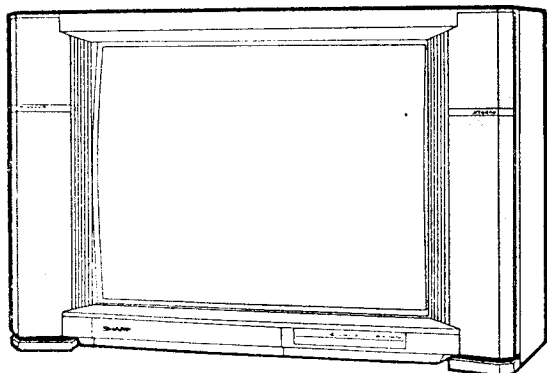


SHARP SERVICE MANUAL SERVICE-ANLEITUNG

SEAGDV25073S/



PAL/SECAM SYSTEM TELEVISION
PAL/SECAM SYSTEM FERNSEHGERÄT

DV-25073S
MODELS
MODELLE **DV-28073S**

In the interests of user-safety and in compliance with safety regulations in some countries, this set should be restored to its original condition and only the parts identical to those specified should be used.

Im Interesse der Benutzer und in einigen Länder durch Sicherheitsvorschriften gefordert sollte dieses Gerät wieder auf seinen ursprünglichen Zustand eingestellt und nur die vorgeschriebenen Teile verwendet werden.

CONTENTS

INDEX

	Page		Seite
• ELECTRICAL SPECIFICATIONS	2	• TECHNISCHE DATEN	2
• IMPORTANT SERVICE NOTES	3	• WICHTIGE SERVICE-HINWEISE	4
• SERVICE ADJUSTMENTS	5- 8	• SERVICE-EINSTELLUNGEN	17-20
• TROUBLESHOOTING TABLES	9-16	• FEHLERSUCHTABELLEN	21-28
• CHASSIS LAYOUT DIAGRAM	29-30	• CHASSISANORDNUNGSDIAGRAMME	29-30
• PRINTED WIRING BOARDS	31-36	• LEITERPLATTENEINHEITEN	31-36
• SCHEMATIC DIAGRAMS AND WAVEFORMS	37-50	• SCHEMATISCHER SCHWACHSTROM- UND SIGNALFORMEN	37-50
• BLOCK DIAGRAMS	51-63	• BLOCKSCHALTPLAN	55-64
• PARTS LIST	65-75	• ERSATZTEILLISTE	65-75

SHARP CORPORATION

RTV servis Horvat

Kešinci, 31402 Semeljci

Tel : 031-856-637

Tel / fax : 031-856-139

Mob : 098-788-319

rtv-servis-horvat@os.tel.hr

SERVICE ADJUSTMENT

PIF/AFT/SIF/AGC/+B ADJUSTMENT

1. VCO T204 for Picture

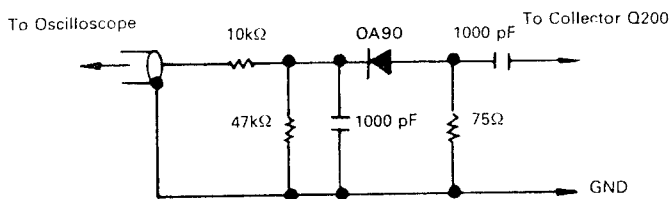
1. Apply 3V DC to pin⑥ of IC200.
2. Measure and record voltage at pin⑫ of IC200.
3. Apply carrier frequency of 38.9 MHz to pins⑧ and⑨ of IC200.
4. Adjust T204 to obtain same voltage value as step 2.

2. S detector T206 5.5 MHz for Sound

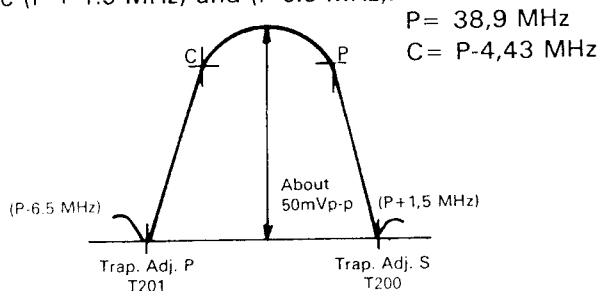
1. Apply carrier frequency of 5.5 MHz to pin⑬ of IC200.
2. Connect DC voltmeter to pin⑰ of IC200.
3. Adjust T206 to obtain 4.5 V at pin⑰ of IC200.

3. Trap T201, T200

1. Connect sweep generator output to TUNER Test Point.
2. Connect response cable with detector to collector line of Q200 (see diagram).



3. Adjust T200 (S-Trap) and T201 (P-Trap) so that traps are (P + 1.5 MHz) and (P - 6.5 MHz).



4. S2 Adjustment T208 5.74 MHz

1. Connect carrier frequency of 5.74 MHz to pin② of IC201.
2. Connect Voltmeter to pin⑧ of IC201.
3. Adjust T208 to obtain 3V DC.

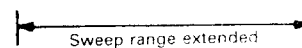
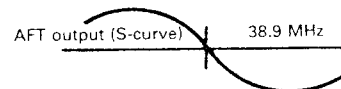
5. S-Level Adjustment R-231

1. Apply 3V DC to pin⑥ of IC200.
2. Connect Stereo signal to base of Q201 (CH1, L+R) (CH2, 2R).
3. Connect oscilloscope to pin⑫ of IC200 (SIF Unit).
4. Adjust R231 to obtain 0V(rms).

6. AFT Adjust T205

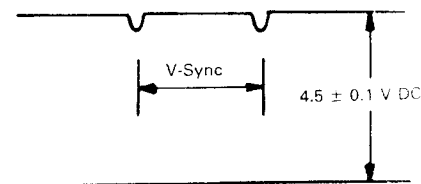
Coarse Adjustment

1. Connect sweep generator output to TUNER Test Point (T.P.).
2. Apply 3V DC to pin⑥ of IC200.
3. Connect response lead (containing 10k ohm resistor in series) to pin⑱ of IC200.
4. Adjust T205 to align Picture marker (38.9 MHz) of S-curve with base line.



Fine Adjustment

1. Short pins④ and⑤ of VC to ground.
2. Receive CH12 (Real CH mode).
3. Connect DC voltmeter to pin⑦ of FA.
4. Adjust T205 to obtain 4.5 V DC \pm 0.1 V.



7. RF AGC R219

1. Receive colour bar signal (signal strength: 53 dB).
2. Connect DC voltmeter to Test Point 201 (RF AGC).
3. Set AGC-VR (R219) to maximum position (memory).
4. Adjust R219 to obtain a voltage of 0.1V below maximum voltage (step 3).

8. +B 150 V Adjustment R716

1. Receive monoscope pattern signal.
2. Set contrast control to maximum (100%) position and brightness control to centre position (50%).
3. Connect DC voltmeter to cathode of D601.
4. Adjust R716 to obtain a voltage of 150 V \pm 0.5 V.

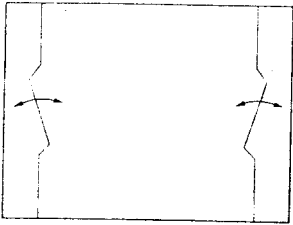


fig. 10

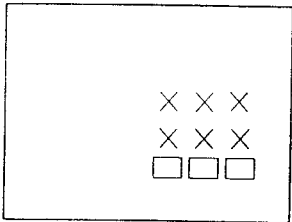


fig. 11

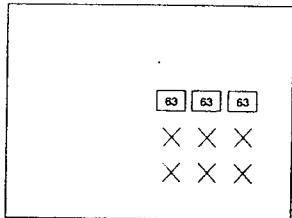


fig. 12

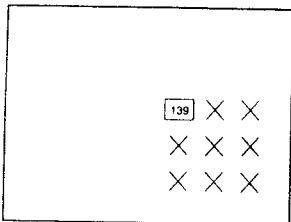


fig. 13

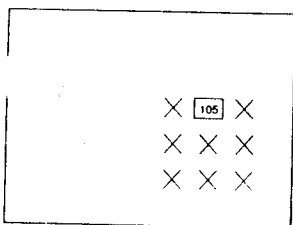


fig. 14

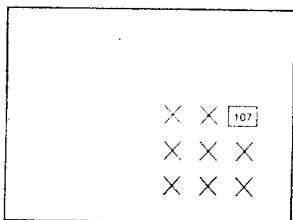


fig. 15

11. Trapezoid 2

- Receive Philips pattern signal.
- When volume-up button is pressed, side pincushion changes.
- When volume-down button is pressed, side pincushion changes.
- Adjust the Trapezoid 2 to obtain condition as in fig. 10.

