 1/6W	R262	1-249-441-11	CARBON	100K 5% 1/6W
R207	1-249-409-11	CARBON	220 5% 1/6W	R263	1-249-429-11	CARBON	10K 5% 1/6W
R208	1-249-429-11	CARBON	10K 5% 1/6W	R264	1-249-439-11	CARBON	68K 5% 1/6W
R209	1-249-435-11	CARBON	33K 5% 1/6W	R265	1-249-429-11	CARBON	10K 5% 1/6W
R210	1-249-409-11	CARBON	220 5% 1/6W	R266	1-249-429-11	CARBON	10K 5% 1/6W
R211	1-249-409-11	CARBON	220 5% 1/6W	R267	1-249-433-11	CARBON	22K 5% 1/6W
R212	1-249-424-11	CARBON	3.9K 5% 1/6W	R268	1-249-439-11	CARBON	68K 5% 1/6W
R213	1-249-409-11	CARBON	220 5% 1/6W	R269	1-249-429-11	CARBON	10K 5% 1/6W
R214	1-249-409-11	CARBON	220 5% 1/6W	R270	1-249-415-11	CARBON	680 5% 1/6W
R215	1-249-425-11	CARBON	4.7K 5% 1/6W	R271	1-249-469-11	CARBON	100K 5% 1/4W
R216	1-249-441-11	CARBON	100K 5% 1/6W	R272	1-246-517-25	CARBON	68K 5% 1/4W
R217	1-249-441-11	CARBON	100K 5% 1/6W	R273	1-202-463-00	SO_1D	2.2M 10% 1/4W

For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
 8 Cherry Tree Rd, Chinnor  
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B

<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>
R274	1-249-465-11	CARBON	47K 5% 1/4W	R337	1-249-439-11	CARBON	68K 5% 1/6W
R275	1-249-429-11	CARBON	10K 5% 1/6W	R338	1-249-429-11	CARBON	10K 5% 1/6W
R276	1-249-431-11	CARBON	15K 5% 1/6W	R339	1-249-421-11	CARBON	2.2K 5% 1/6W
R277	1-249-416-11	CARBON	820 5% 1/6W	R340	1-249-409-11	CARBON	220 5% 1/6W
R278	1-249-426-11	CARBON	5.6K 5% 1/6W	R341	1-249-429-11	CARBON	10K 5% 1/6W
R279	1-247-726-11	CARBON	33K 5% 1/4W	R342	1-249-422-11	CARBON	2.7K 5% 1/6W
R280	1-249-437-11	CARBON	47K 5% 1/6W	R343	1-249-417-11	CARBON	1K 5% 1/6W
R281	1-249-431-11	CARBON	15K 5% 1/6W	R344	1-249-417-11	CARBON	1K 5% 1/6W
R282	1-249-421-11	CARBON	2.2K 5% 1/8W F	R345	1-249-422-11	CARBON	2.7K 5% 1/6W
R283	1-249-425-11	CARBON	4.7K 5% 1/6W	R346	1-249-422-11	CARBON	2.7K 5% 1/6W
R284	1-249-428-11	CARBON	8.2K 5% 1/6W	R347	1-249-424-11	CARBON	3.9K 5% 1/6W
R285	1-249-423-11	CARBON	3.3K 5% 1/6W	R348	1-249-430-11	CARBON	12K 5% 1/6W
R286	1-249-423-11	CARBON	3.3K 5% 1/6W	R349	1-249-429-11	CARBON	10K 5% 1/6W
R287	1-215-493-00	CARBON	1M 5% 1/6W				
R288	1-249-441-11	CARBON	100K 5% 1/6W				
							<u>VARIABLE RESISTOR</u>
R290	1-249-429-11	CARBON	10K 5% 1/6W	RV101	1-226-845-00	RES, ADJ, CARBON 330	
R291	1-249-429-11	CARBON	10K 5% 1/6W	RV103	1-226-849-00	RES, ADJ, CARBON 3.3K	
R292	1-249-447-11	CARBON	1 5% 1/4W	RV104	1-226-852-00	RES, ADJ, CARBON 22K	
R293	1-249-422-11	CARBON	2.7K 5% 1/6W	RV105	1-226-852-00	RES, ADJ, CARBON 22K	
R294	1-249-405-11	CARBON	100 5% 1/6W	RV106	1-226-849-00	RES, ADJ, CARBON 3.3K	
R295	1-249-425-11	CARBON	4.7K 5% 1/6W	RV107	1-226-724-00	RES, ADJ, CARBON 10K	
R296	1-249-469-11	CARBON	100K 5% 1/4W	RV108	1-226-850-00	RES, ADJ, CARBON 4.7K	
R297	1-249-437-11	CARBON	47K 5% 1/6W	RV109	1-226-850-00	RES, ADJ, CARBON 4.7K	
R298	1-249-437-11	CARBON	47K 5% 1/6W	RV110	1-226-846-00	RES, ADJ, CARBON 470	
R299	1-249-413-11	CARBON	470 5% 1/6W	RV111	1-226-853-00	RES, ADJ, CARBON 47K	
R301	1-247-658-00	CARBON	47 5% 1/4W F				<u>SWITCH</u>
R302	1-249-437-11	CARBON	47K 5% 1/6W	S1	1-553-725-00	SWITCH, S-LIDE	
R303	1-249-417-11	CARBON	1K 5% 1/6W	S2	1-553-725-00	SWITCH, S-LIDE	
R304	1-249-417-11	CARBON	1K 5% 1/6W	S3	1-553-725-00	SWITCH, S-LIDE	
R305	1-249-417-11	CARBON	1K 5% 1/6W				
R306	1-247-883-00	CARBON	150K 5% 1/6W				<u>TRANSFORMER</u>
R307	1-249-411-11	CARBON	330 5% 1/6W	T101	1-408-513-00	COIL (VARIABLE)	
R308	1-249-434-11	CARBON	27K 5% 1/6W	T102	1-409-193-00	COIL 3.58MHZ TRAP	
R309	1-249-409-11	CARBON	220 5% 1/6W	T103	1-409-193-00	COIL 3.58MHZ TRAP	
R310	1-249-423-11	CARBON	3.3K 5% 1/6W	T104	1-404-081-00	TRANSFORMER, DELAY ADJUST	
R311	1-215-462-00	CARBON	51K 5% 1/6W	T201	1-404-146-00	TRANSFORMER	
R312	1-249-421-11	CARBON	2.2K 5% 1/6W	T202	1-408-532-00	COIL, VARIABLE	
R313	1-249-425-11	CARBON	4.7K 5% 1/6W	T203	1-408-532-00	COIL, VARIABLE	
R314	1-249-435-11	CARBON	33K 5% 1/6W	T204	1-408-513-00	COIL (VARIABLE)	
R315	1-249-419-11	CARBON	1.5K 5% 1/6W				
R316	1-249-419-11	CARBON	1.5K 5% 1/6W				<u>THERMISTOR</u>
R317	1-247-711-11	CARBON	680 5% 1/4W				
R318	1-249-408-11	CARBON	180 5% 1/6W	TH101	1-800-070-XX	THERMISTOR TH-4700	
R319	1-249-413-11	CARBON	470 5% 1/6W	TH201	1-800-626-00	THERMISTOR	
R322	1-249-427-11	CARBON	6.8K 5% 1/6W				
R324	1-247-713-11	CARBON	1K 5% 1/4W				<u>CRYSTAL</u>
R325	1-249-429-11	CARBON	10K 5% 1/6W	X101	1-567-505-11	OSCILLATOR, CRYSTAL	
R326	1-249-424-11	CARBON	3.9K 5% 1/6W	X102	1-567-504-11	OSCILLATOR, CRYSTAL	
R328	1-247-838-00	CARBON	2K 5% 1/6W				
R329	1-249-424-11	CARBON	3.9K 5% 1/6W				
R332	1-249-438-11	CARBON	56K 5% 1/6W				
R335	1-249-437-11	CARBON	47K 5% 1/6W				
R336	1-249-433-11	CARBON	22K 5% 1/6W				



