

KX-14CPI  
 SCC-666A-A  
 SCC-667A-A  
 SCC-672A-A

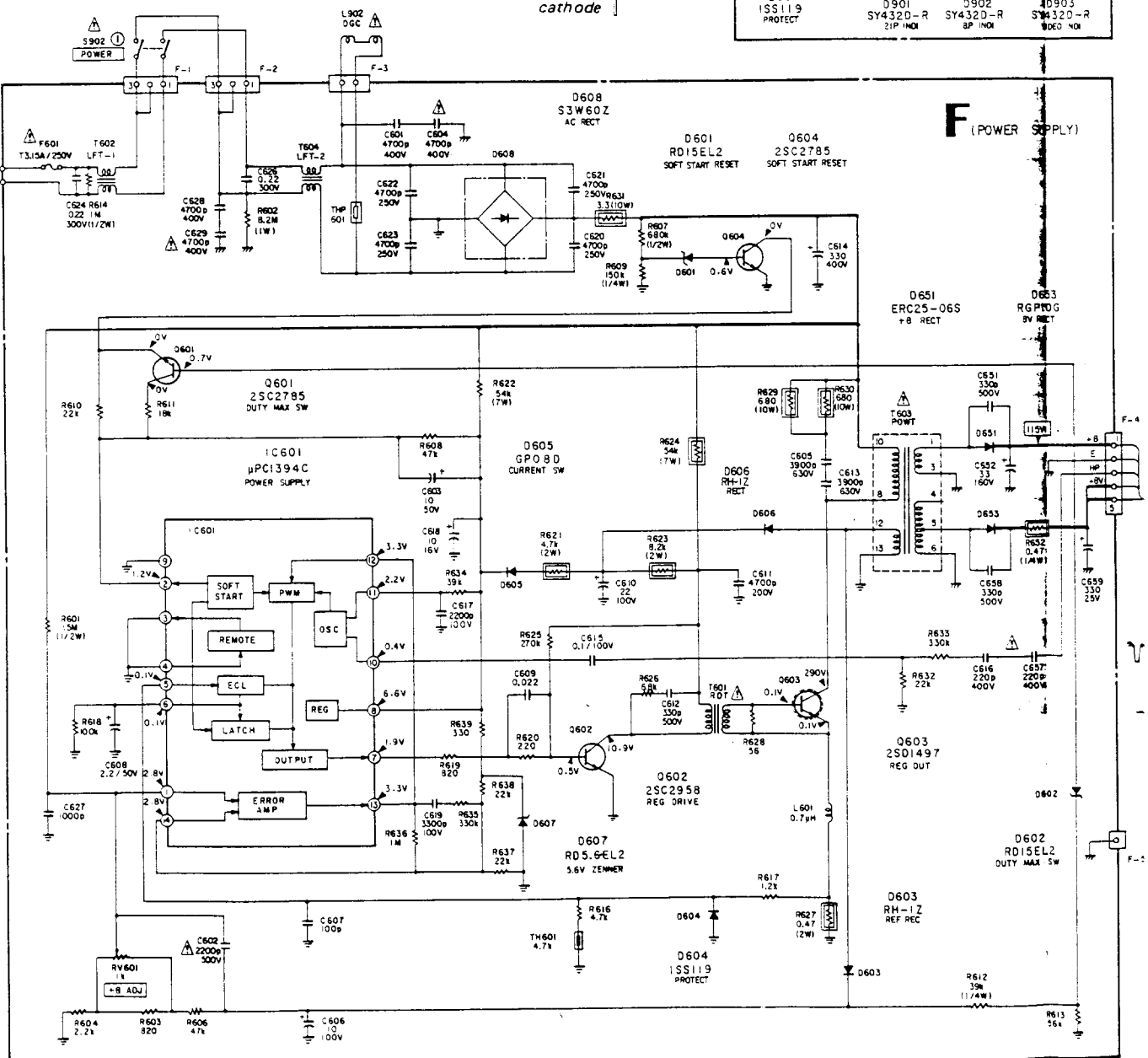
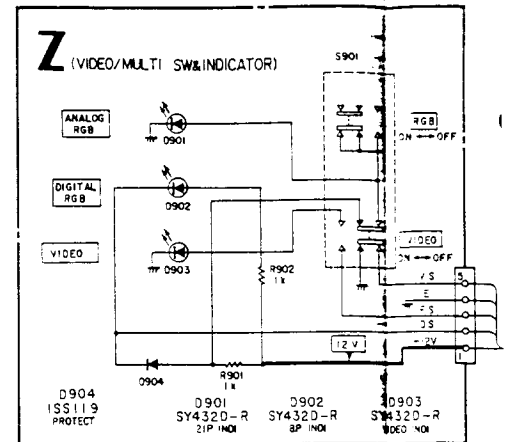
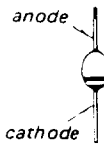
# SONY

