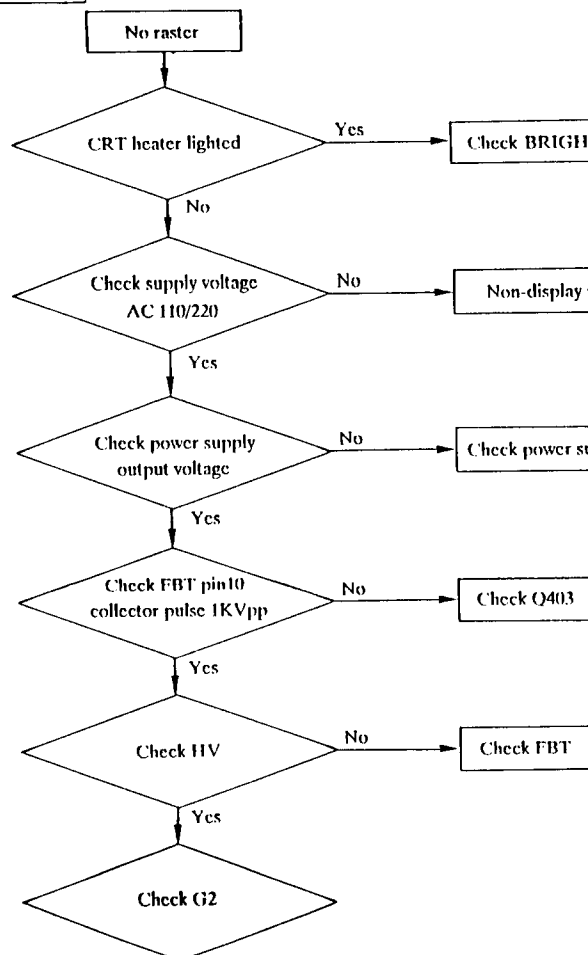
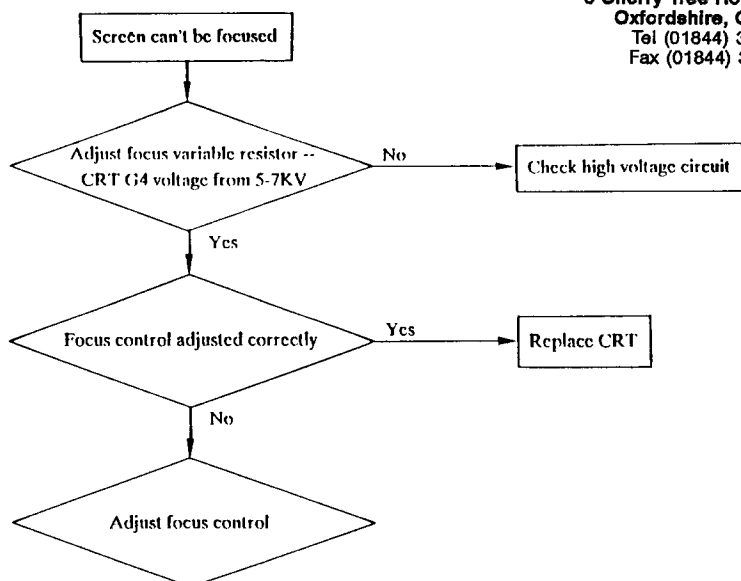
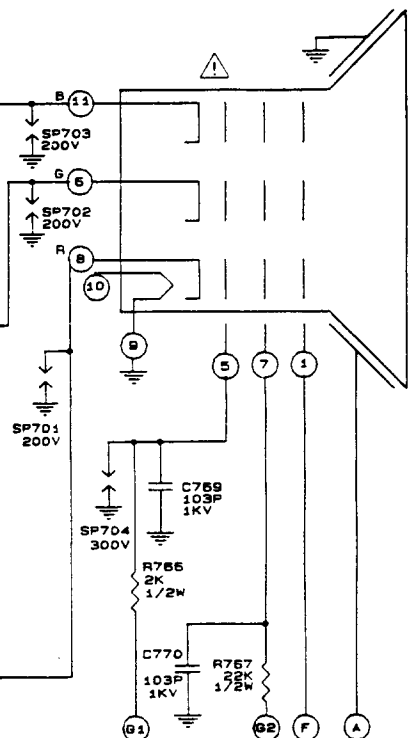