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

Q

<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>
<u>CAPACITOR</u>						<u>CONNECTOR</u>					
C402	1-123-356-00	ELECT	10MF	20%	25V	CN407	*1-562-243-00	CONNECTOR 25P			
C403	1-102-953-00	CERAMIC	18PF	5%	50V	Q1	*1-560-124-00	P'UG, CONNECTOR (2.5MM) 4P			
C405	1-123-380-00	ELECT	1MF	20%	50V	Q2	*1-560-124-00	P'UG, CONNECTOR (2.5MM) 4P			
C407	1-123-356-00	ELECT	10MF	20%	25V	Q3	*1-560-224-00	P'UG, CONNECTOR (2.5MM) 10P			
C408	1-102-953-00	CERAMIC	18PF	5%	50V	Q4	*1-560-125-00	P'UG, CONNECTOR (2.5MM) 5P			
C410	1-123-380-00	ELECT	1MF	20%	50V	Q5	*1-560-126-00	P'UG, CONNECTOR (2.5MM) 6P			
C412	1-123-356-00	ELECT	10MF	20%	25V	Q7	*1-560-128-00	P'UG, CONNECTOR (2.5MM PITCH)			
C413	1-102-953-00	CERAMIC	18PF	5%	50V	<u>DIODE</u>					
C415	1-123-380-00	ELECT	1MF	20%	50V	D401	8-719-911-19	DIODE 1SS119			
C417	1-123-332-00	ELECT	47MF	20%	25V	D402	8-719-911-19	DIODE 1SS119			
C419	1-106-383-00	MYLAR	0.047MF	10%	100V	D403	8-719-911-19	DIODE 1SS119			
C420	1-123-380-00	ELECT	1MF	20%	50V	D404	8-719-100-38	DIODE RD6.2E-B2			
C422	1-106-383-00	MYLAR	0.047MF	10%	100V	D405	8-719-100-38	DIODE RD6.2E-B2			
C423	1-123-380-00	ELECT	1MF	20%	50V	D406	8-719-100-38	DIODE RD6.2E-B2			
C424	1-123-332-00	ELECT	47MF	20%	25V	D407	8-719-100-38	DIODE RD6.2E-B2			
C426	1-123-234-00	ELECT	10MF	20%	50V	D408	8-719-911-19	DIODE 1SS119			
C428	1-123-234-00	ELECT	10MF	20%	50V	D409	8-719-911-19	DIODE 1SS119			
C430	1-123-234-00	ELECT	10MF	20%	50V	D410	8-719-911-19	DIODE 1SS119			
C432	1-123-332-00	ELECT	47MF	20%	25V	D411	8-719-911-19	DIODE 1SS119			
C433	1-123-356-00	ELECT	10MF	20%	25V	D412	8-719-911-19	DIODE 1SS119			
C434	1-102-773-00	CERAMIC	330PF	5%	50V	D414	8-719-911-19	DIODE 1SS119			
C435	1-123-332-00	ELECT	47MF	20%	25V	D415	8-719-911-19	DIODE 1SS119			
C436	1-101-006-00	CERAMIC	0.047MF			D416	8-719-911-19	DIODE 1SS119			
C437	1-123-234-00	ELECT	10MF	20%	50V	D418	8-719-100-38	DIODE RD6.2E-B2			
C438	1-123-369-00	ELECT	4.7MF	20%	25V	D419	8-719-100-38	DIODE RD6.2E-B2			
C441	1-101-006-00	CERAMIC	0.047MF		50V	D420	8-719-911-19	DIODE 1SS119			
C443	1-106-383-00	MYLAR	0.047MF	10%	100V	D422	8-719-100-38	DIODE RD6.2E-B2			
C444	1-106-367-00	MYLAR	0.01MF	10%	100V	D423	8-719-100-23	DIODE RD4.3E-B2			
C446	1-123-380-00	ELECT	1MF	20%	50V	D424	8-719-911-19	DIODE 1SS119			
C447	1-123-380-00	ELECT	1MF	20%	50V	D425	8-719-100-38	DIODE RD6.2E-B2			
C448	1-123-380-00	ELECT	1MF	20%	50V	D426	8-719-100-38	DIODE RD6.2E-B2			
C452	1-123-382-00	ELECT	3.3MF	20%	50V	D427	8-719-100-38	DIODE RD6.2E-B2			
C453	1-123-228-00	ELECT	1MF	20%	50V	D428	8-719-100-38	DIODE RD6.2E-B2			
C455	1-101-006-00	CERAMIC	0.047MF		50V	D435	8-719-911-19	DIODE 1SS119			
C457	1-102-773-00	CERAMIC	330PF	5%	50V	D436	8-719-911-19	DIODE 1SS119			
C459	1-102-773-00	CERAMIC	330PF	5%	50V	D437	8-719-911-19	DIODE 1SS119			
C461	1-102-773-00	CERAMIC	330PF	5%	50V	<u>FUSE</u>					
C463	1-123-356-00	ELECT	10MF	20%	25V	F402	▲1-532-078-11	FUSE, TIME-LAG 1A/250V			
C464	1-123-332-00	ELECT	47MF	20%	25V		1-533-087-00	HOLDER, FUSE; F402			
C466	1-123-332-00	ELECT	47MF	20%	25V	F404	▲1-532-279-11	FUSE, TIME-LAG 0.5A/250V			
							1-533-087-00	HOLDER, FUSE; F404			
C467	1-101-006-00	CERAMIC	0.047MF		50V	<u>IC</u>					
C468	1-101-006-00	CERAMIC	0.047MF		50V	IC401	8-752-201-90	IC CX22019			
C469	1-106-367-00	MYLAR	0.01MF	10%	100V	IC402	8-759-900-09	IC SN74LS09N			
C489	1-123-332-00	ELECT	47MF	20%	25V	IC403	8-759-901-36	IC SN74LS136N			
C490	1-123-332-00	ELECT	47MF	20%	25V	IC404	8-759-900-08	IC SN74LS08N			
C491	1-123-332-00	ELECT	47MF	20%	25V	IC405	8-759-900-08	IC SN74LS08N			
C492	1-123-332-00	ELECT	47MF	20%	25V	IC406	8-759-900-04	IC SN74LS04N			
C493	1-102-766-00	CERAMIC	150PF	5%	50V						
C494	1-106-367-00	MYLAR	0.01MF	10%	100V						
C495	1-101-006-00	CERAMIC	0.047MF		50V						
C497	1-123-356-00	ELECT	10MF	20%	25V						