SY432D

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 Oxfordshire, OX9 4QY.  
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 Fax (01844) 352554



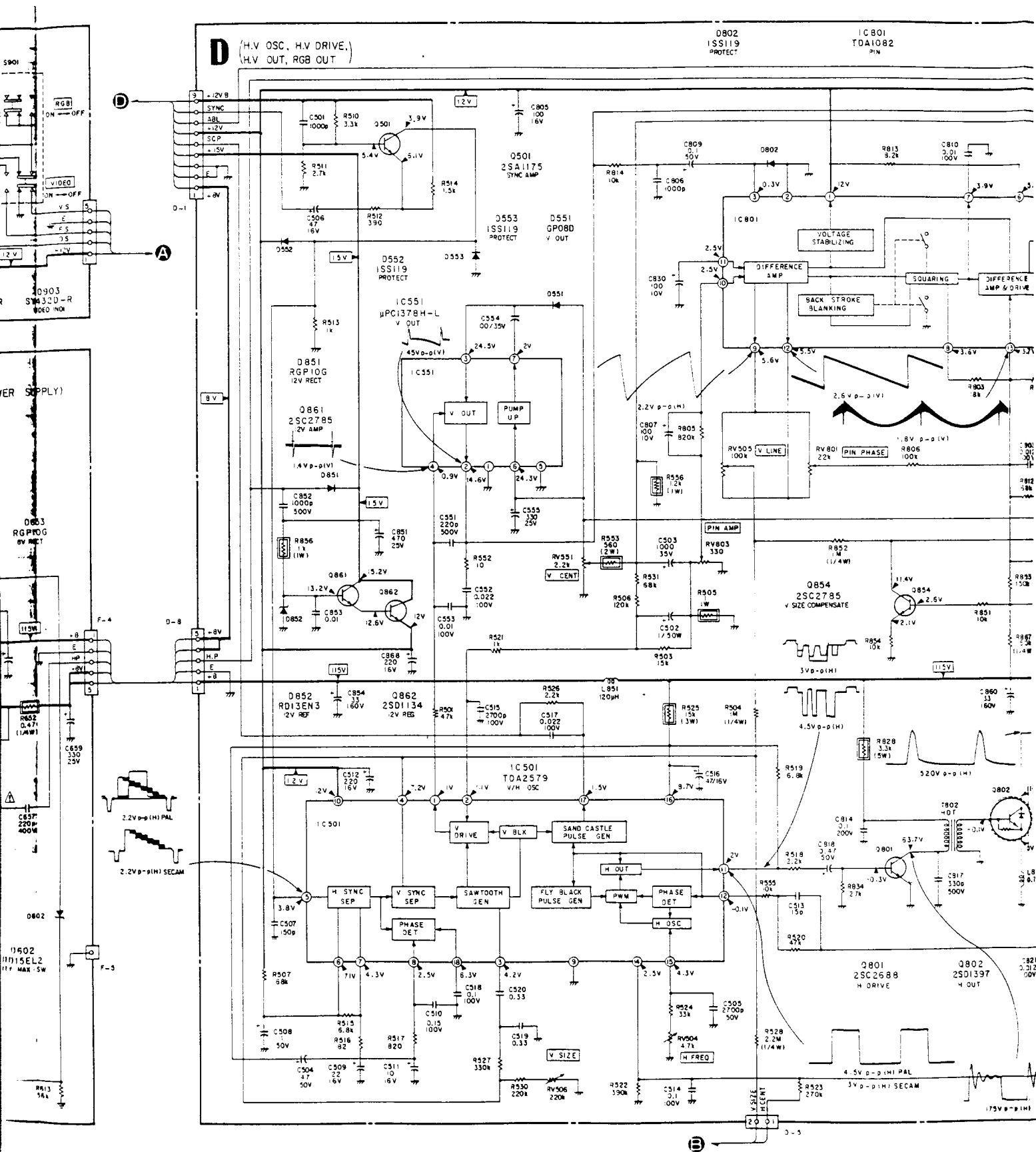
V06C  
 V19E



UK Model Only