12. Chroma-Luma Delay

- Receive Philips pattern signal.
- When volume-up button is pressed, luma phase delays.
- When volume-down button is pressed, chroma phase delays.
- Adjust the Chroma-Luma delay.

13. VCO Adjustment

- Receive Philips pattern signal.
- When volume-up button is pressed, VCO changes to high frequency.
- When volume-down button is pressed, VCO changes to low frequency.
- Adjust VCO to 4.43 MHz.

14. G2 Adjustment

- Receive monoscope pattern signal.
- First step, change mode to cutoff red.
- Adjust the value on the screen to 63 by the volume up/down button. (fig. 12).
- Second step, change mode to cutoff green.
- Same method as step (c).
- Third step, change mode to cutoff blue.
- Same method as step (c).
- Change mode to G2 Adjust.
- Adjust the screen VR (G2) to obtain value of 20-40, three values for RGB appear on the screen (fig. 11).

15. Cutoff red

- Receive monoscope pattern signal.
- Wait for stable picture.

16. Cutoff green

- Receive monoscope pattern signal.
- Wait for stable picture.

17. Cutoff blue

- Receive monoscope pattern signal.
- Wait for stable picture.

18. Drive Red

- Receive monoscope pattern signal.
- Adjust value on the picture to 139 (fig. 13).
- Wait for stable picture.

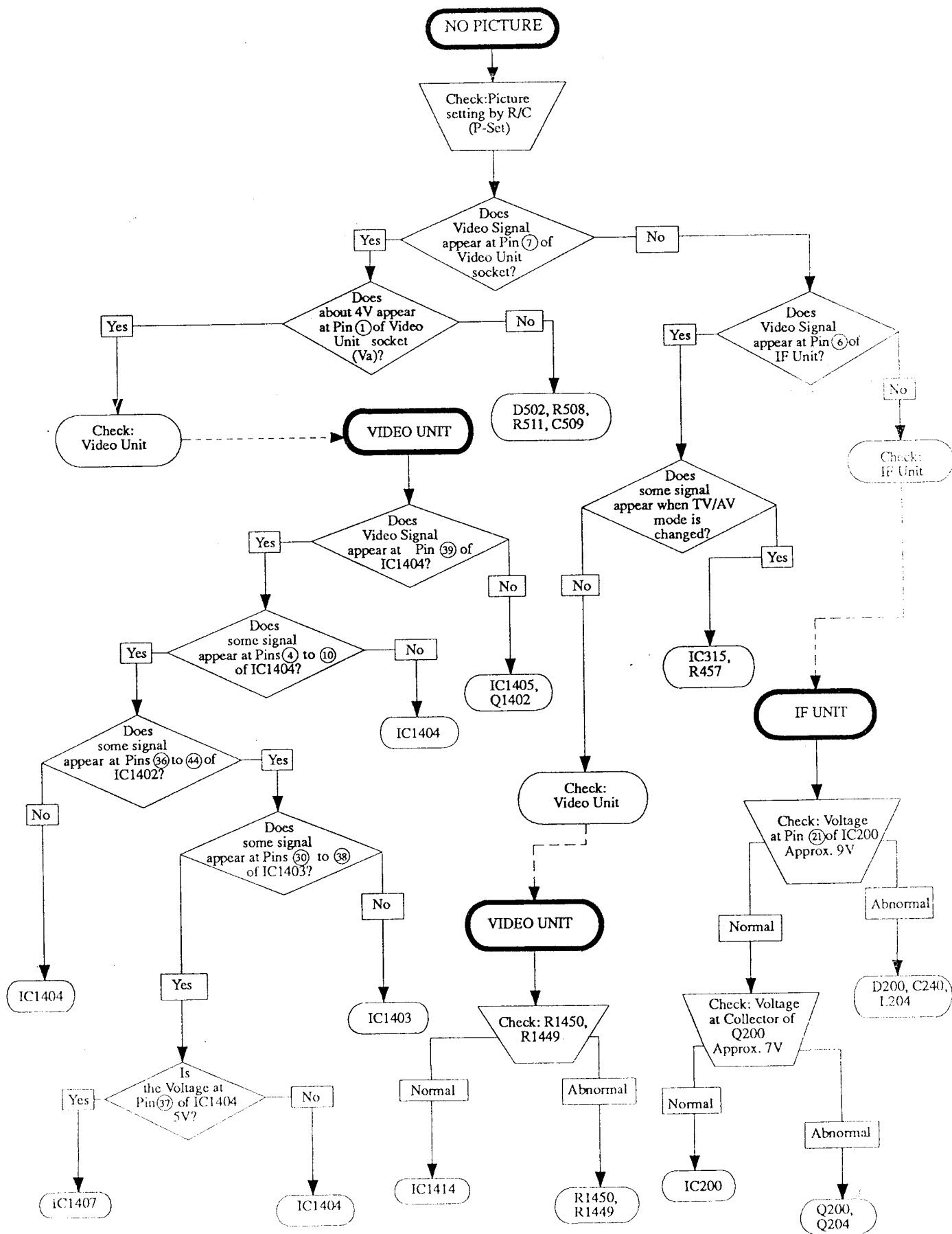
19. Drive Green

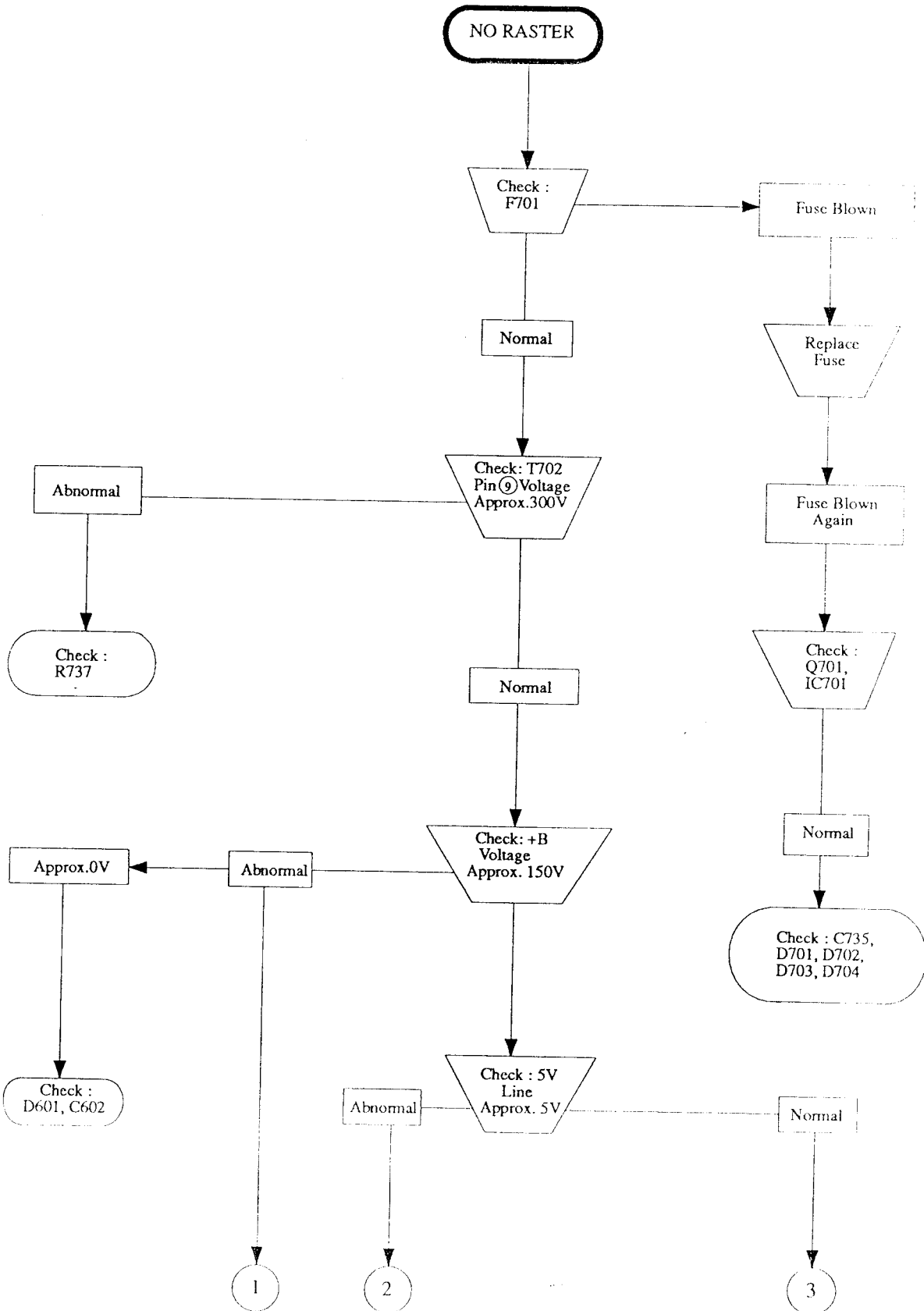
- Receive monoscope pattern signal.
- Adjust value on the picture to 105 (fig. 14).
- Wait for stable picture.