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

Q

<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>				
IC407	8-759-900-00	IC SN74LS00N		Q450	8-729-117-54	TRANSISTOR 2SA1175					
IC408	8-759-900-20	IC SN74LS20N		Q451	8-729-178-54	TRANSISTOR 2SC2785					
IC409	8-759-901-38	IC SN74LS138N		Q452	8-729-117-54	TRANSISTOR 2SA1175					
REG401	8-759-171-05	IC UPC7805H		Q453	8-729-178-54	TRANSISTOR 2SC2785					
REG402	8-759-700-06	IC NJM7812B		Q454	8-729-117-54	TRANSISTOR 2SA1175					
<u>COIL</u>											
I_401	1-408-412-00	MICRO INDUCTOR 18UH		Q455	8-729-178-54	TRANSISTOR 2SC2785					
I_402	1-408-412-00	MICRO INDUCTOR 18UH		Q456	8-729-178-54	TRANSISTOR 2SC2785					
I_403	1-408-412-00	MICRO INDUCTOR 18UH		Q457	8-729-117-54	TRANSISTOR 2SA1175					
I_407	1-408-163-00	MICRO INDUCTOR 5.6MMH		<u>RESISTOR</u>							
<u>TRANSISTOR</u>											
Q401	8-729-117-54	TRANSISTOR 2SA1175		R351	1-249-429-11	CARBON 10K 5%	1/6W				
Q402	8-729-178-54	TRANSISTOR 2SC2785		R352	1-249-409-11	CARBON 220 5%	1/6W				
Q403	8-729-117-54	TRANSISTOR 2SA1175		R353	1-249-429-11	CARBON 10K 5%	1/6W				
Q404	8-729-178-54	TRANSISTOR 2SC2785		R354	1-249-409-11	CARBON 220 5%	1/6W				
Q405	8-729-117-54	TRANSISTOR 2SA1175		R355	1-249-405-11	CARBON 100 5%	1/6W				
Q406	8-729-178-54	TRANSISTOR 2SC2785		R356	1-247-711-11	CARBON 680 5%	1/4W				
Q407	8-729-117-54	TRANSISTOR 2SA1175		R357	1-247-711-11	CARBON 680 5%	1/4W				
Q408	8-729-117-54	TRANSISTOR 2SA1175		R358	1-249-415-11	CARBON 680 5%	1/6W				
Q409	8-729-178-54	TRANSISTOR 2SC2785		R359	1-249-415-11	CARBON 680 5%	1/6W				
Q410	8-729-117-54	TRANSISTOR 2SA1175		R361	1-247-711-11	CARBON 680 5%	1/4W				
Q411	8-729-178-54	TRANSISTOR 2SC2785		R362	1-247-711-11	CARBON 680 5%	1/4W				
Q412	8-729-178-54	TRANSISTOR 2SC2785		R364	1-249-415-11	CARBON 680 5%	1/6W				
Q413	8-729-178-54	TRANSISTOR 2SC2785		R365	1-247-711-11	CARBON 680 5%	1/4W				
Q414	8-729-117-54	TRANSISTOR 2SA1175		R366	1-246-457-00	CARBON 220 5%	1/4W				
Q415	8-729-178-54	TRANSISTOR 2SC2785		R367	1-246-457-00	CARBON 220 5%	1/4W				
Q416	8-729-178-54	TRANSISTOR 2SC2785		R368	1-249-429-11	CARBON 10K 5%	1/6W				
Q417	8-729-178-54	TRANSISTOR 2SC2785		R369	1-249-409-11	CARBON 220 5%	1/6W				
Q418	8-729-117-54	TRANSISTOR 2SA1175		R370	1-249-409-11	CARBON 220 5%	1/6W				
Q419	8-729-178-54	TRANSISTOR 2SC2785		R371	1-249-423-11	CARBON 3.3K 5%	1/6W				
Q420	8-729-178-54	TRANSISTOR 2SC2785		R372	1-247-719-11	CARBON 3.3K 5%	1/4W				
Q421	8-729-178-54	TRANSISTOR 2SC2785		R373	1-246-537-00	CARBON 470K 5%	1/4W				
Q422	8-729-178-54	TRANSISTOR 2SC2785		R374	1-249-437-11	CARBON 47K 5%	1/6W				
Q423	8-729-178-54	TRANSISTOR 2SC2785		R377	1-249-424-11	CARBON 3.9K 5%	1/6W				
Q424	8-729-117-54	TRANSISTOR 2SA1175		R378	1-249-429-11	CARBON 10K 5%	1/6W				
Q425	8-729-178-54	TRANSISTOR 2SC2785		R379	1-247-711-11	CARBON 680 5%	1/4W				
Q426	8-729-178-54	TRANSISTOR 2SC2785		R401	1-247-104-00	CARBON 75 5%	1/4W				
Q429	8-729-178-54	TRANSISTOR 2SC2785		R402	1-247-713-11	CARBON 1K 5%	1/4W				
Q430	8-729-117-54	TRANSISTOR 2SA1175		R403	1-215-468-00	CARBON 91K 5%	1/6W				
Q431	8-729-178-54	TRANSISTOR 2SC2785		R404	1-249-417-11	CARBON 1K 5%	1/6W				
Q433	8-729-117-54	TRANSISTOR 2SA1175		R405	1-249-434-11	CARBON 27K 5%	1/6W				
Q434	8-729-117-54	TRANSISTOR 2SA1175		R406	1-249-428-11	CARBON 8.2K 5%	1/6W				
Q435	8-729-117-54	TRANSISTOR 2SA1175		R407	1-249-417-11	CARBON 1K 5%	1/6W				
Q442	8-729-178-54	TRANSISTOR 2SC2785		R408	1-247-104-00	CARBON 75 5%	1/4W				
Q443	8-729-178-54	TRANSISTOR 2SC2785		R409	1-247-713-11	CARBON 1K 5%	1/4W				
Q444	8-729-178-54	TRANSISTOR 2SC2785		R410	1-215-468-00	CARBON 91K 5%	1/6W				
Q445	8-729-117-54	TRANSISTOR 2SA1175		R411	1-249-417-11	CARBON 1K 5%	1/6W				
Q446	8-729-117-54	TRANSISTOR 2SA1175		R412	1-249-434-11	CARBON 27K 5%	1/6W				
Q447	8-729-178-54	TRANSISTOR 2SC2785		R413	1-249-428-11	CARBON 8.2K 5%	1/6W				
Q448	8-729-117-54	TRANSISTOR 2SA1175		R414	1-249-417-11	CARBON 1K 5%	1/6W				
Q449	8-729-178-54	TRANSISTOR 2SC2785		R415	1-247-104-00	CARBON 75 5%	1/4W				
				R416	1-247-713-11	CARBON 1K 5%	1/4W				
				R417	1-215-468-00	CARBON 91K 5%	1/6W				
				R418	1-249-417-11	CARBON 1K 5%	1/6W				

