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SAFETY PRECAUTIONS

During servicing carefully observe the following.

1. OBSERVE ALL PRECAUTIONS


Items and locations that require special care during servicing, such as the cabinet, chassis, and parts, are labelled with individual safety instructions. Carefully comply with these instructions and all precautions in the instruction manual.

2. BE CAREFUL OF ELECTRIC SHOCK

The chassis carries an AC voltage. If you touch the chassis while it is still alive, you will get a severe shock. If you think the chassis is alive, use an isolating transformer or gloves, or pull out the plug before replacing any parts.

3. USE SPECIFIED PARTS

The components have been chosen for minimum flammability and for specific levels of voltage resistance. Replacement parts must match these original specifications.

Parts whose specifications are particularly vital to safe use and maintenance of the set are marked  on the circuit diagrams and parts list.

Substitution of these parts can be dangerous for you and the customer, so use only specified parts.

4. REMOUNT ALL PARTS AND RECONNECT ALL WIRES AS ORIGINALLY INSTALLED

For safety, insulating tape and tubes are used throughout, but some lift-off parts on the printed wiring board require special attention.

These parts are positioned away from high-temperature and high-voltage parts, and, if removed for servicing, they must be returned precisely to their original positions.

5. HANDLE THE CATHODE RAY TUBE CAREFULLY

The set has an anti-explosion-type cathode ray tube as a precaution against violent implosion.

However, when the tube is removed or the set is serviced from the back, any shock to the cone can be dangerous. Be especially careful when handling the tube.

6. PRECAUTIONS AGAINST X-RAYS

Design of the cathode ray tube and high voltage peripheral circuits assure adequate protection against X-rays.

Any change in these circuits and connections can be dangerous. Use specified parts only. Use of other than specified parts can result in higher than rated voltage and lead to dangerous X-ray emissions.

7. RUN A COMPLETE SAFETY CHECK AT THE COMPLETION OF SERVICING

Make sure all screws, parts and wires are back in place and secure. Also make sure no damage has occurred during or as a result of servicing.

Also check the antenna terminal, all external metal connections, and the insulating layer between the plug blades.

(Insulation check)

Pull the plug out of the socket, remove the antenna, and turn on the power.

The resistance between each blade of plug and external metal parts (Note 1) must be at least $4.0M\Omega$ as measured with a 500V insulation resistance meter (Note 2).

If resistance is below $4.0M\Omega$, the set must be inspected and repaired.

(Note 1)

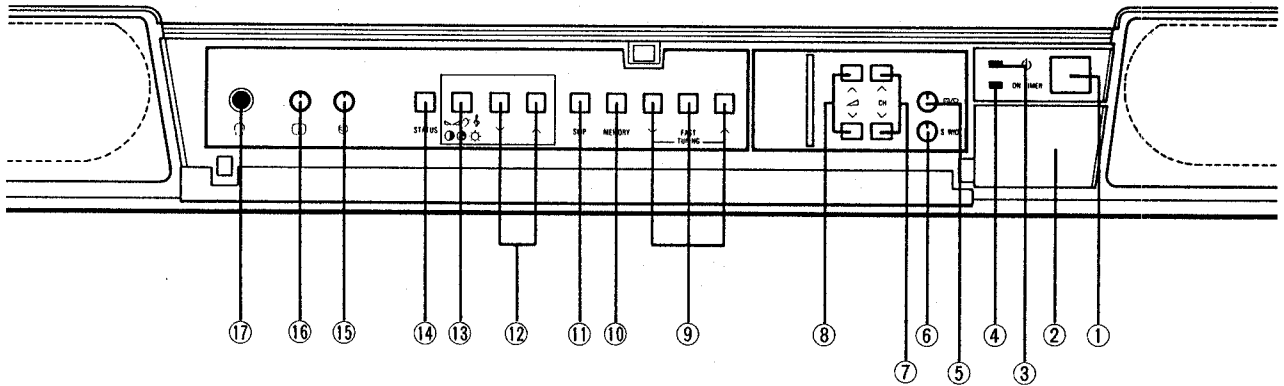
External metal parts..... antenna terminal, headphones jack, etc.

(Note 2)

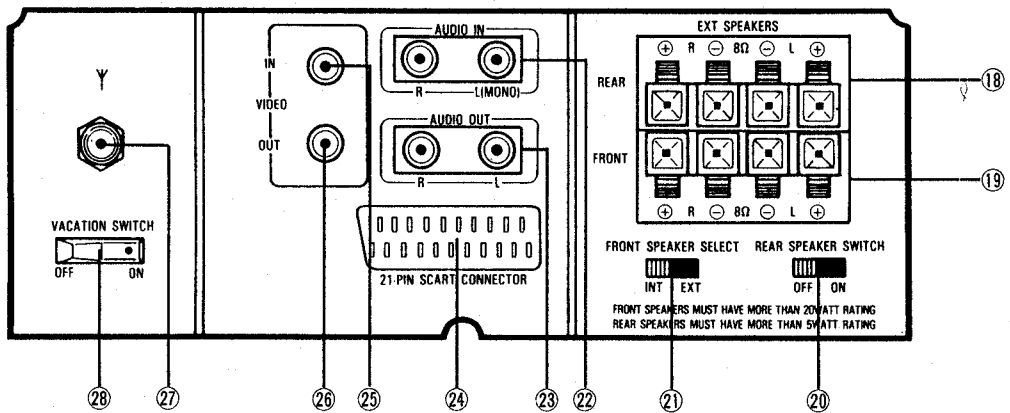
If a 500V insulation resistance meter is not available, use a tester with internal resistance $10M\Omega$.

LOCATION OF CONTROLS

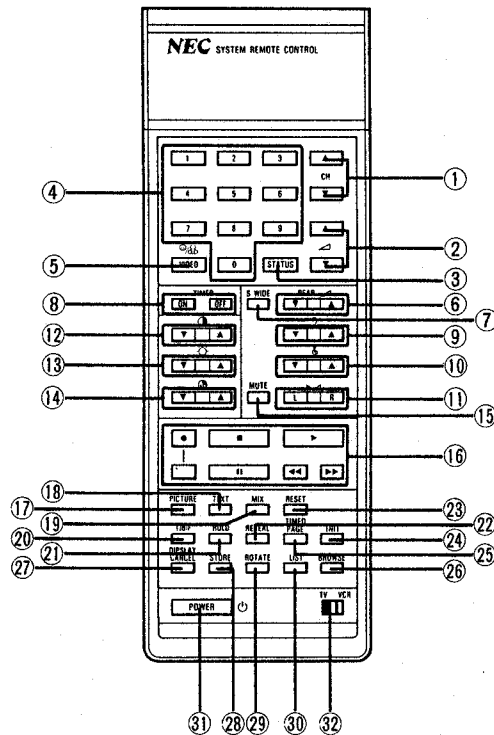
FRONT PANEL



REAR PANEL









REMOTE CONTROL




DESCRIPTION OF CONTROLS

FRONT PANEL









1. Infrared sensor window
2. POWER
3. STANDBY indicator ()
4. ON TIMER indicator
5. MODE SELECT ()
6. SOUND WIDE (S WIDE)
7. CHANNEL up/down (CH)
8. VOLUME up/down ()
9. TUNING (TUNING V/FAST/Δ)
10. MEMORY
11. SKIP
12. FUNCTION control (V Δ)
13. FUNCTION select
14. STATUS
15. SHARPNESS ()
16. VERTICAL HOLD ()
17. HEADPHONES jack ()

REAR PANEL

18. EXT SPEAKER (REAR)
19. EXT SPEAKER (FRONT)
20. REAR SPEAKER switch
21. FRONT SPEAKER SELECT switch
22. AUDIO IN
23. AUDIO OUT
24. 21 pin SCART connector (Euroconnector)
25. VIDEO IN
26. VIDEO OUT
27. ANTENNA () (75Ω coaxial cable type)
28. VACATION switch

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

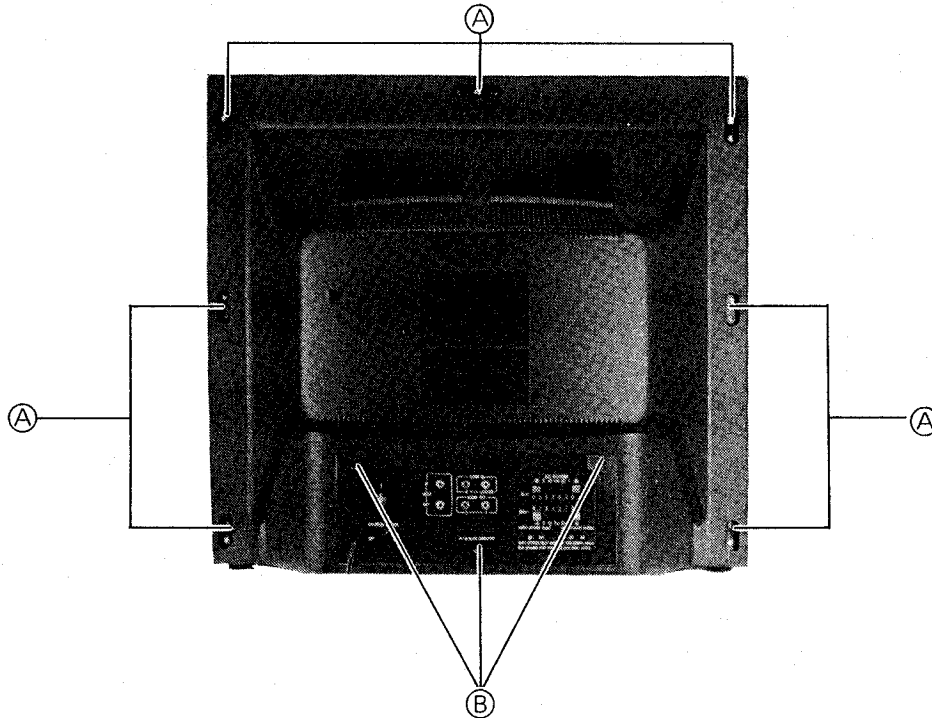
REMOTE CONTROL

1. CHANNEL up/down (CH/▲/▼)
2. VOLUME up/down (◀▲/▼)
3. STATUS
4. Channel Select buttons (0-9)
5. MODE Select ()
6. VOLUME (REAR ◀▲/▼)
7. SOUND WIDE
8. TIMER ON/OFF
9. BASS ( ▲/▼)
10. TREBLE ( ▲/▼)
11. BALANCE ( L/R)
12. CONTRAST ( ▲/▼)
13. BRIGHTNESS ( ▲/▼)
14. COLOR ( ▲/▼)
15. MUTE
16. VCR
17. PICTURE
18. TEXT
19. MIX
20. T/B/F (Top, Bottom, Full)
21. HOLD
22. REVEAL
23. RESET
24. INITIAL
25. TIMED PAGE
26. BROWSE
27. DISPLAY CANCEL
28. STORE
29. ROTATE
30. LIST
31. POWER ()
32. TV/VCR select

MECHANICAL DISASSEMBLY

1. CABINET BACK REMOVAL

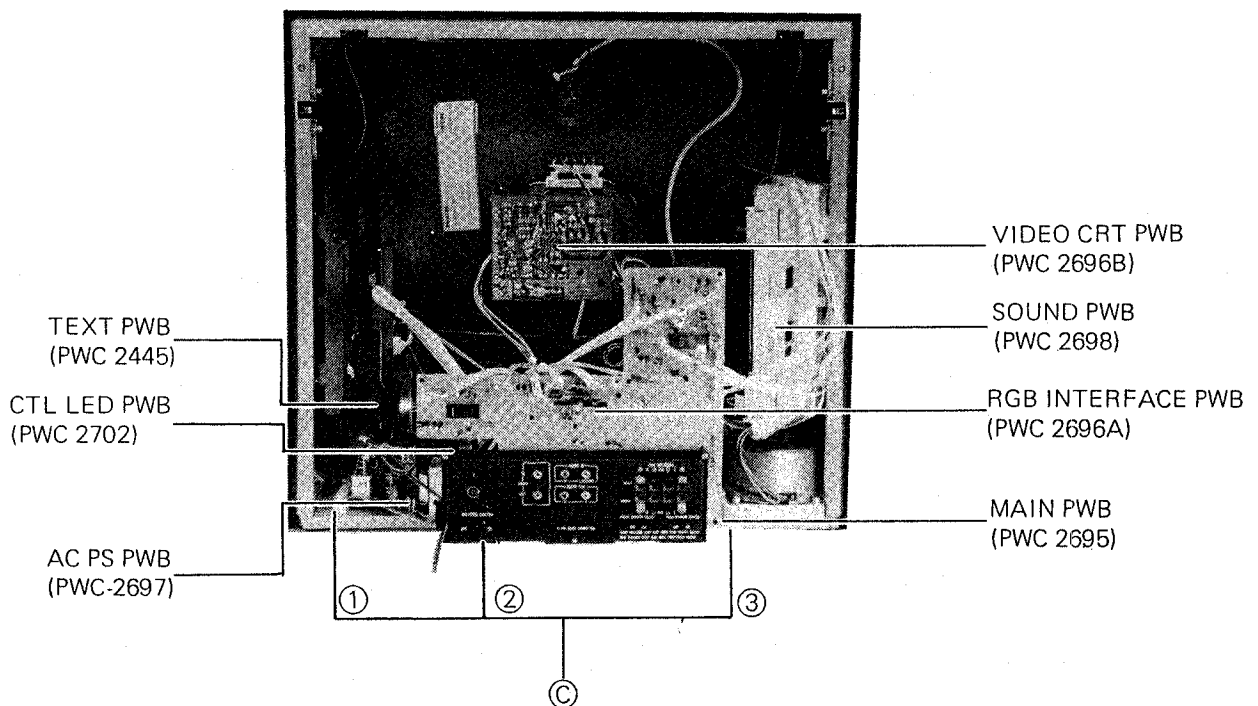
- (1) Remove 7 Backcover mounting screws (A).
- (2) Remove 3 Terminals Board mounting screws (B).
- (3) Gently remove the Backcover.