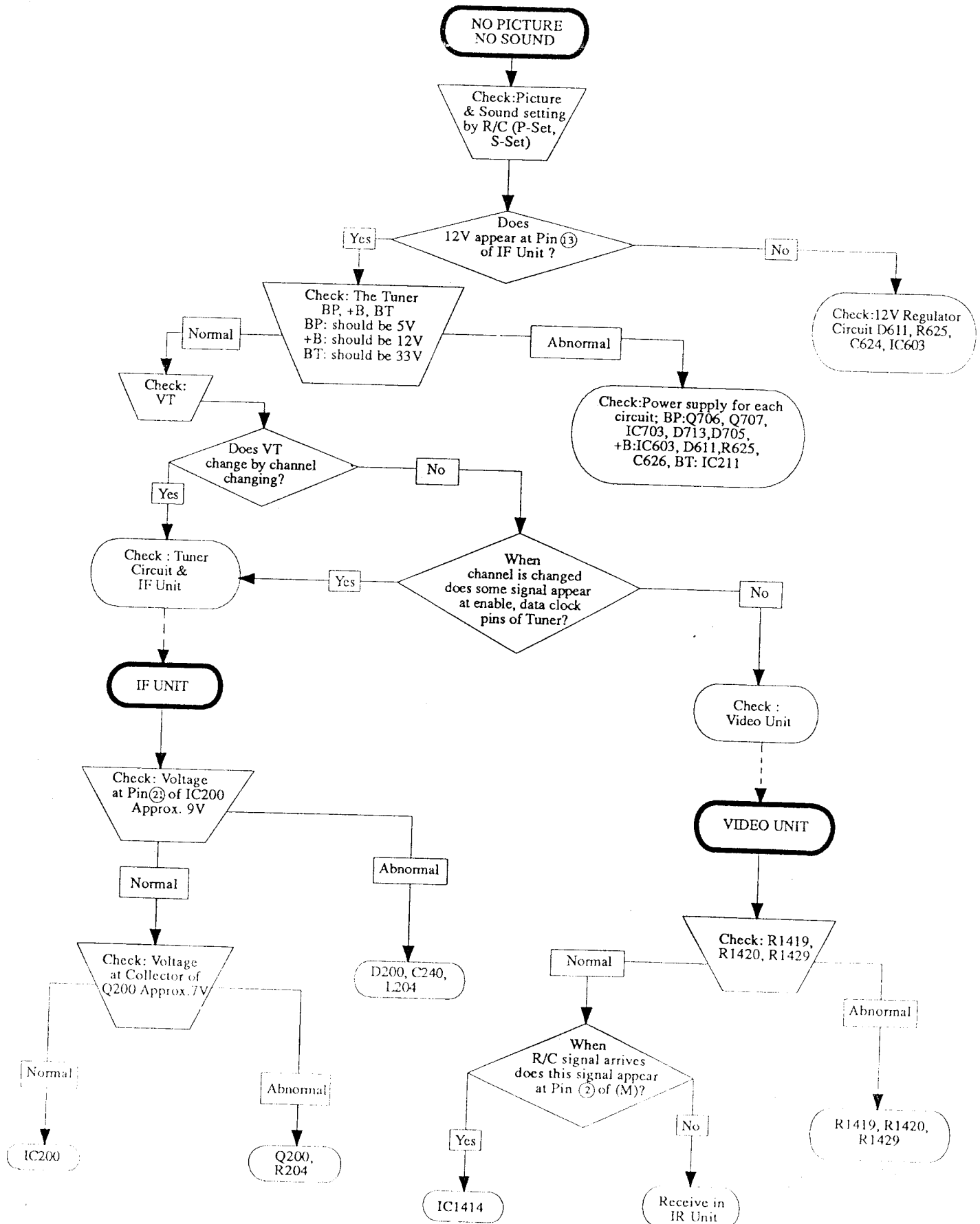
20. Drive Blue

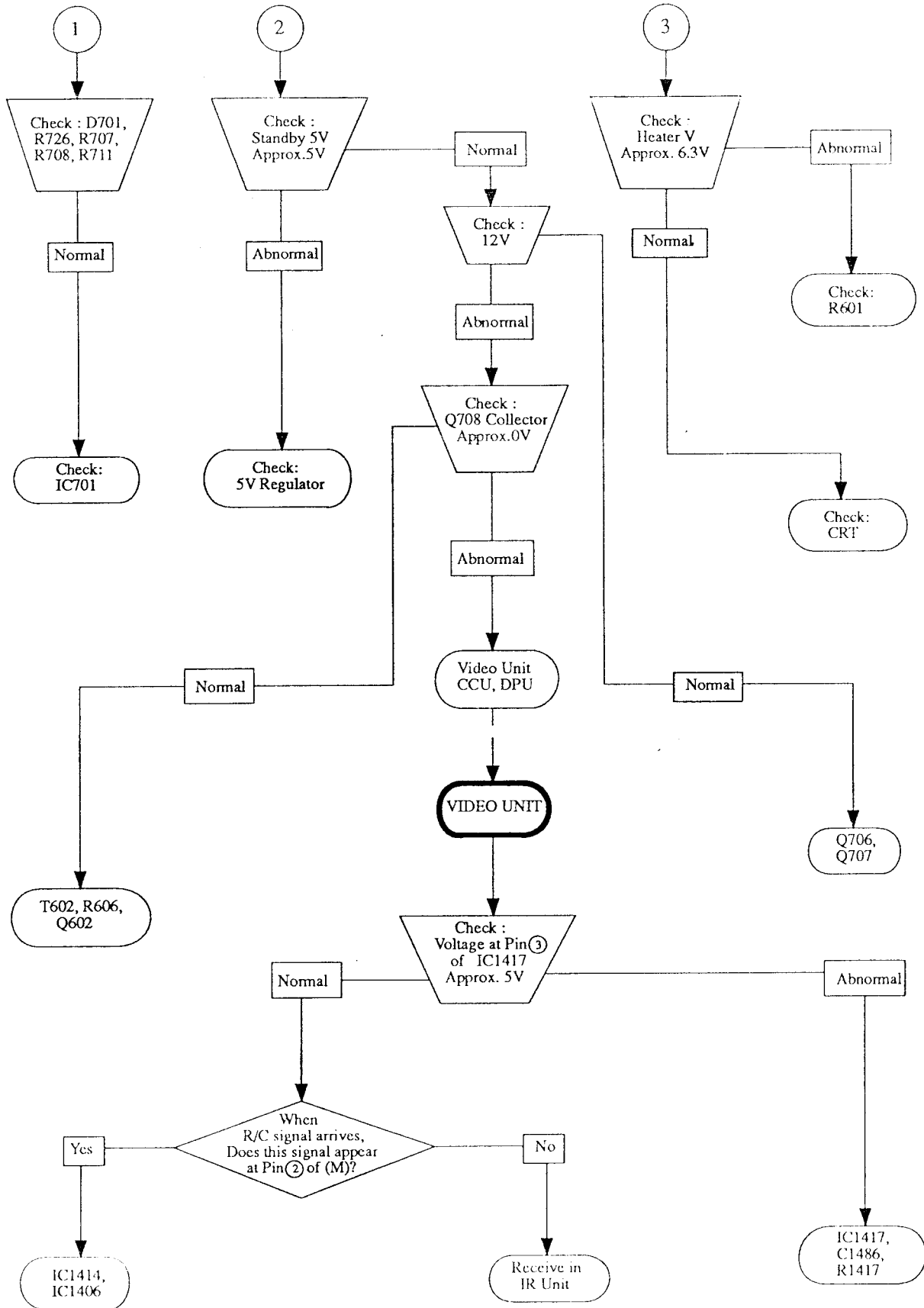
- Receive monoscope pattern signal.
- Adjust value on the picture to 107 (fig. 15)
- Wait for stable picture.