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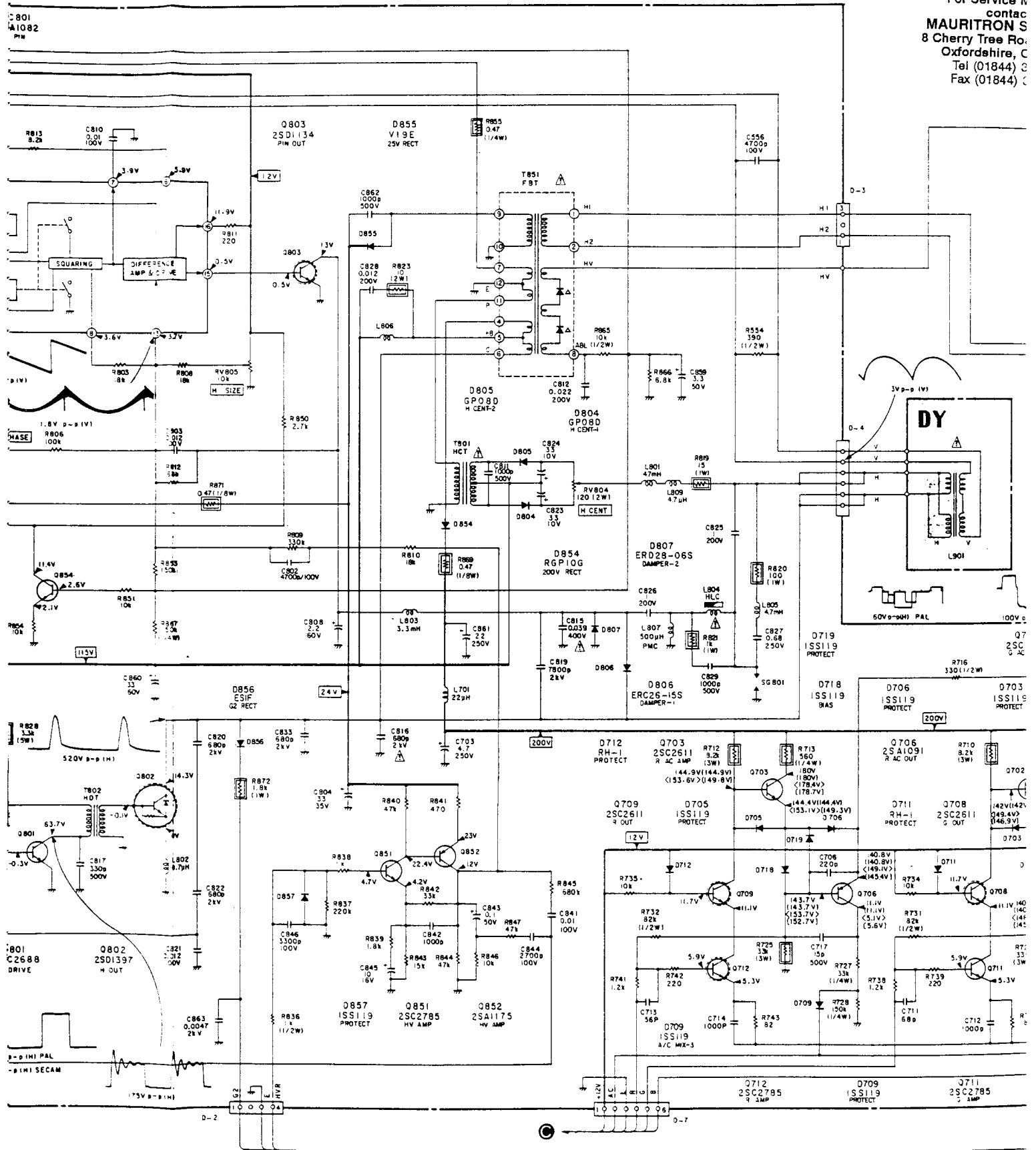
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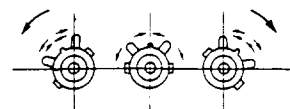
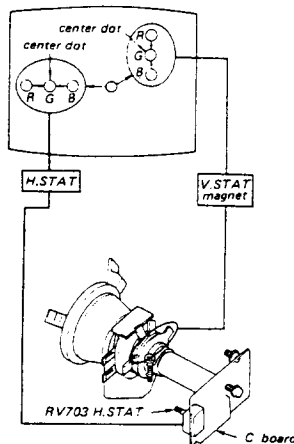
## 3-2. CONVERGENCE