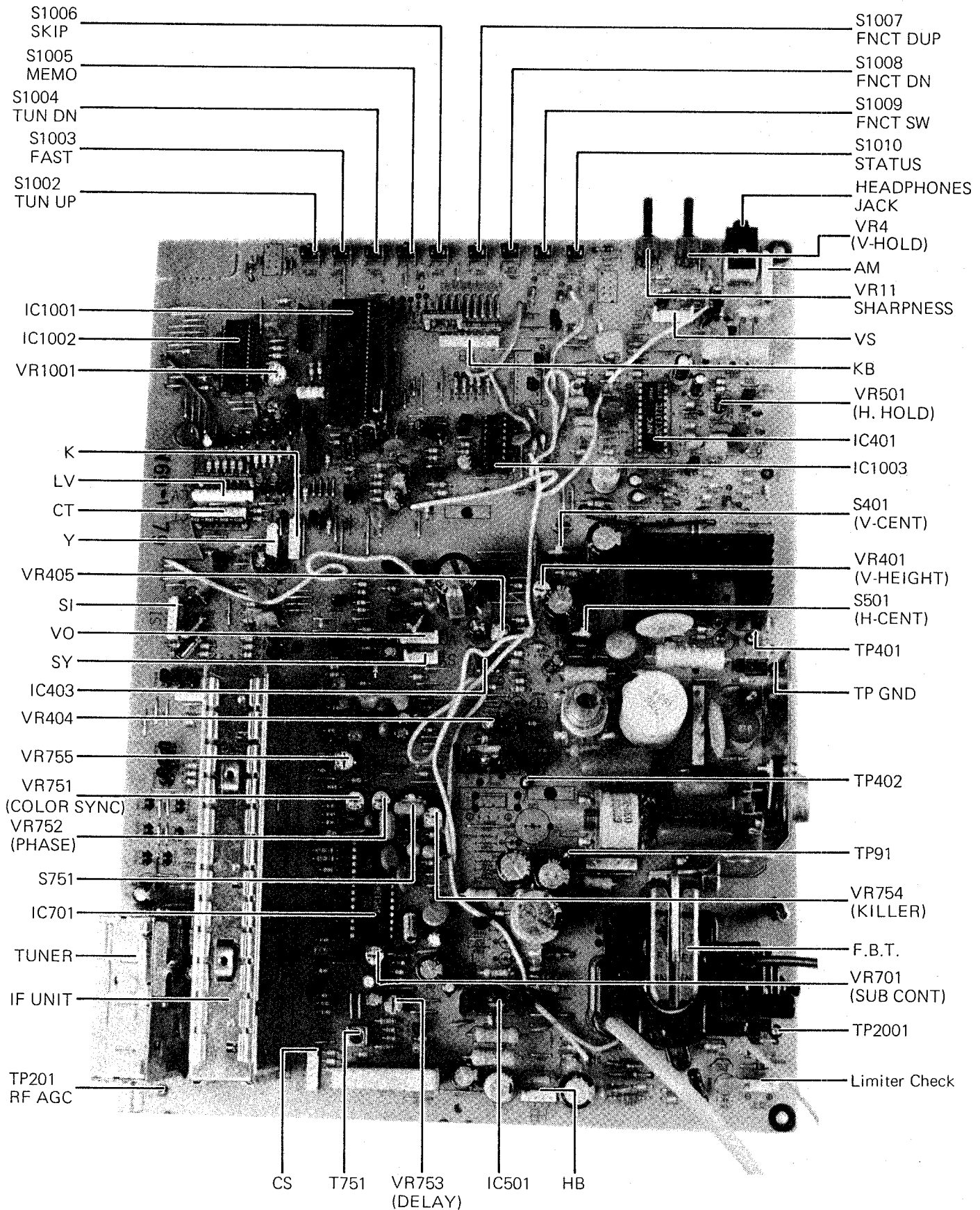
2. CHASSIS SERVICE POSITION

Main Chassis Removal

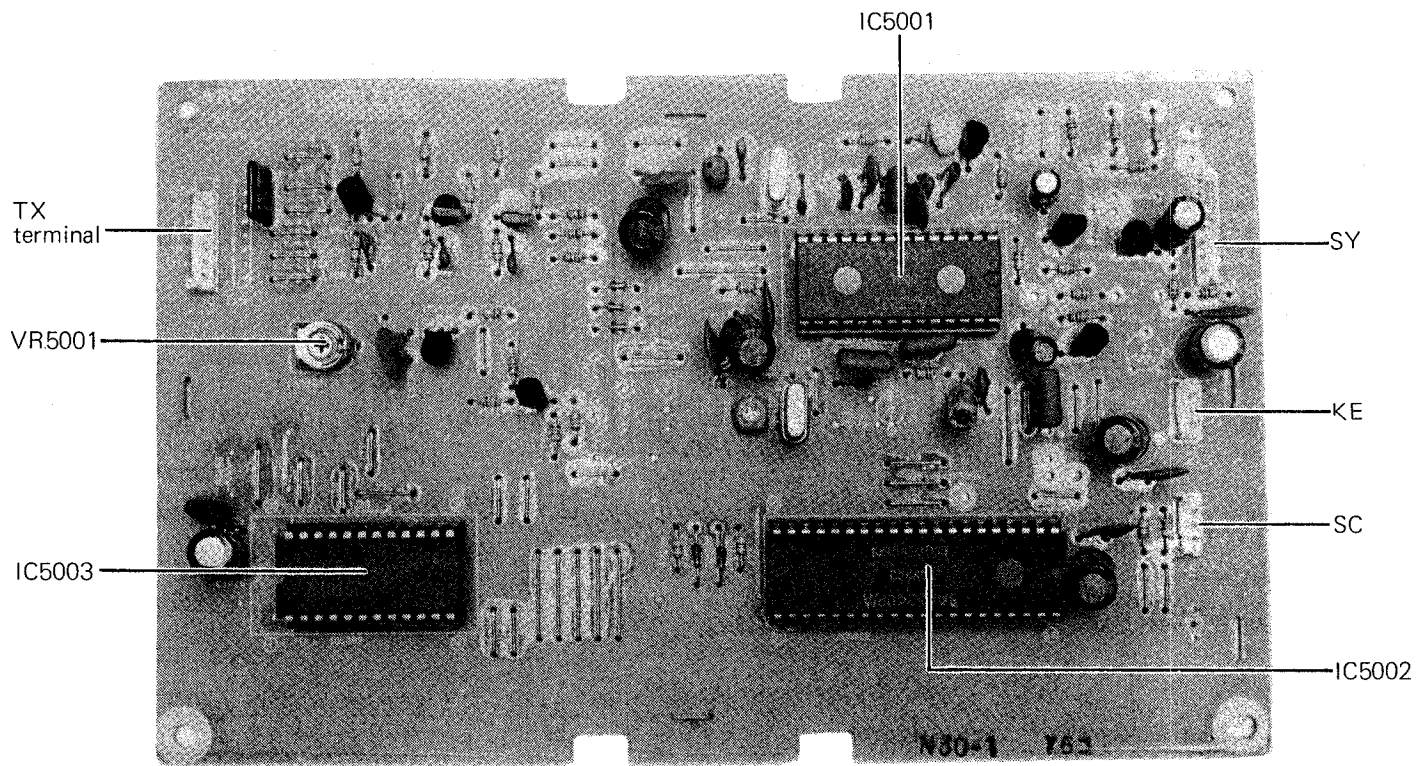
- (1) Remove mounting screws (C) ①, ② and detach a white plastic mold to slide back the AC-PS PWB.
- (2) Remove mounting screws (C) ②, ③ and detach a white plastic mold to slide back the MAIN PWB.



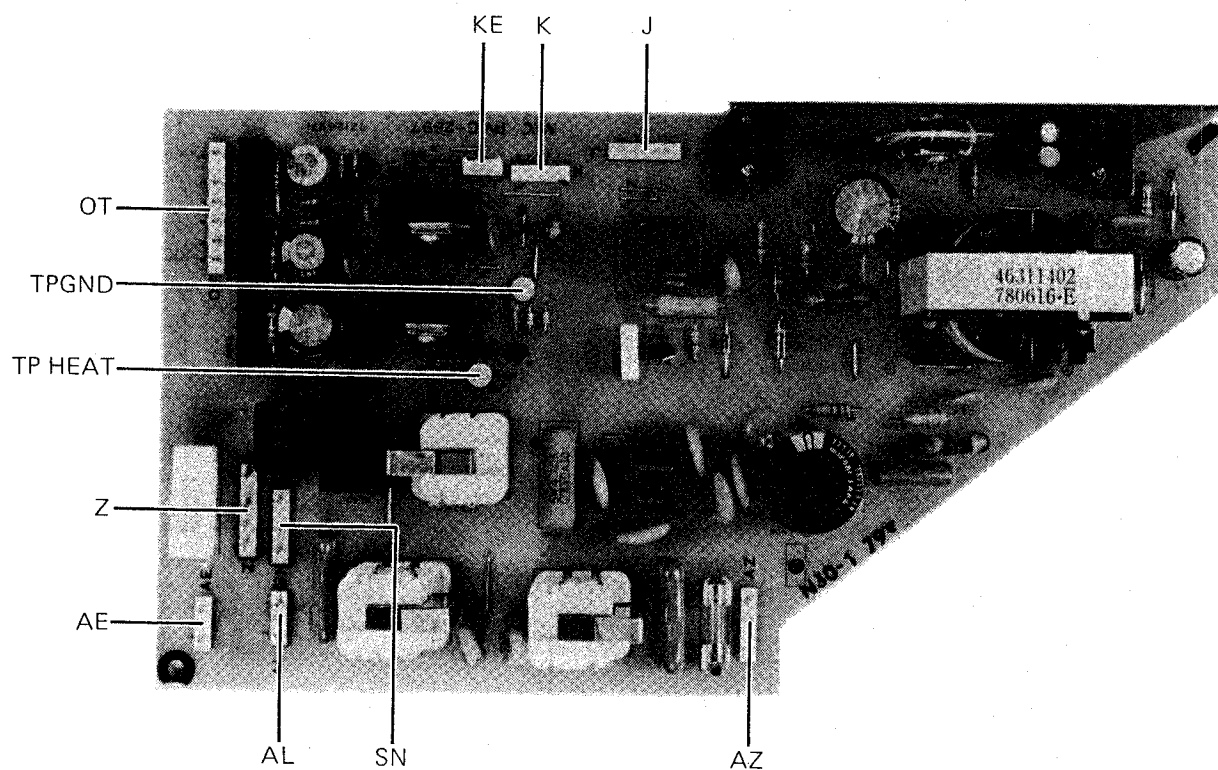
PARTS LOCATION DIAGRAMS



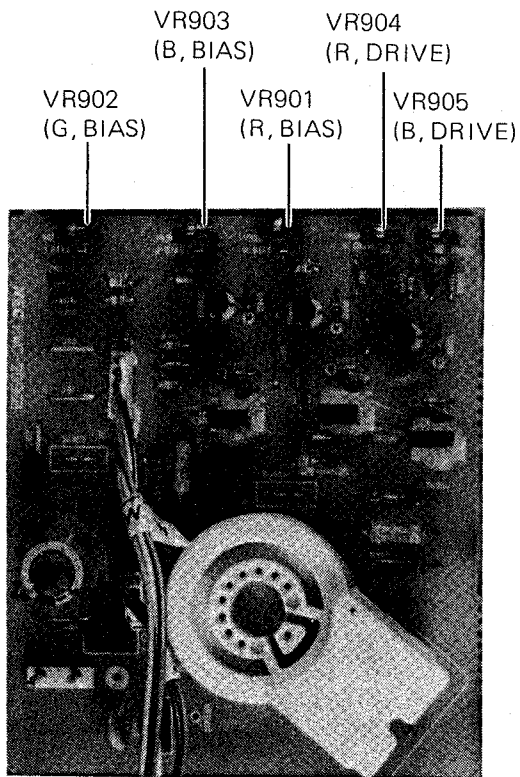
MAIN PWB (PWC 2695)



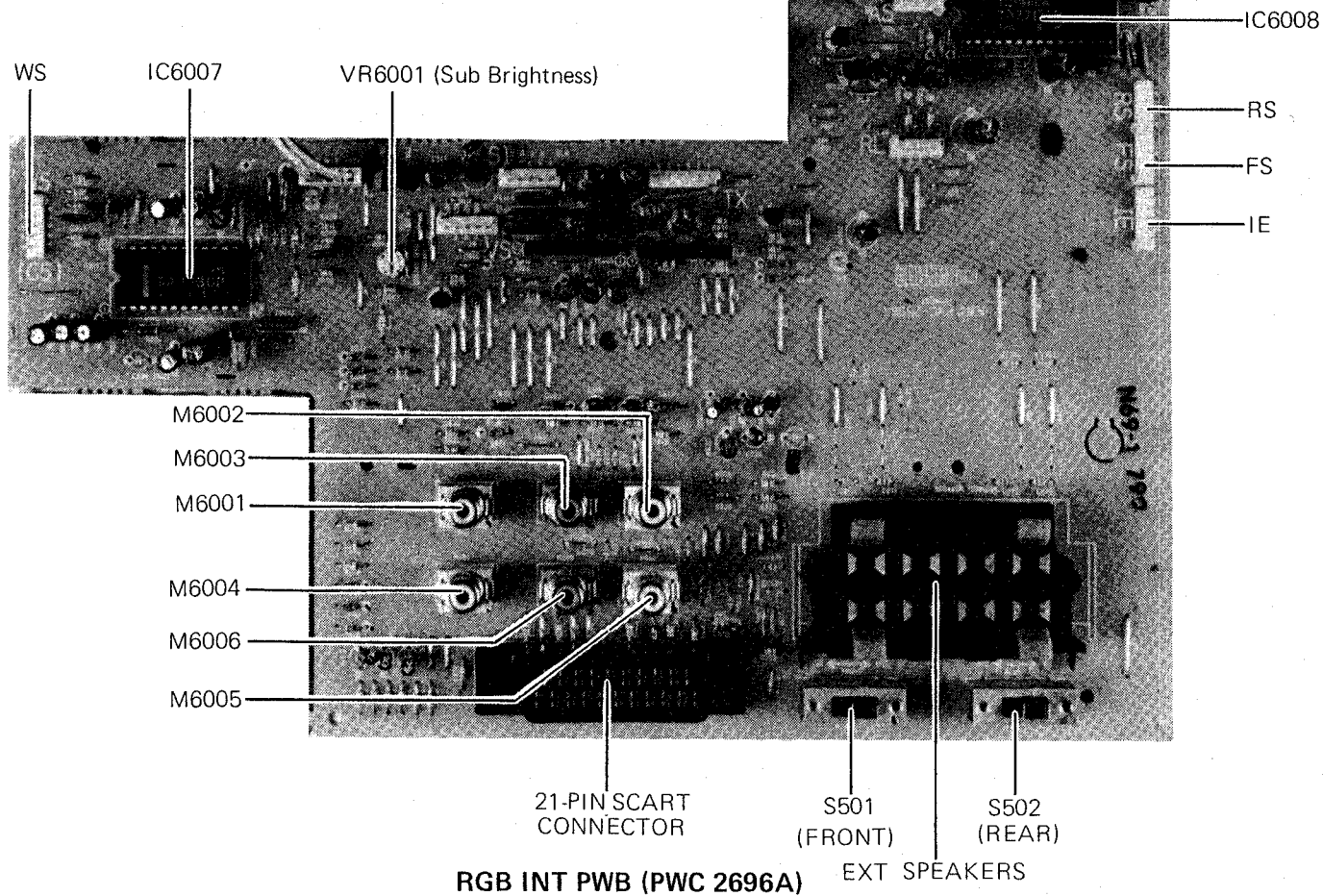
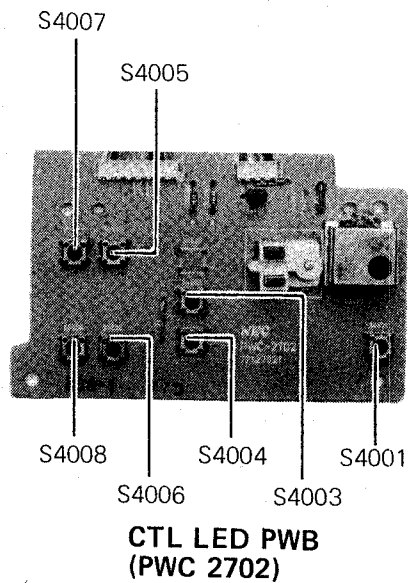
TEXT PWB (PWC 2445)