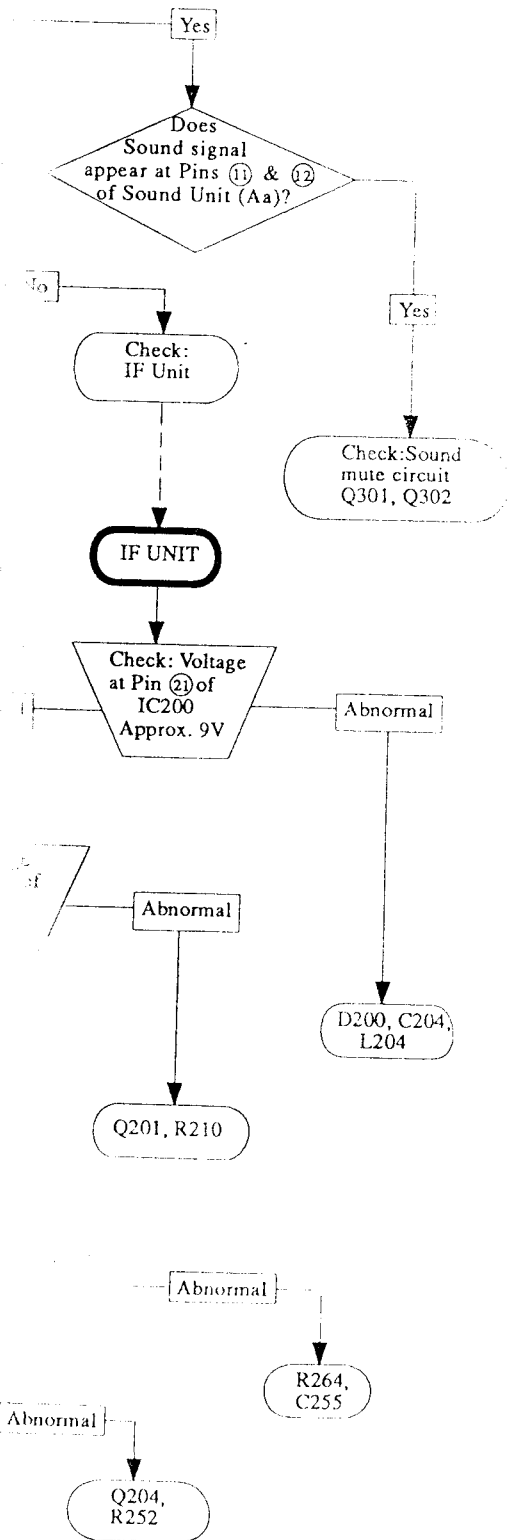
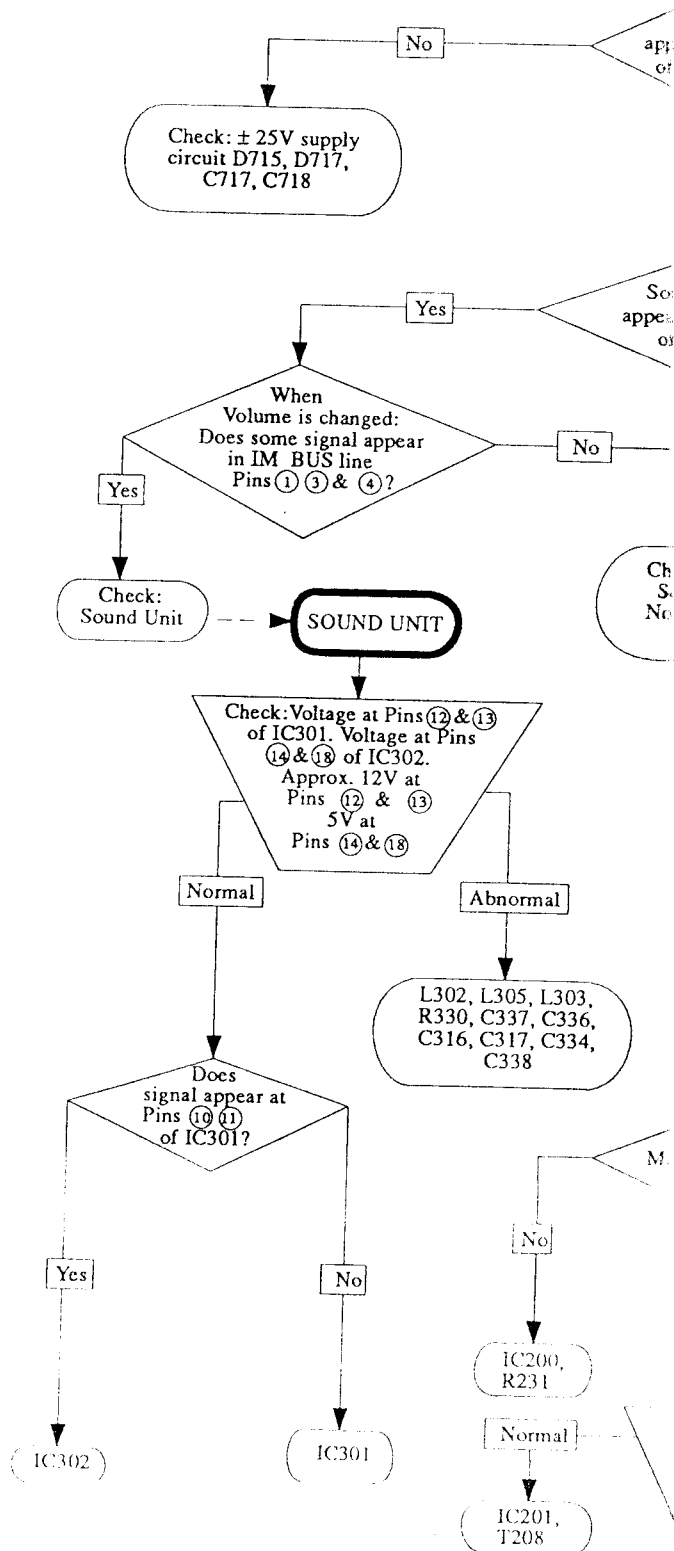
TROUBLESHOOTING TABLES