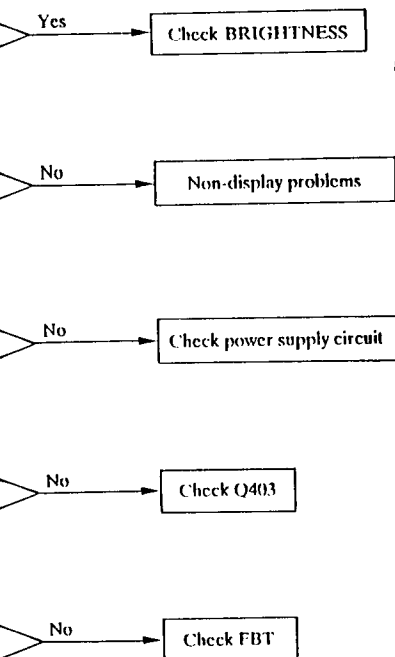
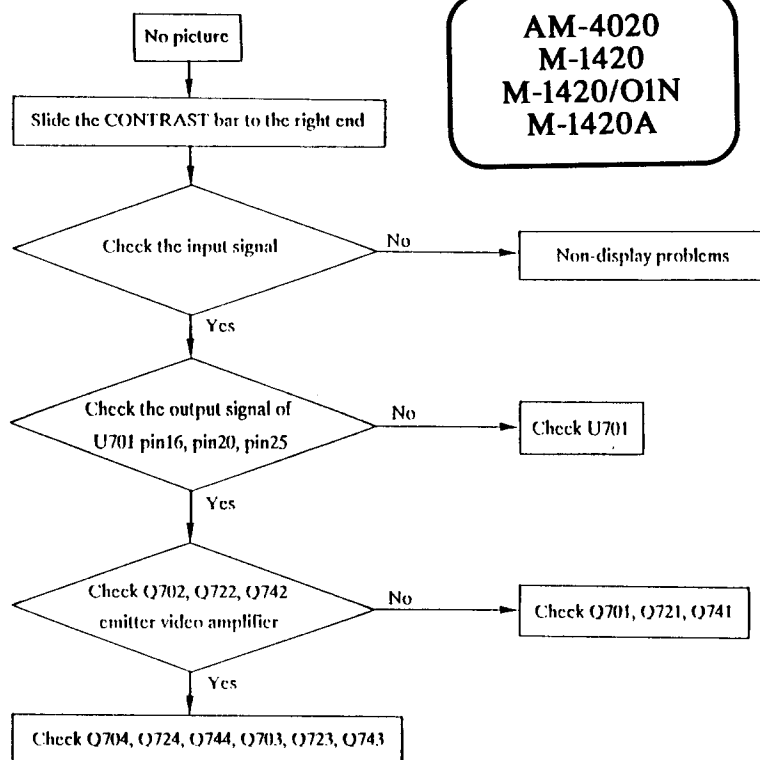
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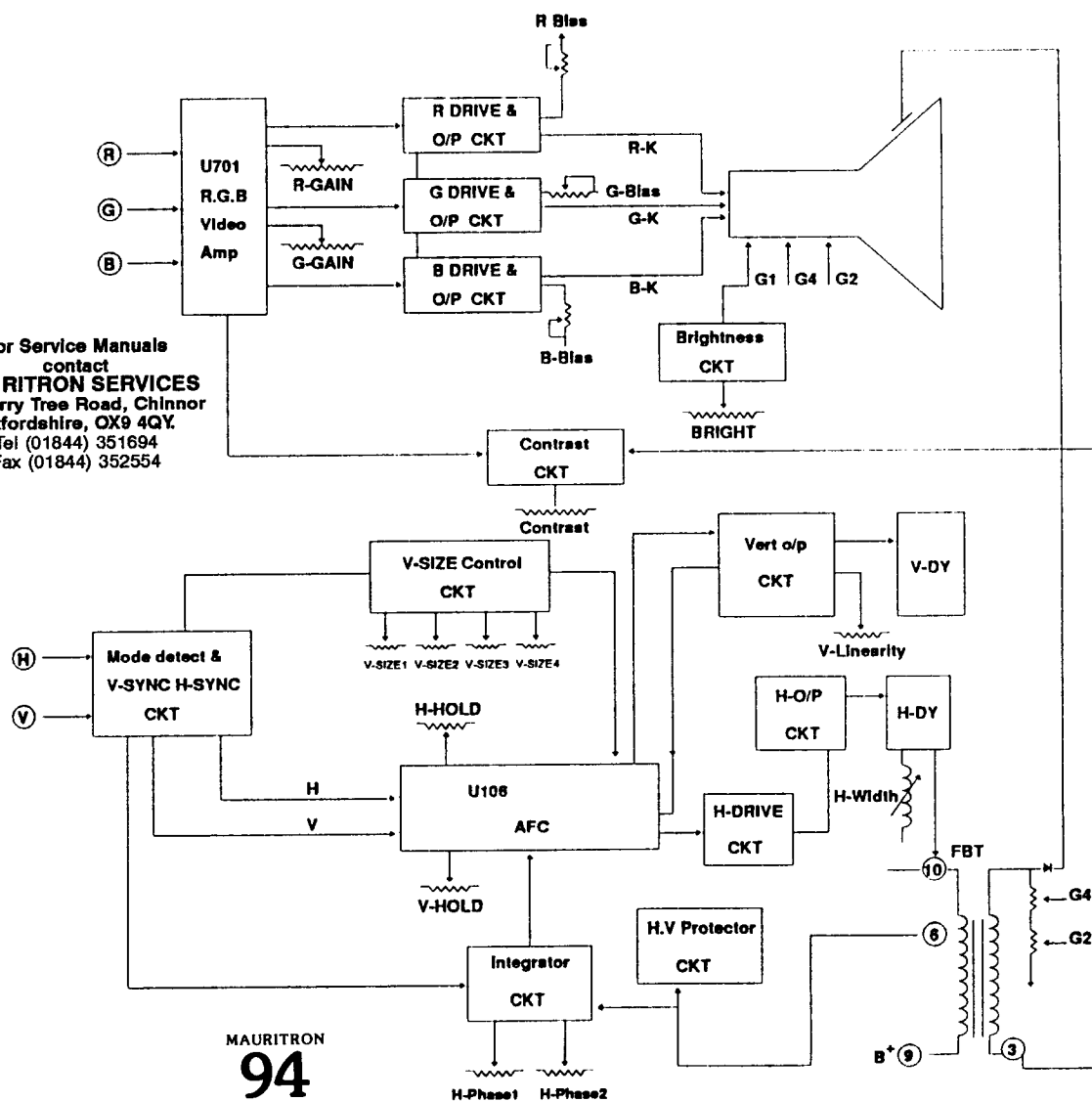