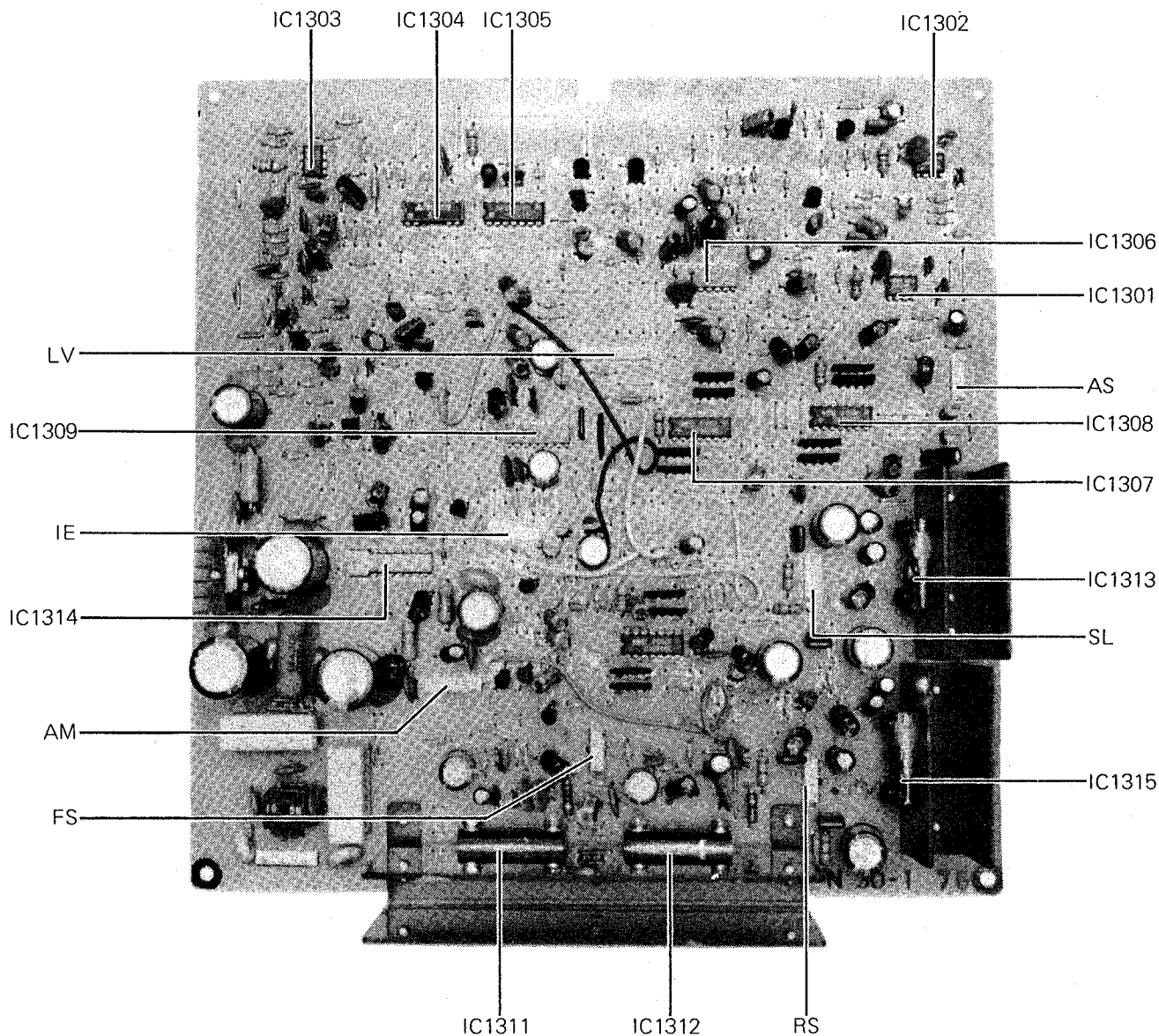


AC PS PWB (PWC 2697)



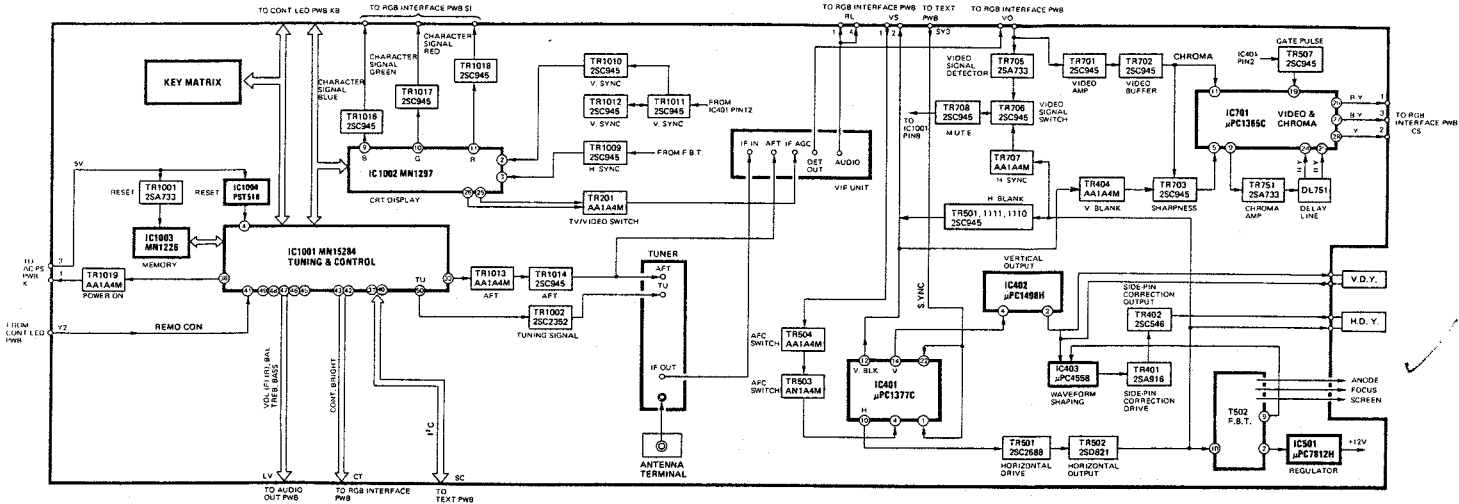
VIDEO CRT PWB (PWC 2696B)





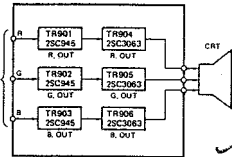
SOUND OUT PWB (PWC 2698)

BLOCK DIAGRAMS

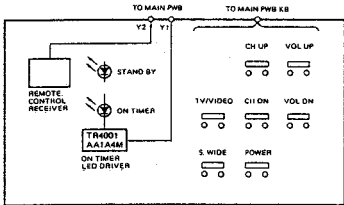


MAIN PWB. (PWC 2695)

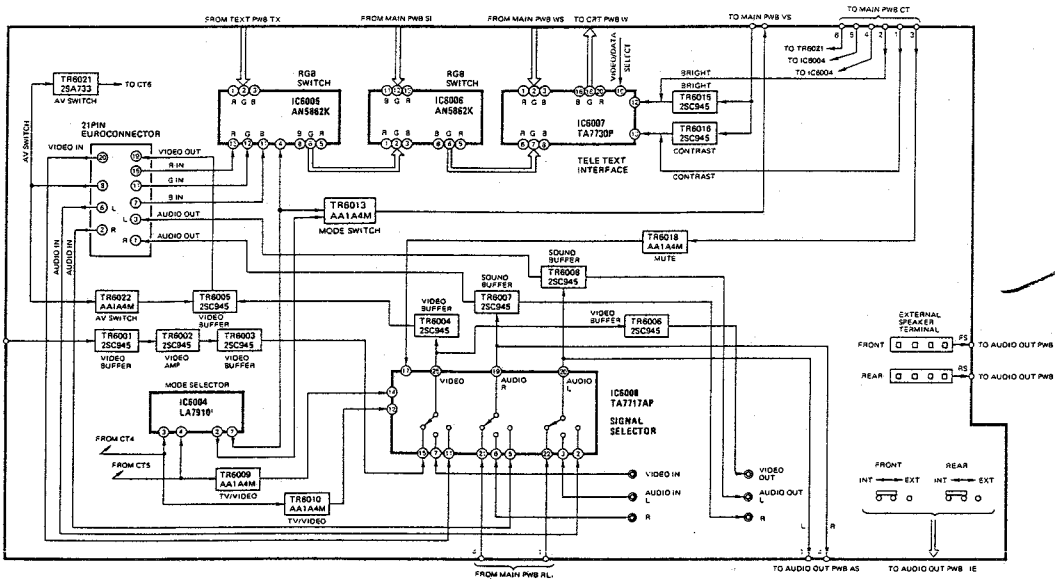
FROM
ROB
INTERFACE
PWB W



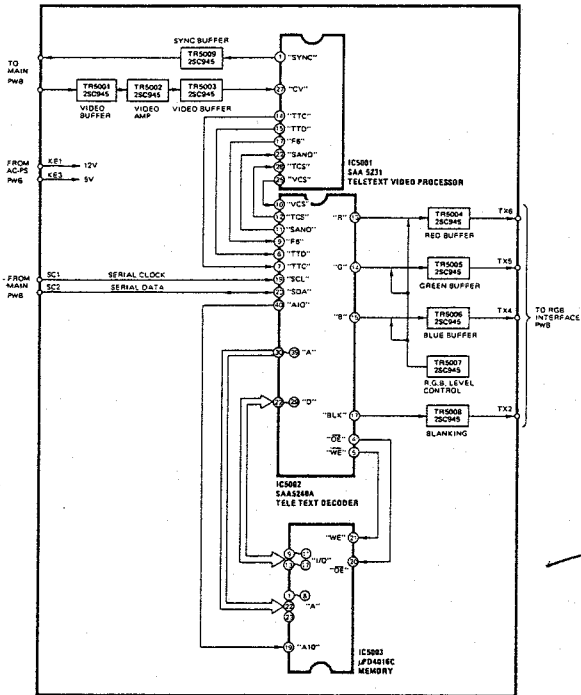
VIDEO CRT PWB (PWC 2696B)

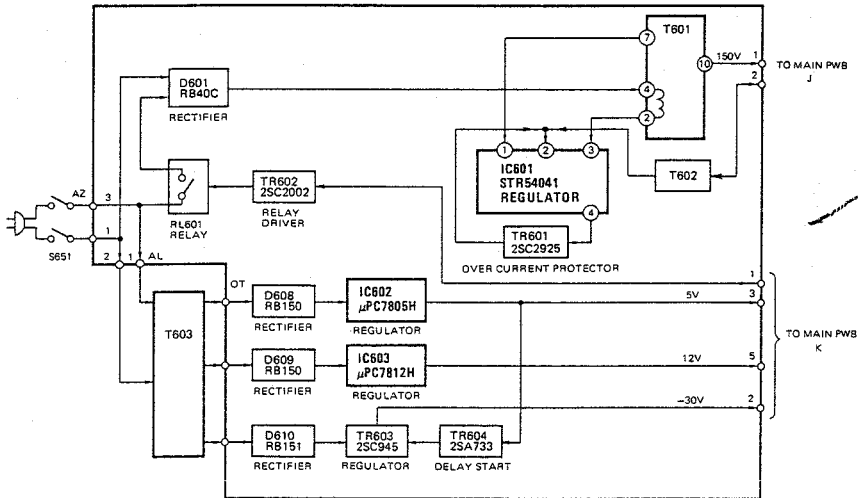


CTL LED PWB (PWC 2702)



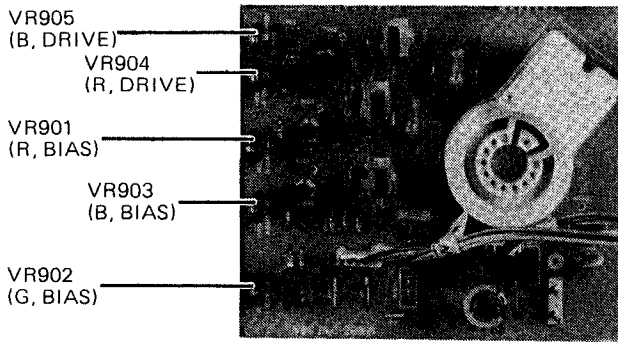
RGB INTERFACE PWB (PWC 2696A)





AC-PS PWB (PWC 2697)

ADJUSTMENT PROCEDURE



VIDEO CRT PWB (PWC-2696B)

Note: Complete patterns used in the following adjustment procedures are the Philips color pattern with the digital circle.