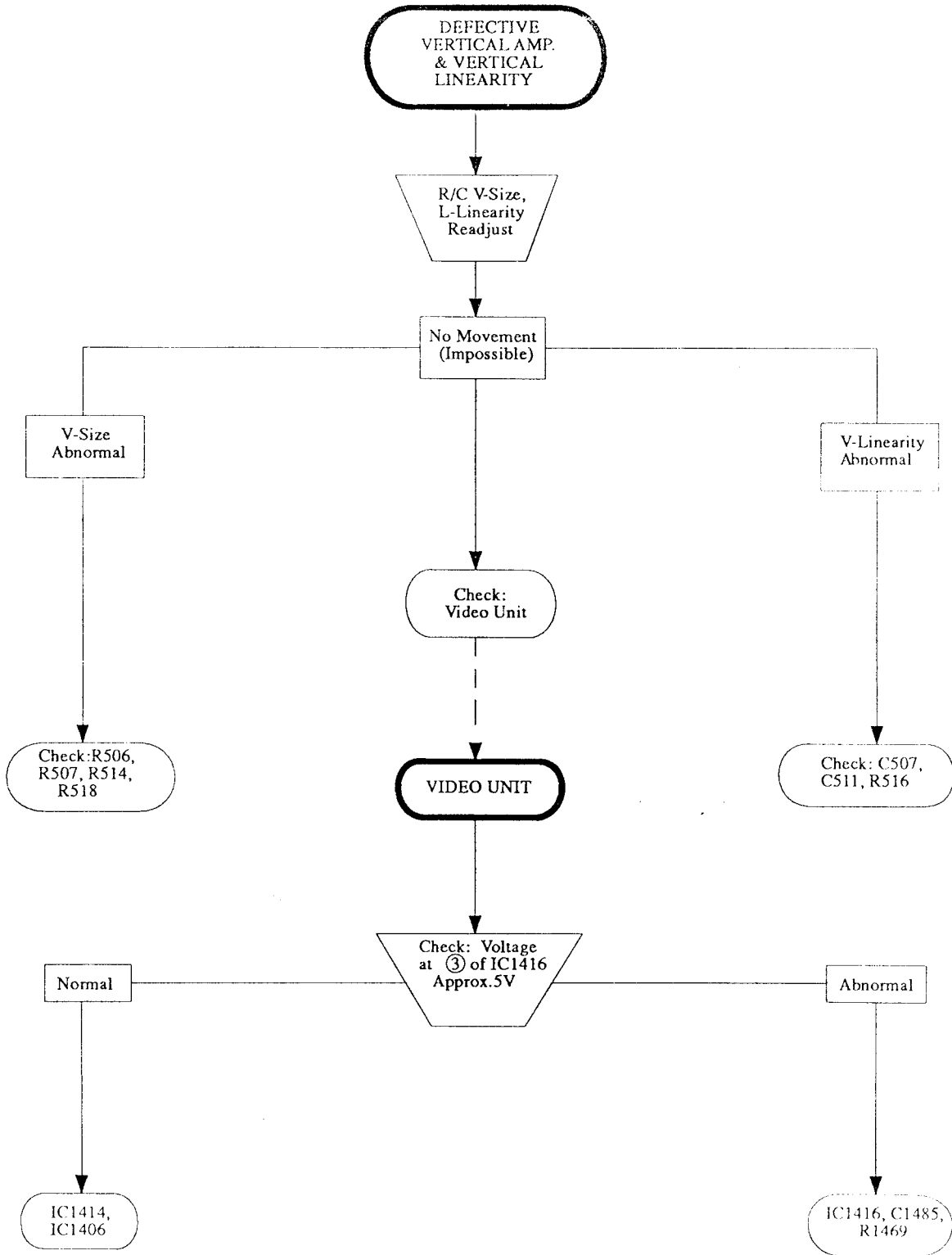


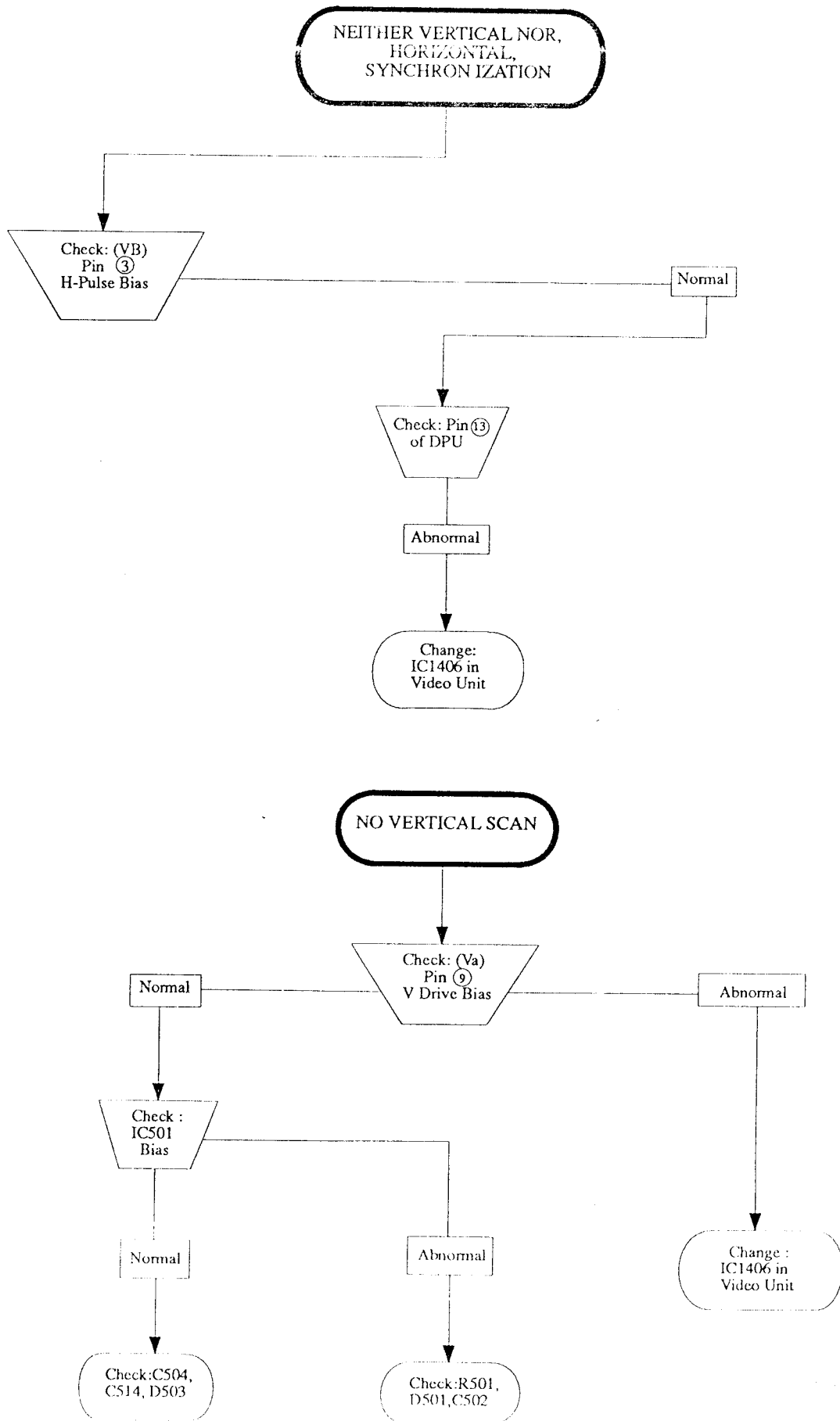


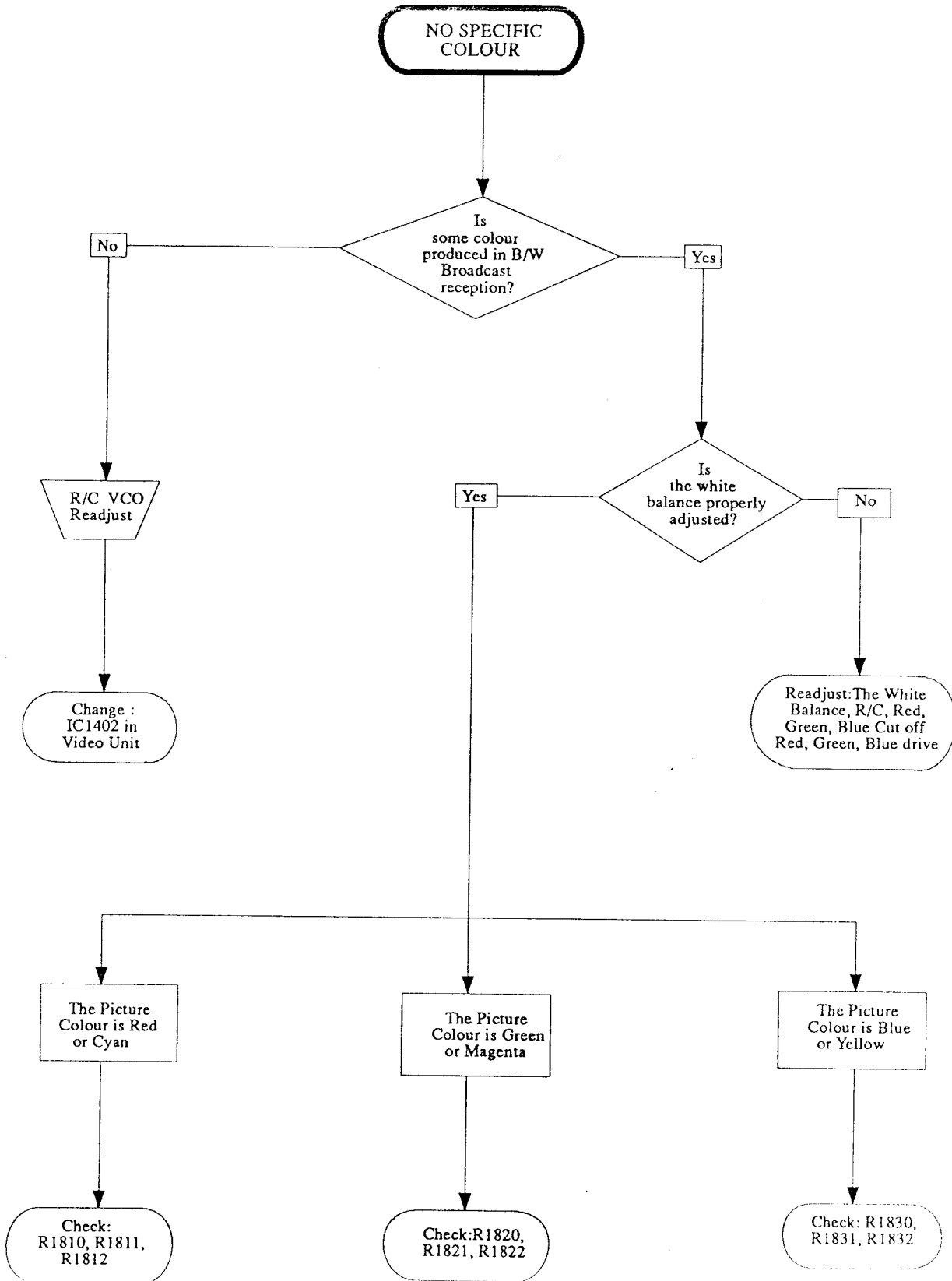


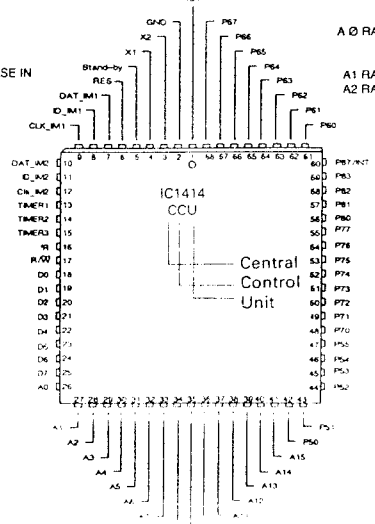
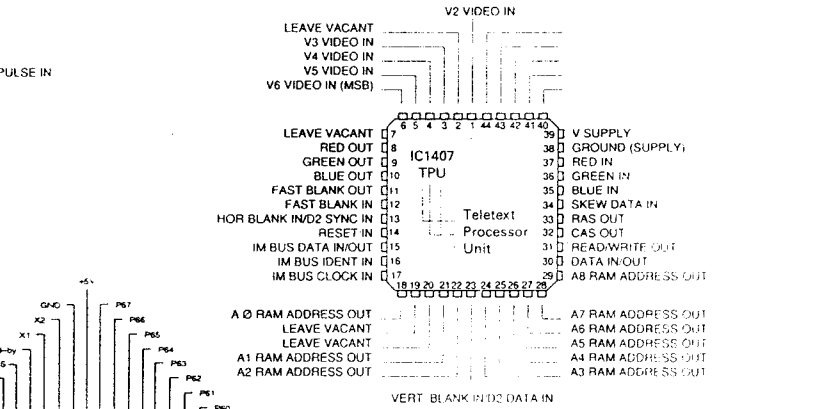