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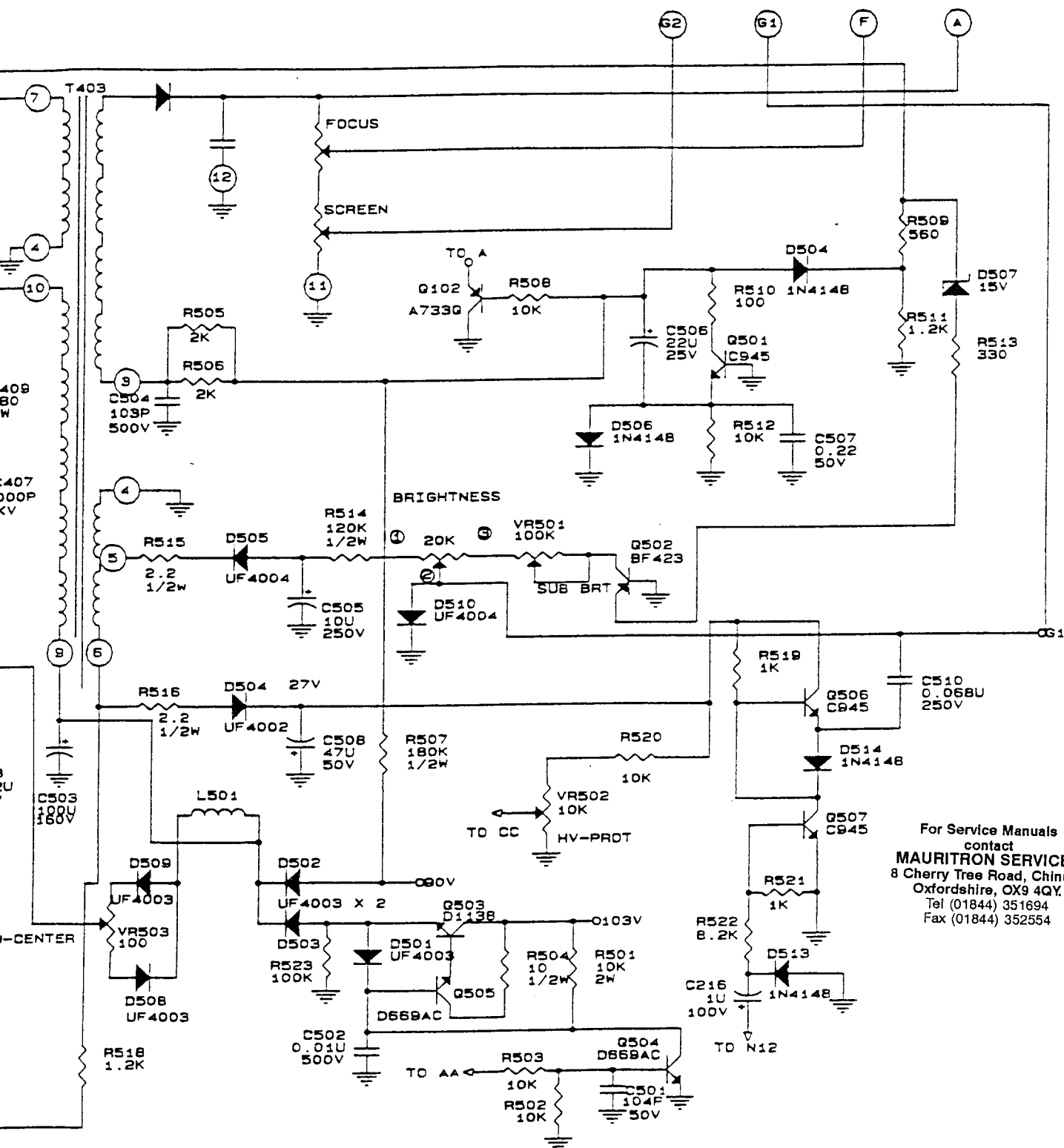
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M-1420
M-1420/O1N
M-1420A**