PICTURE

White Balance Adjustment

- (1) Feed in a monoscope pattern signal (or equivalent signal) and set the CONTRAST, BRIGHTNESS Controls and VR701 (Sub Contrast) to the minimum position.
- (2) Set VR901 (R. BIAS), VR902 (G. BIAS), VR903 (B. BIAS), VR904 (R. DRIVE), VR905 (B. DRIVE) to their mechanical center positions.
- (3) Set the SCREEN VR to the minimum position, and connect a $27k\Omega$ resistor between TP401 and ground.
The raster will be replaced by a horizontal line.
- (4) Adjust VR6001 (SUB BRIGHTNESS) so that the voltage at the G-cathode of the CRT is $175V_{DC}$.
- (5) Turn the SCREEN VR clockwise until the first colored horizontal line is barely visible on the screen.
- (6) Turn the associated BIAS VR fully counterclockwise.
- (7) Turn the SCREEN VR to obtain a barely visible horizontal line of another color on the screen. Turn the associated BIAS VR fully counterclockwise.
- (8) Again adjust the SCREEN VR to obtain a barely visible horizontal line of the remaining color. But leave the associated BIAS VR at its mechanical center.
- (9) Turn the other two BIAS VRs clockwise to adjust white balance of CRT cut-off.
- (10) Remove the $27k\Omega$ resistor from TP401, set the BRIGHTNESS and CONTRAST Controls to the maximum position and adjust white balance with the R. and B. DRIVE VRs.
- (11) Adjusting the BRIGHTNESS and CONTRAST controls, check the tracking of white balance. If necessary, repeat steps (1) to (10).

Focus Control Adjustment

- (1) Feed in a monoscope pattern signal (or equivalent signal).
- (2) Set the CONTRAST Control to the maximum position and the BRIGHTNESS Control to the minimum position.
- (3) Adjust the FOCUS VR to obtain an optimum focus at the center of the screen.

Sub-Contrast (VR701) Adjustment

- (1) Feed in a standard color bar signal (or equivalent signal).
- (2) Set the COLOR control and BRIGHTNESS control to the minimum position and CONTRAST control to the maximum position.
- (3) Connect an oscilloscope to terminal TP6001 on the RGB INTERFACE PWB.
- (4) Adjust VR701 (SUB CONTRAST) control so as to obtain the waveform as shown below.

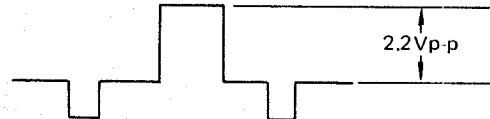


Fig. 1

Sub Brightness Control Adjustment

- (1) Feed in the complete pattern signal (or equivalent signal) and set the receiver to normal mode by pressing Memory button. (i.e., not in preset mode.) Connect a DC ammeter ($3mA$ range) to the Limiter Check Terminal.
- (2) Set the BRIGHTNESS Control to the position shown below and CONTRAST and COLOR Controls to the minimum position.

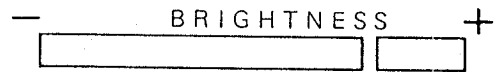


Fig. 2

- (3) Adjust VR6001 (Sub Brightness) so that the limiter current is $0.36 \pm 0.01mA$

Side Pin Adjustment

- (1) Feed in the complete pattern signal.
- (2) Connect an oscilloscope to TP402 and ground to the MAIN PWB.
- (3) Turn VR403 to maximize the signal amplitude at TP402 until approx. $16V_{p-p}$. Also adjust VR405 so the voltage peak value is about $19V$.

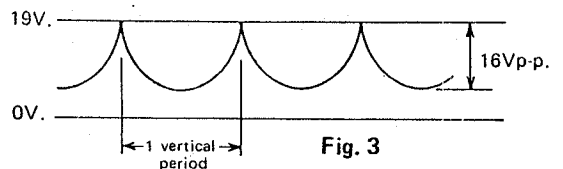
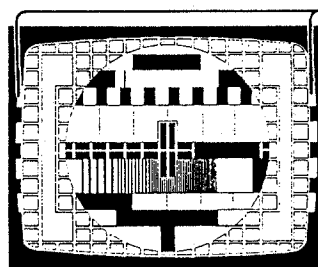


Fig. 3

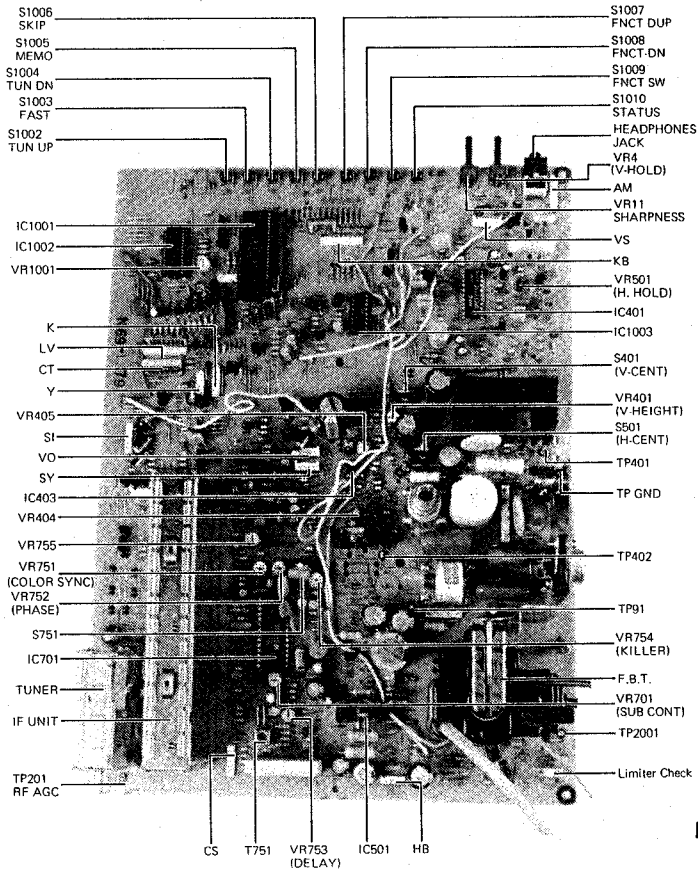
- (4) Adjust VR405 so that border castellations (Black and White Check patterns) of both sides move outward. Set just at the point where the border disappears from view i.e. aligned with the screen side.

Note: Adjusting the border too far outward will result in picture distortion.



Side border castellations
(Black and White check
patterns)

Fig. 4
Before Adjustment



MAIN PWB

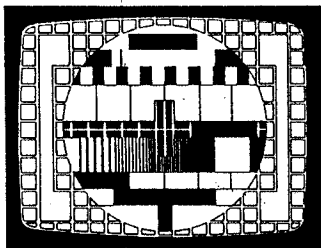


Fig. 5 After Adjustment

- (5) Feed in a crosshatch pattern signal.

If some distortions in the crosshatch pattern signal are observed, adjust VR405 to obtain vertical straight lines on the screen.

During this adjustment, there should be no distortion in the amplitude as shown in Fig. 6. If there is, repeat (1) to (5).

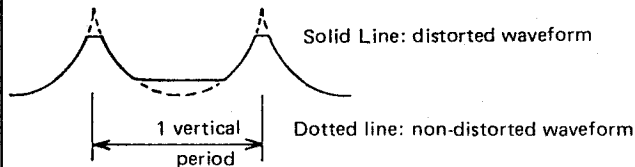


Fig. 6

RF AGC Adjustment

- (1) Feed in a $60\text{dB}\mu$ standard color bar signal (peak value, 75Ω load), adjust tuning to obtain an optimum picture and set the receiver to normal mode by pressing the Memory button.
- (2) Connect a DC voltmeter to TP201 (RF AGC), and adjust VR201 on the VIF unit (See Fig. 7) to obtain a 7.0 V_{DC} reading at TP201 (RF AGC).

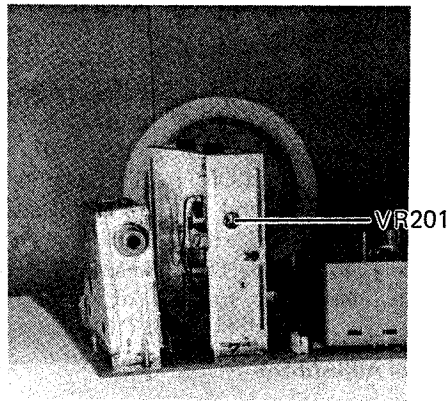


Fig. 7

- (3) Increase the input signal level to $63\text{dB}\mu$ and confirm that the AGC voltage drops.

PAL CHROMA

1H Delay Line Adjustment

- (1) Feed in a PAL "DEM" signal (Philips Model PM5509 or PM5519.)
- (2) Set the COLOR Control to the maximum position.
- (3) Connect an oscilloscope (0.5V/cm range) to CS1 (R-Y demodulator output) on the MAIN PWB via the pad shown in Fig. 8.

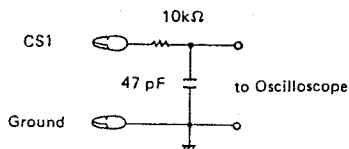


Fig. 8 Chroma Pad

- (4) Turn T751 so as to align the first bars of each line to the same height. Confirm that core of the transformer is not set too far toward the end.

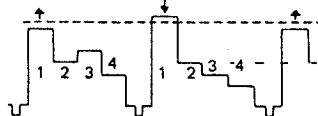


Fig. 9 T751 Adjustment

- (5) Adjust VR753 (DELAY) to align the third bars to the same height.

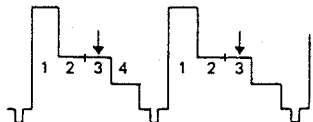


Fig. 10 VR753 (DELAY) Adjustment

- (6) Adjust VR752 (PHASE) to align the fourth bars to the same height.

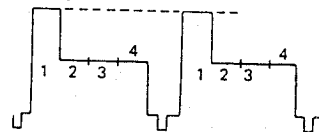


Fig. 11 Waveform after Adjustment

- (7) Reduce the BRIGHTNESS level to confirm that there is no hangover blind.
- (8) If necessary, repeat steps (4) to (6).

Color Sync Adjustment

- (1) Feed in a PAL standard color bar signal.
- (2) Adjust tuning to obtain an optimum picture.
- (3) Set the receiver to normal mode by pressing the Memory button (i.e., not in preset mode). Set S751 to ADJUST position, and adjust VR751 (COLOR SYNC) until the color bar pattern is synchronized.
- (4) Set S751 back to the previous position.

Color Killer Adjustment

- (1) Feed in a monoscope pattern signal (or equivalent signal) and adjust tuning toward a higher frequency until a distorted picture is observed on the screen.
- (2) Adjust VR754 (KILLER) until color noise disappears.
- (3) Set the receiver to normal mode by pressing the Memory button.
Feed in a 30dBμ color bar signal and confirm that colors appear properly.

HORIZONTAL AND VERTICAL

Vertical Sync Adjustment

Feed in the complete pattern signal (or equivalent signal) and adjust V-HOLD Control (VR4) to the center of the vertical synchronizing drawing range.

Horizontal Sync Adjustment

- (1) Feed in the complete pattern signal.
- (2) Withdraw the SY connector on the TEXT PWB.
- (3) Adjust VR501 (H-HOLD) to the center of the horizontal synchronizing drawing range to obtain the optimum synchronization of the pattern on the screen.
- (4) Insert the SY connector again.

Horizontal Position Adjustment

- (1) Feed in the complete pattern signal (or equivalent signal).
- (2) Select a position of S501 (H-CENT) so that the horizontal center is placed at the mechanical center of the CRT.

Vertical Position Adjustment

Feed in the complete pattern signal (or equivalent signal) and select the position of S401 (V-CENT) so that the vertical center is positioned at the mechanical center of the CRT.

Vertical Amplitude Adjustment

- (1) Feed in the complete pattern signal.
- (2) Adjust VR401 (V-HEIGHT) so that the border castellations of both top and bottom move outwards. Set just at the point where the border disappears from view i.e. aligned with the screen side.

Note: Adjusting the border too far outward will result in picture distortion.

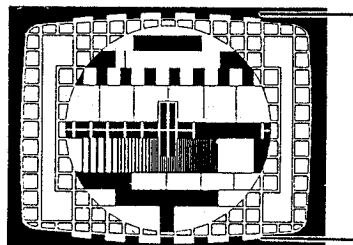


Fig. 12 Before Adjustment

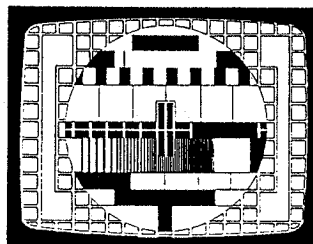


Fig. 13 After Adjustment

HIGH VOLTAGE AND HIGH VOLTAGE PROTECTOR CHECK

High Voltage Check

- (1) Feed in a monoscope pattern signal (or equivalent signal), set the CONTRAST and BRIGHTNESS Controls to the maximum position and the VOLUME to the minimum position.
- (2) Connect a DC voltmeter between TP91 and ground.
- (3) Confirm that the voltage is within $150.0 \pm 1.5V_{DC}$.
- (4) Confirm that the high voltage is within $24.0 \pm 1.5KV$.

Checking High Voltage Protector

- (1) Apply $7.0V_{DC}$ to TP2001 with an external power supply and confirm that the High Voltage Protector operates.
- (2) Turn off the POWER button and remove the external power supply from TP2001.
- (3) Turn on the POWER button after ten seconds and confirm that the set operates normally.

ON SCREEN

Display Position Adjustment

- (1) Feed in the complete pattern signal (or equivalent signal).
- (2) Push the STATUS button on the remote control unit and confirm channel number and time screen display.
- (3) Adjust VR1001 to obtain a symmetrical on-screen display.

Picture Tube Replacement

NOTE: Use the CRT specified in the Parts List for replacement.

- (1) Gently remove the Backcover. (Refer to the BACKCOVER DISASSEMBLY.)
- (2) Disconnect the VIDEO CRT PWB from the neck of the CRT.
- (3) Remove the DY lines soldered on the DY terminal of the CRT.
- (4) Replace the picture tube for a new one.
- (5) Again solder all leads removed to the correct pin on DY terminal according to the line colors indicated in the illustration on the right. (The DY number described under the line color is the pin number of DY connector on the MAIN PWB.)

TELETEXT SECTION

Note: Use an oscilloscope which has a frequency characteristic more than 100MHz.

PLL Adjustment

- (1) Feed in a video signal which includes a teletext signal.
- (2) Press the TEXT button (Ⓢ) on the remote control unit to set to TEXT mode. Connect an oscilloscope CH1 to pin 25 (VCS) of IC5001. (CHOP MODE, TRIGGER CH1)
- (3) Adjust CT5001 so that the phase of the two signals is as shown in Fig. 14.