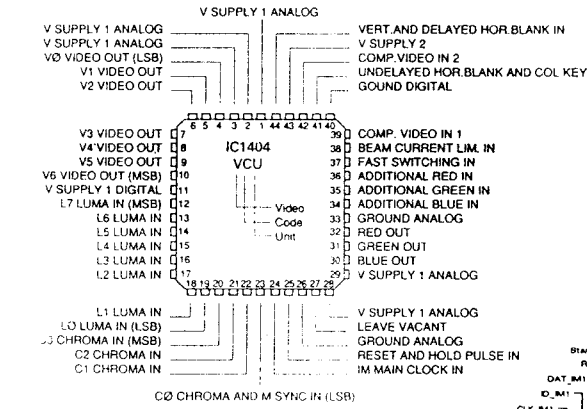
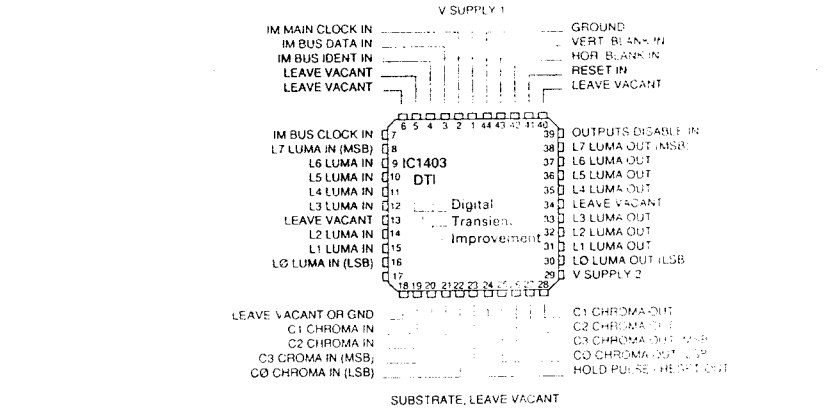
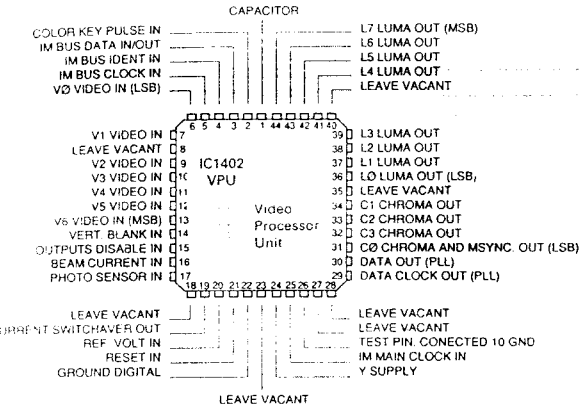
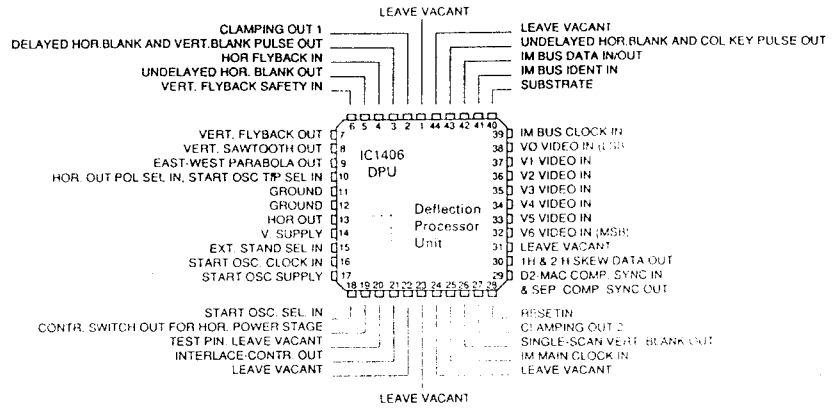
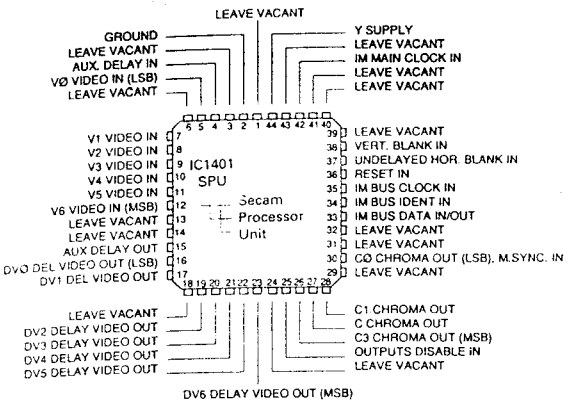