For Service Manuals Contact  
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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R419	1-249-434-11	CARBON	27K 5% 1/6W	R476	1-249-417-11	CARBON	1K 5% 1/6W
R420	1-249-428-11	CARBON	8.2K 5% 1/6W	R477	1-249-425-11	CARBON	4.7K 5% 1/6W
R421	1-249-417-11	CARBON	1K 5% 1/6W	R478	1-249-425-11	CARBON	4.7K 5% 1/6W
R422	1-249-466-11	CARBON	56K 5% 1/4W	R479	1-249-425-11	CARBON	4.7K 5% 1/6W
R423	1-247-885-00	CARBON	180K 5% 1/6W	R480	1-246-445-00	CARBON	68 5% 1/4W
R424	1-249-440-11	CARBON	82K 5% 1/6W	R481	1-247-717-11	CARBON	2.2K 5% 1/4W
R425	1-249-437-11	CARBON	47K 5% 1/6W	R482	1-249-421-11	CARBON	2.2K 5% 1/6W
R426	1-249-427-11	CARBON	6.8K 5% 1/6W	R483	1-249-405-11	CARBON	100 5% 1/6W
R427	1-249-425-11	CARBON	4.7K 5% 1/6W	R484	1-249-429-11	CARBON	10K 5% 1/6W
R428	1-249-466-11	CARBON	56K 5% 1/4W	R485	1-215-468-00	CARBON	91K 5% 1/6W
R429	1-247-885-00	CARBON	180K 5% 1/6W	R486	1-249-434-11	CARBON	27K 5% 1/6W
R430	1-249-440-11	CARBON	82K 5% 1/6W	R487	1-249-428-11	CARBON	8.2K 5% 1/6W
R431	1-249-437-11	CARBON	47K 5% 1/6W	R488	1-246-457-00	CARBON	220 5% 1/4W
R432	1-249-427-11	CARBON	6.8K 5% 1/6W	R489	1-247-721-11	CARBON	4.7K 5% 1/4W
R433	1-249-425-11	CARBON	4.7K 5% 1/6W	R490	1-249-419-11	CARBON	1.5K 5% 1/6W
R434	1-249-405-11	CARBON	100 5% 1/6W	R491	1-249-421-11	CARBON	2.2K 5% 1/6W
R435	1-249-441-11	CARBON	100K 5% 1/6W	R492	1-249-416-11	CARBON	820 5% 1/6W
R436	1-246-445-00	CARBON	68 5% 1/4W	R493	1-249-411-11	CARBON	330 5% 1/6W
R437	1-247-713-11	CARBON	1K 5% 1/4W	R494	1-249-425-11	CARBON	4.7K 5% 1/6W
R438	1-249-421-11	CARBON	2.2K 5% 1/6W	R495	1-249-433-11	CARBON	22K 5% 1/6W
R439	1-247-725-11	CARBON	10K 5% 1/4W	R496	1-249-437-11	CARBON	47K 5% 1/6W
R440	1-215-468-00	CARBON	91K 5% 1/6W	R497	1-249-429-11	CARBON	10K 5% 1/6W
R442	1-249-434-11	CARBON	27K 5% 1/6W	R499	1-249-405-11	CARBON	100 5% 1/6W
R443	1-249-428-11	CARBON	8.2K 5% 1/6W	R1401	1-249-417-11	CARBON	1K 5% 1/6W
R444	1-246-445-00	CARBON	68 5% 1/4W	R1402	1-249-417-11	CARBON	1K 5% 1/6W
R445	1-247-713-11	CARBON	1K 5% 1/4W	R1403	1-249-432-11	CARBON	18K 5% 1/6W
R446	1-249-421-11	CARBON	2.2K 5% 1/6W	R1404	1-249-424-11	CARBON	3.9K 5% 1/6W
R447	1-247-725-11	CARBON	10K 5% 1/4W	R1405	1-249-429-11	CARBON	10K 5% 1/6W
R448	1-215-468-00	CARBON	91K 5% 1/6W	R1406	1-249-417-11	CARBON	1K 5% 1/6W
R450	1-249-434-11	CARBON	27K 5% 1/6W	R1413	1-247-720-11	CARBON	3.9K 5% 1/4W
R451	1-249-428-11	CARBON	8.2K 5% 1/6W	R1414	1-247-708-11	CARBON	470 5% 1/4W
R452	1-246-445-00	CARBON	68 5% 1/4W	R1415	1-247-722-11	CARBON	5.6K 5% 1/4W
R453	1-247-713-11	CARBON	1K 5% 1/4W	R1417	1-249-413-11	CARBON	470 5% 1/6W
R454	1-249-421-11	CARBON	2.2K 5% 1/6W	R1419	1-249-419-11	CARBON	1.5K 5% 1/6W
R455	1-247-725-11	CARBON	10K 5% 1/4W	R1420	1-249-425-11	CARBON	4.7K 5% 1/6W
R456	1-215-468-00	CARBON	91K 5% 1/6W	R1421	1-249-417-11	CARBON	1K 5% 1/6W
R458	1-249-434-11	CARBON	27K 5% 1/6W	R1423	1-249-415-11	CARBON	680 5% 1/6W
R459	1-249-428-11	CARBON	8.2K 5% 1/6W	R1432	1-249-429-11	CARBON	10K 5% 1/6W
R460	1-247-700-11	CARBON	100 5% 1/4W	R1433	1-249-423-11	CARBON	3.3K 5% 1/6W
R461	1-249-421-11	CARBON	2.2K 5% 1/6W	R1434	1-215-438-00	CARBON	5.1K 5% 1/6W
R462	1-249-417-11	CARBON	1K 5% 1/6W	R1435	1-249-418-11	CARBON	1.2K 5% 1/6W
R463	1-249-424-11	CARBON	3.9K 5% 1/6W	R1436	1-249-436-11	CARBON	39K 5% 1/6W
R465	1-249-419-11	CARBON	1.5K 5% 1/6W	R1437	1-249-429-11	CARBON	10K 5% 1/6W
R466	1-249-411-11	CARBON	330 5% 1/6W	R1438	1-249-426-11	CARBON	5.6K 5% 1/6W
R467	1-249-416-11	CARBON	820 5% 1/6W	R1439	1-249-425-11	CARBON	4.7K 5% 1/6W
R468	1-249-419-11	CARBON	1.5K 5% 1/6W	R1441	1-249-433-11	CARBON	22K 5% 1/6W
R469	1-249-411-11	CARBON	330 5% 1/6W	R1442	1-215-491-00	CARBON	820K 5% 1/6W
R470	1-249-416-11	CARBON	820 5% 1/6W	R1443	1-215-491-00	CARBON	820K 5% 1/6W
R471	1-249-419-11	CARBON	1.5K 5% 1/6W	R1444	1-215-491-00	CARBON	820K 5% 1/6W
R472	1-249-411-11	CARBON	330 5% 1/6W	R1445	1-249-435-11	CARBON	33K 5% 1/6W
R473	1-249-416-11	CARBON	820 5% 1/6W	R1446	1-249-435-11	CARBON	33K 5% 1/6W
R474	1-249-425-11	CARBON	4.7K 5% 1/6W	R1447	1-246-527-00	CARBON	180K 5% 1/4W
R475	1-249-428-11	CARBON	8.2K 5% 1/6W	R1448	1-249-426-11	CARBON	5.6K 5% 1/6W