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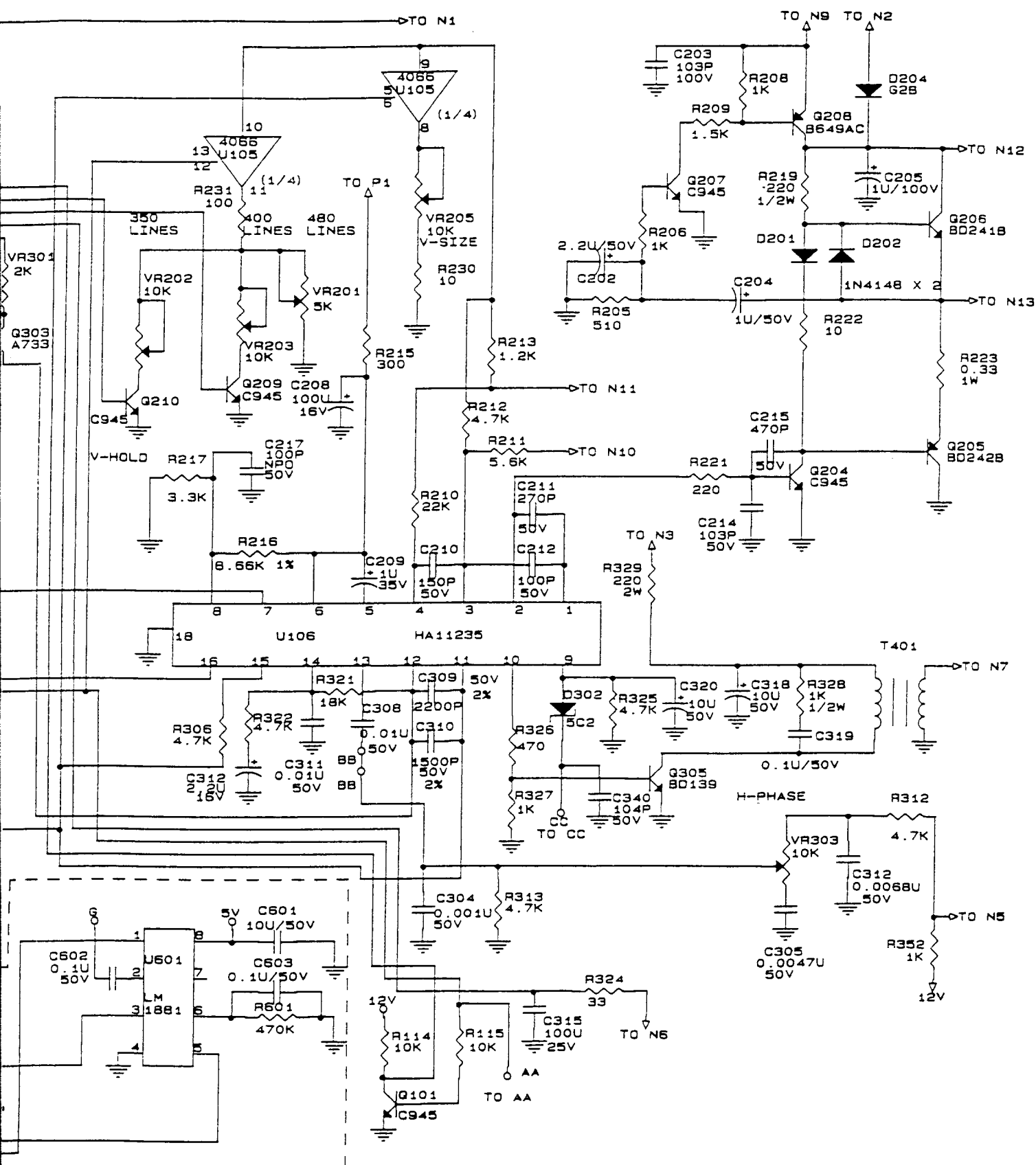