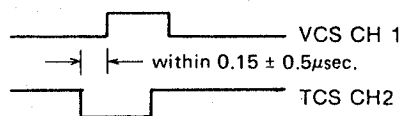
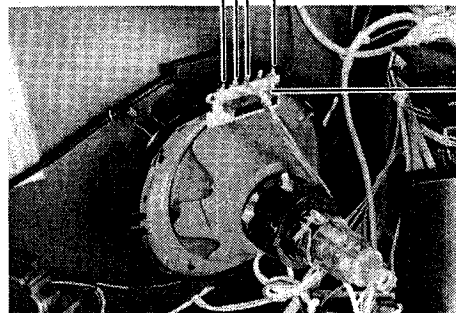
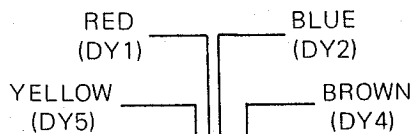


Fig. 14

RGB Output Level Adjustment

Connect an oscilloscope to terminal TX6 and adjust VR5001 so that the output level is $0.5V_{p-p}$.

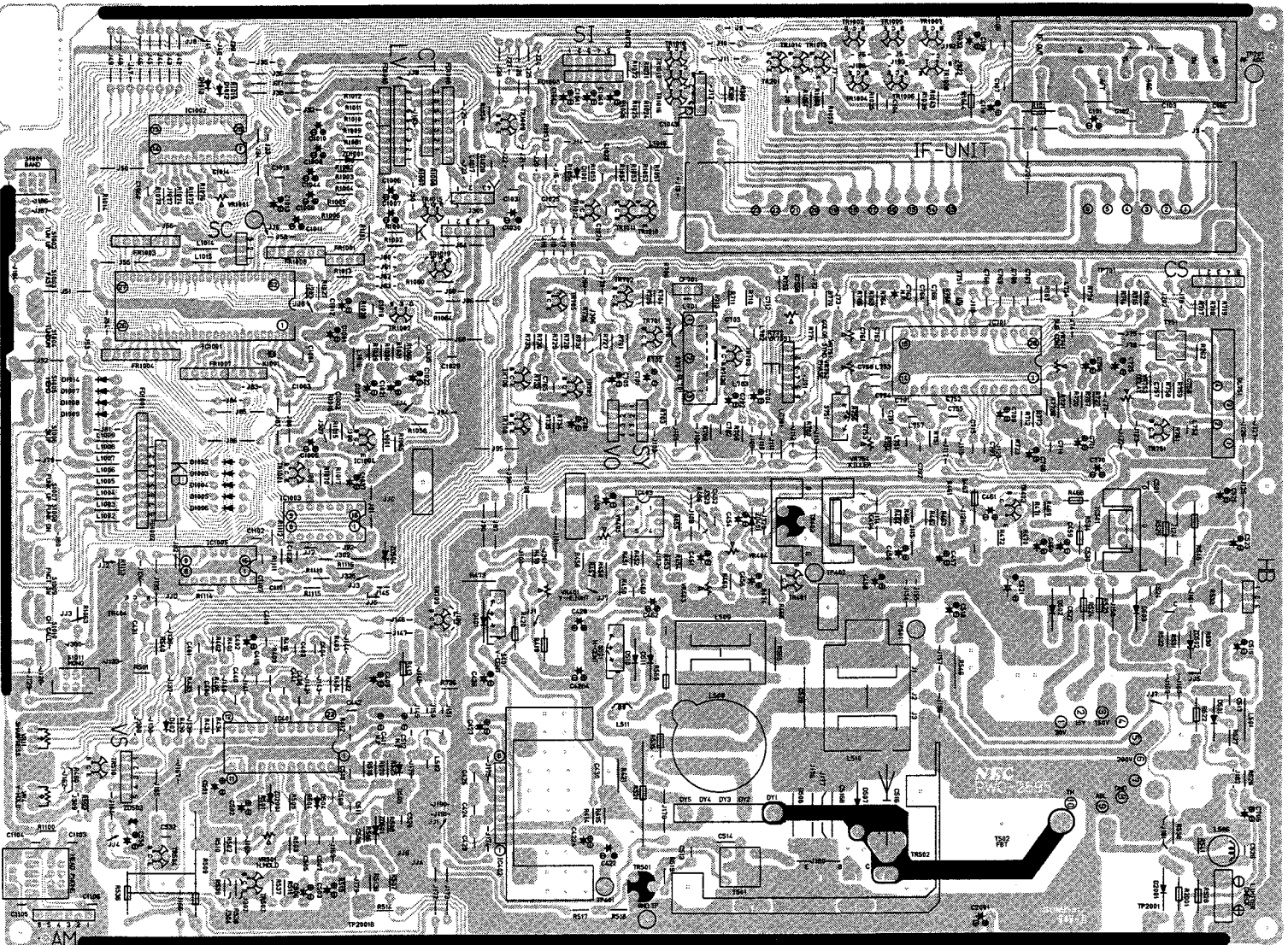
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel: 01844-351894 Fax: 01844-352554
Email: enquiries@mauritron.co.uk



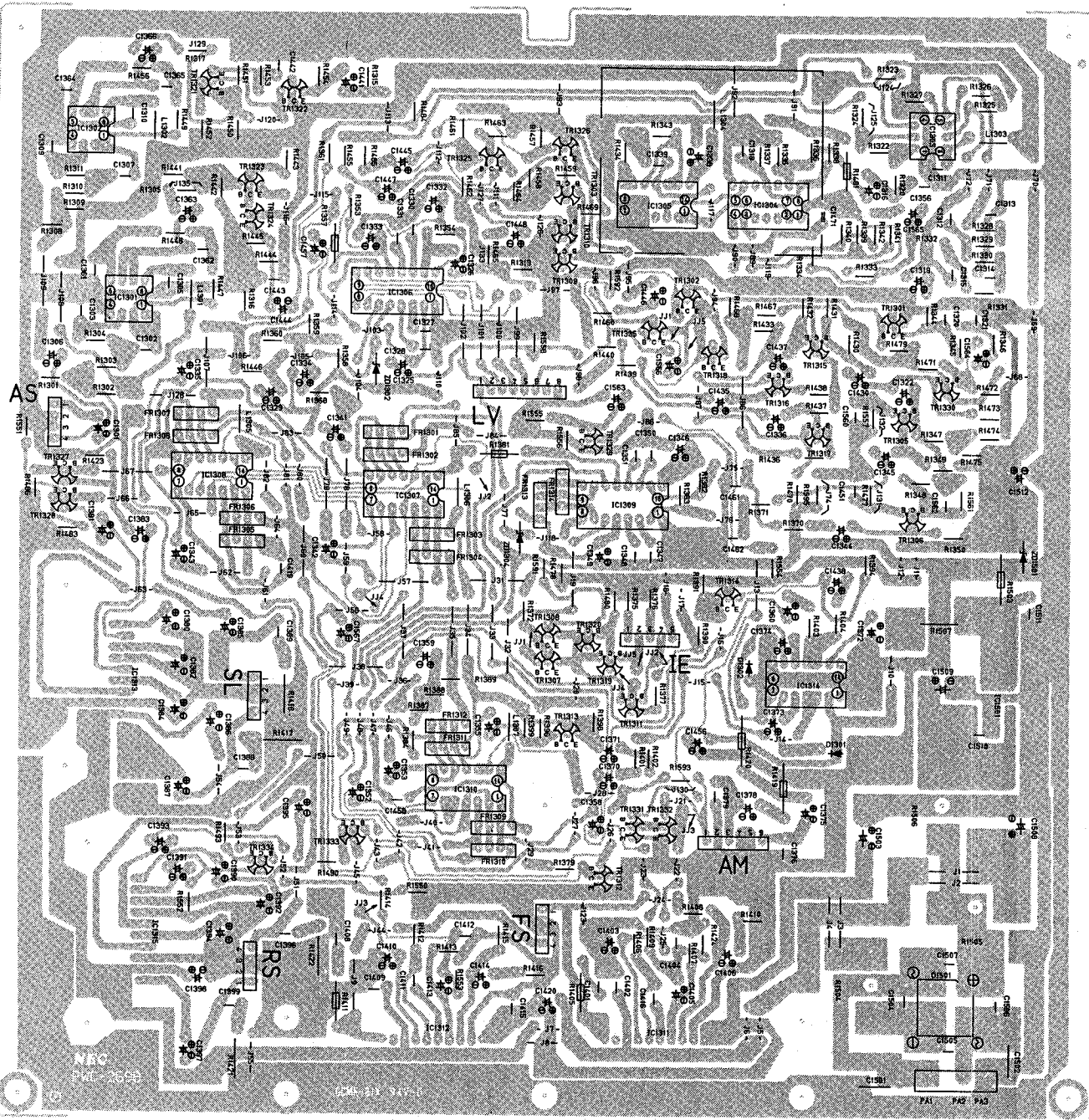
PRINTED WIRING BOARDS

All boards show the solder side.

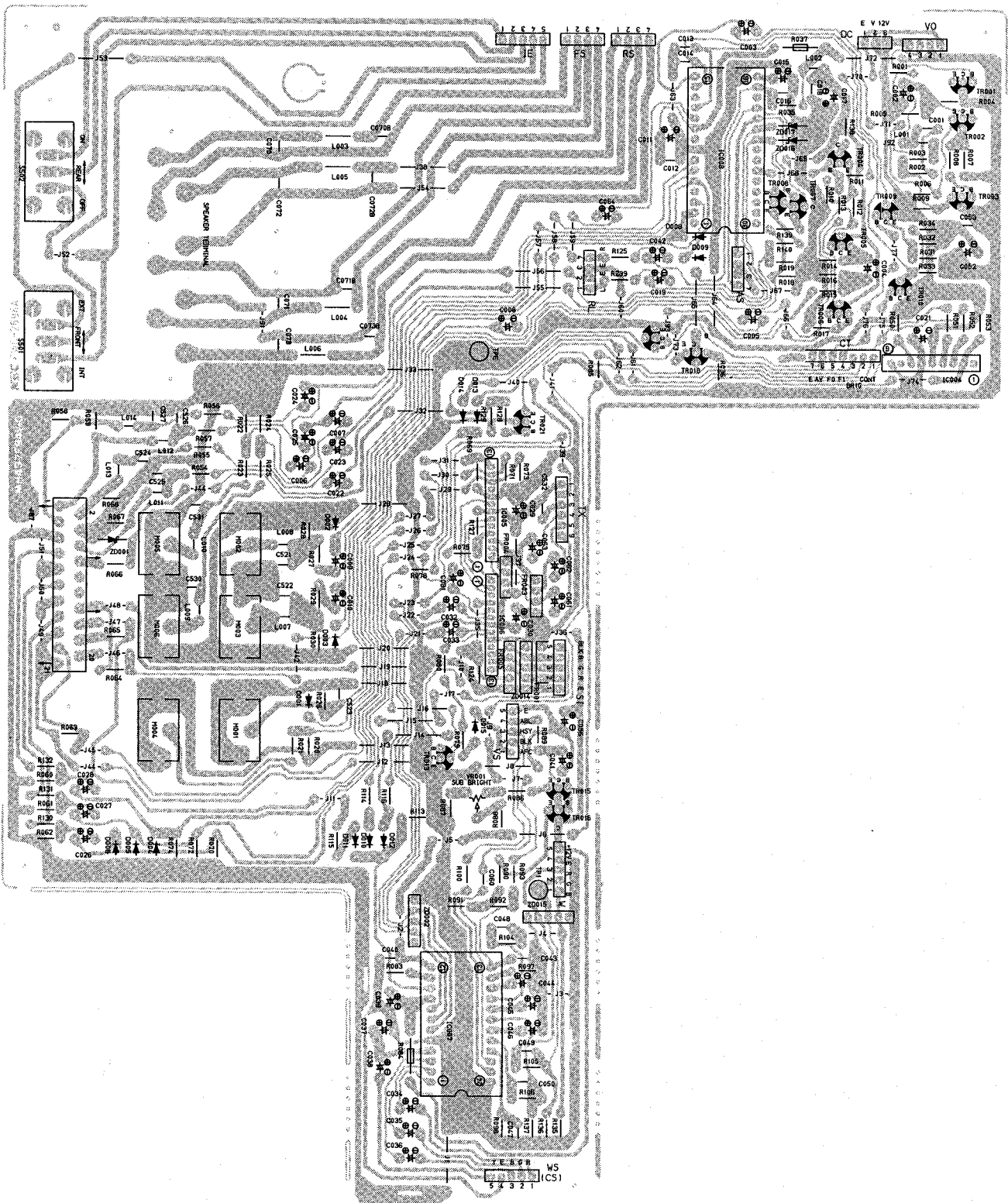
MAIN PWB (PWC 2695)



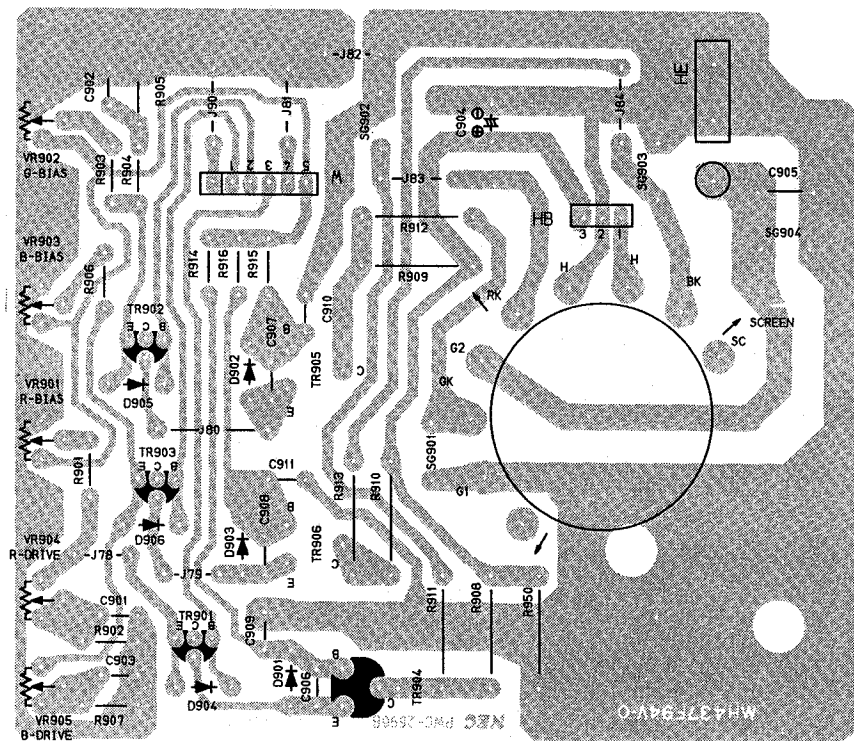
SOUND OUT PWB (PWC 2698)