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<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>
R1449	1-249-421-11	CARBON	2.2K 5% 1/6W	S403	1-553-725-00	SWITCH, SLIDE	
R1451	1-249-417-11	CARBON	1K 5% 1/6W				*****
R1452	1-249-423-11	CARBON	3.3K 5% 1/6W				*****
R1453	1-249-417-11	CARBON	1K 5% 1/6W				*****
R1454	1-249-423-11	CARBON	3.3K 5% 1/6W				*****
R1455	1-249-421-11	CARBON	2.2K 5% 1/6W				*A-1330-507-A C1 BOARD, COMPLETE
R1456	1-249-413-11	CARBON	470 5% 1/6W				*****
R1457	1-249-421-11	CARBON	2.2K 5% 1/6W				1-526-616-00 SOCKET, CRT
R1458	1-249-401-11	CARBON	47 5% 1/6W				<u>CAPACITOR</u>
R1459	1-249-414-11	CARBON	560 5% 1/6W	C701	1-123-356-00	ELECT	10MF 20% 25V
R1460	1-249-397-11	CARBON	22 5% 1/6W	C702	1-102-002-00	CERAMIC	680PF 10% 500V
R1461	1-249-421-11	CARBON	2.2K 5% 1/6W	C703	1-123-356-00	ELECT	10MF 20% 25V
R1462	1-249-413-11	CARBON	470 5% 1/6W	C704	1-102-002-00	CERAMIC	680PF 10% 500V
R1463	1-249-421-11	CARBON	2.2K 5% 1/6W	C705	1-123-356-00	ELECT	10MF 20% 25V
R1464	1-249-401-11	CARBON	47 5% 1/6W	C706	1-102-002-00	CERAMIC	680PF 10% 500V
R1465	1-249-414-11	CARBON	560 5% 1/6W	C707	1-123-356-00	ELECT	10MF 20% 25V
R1466	1-249-397-11	CARBON	22 5% 1/6W	C708	1-121-759-00	ELECT	4.7MF 250V
R1467	1-249-421-11	CARBON	2.2K 5% 1/6W	C709	1-102-038-00	CERAMIC	0.001MF 500V
R1468	1-249-413-11	CARBON	470 5% 1/6W	C710	1-106-387-00	MYLAR	0.1MF 10% 200V
R1469	1-249-421-11	CARBON	2.2K 5% 1/6W	C711	1-123-356-00	ELECT	10MF 20% 50V
R1470	1-249-401-11	CARBON	47 5% 1/6W	C712	1-129-737-00	F1M	0.047MF 20% 630V
R1471	1-249-414-11	CARBON	560 5% 1/6W	C713	1-102-249-00	CERAMIC	680PF 20% 2KV
R1472	1-249-397-11	CARBON	22 5% 1/6W	C714	1-130-491-00	MYLAR	0.047MF 5% 50V
R1473	1-249-428-11	CARBON	8.2K 5% 1/6W				<u>DIODE</u>
R1474	1-249-427-11	CARBON	6.8K 5% 1/6W	D701	8-719-300-76	DIODE RH1A	
R1475	1-249-429-11	CARBON	10K 5% 1/6W	D702	8-719-300-76	DIODE RH1A	
R1476	1-249-409-11	CARBON	220 5% 1/6W	D703	8-719-300-76	DIODE RH1A	
R1477	1-249-409-11	CARBON	220 5% 1/6W				<u>COIL</u>
R1478	1-249-409-11	CARBON	220 5% 1/6W	L701	1-408-418-00	MICRO INDUCTOR 56UH	
R1479	1-249-425-11	CARBON	4.7K 5% 1/6W	L702	1-408-418-00	MICRO INDUCTOR 56UH	
R1480	1-249-425-11	CARBON	4.7K 5% 1/6W	L703	1-408-418-00	MICRO INDUCTOR 56UH	
R1481	1-249-417-11	CARBON	1K 5% 1/6W	L704	1-408-417-00	MICRO INDUCTOR 47UH	
R1482	1-249-429-11	CARBON	10K 5% 1/6W	L705	1-407-780-00	COIL, SPOOK CHOKE	
R1483	1-249-429-11	CARBON	10K 5% 1/6W	L706	1-408-417-00	MICRO INDUCTOR 47UH	
R1484	1-247-725-11	CARBON	10K 5% 1/4W				<u>NEON LAMP</u>
R1485	1-246-457-00	CARBON	220 5% 1/4W	N701	1-519-108-XX	LAMP, NEON ASSY	
R1486	1-247-725-11	CARBON	10K 5% 1/4W				<u>TRANSISTOR</u>
R1487	1-246-457-00	CARBON	220 5% 1/4W	Q701	8-729-178-54	TRANSISTOR 2SC2785	
R1488	1-247-725-11	CARBON	10K 5% 1/4W	Q702	8-729-326-11	TRANSISTOR 2SC2611	
R1489	1-246-457-00	CARBON	220 5% 1/4W	Q703	8-729-178-54	TRANSISTOR 2SC2785	
R1490	1-247-725-11	CARBON	10K 5% 1/4W	Q704	8-729-326-11	TRANSISTOR 2SC2611	
R1492	1-246-457-00	CARBON	220 5% 1/4W	Q705	8-729-178-54	TRANSISTOR 2SC2785	
				Q706	8-729-326-11	TRANSISTOR 2SC2611	
							<u>RESISTOR</u>
				R707	1-249-413-11	CARBON	470 5% 1/6W
S401	1-553-725-00	SWITCH, SLIDE		R708	1-247-793-00	CARBON	27 5% 1/6W
S402	1-553-725-00	SWITCH, SLIDE		R709	1-249-421-11	CARBON	2.2K 5% 1/6W

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**C1**   **C2**   **D**

**D**

<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>
C526	1-123-381-00	ELECT	2.2MF	20%	50V	C807	1-123-332-00	ELECT	47MF	20%	16V
C527	1-123-381-00	ELECT	2.2MF	20%	50V	C808	1-123-228-00	ELECT	1MF	20%	50V
C528	1-101-006-00	CERAMIC	0.047MF		50V	C809	1-123-333-00	ELECT	100MF	20%	16V
C531	1-123-381-00	ELECT	2.2MF	20%	50V	C810	1-123-336-00	ELECT	470MF	20%	25V
C532	1-123-334-00	ELECT	220MF	20%	25V	C811	1-101-006-00	CERAMIC	0.047MF		50V
C533	1-123-335-00	ELECT	330MF	20%	25V	C813	1-106-395-00	MYLAR	0.15MF	10%	200V
C534	1-123-379-00	ELECT	0.47MF	20%	50V	C815	1-123-356-00	ELECT	10MF	20%	16V
C535	1-106-383-00	MYLAR	0.047MF	10%	200V	C899	1-101-006-00	CERAMIC	0.047MF		50V
C536	1-101-810-00	CERAMIC	100PF	5%	500V			<u>CONNECTOR</u>			
C537	1-106-343-00	MYLAR	0.001MF	10%	100V	D1	*1-560-126-00	PUG, CONNECTOR (2.5MM)	6P		
C538	1-161-961-00	CERAMIC	0.0022MF	10%	3KV	D2	*1-560-126-00	PUG, CONNECTOR (2.5MM)	6P		
C539	1-106-216-00	MYLAR	0.068MF	10%	100V	D3	*1-560-126-00	PUG, CONNECTOR (2.5MM)	6P		
C540	1-136-139-00	FILM	0.012MF	3%	2KV	D4	*1-560-126-00	PUG, CONNECTOR (2.5MM)	6P		
C541	1-129-745-00	FILM	0.033MF	10%	400V	D5	*1-508-767-00	PUG, CONNECTOR (2.5MM)	6P		
C542	1-102-223-00	CERAMIC	0.0047MF	10%	2KV	D6	*1-564-038-00	CONNECTOR PUG, DY (MINI)	6P		
C543	1-123-254-00	ELECT	10MF		250V	D7	*1-560-290-00	PUG, CONNECTOR (2.5MM PITCH)			
C544	1-102-038-00	CERAMIC	0.001MF		500V	D8	*1-560-124-00	PUG, CONNECTOR (2.5MM) 4P			
C545	1-123-333-00	ELECT	100MF	20%	25V	D9	*1-560-290-00	PUG, CONNECTOR (2.5MM PITCH)			
C547	1-136-111-00	FILM	1MF	5%	200V			<u>DIODE</u>			
C548	1-106-387-00	MYLAR	0.1MF	10%	200V	D501	8-719-102-60	DIODE RD3.9E-N2			
C549	1-136-113-00	FILM	2MF	5%	200V	D502	8-719-911-19	DIODE 1SS119			
C550	1-129-943-00	FILM	0.68MF	10%	400V	D504	8-719-911-19	DIODE 1SS119			
C551A	1-123-332-00	ELECT	47MF	20%	16V	D509	8-719-305-15	DIODE GH3F			
C552A	1-123-332-00	ELECT	47MF	20%	16V	D510	8-719-928-08	DIODE ER028-08S			
C553	1-106-367-00	MYLAR	0.01MF	10%	100V	D511	8-719-903-09	DIODE V30N			
C554	1-123-333-00	ELECT	100MF	20%	25V	D512	8-719-918-77	DIODE V19G			
C555	1-102-228-00	CERAMIC	470PF	10%	500V	D513	8-719-918-77	DIODE V19G			
C556	1-123-360-00	ELECT	100MF	20%	50V	D514	8-719-911-55	DIODE U05G			
C557	1-106-375-12	MYLAR	0.022MF	10%	100V	D515	8-719-918-77	DIODE V19G			
C559	1-123-330-00	ELECT	22MF	20%	16V	D516	8-719-911-19	DIODE 1SS119			
C560	1-106-379-12	MYLAR	0.033MF	10%	100V	D517A	8-719-911-55	DIODE U05G			
C562	1-123-332-00	ELECT	47MF	20%	16V	D518A	8-719-911-55	DIODE U05G			
C563	1-123-332-00	ELECT	47MF	20%	16V	D519	8-719-911-55	DIODE U05G			
C566	1-106-343-00	MYLAR	0.001MF	5%	50V	D520	8-719-911-19	DIODE 1SS119			
C567	1-101-006-00	CERAMIC	0.047MF		50V	D521	8-719-911-19	DIODE 1SS119			
C568	1-123-321-00	ELECT	220MF	20%	16V	D524	8-719-911-19	DIODE 1SS119			
C569	1-106-367-00	MYLAR	0.01MF	10%	100V	D525	8-719-102-84	DIODE RD8.2E-N2			
C570	1-106-367-00	MYLAR	0.01MF	10%	100V	D526	8-719-911-19	DIODE 1SS119			
C571	1-101-006-00	CERAMIC	0.047MF		50V	D801	8-719-022-21	DIODE 1T-22A			
C572	1-101-006-00	CERAMIC	0.047MF		50V	D802	8-719-022-21	DIODE 1T-22A			
C573A	1-123-369-00	ELECT	4.7MF	20%	50V			<u>IC</u>			
C573B	1-123-369-00	ELECT	4.7MF	20%	50V	IC501	8-759-100-60	IC UPC1377C			
C575	1-123-024-00	ELECT	33MF		160V	IC502	8-759-979-16	IC CX7916			
C597	1-102-074-00	CERAMIC	0.001MF	10%	50V	IC504	8-759-145-58	IC UPC4558C			
C598	1-102-074-00	CERAMIC	0.001MF	10%	50V	IC505	8-759-105-82	IC UPC1378H-P			
C599	1-126-234-11	ELECT	2200MF	20%	16V	IC801	8-759-905-39	IC TDA1082			
C801	1-123-369-00	ELECT	4.7MF	20%	50V	IC802	8-759-145-58	IC UPC4558C			
C802	1-123-369-00	ELECT	4.7MF	20%	50V						
C803	1-130-489-00	MYLAR	0.033MF	5%	50V						
C804	1-124-192-00	ELECT	4.7MF	20%	50V						
C805	1-106-357-00	MYLAR	0.0039MF	10%	100V						
C806	1-123-380-00	ELECT	1MF	20%	50V						