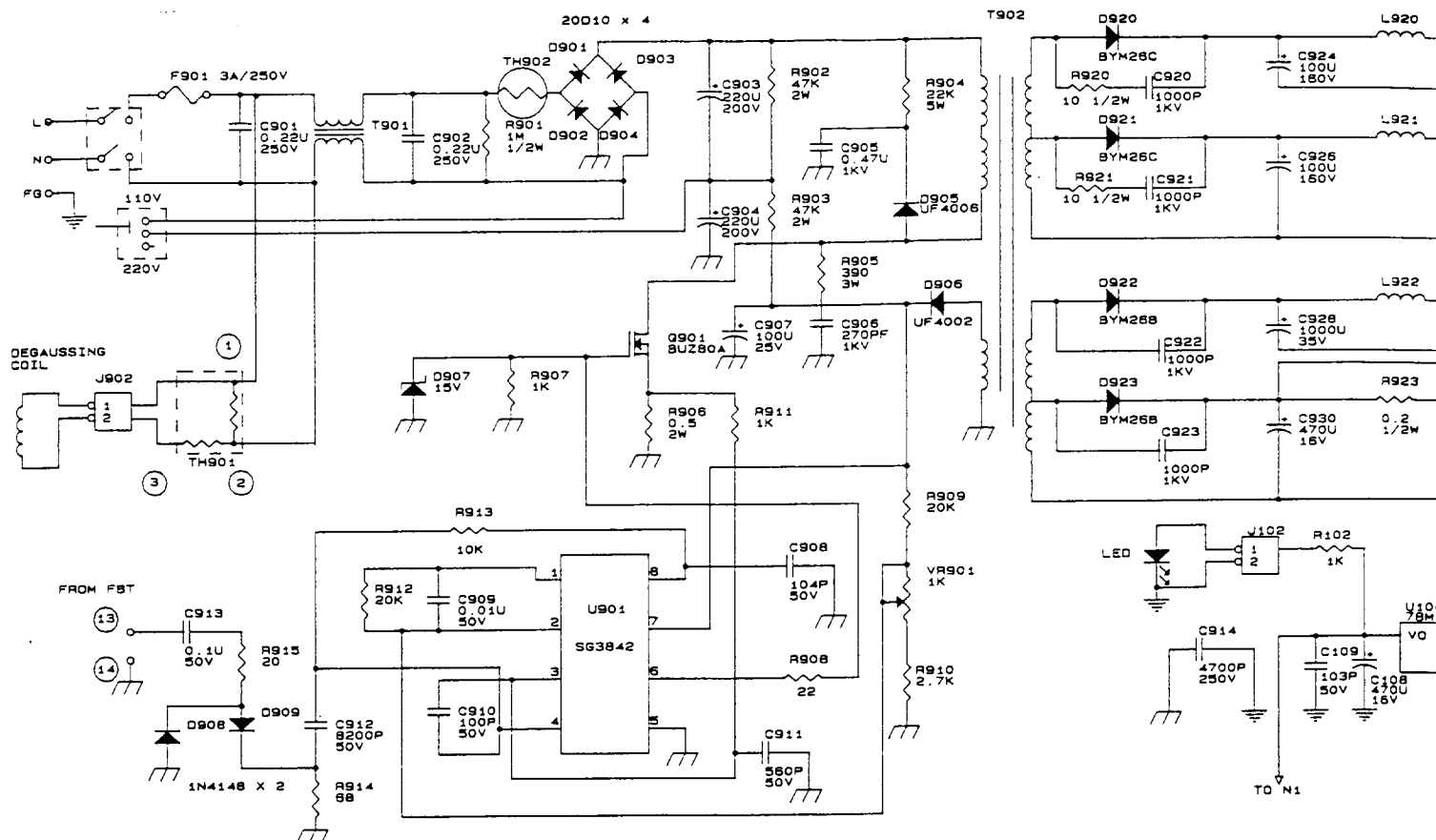


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Turn VR702, VR722, VR742 clockwise to the end and the other variable resistors to the mid-position. Warm up for at least thirty minutes.

1. B⁺ ADJUSTMENT:

- Apply 31.5 KHz cross hatch pattern.
- Adjust VR901 to obtain 90V DC at D502 cathode end.

2. CUT-OFF (G1) VOLTAGE ADJUSTMENT:

- Adjust the BRIGHTNESS controller to the right end.
- Adjust VR501 (SUB-BRIGHTNESS) to obtain -20 volts at G1 point.

3. H FREE RUNNING:

- Make one end of R304 termination short.
- Apply 35KHz full white pattern.
- Adjust VR301 (H-HOLD) to obtain the best H FREE RUNNING.