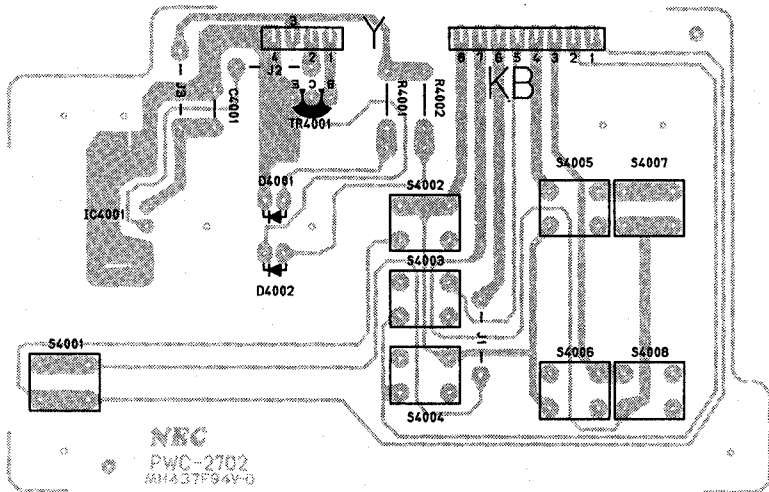
RGB INTERFACE PWB (PWC 2696A)



VIDEO CRT PWB (PWC 2696B)

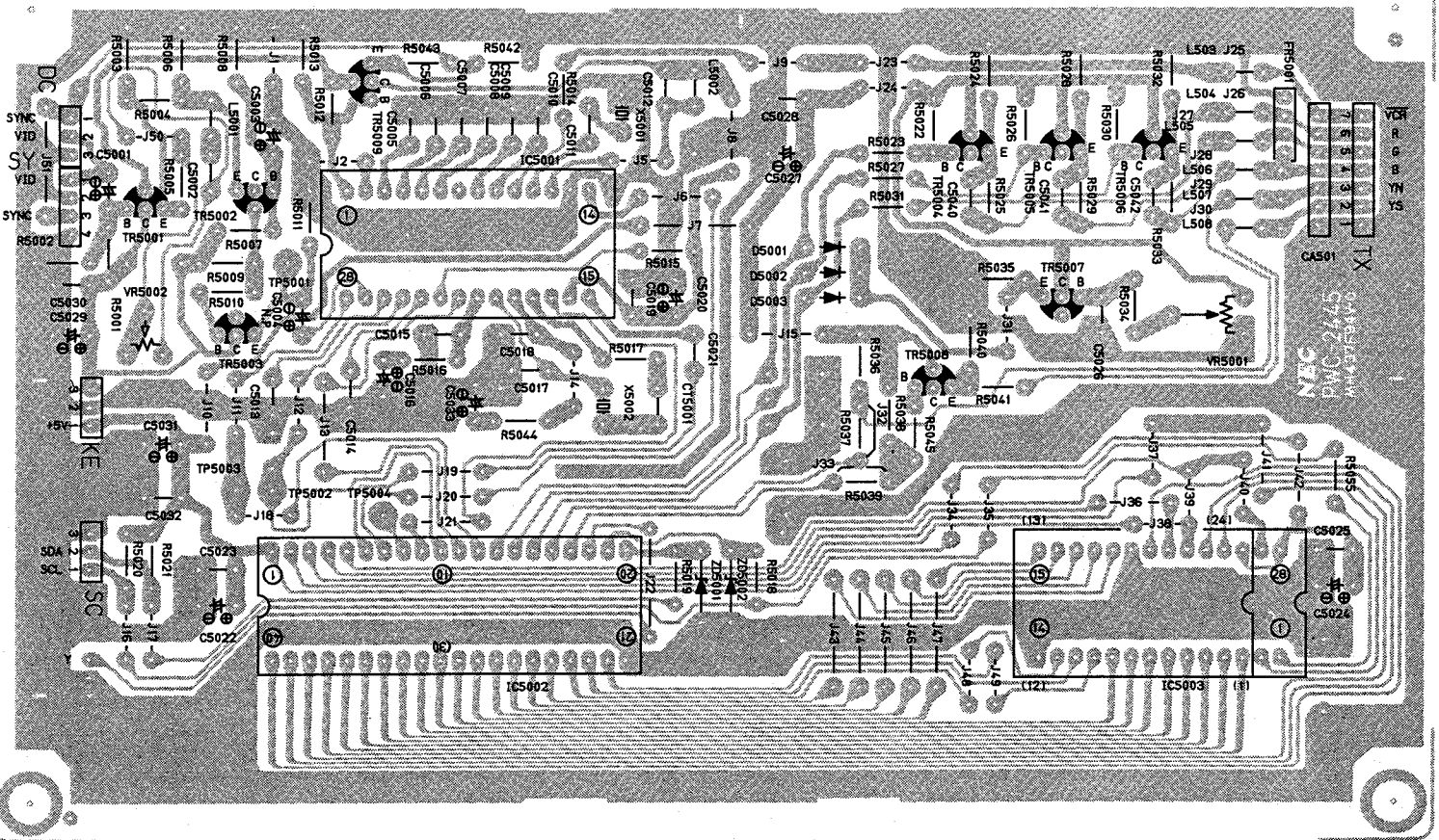


CTL LED PWB (PWC 2702)





TEXT PWB (PWC 2445)



REPLACEMENT PARTS LIST

Notes:

1. Parts orders must contain model name, parts number and description.
2. When you place an order for spare parts, please refer to the respective service manual and mention the right parts number on your P.O. Sheets.
3. Standard resistors, capacitors and coils which are normally available from local electronics suppliers are not stocked in our warehouse.

4. The quantity of spare parts mentioned in this list is for one set.
5. The components identified by a Δ mark or with the symbol Nos. shaded are critical for safety. Replace only with parts number specified.
6. Appearance parts are indicated by a number within a circle, ie ③. Refer to page 33 for identification.

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** CRT & TUNER ***

TUNER IF-WG	Δ 33023008	CRT-A59EAK00X01	1
	34333341	TUNER,UHF VARACTOR	1
	34343602	IF UNIT (UK)	1

*** ICS ***

IC1306 IC1309	37001039	IC TA7630P (DC-CONT)	2
IC1311 IC1312	37001074	IC UPC1188H (AMP)	2
IC1313 IC1315	37001079	IC LA4270 (SND AMP)	2
IC701	37003015	IC UPC1365C	1
Δ IC1501 Δ IC501 Δ IC603	37005048	IC UPC7812H	3
Δ IC601	37005084	IC STR54041 (REG)	1
IC402	37006012	IC UPC1498H (V.OUT)	1
IC401	37009016	IC UPC1377C (HORI)	1
Δ IC602	37011026	IC UPC7805H (REG)	1
IC6004	37011039	IC LA7910 (BAND SW)	1
IC1301 IC1302 IC1303	37011068	IC UPC4558C (OP AMP)	4
IC403	37011088	IC TA7730P (RGB-IF)	1
IC6007	37011089	IC AN5862K (ANALOG-SW)	2
IC6005 IC6006	37011103	IC TA7717AP (A/V SW)	1
IC6008	37051036	MOS UPD4066BC (ESD)	3
IC1307 IC1308 IC1310			
IC1305	37051088	MOS UPD4001BC (NOR) ESD	1
IC5003	37051477	MOS UPD4016C-2 (S-RAM)	1
IC1004	37056018	IC PST518A	1
IC1002	37058104	MOS MN1297NHE (CRT DIS)	1
IC1003	37058123	MOS MN1226N (EAROM)	1
IC5002	37058125	IC SAA5240A (EURO CCT)	1
IC1001	37058164	MOS MN15284KNK (V/S)	1
IC5001	37058165	IC SAA5231 (VIP2)	1
IC1314	37101167	LA4170 HEAD PHONE AMP	1
IC1304	37901174	IC MN3008 BBD	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** TRANSISTORS ***

TR6001 TR6002 TR6003	35007216	TR,2SC945-T P	13
TR6004 TR6005 TR6006			
TR6007 TR6008 TR6015			
TR6016 TR901 TR902			
TR903			
RT1333 TR1009 TR1010	35007217	TR,2SC945-T G	43
TR1011 TR1012 TR1014			
TR1016 TR1017 TR1018			
TR1305 TR1306 TR1313			
TR1314 TR1315 TR1316			
TR1317 TR1321 TR1322			
TR1323 TR1324 TR1325			
TR1326 TR1327 TR1328			
TR1330 TR1333 TR1334			
TR5001 TR5002 TR5003			
TR5004 TR5005 TR5006			
TR5007 TR5008 TR5009			
TR507 TR510 TR701			
TR702 TR703 TR706			
TR708			
TR1002	350E8012	TR,2SC2352-T L	1
TR1001 TR6021 TR705	350K3517	TR 2SA733/2SA733A-T G	4
TR751			
TR604	35003516	TR,2SA733/733A P	1
TR401	35004112	TR,2SA916 L	1
TR402	35025212	TR,2SB546/546A L	1
TR1110 TR1111 TR603	35047216	TR,2SC945 P	3
TR602	35053212	TR,2SC2002 L	1
TR501	35056312	TR,2SC2688 L	1
Δ TR502	35070300	TR 2SD821-S	1
TR904 TR905 TR906	35084401	TR,2SC3063-RL	3
TR601	35087519	TR 2SC2925 S	1
TR503	35160500	TR,AN1A4M-T	1
TR1013 TR1019 TR201	35160501	TR,AA1A4M-T	11

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** VARIABLE RESISTORS ***

VR1001 VR751 VR754	41071311	R,VARIABLE B4.7K	3
VR405	41071415	R,VARIABLE B22K	1
VR904 VR905	41085002	R,VARIABLE E200H	2
VR901 VR902 VR903	41085007	R,VARIABLE B3K	3
VR5001	41085059	R,VARIABLE B10K	1

*** RELAYS & SWITCHES ***

S6501 S6502	65113012	SWITCH,SLIDE	2
△ S651	65208007	SWITCH,SEE-SAW	1
S4001 S4003 S4004	65361015	SWITCH,PUSH BUTTON	7
S4005 S4006 S4007			
S4008			
S1002 S1003 S1004	65361016	SWITCH,PUSH BUTTON	9
S1005 S1006 S1007			
S1008 S1009 S1010			
△ RL601	65602042	RELAY G5R-1112P	1
S401 S501 S751	66099003	SWITCH,LEVER	3

*** COILS & FILTERS ***

T751	60567003	COIL,DL MATCHING	1
△ L509	60908002	WIDTH COIL	1
L510	60908039	COIL,VARIABLE WIDTH	1
△ L508	60917026	COIL,H.LIN	1
L751	610E1713	COIL,FILTER 4.7UH	1
L702 L754	610E1714	COIL,FILTER 5.6UH	2
L752	610E1717	COIL,FILTER 10UHA,T (S)	1
L5002	610E1719	COIL,FILTER 15UH	1
L753 L757	610E1723	COIL,FILTER 33UHA,T (S)	2
L6002 L703	610E1729	COIL,FILTER 100UH	2
L501	610F6014	COIL,FILTER 5.6UH	1
L603	610F7044	COIL,FILTER 5.6UH	1
L1014 L1015 L1016	610F7514	COIL,FILTER 5.6UH	4
L1017			
L1001 L1018 L1301	610F7518	COIL,FILTER 12UH	9
L1302 L1303 L1304			
L1305 L1306 L1307			
L701	61051710	COIL,FILTER 2.7UH	1
△ L651 △ L652 △ L653	61062022	COIL,LINE FILTER	3
L511	61064155	COIL,FILTER 4.7MH (0.2A)	1
CF701	61111008	CERAMIC TRAP 4.43MHZ	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** COILS & FILTERS ***

DL701	61325301	COIL,DEGAUSSING	1
	61511039	DL,0.5US	1
DL751	61511062	DELAY LINE	1
FB501 FB602 FB603	61605005	FERRITE BEADS 5*10*1.8	3
FB606 FB607	61605016	FERRITE BEADS BF50-5*7*2	2

*** PWB ASSYS ***

93N30P02	SND OUT PWB ASSY	1
93N30T01	TEXT PWB ASSY	1
93N69A01	AC-PS PWB ASSY	1
93N69F01	MAIN PWB ASSY	1
93N69K01	CONT-LED PWB ASSY	1
93N69R01	RGB INT PWB ASSY	1

*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***

FR1003	39030011	R,NETWORK 1/8W 6X47KK	1
FR1007	39030017	R,NETWORK 8*47K 10X 1/8W	1
FR1004	39030085	R,NETWORK 7*22K 5X 1/8W	1
FR1001 FR1313 FR6004	39030154	R,NETWORK 3*47K 5X 1/8W	3
FR1301 FR1302 FR1303	39030155	R,NETWORK 3*100K 5X 1/8W	13
FR1304 FR1305 FR1306			
FR1307 FR1308 FR1309			
FR1310 FR1311 FR1312			
FR6003			
FR6005	39030158	R,NETWORK 4X39K 5X 1/8W	1
FR1314	39030160	R,NETWORK 3X39K 5X 1/8W	1
FR6001	39030161	R,NETWORK 1/8W 3X82KJ	1
FR1008	39030175	R,NETWORK 5X15K 5X 1/8W	1
FR5001	39035106	R,NETWORK 3*33H 5X 1/4W	1
	63010402	SPEAKER 126*57MM 16H 3.5W	2
	63011143	SPEAKER 100M 16H 3.5W	2
X751	64003026	X TAL 4.43M(KSS)	1
X1001	64099037	X*TAL 4.194304MHZ	1
X5002	64099038	X*TAL 6.000MHZ	1
X5001	64099039	X*TAL 13.875MHZ	1
△ F651	66671005	FUSE2AT 250V SEMKO 20MM	1
△ SG901A △ SG902A △ SG903	66706001	SPARK GAP 1.2KV	4
△ SG904			

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***

H-OUT	△	70032225	SG/CRT SOCKET	1
		70101027	TR.SOCKET FK111-0	1
SK1C03 SK5003 SK5C01 SK5C02 SK1C02		70102143	IC SOCKET 16P	1
		70102147	IC SOCKET 24P	1
		70102148	IC SOCKET 28P	1
		70102149	IC SOCKET 40P	1
		70102920	IC SOCKET 28P	1
SK1C01 HPJ		70102923	IC SOCKET 52P	1
		70505030	HEADPHONE JACK	1
FB651	△	70800313	LINE CORD BS-2 L2.5	1
		71205037	HOLDER,FUSE	2
		79607751	REM-T HAND UNIT RC-1032E	1