For Service Manuals Contact  
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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>COIL</u>							
1501	1-408-242-00	MICRO INDUCTOR 10MMH		R523	1-249-413-11	CARBON	470 5% 1/6W
1502	1-407-780-00	COIL, SPOOK CHOKE		R524	1-249-426-11	CARBON	5.6K 5% 1/6W
1503	1-407-365-00	COIL, CHOKE		R525	1-249-419-11	CARBON	1.5K 5% 1/6W
1504	1-459-390-00	COIL (WITH CORE)		R526	1-249-427-11	CARBON	6.8K 5% 1/6W
1505	1-421-368-00	COIL, VAR FERRITE (H'C)		R527	1-249-430-11	CARBON	12K 5% 1/6W
1506	1-408-239-00	MICRO INDUCTOR 4.7MMH		R528	1-249-425-11	CARBON	4.7K 5% 1/6W
1507	1-459-104-00	COIL, DUST CORE		R529	1-215-484-00	METAL	430K 1% 1/6W
1509	1-421-329-00	COIL, CHOKE		R530	1-215-463-00	METAL	56K 1% 1/6W
1801	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE		R531	1-249-419-11	CARBON	1.5K 5% 1/6W
1802	1-459-338-00	COIL, VAR, FERRITE (PAC)		R532	1-246-992-00	CARBON	180 5% 1/8W F
<u>TRANSISTOR</u>							
Q501	8-729-384-46	TRANSISTOR 2SA844-C		R533	1-249-427-11	CARBON	6.8K 5% 1/8W
Q502	8-729-178-54	TRANSISTOR 2SC2785		R534	1-249-419-11	CARBON	1.5K 5% 1/6W
Q503	8-729-900-36	TRANSISTOR DTC124ES		R535	1-215-456-00	METAL	30K 1% 1/6W
Q504	8-729-900-36	TRANSISTOR DTC124ES		R536	1-249-430-11	CARBON	12K 5% 1/6W
Q505	8-729-900-36	TRANSISTOR DTC124ES		R537	1-249-441-11	CARBON	100K 5% 1/6W
Q506	8-729-900-36	TRANSISTOR DTC124ES		R538	1-249-425-11	CARBON	4.7K 5% 1/6W
Q507	8-729-900-63	TRANSISTOR DTA124ES		R540	1-249-431-11	CARBON	15K 5% 1/6W
Q508	8-729-168-82	TRANSISTOR 2SC2688		R548	1-249-408-11	CARBON	180 5% 1/6W
Q509	8-729-800-87	TRANSISTOR 2SD1398		R549	1-246-991-00	CARBON	150 5% 1/8W F
Q510	8-729-178-54	TRANSISTOR 2SC2785		R550	1-249-429-11	CARBON	10K 5% 1/6W
Q512	8-729-177-43	TRANSISTOR 2SD774		R551	1-249-406-11	CARBON	120 5% 1/6W
Q801	8-729-313-42	TRANSISTOR 2SD1134		R552	1-249-429-11	CARBON	10K 5% 1/6W
Q802	8-729-178-54	TRANSISTOR 2SC2785		R553	1-205-642-00	CEMENTED	3.3K 10% 5W
Q803	8-729-178-54	TRANSISTOR 2SC2785		R554	1-249-420-11	CARBON	1.8K 5% 1/8W F
Q804	8-729-117-54	TRANSISTOR 2SA1175		R555	1-249-417-11	CARBON	1K 5% 1/6W
Q805	8-729-178-54	TRANSISTOR 2SC2785		R556	1-247-636-00	CARBON	0.47 5% 1/8W F
Q806	8-729-178-54	TRANSISTOR 2SC2785		R557	1-247-636-00	CARBON	0.47 5% 1/8W F
Q850	8-729-384-46	TRANSISTOR 2SA844-C		R558	1-217-407-00	FUSIBLE	470 1/4W F
<u>RESISTOR</u>							
R501	1-249-419-11	CARBON	1.5K 5% 1/6W	R559	1-246-979-00	CARBON	1.2 5% 1/8W F
R502	1-249-410-11	CARBON	270 5% 1/6W	R560	1-202-597-00	SOLID	10K 10% 1/2W
R503	1-249-413-11	CARBON	470 5% 1/6W	R561	1-249-468-11	CARBON	82K 5% 1/4W
R504	1-249-417-11	CARBON	1K 5% 1/6W	R562	1-249-468-11	CARBON	82K 5% 1/4W
R505	1-249-429-11	CARBON	10K 5% 1/6W	R563	1-213-141-00	METAL OXIDE	680 5% 1W F
R506	1-249-421-11	CARBON	2.2K 5% 1/6W	R564	1-215-862-11	METAL OXIDE	68 5% 1W F
R507	1-249-418-11	CARBON	1.2K 5% 1/6W	R565	1-212-371-00	METAL OXIDE	8.2 5% 1W F
R508	1-249-419-11	CARBON	1.5K 5% 1/6W	R566	1-215-479-00	CARBON	270K 5% 1/6W
R509	1-249-421-11	CARBON	2.2K 5% 1/6W	R567	1-215-493-00	CARBON	1M 5% 1/6W
R510	1-249-434-11	CARBON	27K 5% 1/6W	R568	1-213-136-00	METAL OXIDE	270 5% 1W F
R511	1-215-457-00	METAL	33K 1% 1/6W	R569	1-213-138-00	METAL OXIDE	390 5% 1W F
R512	1-249-440-11	CARBON	82K 5% 1/6W	R570	1-247-743-11	CARBON	220 5% 1/2W
R513	1-249-429-11	CARBON	10K 5% 1/6W	R571	1-249-433-11	CARBON	22K 5% 1/6W
R514	1-214-783-00	METAL	180K 1% 1/4W	R572	1-249-434-11	CARBON	27K 5% 1/6W
R515	1-215-463-00	METAL	56K 1% 1/6W	R573	1-249-423-11	CARBON	3.3K 5% 1/6W
R518	1-215-478-00	METAL	240K 1% 1/6W	R574	1-249-437-11	CARBON	47K 5% 1/6W
R519	1-215-463-00	METAL	56K 1% 1/6W	R575	1-249-441-11	CARBON	100K 5% 1/6W
R520	1-249-411-11	CARBON	330 5% 1/6W	R577	1-249-429-11	CARBON	10K 5% 1/6W
R521	1-249-415-11	CARBON	680 5% 1/6W	R578	1-215-459-00	METAL	39K 1% 1/6W
R522	1-249-415-11	CARBON	680 5% 1/6W	R579	1-215-475-00	METAL	180K 1% 1/6W
				R580	1-247-718-11	CARBON	2.7K 5% 1/4W
				R581	1-247-718-11	CARBON	2.7K 5% 1/4W
				R582	1-249-418-11	CARBON	1.2K 5% 1/6W
				R583	1-249-417-11	CARBON	1K 5% 1/6W
				R584	1-249-439-11	CARBON	68K 5% 1/6W