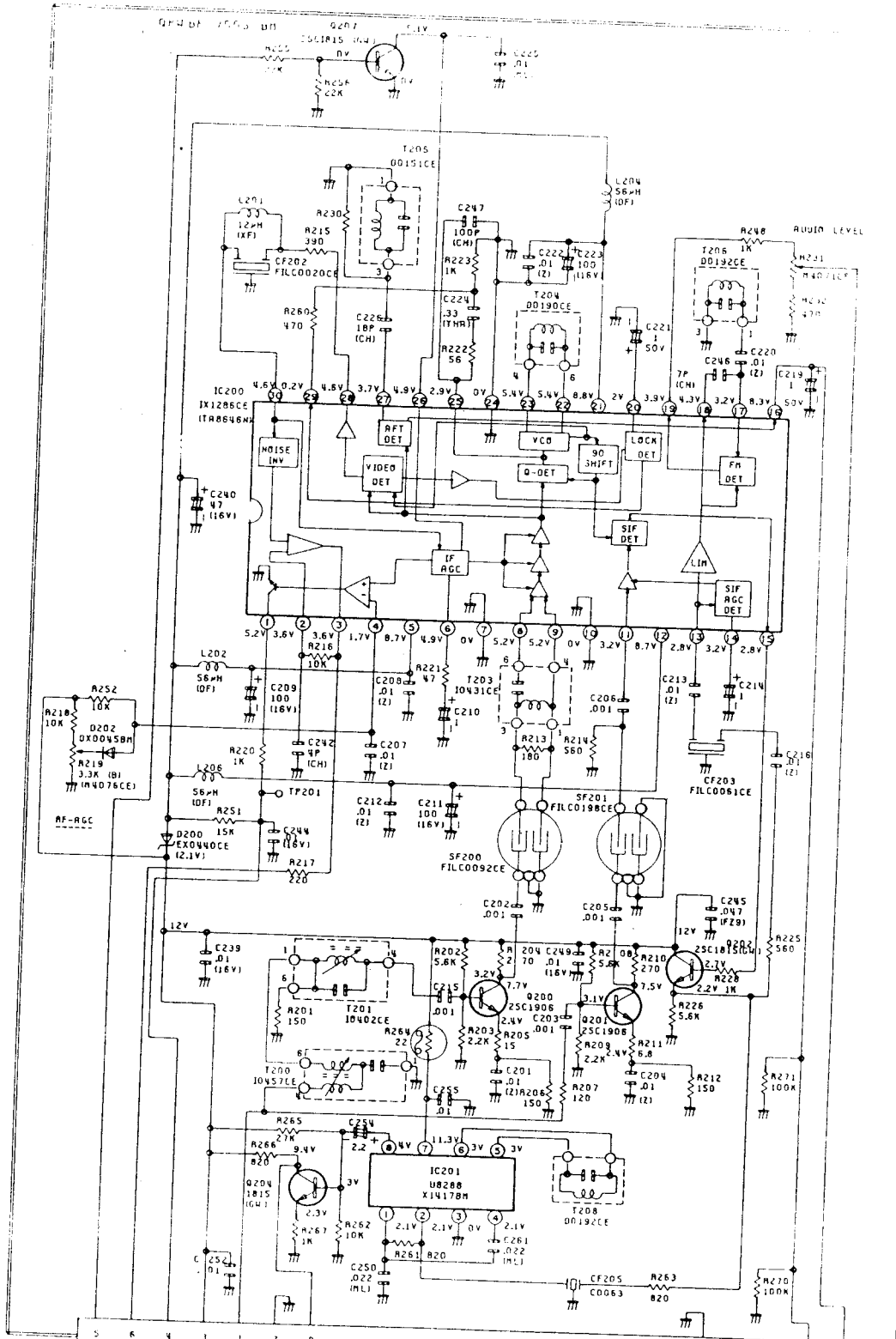




DV-25073S
DV-28073S

IF UNIT

ZF-EINHEIT



PWB-D

RTV servis Horvat

Kešinci, 31402 Semeljci

Tel : 031-856-637

Tel / fax : 031-856-139

Mob : 098-788-319

rty-servis-horvat@os.tel.hr

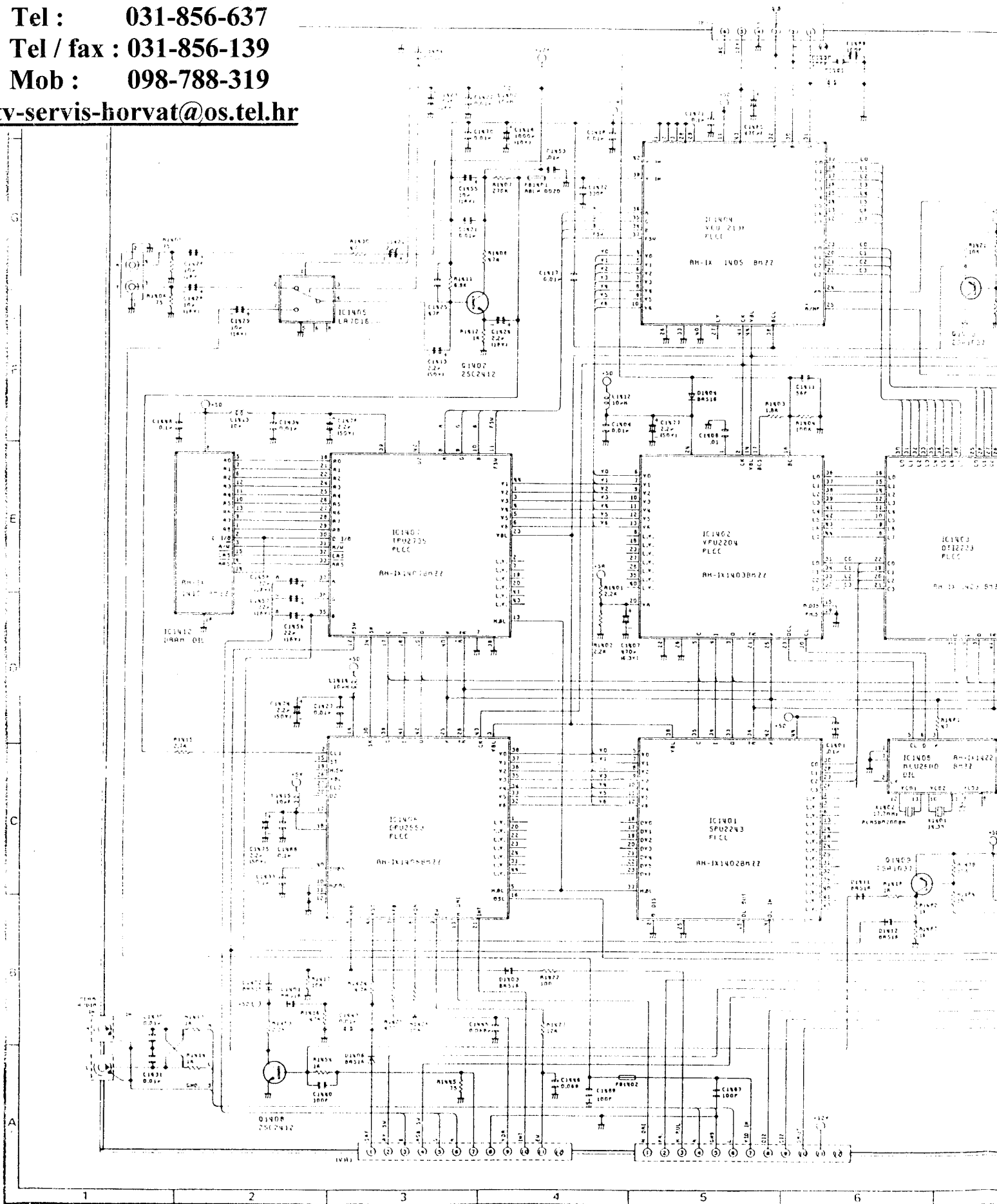
SCHEMATIC DIAGRAM VIDEO UNIT

DV-25073S