### Preparation:

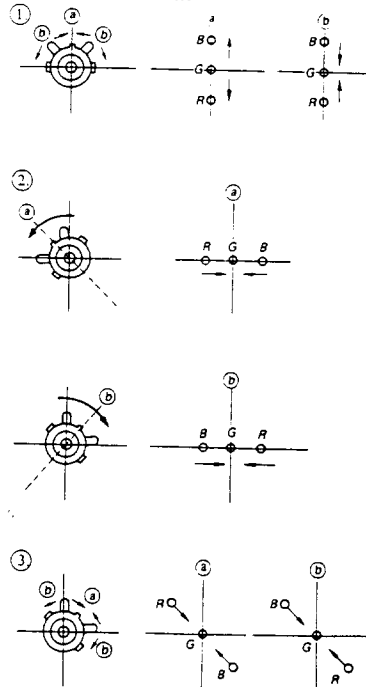
- Before starting, perform FOCUS, H.SIZE, V.SIZE and V.LIN adjustments.
- Turn BRIGHTNESS control fully counterclockwise and PICTURE VR to mechanical centre.
- Feed in the dot pattern.

### (1) Horizontal and Vertical Static Convergence

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



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

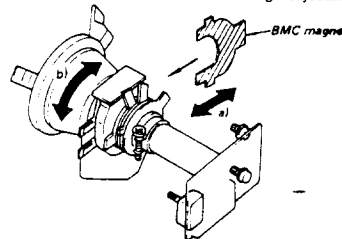


If blue dot does not coincide with red and green dots, perform following steps.

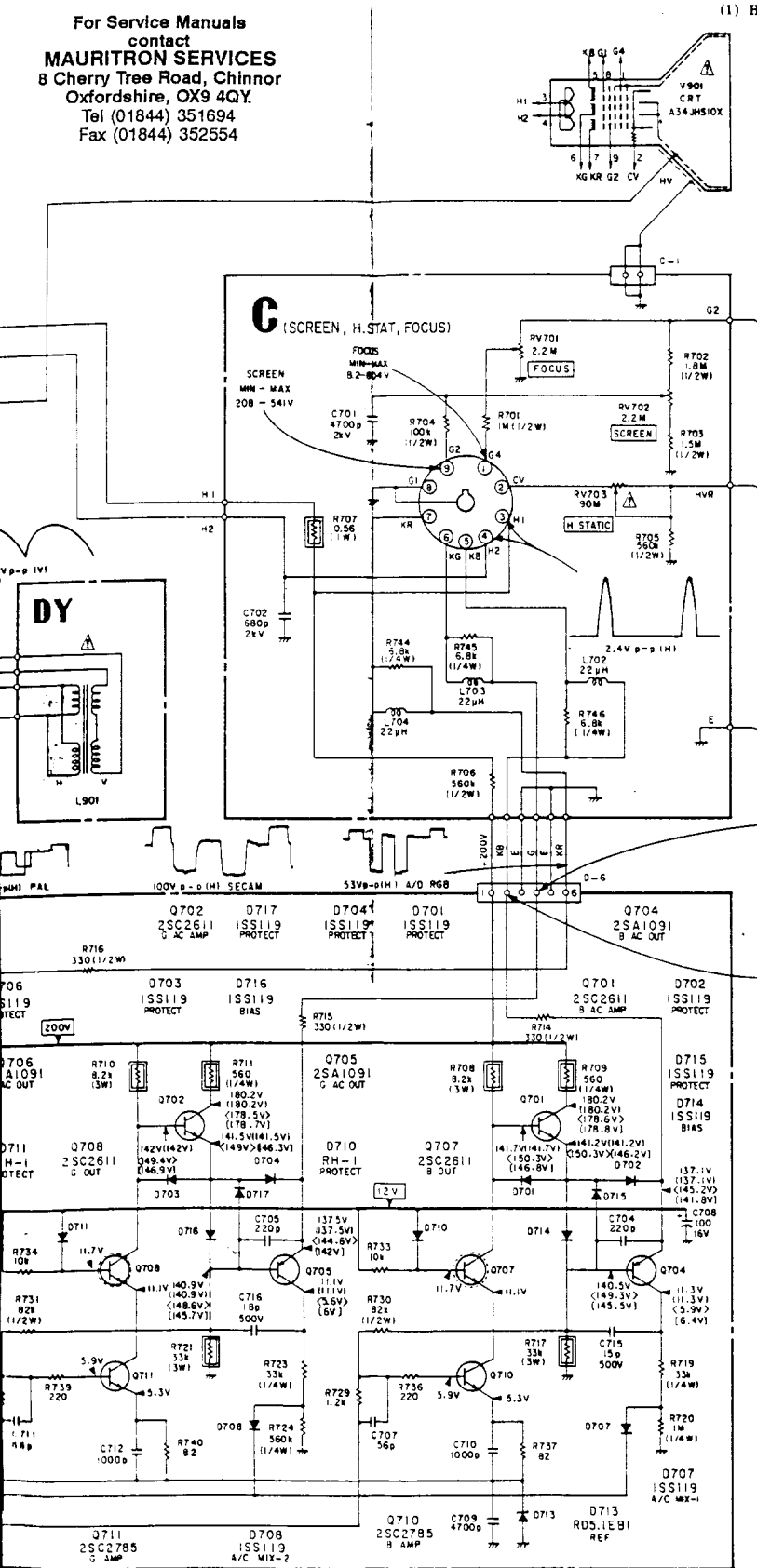
Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.