**D** **GA**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R585	1-249-438-11	CARBON	56K 5% 1/6W				<u>VARIABLE RESISTOR</u>
R586	1-215-493-00	METAL	1M 1% 1/6W		RV501	1-228-577-00	RES, ADJ, CARBON 220
R587	1-249-429-11	CARBON	10K 5% 1/6W		RV502	1-226-850-00	RES, ADJ, CARBON 4.7K
R588	1-249-440-11	CARBON	82K 5% 1/6W		RV503	1-228-724-00	RES, ADJ, CARBON 10K
R589	1-249-440-11	CARBON	82K 5% 1/6W		RV504	1-228-160-11	RES, ADJ, METAL GLAZE 5K
R596	1-212-373-00	METAL OXIDE	12 5% 1W F		RV505	1-222-344-00	RES, ADJ, CARBON 5K
R597	1-215-373-31	METAL	10 1% 1/6W				
R598	1-249-429-11	CARBON	10K 5% 1/6W		RV506	1-223-102-00	RES, ADJ, WIREWOUND 120
R599	1-249-439-11	CARBON	68K 5% 1/6W		RV507	1-226-854-00	RES, ADJ, CARBON 100K
R800	1-249-435-11	CARBON	33K 5% 1/6W		RV509	1-224-249-XX	RES, ADJ, METAL GLAZE 1K
R802	1-249-433-11	CARBON	22K 5% 1/6W		RV801	1-228-724-00	RES, ADJ, CARBON 10K
R803	1-246-991-00	CARBON	150 5% 1/8W F		RV802	1-226-847-00	RES, ADJ, CARBON 1K
R805	1-249-409-11	CARBON	220 5% 1/6W		RV803	1-226-847-00	RES, ADJ, CARBON 1K
R806	1-249-439-11	CARBON	68K 5% 1/6W		RV804	1-228-725-00	RES, ADJ, CARBON 22K
R807	1-249-432-11	CARBON	18K 5% 1/6W		RV805	1-228-725-00	RES, ADJ, CARBON 22K
R808	1-249-435-11	CARBON	33K 5% 1/6W		RV806	1-228-725-00	RES, ADJ, CARBON 22K
R810	1-249-424-11	CARBON	3.9K 5% 1/6W		RV807	1-228-725-00	RES, ADJ, CARBON 22K
R811	1-249-435-11	CARBON	33K 5% 1/6W		RV808	1-226-855-00	RES, ADJ, CARBON 220K
R812	1-249-433-11	CARBON	22K 5% 1/6W		RV809	1-226-857-00	RES, ADJ, CARBON 470K
R813	1-249-424-11	CARBON	3.9K 5% 1/6W				
R814	1-249-436-11	CARBON	39K 5% 1/6W				<u>SPARK GAP</u>
R815	1-249-434-11	CARBON	27K 5% 1/6W		S6501	1-519-063-XX	DISCHARGING GAP
R816	1-249-417-11	CARBON	1K 5% 1/6W				<u>TRANSFORMER</u>
R817	1-249-417-11	CARBON	1K 5% 1/6W		T501	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE
R818	1-249-433-11	CARBON	22K 5% 1/6W		T503	1-421-520-00	TRANSFORMER, FERRITE (PHT)
R820	1-249-416-11	CARBON	820 5% 1/6W		T801	1-421-245-11	TRANSFORMER, PZN CUSHION
R821	1-249-411-11	CARBON	330 5% 1/6W				<u>THERMISTOR</u>
R822	1-249-435-11	CARBON	33K 5% 1/6W		TH802	1-806-213-00	THERMISTOR
R823	1-249-427-11	CARBON	6.8K 5% 1/6W		TH803	1-800-626-00	THERMISTOR
R825	1-212-363-00	METAL OXIDE	1.8 5% 1W F				*****
R828	1-249-425-11	CARBON	4.7K 5% 1/6W				△.1-413-179-11 GA BOARD (SWITCHING REGULATOR)
R829	1-249-429-11	CARBON	10K 5% 1/6W				*****
R830	1-249-429-11	CARBON	10K 5% 1/6W				
R831	1-249-425-11	CARBON	4.7K 5% 1/6W				
R832	1-249-429-11	CARBON	10K 5% 1/6W				
R833	1-249-429-11	CARBON	10K 5% 1/6W				
R834	1-249-437-11	CARBON	47K 5% 1/6W				
R835	1-249-437-11	CARBON	47K 5% 1/6W				
R836	1-249-425-11	CARBON	4.7K 5% 1/6W				
R837	1-249-417-11	CARBON	1K 5% 1/6W				
R838	1-215-866-11	METAL OXIDE	330 5% 1W F				<u>CAPACITOR</u>
R839	1-215-866-11	METAL OXIDE	330 5% 1W F				
R840	1-249-429-11	CARBON	10K 5% 1/6W				
R841	1-247-757-11	CARBON	2.7K 5% 1/2W				
R845	1-215-475-00	METAL	180K 1% 1/6W				
R851	1-249-413-11	CARBON	470 5% 1/6W				
R852	1-249-407-11	CARBON	150 5% 1/6W				
R853	1-247-887-00	CARBON	220K 5% 1/6W		C601	△.1-130-806-21	FILM 0.10MF 10% 400V
R854	1-249-417-11	CARBON	1K 5% 1/6W		C602	△.1-161-742-51	CERAMIC 2200PF 20% 400V
R855	1-215-430-00	CARBON	2.4K 5% 1/6W		C603	△.1-161-742-51	CERAMIC 2200PF 20% 400V
R856	1-249-417-11	CARBON	1K 5% 1/6W		C604	△.1-161-742-51	CERAMIC 2200PF 20% 400V
R857	1-215-491-00	CARBON	820K 5% 1/6W		C605	△.1-125-268-11	ELECT 47MF 20% 400V
R860	1-249-432-11	CARBON	18K 5% 1/6W		C606	△.1-124-023-51	ELECT 4.7MF 20% 350V