*** PRINTED & PACKING MATERIALS ***

		24MS7011	FILLER T,CARTON	1
		24MS7021	FILLER B,CARTON	1
		24MS7281	CARTON BOX	1
		78C57242	OWNER'S MANUAL FS-5906PI/	1

*** RESISTORS ***

R631	R632	400K3584	R,SOLID 8.2M 10% 1/2W	2
R95C		40023233	R,SOLID 330K 5% 1/2W	1
R567		401C6633	R,CARBON 22H 5% 1/4W	1
R607		401C6637	R,CARBON 33H 5% 1/4W	1
R556		401C6709	R,CARBON 33K 5% 1/4W	1
R625		401C6719	R,CARBON 82K 5% 1/4W	1
R603		401H5637	R,CARBON 33H 5% 1/2W	1
R421		401H5661	R,CARBON 330H 5% 1/2W	1
R911	R912	401H5673	R,CARBON 1.0K 5% 1/2W	3
R602A		401H5745	R,CARBON 1.0M 5% 1/2W	1
R6130	R6131	401K5631	R,CARBON 18H 5% 1/6W	3
R6060	R6061	401K5643	R,CARBON 56H 5% 1/6W	3
R5025	R5029	401K5645	R,CARBON 68H 5% 1/6W	9
R5041	R5043			
R6015	R6021			
R6026	R6064	401K5646	R,CARBON 75H 5% 1/6W	2
R1591	R466	401K5649	R,CARBON 100H 5% 1/6W	20
R6008	R6012			
R6054	R6055			

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** RESISTORS ***

R6115	R6116	R705			
R726	R735	R758			
R759	R904	R914			
R915	R916				
R1024	R1025	R1026	401K5653	R,CARBON 150H 5% 1/6W	6
R902	R905	R907			
R1328	R412		401K5655	R,CARBON 180H 5% 1/6W	2
R5023	R5027	R5031	401K5657	R,CARBON 220H 5% 1/6W	6
R5040	R6006	R754			
R709			401K5659	R,CARBON 270H 5% 1/6W	1
R5017	R5035	R518	401K5661	R,CARBON 330H 5% 1/6W	4
R706					
R6007	R761		401K5663	R,CARBON 390H 5% 1/6W	2
R5018	R5019	R516	401K5665	R,CARBON 470H 5% 1/6W	11
R517	R6010	R6014			
R6017	R6127	R703			
R704	R7138				
R6003			401K5669	R,CARBON 680H 5% 1/6W	1
R5004	R6002	R6104	401K5671	R,CARBON 820H 5% 1/6W	8
R6105	R6106	R6139			
R6140	R734				
R1007	R1008	R1009	401K5673	R,CARBON 1.0K 5% 1/6W	70
R1010	R1011	R1012			
R1014	R1016	R1017			
R1058	R1060	R1061			
R1071	R1072	R1073			
R1074	R1075	R1076			
R1081	R1111	R1325			
R1344	R1345	R1361			
R1446	R1454	R1455			
R1460	R1464	R1465			
R1470	R1474	R1477			
R1485	R1557	R390			
R430	R460	R5003			
R5006	R5009	R5011			
R5016	R503	R5042			
R530	R566	R6001			
R6027	R6029	R6056			
R6057	R6065	R6066			
R6075	R6079	R6089			
R6093	P6113	R6124			
R6128	R711	R714			
R715	R716	R732			
R755	R768	R770			
R771					
R5012	R5024	R5028	401K5675	R,CARBON 1.2K 5% 1/6W	9
R5032	R5038	R6135			
R6136	R6137	R713			
R433	R434	R474	401K5677	R,CARBON 1.5K 5% 1/6W	9

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** RESISTORS ***

R537	R619	R707	401K5679	R,CARBON 1.8K 5% 1/6W	7
R708	R751	R767			
R1410	R1416	R1468			
R1555	R901	R903			
R906			401K5681	R,CARBON 2.2K 5% 1/6W	14
R1052	R1055	R1329			
R1463	R1561	R459			
R591	R6005	R611			
R622	R717	R718	401K5683	R,CARBON 2.7K 5% 1/6W	13
R719	R762				
R1100	R1101	R1337			
R1375	R1376	R1437			
R1438	R1478	R416	401K5685	R,CARBON 3.3K 5% 1/6W	9
R532	R592	R6083			
R6087					
R1443	R1453	R480			
R5022	R5026	R5030	401K5687	R,CARBON 3.9K 5% 1/6W	5
R508	R540	R710			
R1431	R1452	R1458			
R1472	R510				
R1059	R1349	R1350	401K5689	R,CARBON 4.7K 5% 1/6W	47
R1372	R1377	R1379			
R1394	R1398	R1430			
R1432	R1439	R1440			
R1444	R1445	R1457	401K5691	R,CARBON 5.6K 5% 1/6W	6
R1459	R1471	R1473			
R1479	R1480	R1483			
R1486	R1490	R1493			
R431	R432	R451	401K5693	R,CARBON 6.8K 5% 1/6W	7
R454	R5020	R5021			
R5045	R511	R519			
R525	R531	R6009			
R6018	R6019	R6051	401K5695	R,CARBON 8.2K 5% 1/6W	10
R6052	R6060	R612			
R620	R702	R729			
R764	R774				
R1451	R1467	R1475	401K5697	R,CARBON 10K 5% 1/6W	60
R450	R453	R506			
R1341	R1342	R1462			
R452	R502	R520			
R624			401K5695	R,CARBON 8.2K 5% 1/6W	10
R1303	R1304	R1310			
R1311	R1447	R1448			
R1449	R1456	R401			
R755B			401K5697	R,CARBON 10K 5% 1/6W	60
R1015	R1019	R1027			
R1028	R1029	R1050			
R1051	R1057	R1070			
R1080	R1110	R1322	401K5697	R,CARBON 10K 5% 1/6W	60
R1326	R1358	R1359			
R1360	R1368	R1384			
R1387	R1388	R1389			

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** RESISTORS ***

R1409	R1414	R1434	401K5699	R,CARBON 12K 5% 1/6W	2
R402	R403	R404			
R418	R455	R457			
R458	R5001	R5002			
R5008	R505	R6004	401K5701	R,CARBON 15K 5% 1/6W	8
R6016	R6020	R6022			
R6024	R6031	R6032			
R6033	R6034	R6035			
R6050	R6053	R6088	401K5703	R,CARBON 18K 5% 1/6W	2
R6092	R6097	R6100			
R6129	R621	R623			
R712	R720	R730			
R733	R773	R779	401K5705	R,CARBON 22K 5% 1/6W	18
R1115	R5007				
R1013	R1030	R1031			
R1056	R1066	R1327			
R415	R701		401K5707	R,CARBON 27K 5% 1/6W	5
R1442	R722				
R1332	R1370	R1371			
R1401	R1402	R1403			
R1404	R1441	R1450	401K5709	R,CARBON 33K 5% 1/6W	5
R1461	R1592	R5034			
R513	R513B	R6090			
R6098	R6125	R6239			
R1338	R1343	R514	401K5711	R,CARBON 39K 5% 1/6W	1
R763	R766				
R1316	R406	R409			
R414	R501				
R1001			401K5713	R,CARBON 47K 5% 1/6W	7
R1065	R1413	R1469			
R1484	R6070	R6072			
R6074					
R1002	R1004	R1005	401K5715	R,CARBON 56K 5% 1/6W	13
R1006	R1053	R1054			
R1320	R1330	R1331			
R1556	R6085	R723			
R727			401K5717	R,CARBON 68K 5% 1/6W	6
R1323	R1324	R5015			
R504	R526	R6086			
R1336	R527	R6091			
R1301	R1302	R1308	401K5719	R,CARBON 82K 5% 1/6W	3
R1309	R1315	R1319			
R1333	R1334	R1335			
R1339	R1340	R1346			
R1347	R1353	R1354	401K5721	R,CARBON 100K 5% 1/6W	39
R1382	R1383	R1390			
R1391	R1396	R1399			
R1406	R1407	R1408			
R1412	R1415	R1433	401K5721	R,CARBON 100K 5% 1/6W	39
R1436	R1597	R6028			
R6030	R6058	R6059			

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** RESISTORS ***

R6063	R6067	R6068			
R6069	R6071	R6073			
R1003	R1082		401K5723	R,CARBON 120K 5% 1/6W	2
R757			401K5729	R,CARBON 220K 5% 1/6W	1
R756			401K5737	R,CARBON 470K 5% 1/6W	1
R728			401K5745	R,CARBON 1.0M 5% 1/6W	1
R491			40105681	R,CARBON 2.2K 5% 1/6W	1
R4001	R4002		40107155	R,CARBON 180H 5% 1/6W	2
R492			40107179	R,CARBON 1.8K 5% 1/6W	1
R499	R593		40107197	R,CARBON 10K 5% 1/6W	2
△R522			40175101	R,CARBON 1H 5% 1/4W	1
R721			40175109	R,CARBON 2.2H 5% 1/4W	1
△R618			40177109	R,CARBON 2.2H 5% 1/4W	1
R6084			40177117	R,CARBON 4.7H 5% 1/4W	1
△R528			40177173	R,CARBON 1.0K 5% 1/4W	1
△R524			40178109	R,CARBON 2.2H 5% 1/2W	1
△R614			40178117	R,CARBON 4.7H 5% 1/2W	1
R1405	R1411	△R616	40178125	R,CARBON 10H 5% 1/2W	3
R428	R429		40185161	R,CARBON 330H 5% 1/2W	2
R1504	R1505		40216003	R,WIRE 3.3H 10% 5W	2
R601			40216004	R,WIRE 4.7H 10% 5W	1
R651			40216013	R,WIRE 150H 10% 5W	1
△R1507	R419	△R523	40371101	R,METAL 1.0H 5% 1W	3
R534			40371109	R,METAL 2.2H 5% 1W	1
R533			40371111	R,METAL 2.7H 5% 1W	1
△R1506			40371117	R,METAL 4.7H 5% 1W	1
R535			40371185	R,METAL 3.3K 5% 1W	1
R604			40371215	R,METAL 56K 5% 1W	1
R630			40371221	R,METAL 100K 5% 1W	1
R546			40372101	R,METAL 1.0H 5% 2W	1
R467			40372133	R,METAL 22H 5% 2W	1
R1419	R1420		40372139	R,METAL 39H 5% 2W	2
R555			40372159	R,METAL 270H 5% 2W	1
R908	R909	R910	40372199	R,METAL 12K 5% 2W	3
R536			40372201	R,METAL 15K 5% 2W	1
△R1503			40373101	R,METAL 1.0H 5% 3W	1
R545			40373119	R,METAL 5.6H 5% 3W	1
R529			40373125	R,METAL 10H 5% 3W	1
R605			40373131	R,METAL 18H 5% 3W	1
R550			40373175	R,METAL 1.2K 5% 3W	1
R521			40375189	R,METAL 4.7K 5% 5W	1
R509			40375193	R,METAL 6.8K 5% 5W	1
R1417	R1418	R1421	40403113	R,METAL 3.3H 1% 1/2W	4
R1422					
R1357	R1381	R1481	40405109	R,METAL 2.2H 5% 1/4W	4
△R2001					
R101	R1044		40405117	R,METAL 4.7H 5% 1/4W	2
R6037	R950A		40405125	R,METAL 10H 5% 1/4W	2
R413			40405145	R,METAL 68H 5% 1/4W	1
R606			40499011	R,METAL 0.68H 5% 2W	1

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** CAPACITORS ***

C5019	C5021	C5026	420R9525	C,CERAMIC 50V 0.01UF	6
C5028	C5030	C5032			
C424			420C9551	C,CERAMIC 500V 100PF	1
C522			420C9560	C,CERAMIC 500V 560PF	1
C513			420C9565	C,CERAMIC 500V 1500PF	1
C517	C524		420C9567	C,CERAMIC 500V 2200PF	2
C430	C514		4203J575	C,CERAMIC 500V 0.01UF	2
C905			42034713	C,CERAMIC 2KV 0.001UF	1
C617			42039060	C,CERAMIC 500V 560PF	1
C603	C604	C605	42051113	C,CERAMIC 500V 4700PF	5
C606	C607				
△C626			42056003	C,CERAMIC 400V 470PF	1
C652	C653		42056006	C,CERAMIC 400V 2200PF	2
C1501	C1502		42057007	C,CERAMIC 400V 1000PF	2
△C599			42074755	C,CERAMIC 2KV 220PF	1
C621			4209J059	C,CERAMIC 2KV 560PF	1
C614	C616		42099C86	C,CERAMIC 2KV 1000PF	2
C906	C907	C908	421C0207	C,CERAMIC 50V 330PF	3
C902			421C0210	C,CERAMIC 50V 560PF	1
C1320	C1356	C1361	421C0213	C,CERAMIC 50V 1000PF	9
C1364	C415	C5006			
C511	C901	C903			
C1302	C1307		421C0215	C,CERAMIC 50V 1500PF	2
C1060	C1321		421C0217	C,CERAMIC 50V 0.0022UF	2
C1303	C1309		421C0218	C,CERAMIC 50V 2700PF	2
C1562			421C0221	C,CERAMIC 50V 4700PF	1
C102	C1025	C103	421C0225	C,CERAMIC 50V 0.01UF	31
C105	C107	C108			
C1327	C1330	C1347			
C1350	C1376	C1379			
C1401	C1408	C431			
C532	C6012	C6013			
C6014	C6016	C6018			
C6043	C6053	C710			
C715	C752	C762			
C765	C909	C910			
C911					
C510			421C0713	C,CERAMIC 50V 1000PF	1
C757	C758	C764	421C1C25	C,CERAMIC 25V 0.01UF	4
C766					
C1402	C1409	C1415	421J9001	C,CERAMIC 50V 0.1UF	13
C1504	C1505	C1506			
C1507	C1510	C526			
C530	C531	C6532			
C755					
C1002	C1015	C1026	421J9036	C,CERAMIC 25V 0.1UF	21