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## SET-UP ADJUSTMENTS

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

Controls and switch should be set as follows unless otherwise noted:

- picture control ..... maximum (fully clockwise)
- ☀ brightness control ..... maximum (fully clockwise)

Perform the adjustments in order as follows:

- 3-1. Beam Landing
- 3-2. Convergence
- 3-3. Focus (RV701)
- 3-4. White Balance

Note: Test Equipment Required.

1. Color-bar/Pattern Generator
2. Degausser

### 3-1. BEAM LANDING

1. Input a raster signal with the pattern generator. PICTURE BRT } normal
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly.
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red.
5. Switch over the raster signal to blue and green and confirm the condition.
6. When landing at the corners is not right, adjust by using the magnet.
7. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.

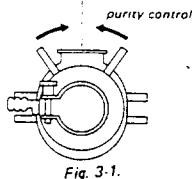


Fig. 3-1.

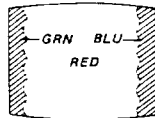
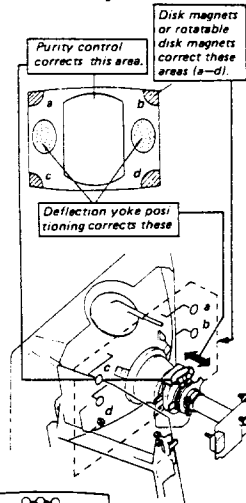


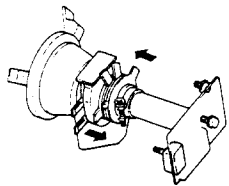
Fig. 3-2.



Disk magnets or rotatable disk magnets correct these areas (a-d).

Purity control corrects this area.

Deflection yoke positioning corrects these

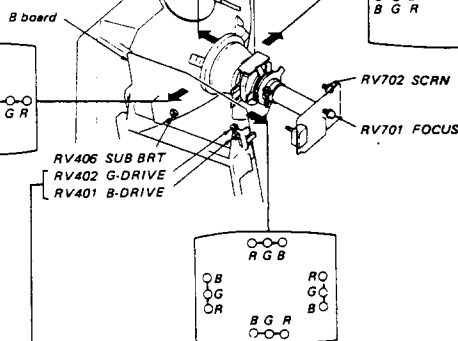
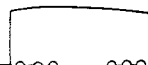
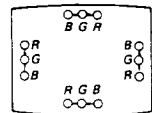


### (2) Dynamic Convergence Adjustment

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.



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### 3-3. FOCUS (RV701)

Adjust Focus VR (RV701) for a best Picture.

### 3-4. WHITE BALANCE

1. Receive a monoscope signal. PICTURE VR ..... 50%  
BRT VR ..... center click  
G (RV402) DRIVE VR } ..... 50%  
B (RV401) DRIVE VR }
2. Adjust white balance with G (RV402) and B (RV401), respectively.

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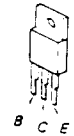
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2SC3460  
2SD1397  
2SD1497



2SD1134



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GP08D  
RGP10G



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1SS133  
1SS148



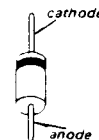
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RH-1Z  
SIB01-02



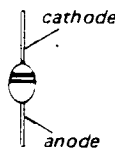
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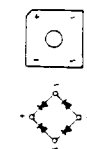
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RD5.6EL2  
RD6.2EB1  
RD8.2EN2