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark	
C607	△.1-124-023-51	ELECT	4.7MF	20%	350V	R604 △.1-246-449-25	CARBON	100 5% 1/4W
C610	△.1-161-963-11	CERAMIC	100PF	20%	2KV	R605 △.1-244-921-11	CARBON	100K 5% 1/2W
C611	△.1-161-912-11	CERAMIC	560PF	10%	500V	R606 △.1-246-487-25	CARBON	3.9K 5% 1/4W
C612	△.1-161-912-11	CERAMIC	560PF	10%	500V	R607 △.1-212-946-51	FUSE	3.3 5% 1/2W F
C613	△.1-161-912-11	CERAMIC	560PF	10%	500V	R608 △.1-246-449-25	CARBON	100 5% 1/4W
C614	△.1-161-912-11	CERAMIC	560PF	10%	500V	R609 △.1-244-873-11	CARBON	1K 5% 1/2W
C615	△.1-161-989-11	CERAMIC	2200PF	10%	500V	R610 △.1-246-461-25	CARBON	330 5% 1/4W
C616	△.1-130-516-51	FI'M	0.01MF	10%	50V	R611 △.1-246-521-25	CARBON	100K 5% 1/4W
C617	△.1-130-520-51	FI'M	0.022MF	1%	50V	R612 △.1-246-497-25	CARBON	10K 5% 1/4W
C618	△.1-123-357-51	ELECT	22MF	20%	50V	R613 △.1-246-482-25	CARBON	2.4K 5% 1/4W
C619	△.1-130-528-51	FI'M	0.1MF	10%	50V	R615 △.1-213-151-61	METAL OXIDE FI'M	4.7K 5% 1W F
C620	△.1-123-575-51	ELECT	100MF		160V	R616 △.1-246-453-25	CARBON	150 5% 1/4W
C621	△.1-123-349-51	ELECT	1000MF	20%	35V	R617 △.1-246-417-25	CARBON	4.7 5% 1/4W
C622	△.1-123-324-51	ELECT	1000MF	20%	16V	R618 △.1-217-465-21	FUSE	0.47K 10% 1W F
C623	△.1-123-575-51	ELECT	100MF		160V	R619 △.1-217-465-21	FUSE	0.47K 10% 1W F
C624	△.1-123-333-51	ELECT	100MF	20%	25V	R620 △.1-246-418-25	CARBON	5.1 5% 1/4W
C625	△.1-123-333-51	ELECT	100MF	20%	25V			
<u>DIODE</u>								
D601	△.8-719-300-53	DIODE	CTU-38S		T601	△.1-447-764-11	TRANSFORMER, CONVERTER	
D602	△.8-719-300-52	DIODE	CTU-38R		T602	△.1-437-102-12	TRANSFORMER, DRIVE	
D603	△.8-719-903-02	DIODE	ESAC33-02C		T603	△.1-421-460-31	TRANSFORMER, CURRENT	
D605	△.8-719-900-93	DIODE	V09C					
D606	△.8-719-911-19	DIODE	ISS119					
D607	△.8-719-100-61	DIODE	RDI1E-B2					
D608	△.8-719-100-34	DIODE	RD5.6E-B1					
D609	△.8-719-100-29	DIODE	RD5.1E-B1					
D610	△.8-719-100-29	DIODE	RD5.1E-B1					
D611	△.8-719-200-01	DIODE	10E1					
D612	△.8-719-100-34	DIODE	RD5.6E-B1					
D613	△.8-719-100-34	DIODE	RD5.6E-B1					
D614	△.8-719-200-01	DIODE	10E1					
<u>COIL</u>								
'601	△.1-421-606-11	TRANSFORMER, LINE FILTER						
'602	△.1-410-052-11	COIL, CHOKES (MAIN)						
'603	△.1-410-053-11	COIL, CHOKES						
'604	△.1-408-933-11	COIL, CHOKES						
'605	△.1-408-933-11	COIL, CHOKES						
'606	△.1-408-933-11	COIL, CHOKES						
<u>TRANSISTOR</u>								
Q601	△.8-729-301-76	TRANSISTOR	STR8124-R					
Q602	△.8-729-102-02	TRANSISTOR	2SD1020-J					
Q603	△.8-729-102-02	TRANSISTOR	2SD1020-J					
Q604	△.8-729-178-52	TRANSISTOR	2SC2785-J					
Q605	△.8-729-177-42	TRANSISTOR	2SD774-3					
<u>RESISTOR</u>								
R601	△.1-244-921-11	CARBON	100K	5%	1/2W	Q651	△.8-729-117-52	TRANSISTOR 2SA1175-J
R602	△.1-246-487-25	CARBON	3.9K	5%	1/4W	Q652	△.8-729-178-52	TRANSISTOR 2SC2785-J
R603	△.1-212-946-51	FUSE	3.3	5%	1/2W F			
<u>TRANSISTOR</u>								

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<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>
<u>RESISTOR</u>											
R651	▲.1-247-855-41	CARBON	10K	5%	1/6W		RV651	▲.1-228-141-11	RES, ADJ, METAL GLAZE	500	
R652	▲.1-247-845-41	CARBON	3.9K	5%	1/6W						
R653	▲.1-247-862-41	CARBON	20K	5%	1/6W						
R654	▲.1-247-864-41	CARBON	24K	5%	1/6W						
R655	▲.1-247-836-41	CARBON	1.6K	5%	1/6W						
R656	▲.1-247-879-41	CARBON	100K	5%	1/6W						
R657	▲.1-247-835-41	CARBON	1.5K	5%	1/6W						
R658	▲.1-247-881-41	CARBON	120K	5%	1/6W						
R659	▲.1-247-854-41	CARBON	9.1K	5%	1/6W						
R660	▲.1-214-777-51	METAL	100K	1%	1/4W						
*R661	▲.1-214-747-51	METAL	5.6K	1%	1/4W						
*R661	▲.1-214-748-51	METAL	6.2K	1%	1/4W						
R662	▲.1-247-861-41	CARBON	18K	5%	1/6W						
R663	▲.1-247-852-41	CARBON	7.5K	5%	1/6W						
R664	▲.1-247-839-41	CARBON	2.2K	5%	1/6W						
R666	▲.1-247-831-41	CARBON	1.0K	5%	1/6W						
R667	▲.1-247-839-41	CARBON	2.2K	5%	1/6W						
*R669	▲.1-214-769-51	METAL	47K	1%	1/4W		L901	▲.1-426-087-42	COIL, DEGAUSSING		
*R669	▲.1-214-770-51	METAL	51K	1%	1/4W		S901	▲.1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)		
*R669	▲.1-214-771-51	METAL	56K	1%	1/4W		SP901	1-503-109-00	SPEAKER		
*R669	▲.1-214-772-51	METAL	62K	1%	1/4W		T502	▲.1-439-322-12	TRANSFORMER ASSY, FLYBACK		
*R669	▲.1-214-773-51	METAL	68K	1%	1/4W		V901	▲.8-737-251-05	PICTURE TUBE (A49JHT00X)		
*R669	▲.1-214-774-51	METAL	75K	1%	1/4W						
*R669	▲.1-214-775-51	METAL	82K	1%	1/4W						
*R669	▲.1-214-776-51	METAL	91K	1%	1/4W						
*R669	▲.1-214-777-51	METAL	100K	1%	1/4W						
*R669	▲.1-214-778-51	METAL	110K	1%	1/4W						
*R669	▲.1-214-779-51	METAL	120K	1%	1/4W						
*R669	▲.1-214-780-51	METAL	130K	1%	1/4W						
*R669	▲.1-214-781-51	METAL	150K	1%	1/4W						
*R669	▲.1-214-782-51	METAL	160K	1%	1/4W						
*R669	▲.1-214-783-51	METAL	180K	1%	1/4W						
*R669	▲.1-214-784-51	METAL	200K	1%	1/4W						
*R669	▲.1-214-785-51	METAL	220K	1%	1/4W						
*R669	▲.1-214-786-51	METAL	240K	1%	1/4W						
*R669	▲.1-214-787-51	METAL	270K	1%	1/4W						
*R669	▲.1-214-788-51	METAL	300K	1%	1/4W						
*R669	▲.1-214-952-51	METAL	330K	1%	1/4W						
*R669	▲.1-214-953-51	METAL	360K	1%	1/4W						
*R669	▲.1-214-954-51	METAL	390K	1%	1/4W						
*R669	▲.1-214-955-51	METAL	430K	1%	1/4W						
*R669	▲.1-214-956-51	METAL	470K	1%	1/4W						
*R669	▲.1-214-957-51	METAL	510K	1%	1/4W						
*R669	▲.1-214-958-51	METAL	560K	1%	1/4W						
*R669	▲.1-214-959-51	METAL	620K	1%	1/4W						
*R669	▲.1-214-960-51	METAL	680K	1%	1/4W						
*R669	▲.1-214-961-51	METAL	750K	1%	1/4W						
*R669	▲.1-214-962-51	METAL	820K	1%	1/4W						
*R669	▲.1-214-963-51	METAL	910K	1%	1/4W						
*R669	▲.1-214-964-51	METAL	1M	1%	1/4W						

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

\* : Selected to yield optimum performance.

**VM-2010QM**

**Sony Corporation**  
TV Group

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