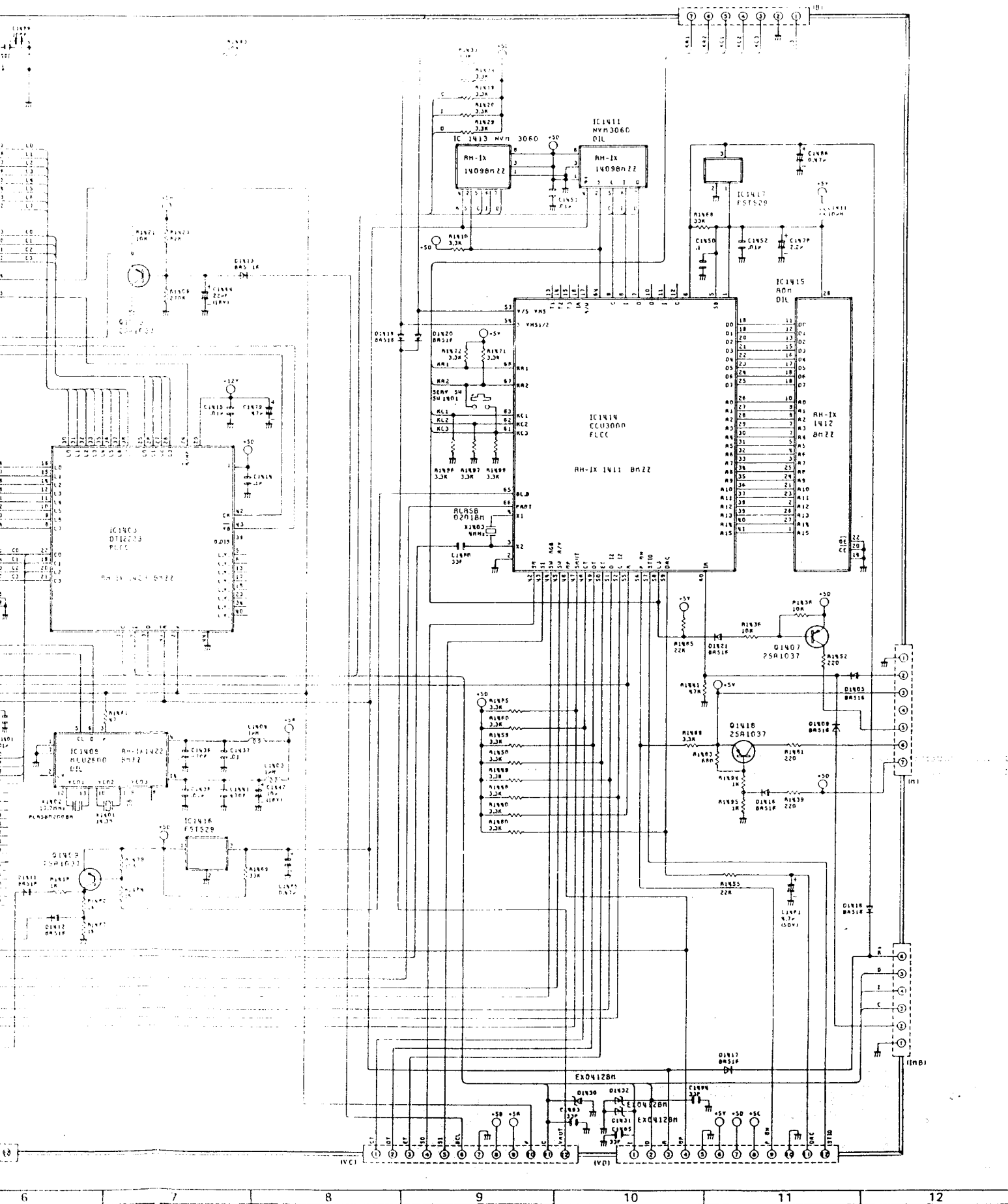
DV-28073S

DV-2

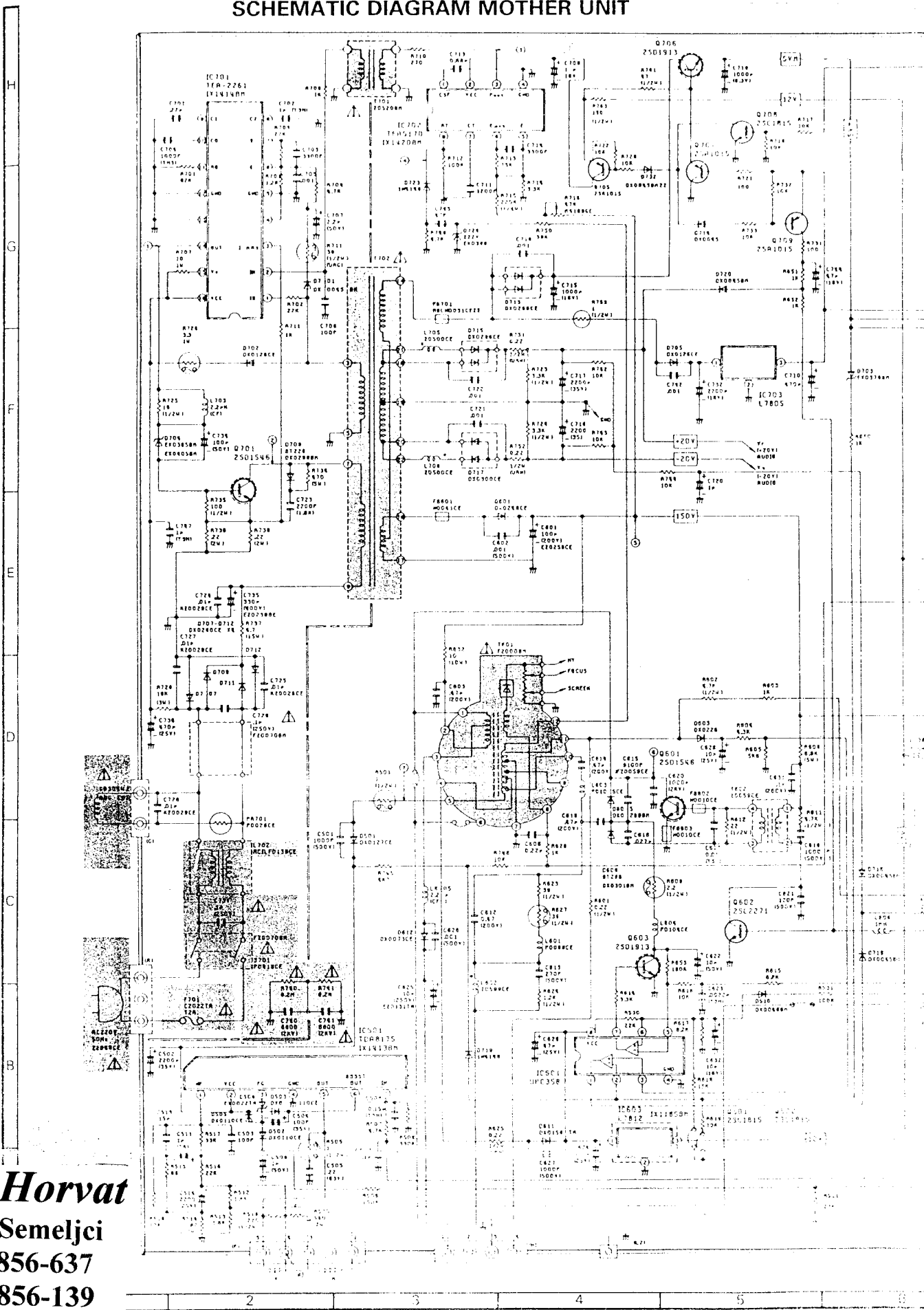
DV-2



SCHEMATISCHER SCHALTPLAN VIDEO-EINHEIT



SCHEMATIC DIAGRAM MOTHER UNIT



RTV servis Horvat
 Kešinci, 31402 Semeljci
 Tel: 031-856-637
 Tel / fax : 031-856-139
 Mob : 098-788-319
 v-servis-horvat@os.tel.hr

SCHEMATISCHER SCHALTPLAN HAUPTPLATINE