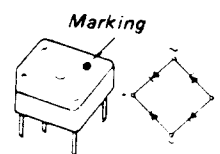
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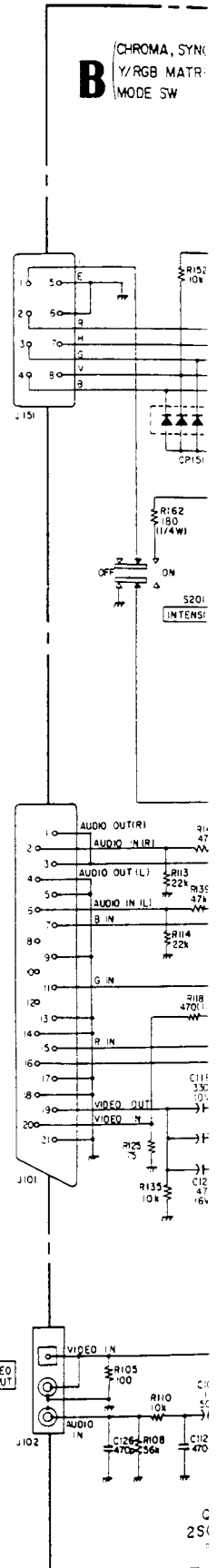
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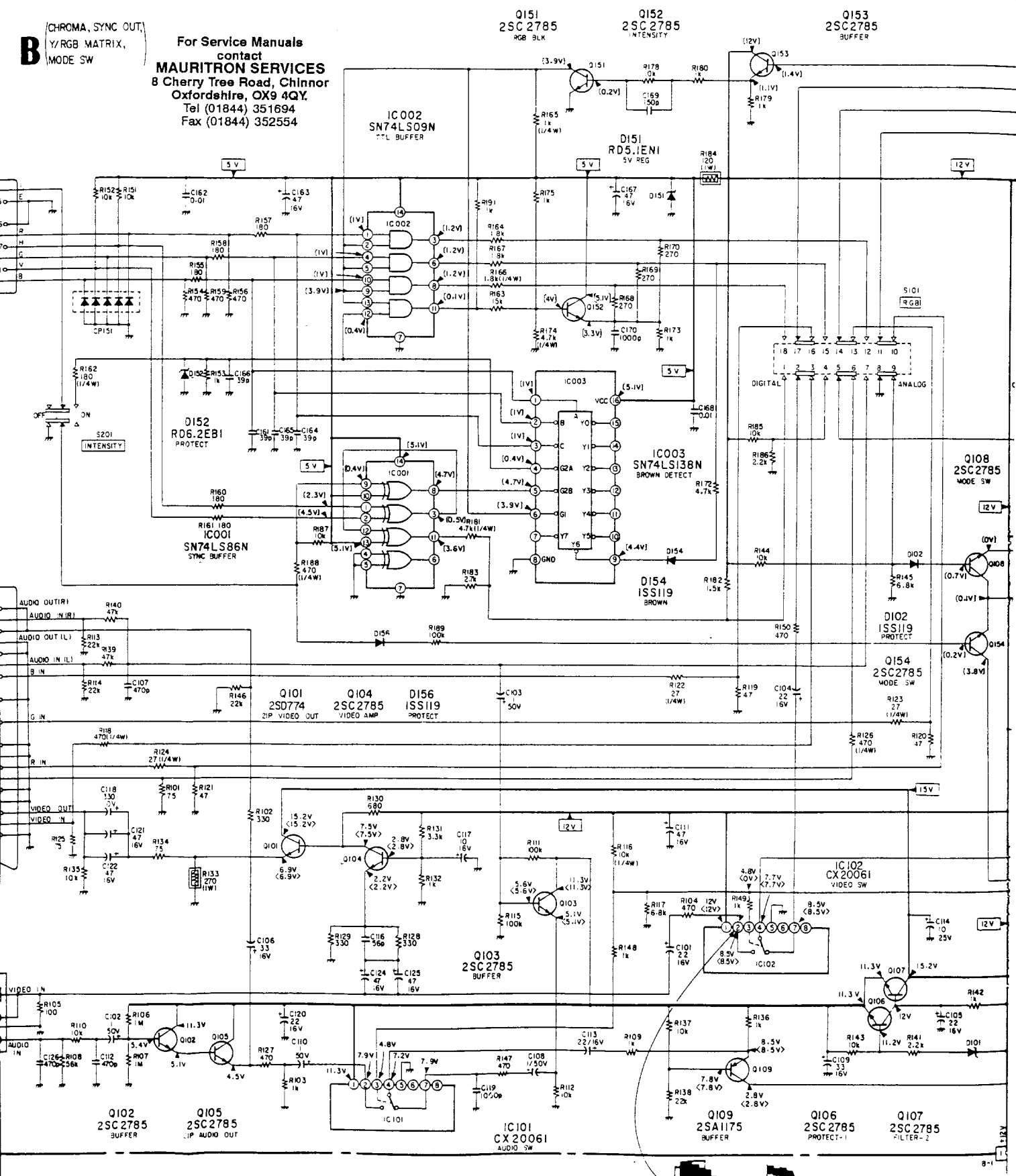