4. H-CENTER ADJUSTMENT:

- Apply 31.5 KHz cross hatch pattern.
- Adjust G2 screen variable resistor to make raster visible.

- Adjust VR503 (H-CENTER) to put the raster on the center of the screen.

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5. H-PHASE ADJUSTMENT:

- Apply 31.5KHz cross hatch pattern.
- Adjust VR303 (H-PHASE) until the the in

6. H-WIDTH ADJUSTMENT:

- Apply 31.5KHz cross hatch pattern.
- Adjust L402 to obtain 240mm horizontal w

7. V-CENTER ADJUSTMENT:

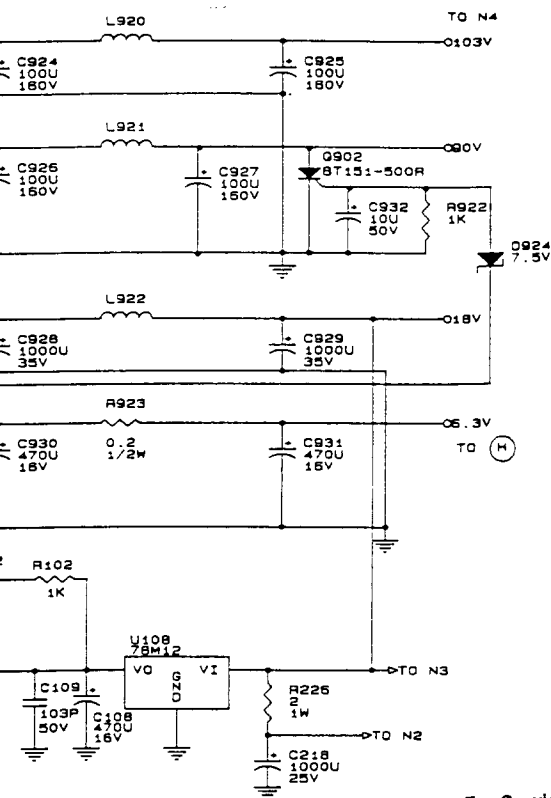
- Apply 31.5KHz cross hatch pattern.
- Adjust VR206 (V-CENTER) to place the