CHROMA, SYNC  
Y/RGB MATR  
MODE SW



**B** CHROMA, SYNC OUT,  
Y/RGB MATRIX,  
MODE SW

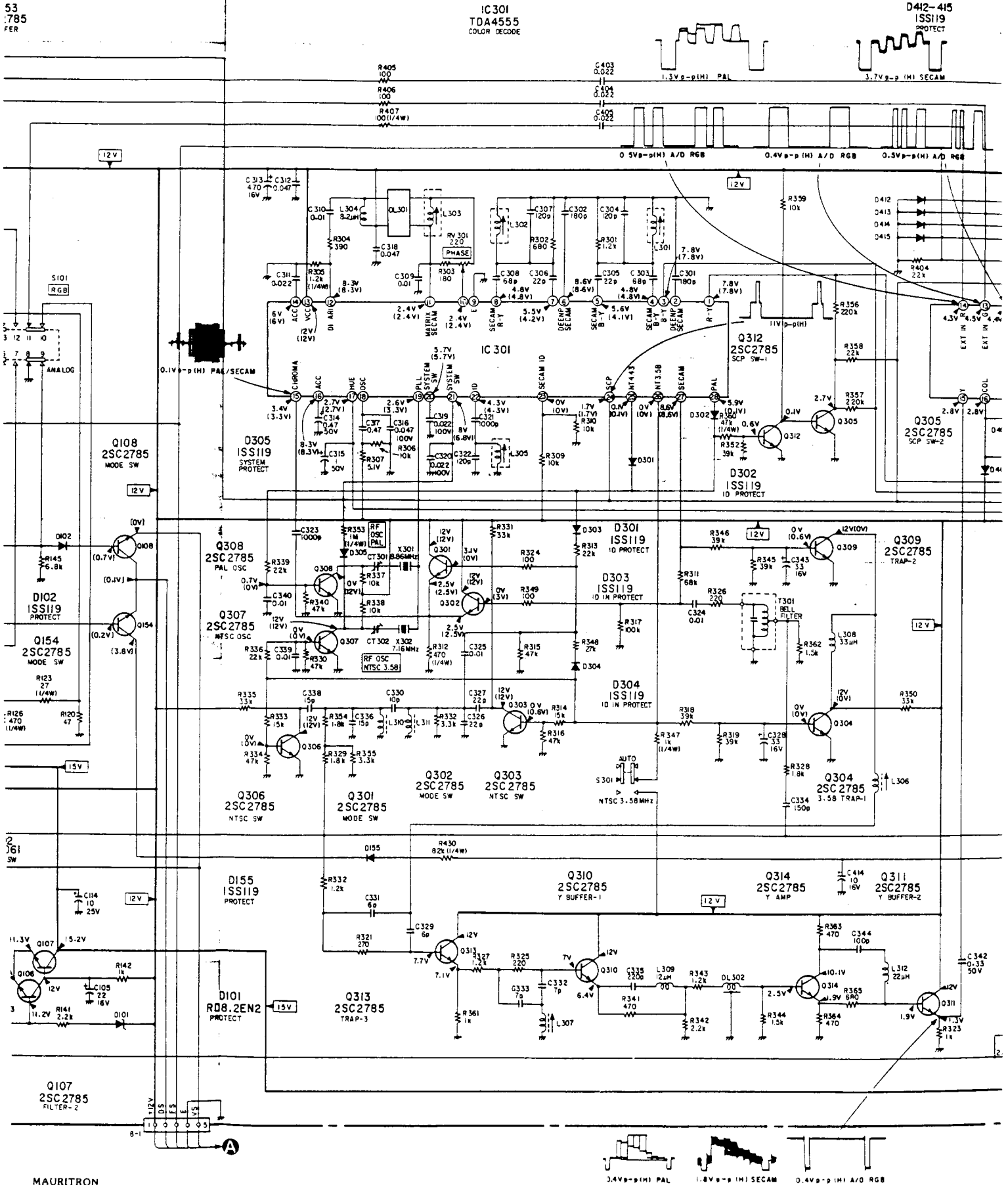
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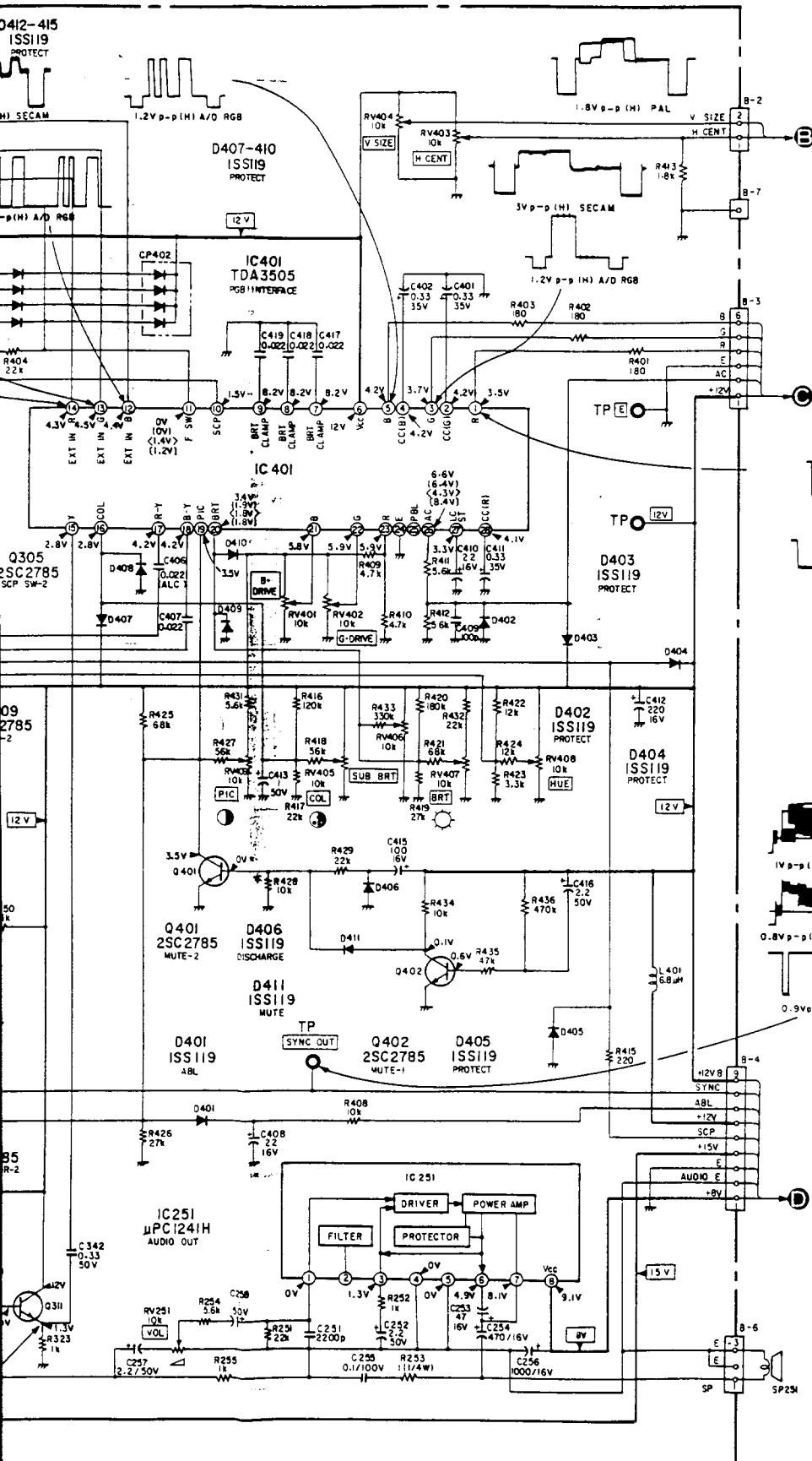
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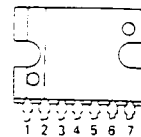
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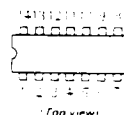
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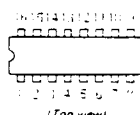
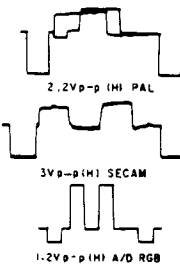
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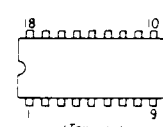
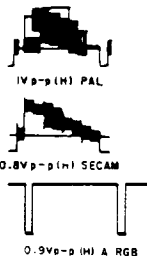
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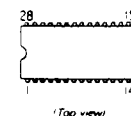
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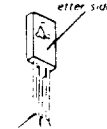
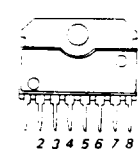
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