8. V-LINEARITY ADJUSTMENT:

- Apply 31.5KHz cross hatch pattern.
- Adjust VR204 (V-LIN) to meet the linear

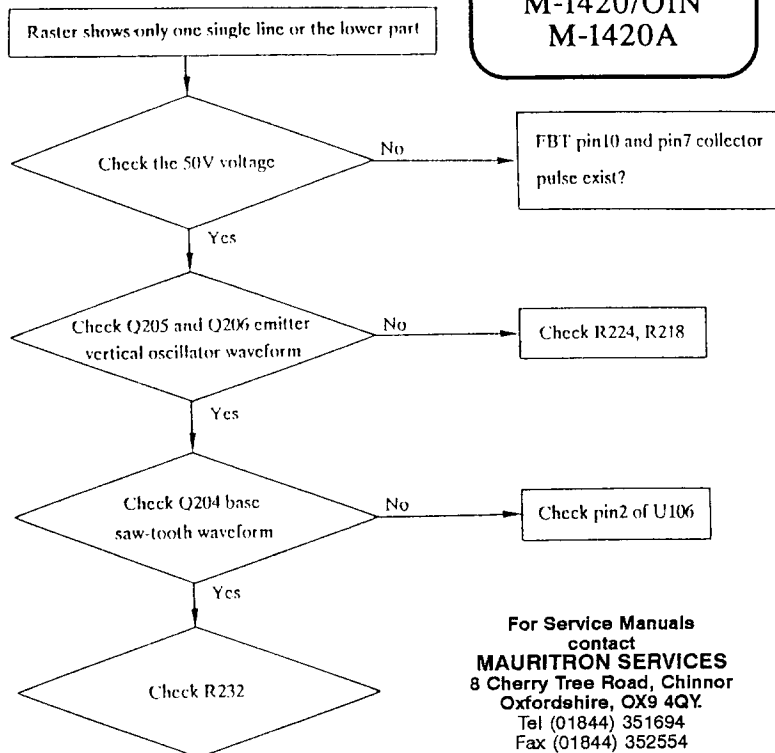
9. V-SIZE ADJUSTMENT:

- Apply VGA cross hatch pattern in 480 m vertical size.
- Apply VGA cross hatch pattern in 400 m vertical size.
- Apply VGA cross hatch pattern in 350 m vertical size.



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10. PIN-CUSHION ADJUSTMENT:

- Apply 31.5KHz cross hatch patten.
- Adjust VR401 (PIN-GAIN) and VR402 (PIN-PHASE) to meet the pincushion's specifications.

11. HV PROTECTION ADJUSTMENT:

- Apply 31.5KHz cross hatch patten.
- Adjust VR502 (X-RAY) to obtain 3.7V DC at D302 Cathode end.

12. BLACK LEVEL ADJUSTMENT:

- Apply raster pattern only.
- Adjust the BRIGHTNESS controller to the right end and the CONTRAST controller to the left end.
- Adjust G2 variable resistor to obtain 0.8~1.2FL on the screen.
- Keep the original raster colors and adjust VR702, VR722, VR742 to obtain 0.240±0.02/0.250±0.02 X/Y coordinates.

13. WHITE BALANCE:

- Apply 31.5KHz full white pattern.
- Adjust the BRIGHTNESS controller to the mid-position and the CONTRAST controller to the right end.
- Adjust VR701, VR721 to obtain 0.281/0.311 X/Y coordinates.
- Adjust the CONTRAST controller to get Y = 3.5FL.