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** CAPACITORS ***

C1028	C1029	C1031			
C1043	C1305	C1310			
C1311	C1318	C1328			
C1331	C1348	C1351			
C1419	C1458	C1511			
C5023	C5025	C6060			
C538			42130713	C,CERAMIC 50V 1000PF 10%	1
C628	C629	C631	4219J002	C,CERAMIC 50V 0.1UF	4
C632					
C1442	C1443		423A1033	C,CERAMIC 50V 33PF	2
C5040	C5041	C5042	423A1045	C,CERAMIC 50V 100PF	4
C761					
C5014			423A1053	C,CERAMIC 50V 220PF	1
C5009	C520	C780	423A1055	C,CERAMIC 50V 270PF	3
C1404	C1412		423A1057	C,CERAMIC 50V 330PF	2
C1339			423A1076	C,CERAMIC 50V 390PF	1
C1312	C1313	C1314	423A1101	C,CERAMIC 50V 470PF	5
C1315	C5007				
C1003	C1004		423A2023	C,CERAMIC 50V 12PF	2
C5005	C5011		423A2025	C,CERAMIC 50V 15PF	2
C5017	C769		423A2027	C,CERAMIC 50V 18PF	2
C1411	C1416		423A2029	C,CERAMIC 50V 22PF	2
C1451	C1560	C6001	423A2033	C,CERAMIC 50V 33PF	4
C707					
C1014	C1019	C712	423A2037	C,CERAMIC 50V 47PF	7
C759	C767	C768			
C791					
C792			423A2040	C,CERAMIC 50V 62PF	1
C703			423A2041	C,CERAMIC 50V 68PF	1
C5010	C6523	C751	423A2045	C,CERAMIC 50V 100PF	3
C782			423A2104	C,CERAMIC 50V 220PF	1
C6101			4231B039	C,CERAMIC 50V 56PF	1
C751E			4231B043	C,CERAMIC 50V 82PF	1
C5012			4231F031	C,CERAMIC 50V 27PF	1
C591			42312045	C,CERAMIC 50V 100PF	1
C6047			42312105	C,CERAMIC 50V 270PF	1
C598			427A7C13	C,FILM 100V 0.01UF	1
C1023			427F4001	C,FILM 50V 1000PF	1
C508			427F4013	C,FILM 50V 0.01UF	1
C1024	C509		427F4017	C,FILM 50V 0.022UF	2
C1362	C1365		427F4058	C,FILM 50V 3900PF	2
C507			427F4059	C,FILM 50V 4700PF	1
C410	C423	C5008	427F4067	C,FILM 50V 0.022UF	4
C6040					
C403	C404		427F4069	C,FILM 50V 0.033UF	2

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** CAPACITORS ***

C401	C5015	C5018	427F4071	C,FILM 50V 0.047UF	3
C406	C5013		427F4073	C,FILM 50V 0.068UF	2
C753	C754		427F4075	C,FILM 50V 0.1UF	2
C505			427J9058	C,FILM 100V 5600PF	1
C615			42703671	C,FILM 400V 0.047UF	1
△C516E			42703871	C,FILM 400V 0.047UF	1
△C529			42703879	C,MYLAR 400V 0.22	1
C612			42760071	C,FILM 50V 0.047UF	1
△C516			42808559	C,METAL FILM 1.6KV0.0105UF	1
C1388	C1389	C1396	4282C017	C,METAL FILM 50V 0.2U	5
C1399	C489				
C408			4282C025	C,METAL FILM 50V 1UF	1
△C651	△C654		42824225	C,METAL FILM 250V 0.1UF	2
C1021	C1022	C1037	430A4101	C,ELEC 50V 0.22UF	5
C402	C708				
C1322	C1325	C1326	430A4103	C,ELEC 50V 0.47UF	25
C1336	C1342	C1343			
C1344	C1345	C1355			
C1358	C1359	C1360			
C1363	C1366	C1370			
C1371	C1430	C1435			
C1437	C1438	C1441			
C1444	C1457	C1564			
C1565					
C503	C506	C756	430A4105	C,ELEC 50V 1UF	3
C781			430A9025	C,ELEC 16V 10UF	1
C5003			430A9026	C,ELEC 16V 22UF	1
C5001			430A9028	C,ELEC 16V 47UF	1
C5020	C5022	C5024	430A9029	C,ELEC 16V 100UF	6
C5027	C5029	C5031			
C1563			430A9030	C,ELEC 16V 220UF	1
C409	C6004	C6005	430A9032	C,ELEC 16V 470UF	3
C462	C6533		430A9038	C,ELEC 25V 10UF	2
C523			430A9045	C,ELEC 25V 470UF	1
C5016			430A9061	C,ELEC 50V 1UF	1
C1406	C1414		430B3110	C,ELEC 50V 100UF	2
C1349	C1566		430B5051	C,ELEC 16V 220UF	2
C427			430B5C90	C,ELEC 35V 100UF	1
C1013			430B6016	C,ELEC 10V 100UF	1
C1001			430B6019	C,ELEC 10V 470UF	1
C1329	C6002	C6003	430B6025	C,ELEC 16V 10UF	13
C6008	C6015	C6019			
C6042	C6044	C6045			
C6046	C701	C704			
C706					

SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** CAPACITORS ***

C1005		430B6027	C,ELEC 16V 33UF	1
C702		430B6028	C,ELEC 16V 47UF	1
C101	C1030 C1032	430B6029	C,ELEC 16V 100UF	14
C501	C6011 C6017			
C6021	C6029 C6030			
C6039	C6052 C6056			
C6064	C725			
C525	C711	430B6032	C,ELEC 16V 470UF	2
C1316	C1319 C1332	430B6037	C,ELEC 25V 4.7UF	4
C1346				
C1373	C1374	430B6038	C,ELEC 25V 10UF	2
C1372		430B6040	C,ELEC 25V 33UF	1
C1333	C1334 C1375	430B6041	C,ELEC 25V 47UF	4
C1378				
C1380	C1382 C1384	430B6042	C,ELEC 25V 100UF	6
C1390	C1392 C1394			
C1006	C1007 C1008	430B6061	C,ELEC 50V 1UF	29
C1009	C1010 C1011			
C1012	C1040 C1041			
C1042	C1044 C1301			
C1306	C1335 C1341			
C1352	C1353 C1445			
C1447	C6031 C6032			
C6033	C6037 C6041			
C6061	C6062 C6063			
C705	C770			
C1405	C1413	430B6062	C,ELEC 50V 2.2UF	2
C1446	C1448 C502	430B6063	C,ELEC 50V 3.3UF	3
C1381	C1383 C1391	430B6064	C,ELEC 50V 4.7UF	6
C1393	C2001 C709			
C1020		430B6065	C,ELEC 50V 10UF	1
C1403	C1410 C550	430B6067	C,ELEC 50V 33UF	3
C453		430B6068	C,ELEC 50V 47UF	1
C1420		430K5116	C,ELEC 160V 1UF	1
C635		4300E116	C,ELEC 160V 1UF	1
C904		4300E124	C,ELEC 250V 10UF	1
C1509		4301J046	C,ELEC 25V 1000UF	1
C457		4301J056	C,ELEC 35V 330UF	1
C426	C428	4301J057	C,ELEC 35V 470UF	2
C630		4301J058	C,ELEC 35V 1000UF	1
C634		4301J065	C,ELEC 50V 10UF	1
C633		4301J069	C,ELEC 50V 100UF	1
C490		43019064	C,ELEC 50V 4.7UF	1
C491		43019065	C,ELEC 50V 10UF	1

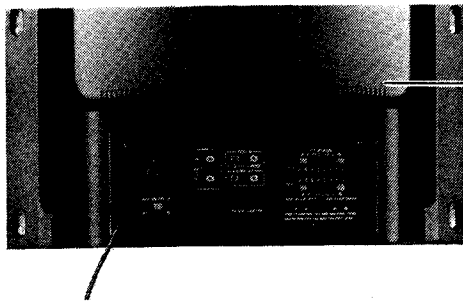
SYMBOL	PARTS NO	DESCRIPTION	QTY
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*** CAPACITORS ***

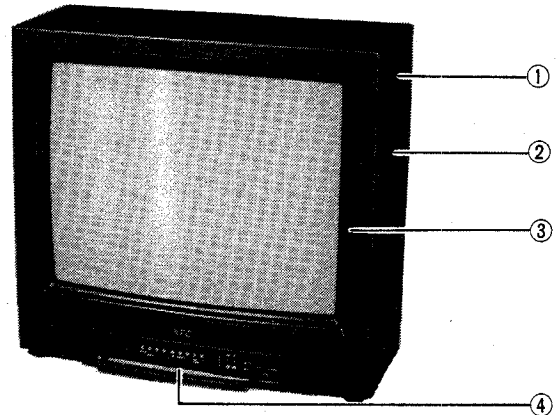
C727		4302F036	C,ELEC 16V 4700UF	1
C1385	C1387 C1395	4302F046	C,ELEC 25V 1000UF	4
C1397				
C611		4302F101	C,ELEC 100V 47UF	1
C521		4302F111	C,ELEC 35V 3300UF	1
C1508		4302F171	C,ELEC 25V 6800UF	1
C623		4302F560	C,ELEC 250V 100UF	1
C6006	C6007 C6009	4302H077	C,ELEC 50V 1UF	4
C6010				
C1456	C1512 C627	43026034	C,ELEC 16V 2200UF	3
C6022	C6023 C6024	43027043	C,ELEC 16V 10UF	7
C6025	C6026 C6027			
C6028				
C518		4309J030	C,ELEC 200V 3.3UF	1
C519		4309J040	C,ELEC 160V 10UF	1
C458		4309J059	C,ELEC 160V 4.7UF	1
C608		43104071	C,ELEC 400V 100UF	1
C454		433A3022	C,ELEC 16V 10UF	1
C763		433A3043	C,ELEC 35V 4.7UF	1
C411	C5004 C512	433A3055	C,ELEC 50V 1UF	6
C6034	C6035 C6036			
C110		435A5067	C,TANTALUM 35V 0.22UF	1
C1338		43599C09	C,TANTALUM 16V 47UF	1
C422A		43950090	C,TANTALUM 35V 1UF	1
C422	C422B	43950093	C,TANTALUM 35V 3.3UF	2

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

APPEARANCE PARTS



⑧

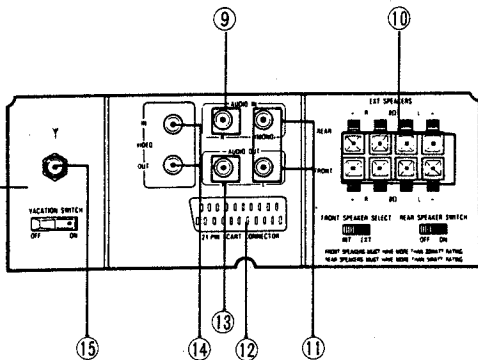


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④



⑨

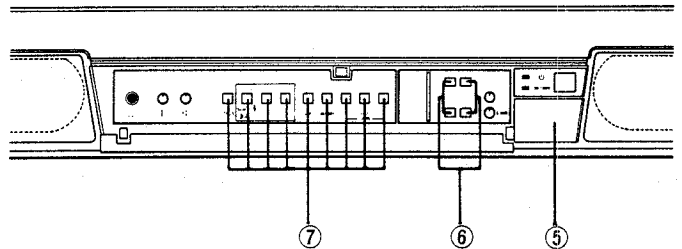
⑩

⑮

⑭

⑫

⑪



⑦

⑥

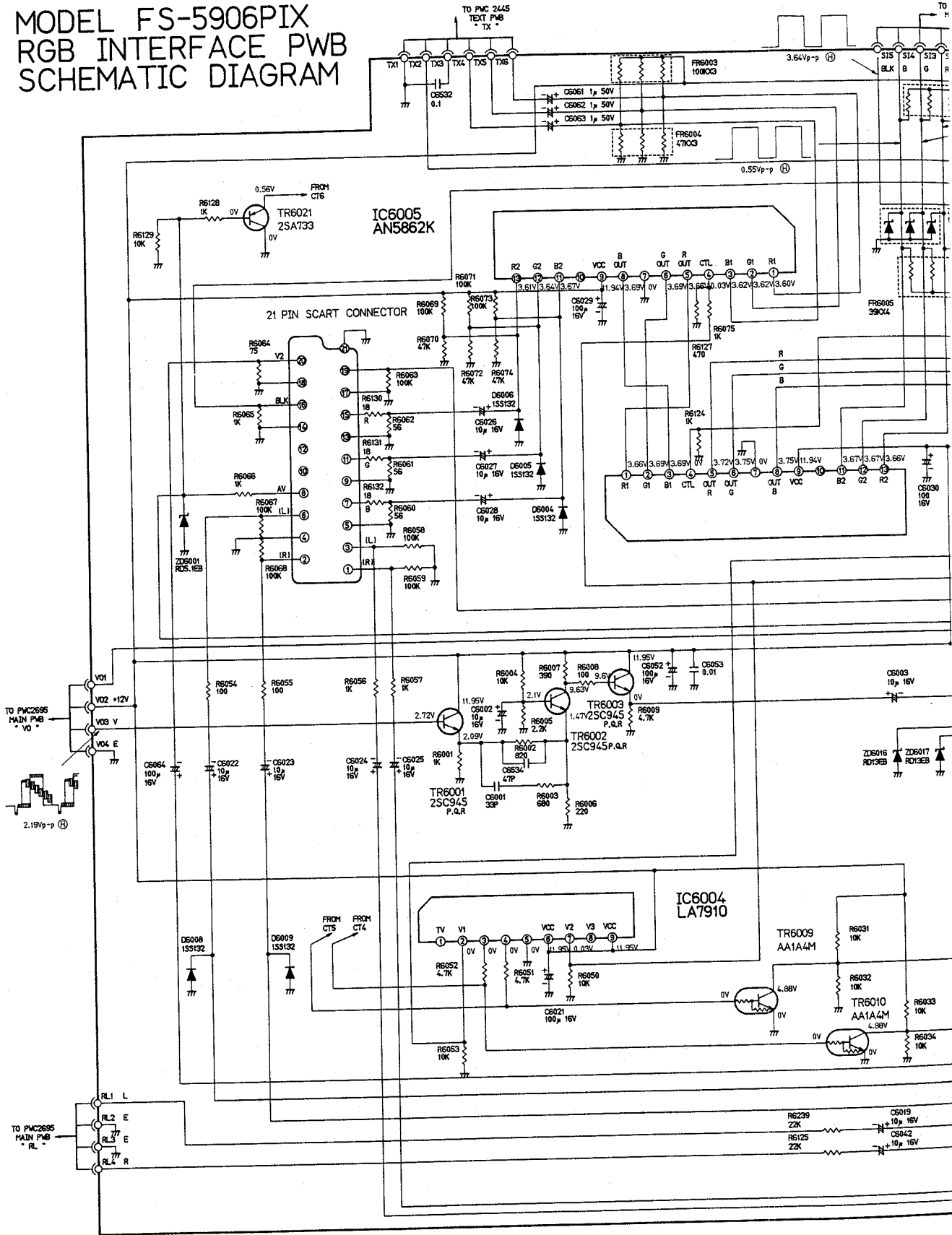
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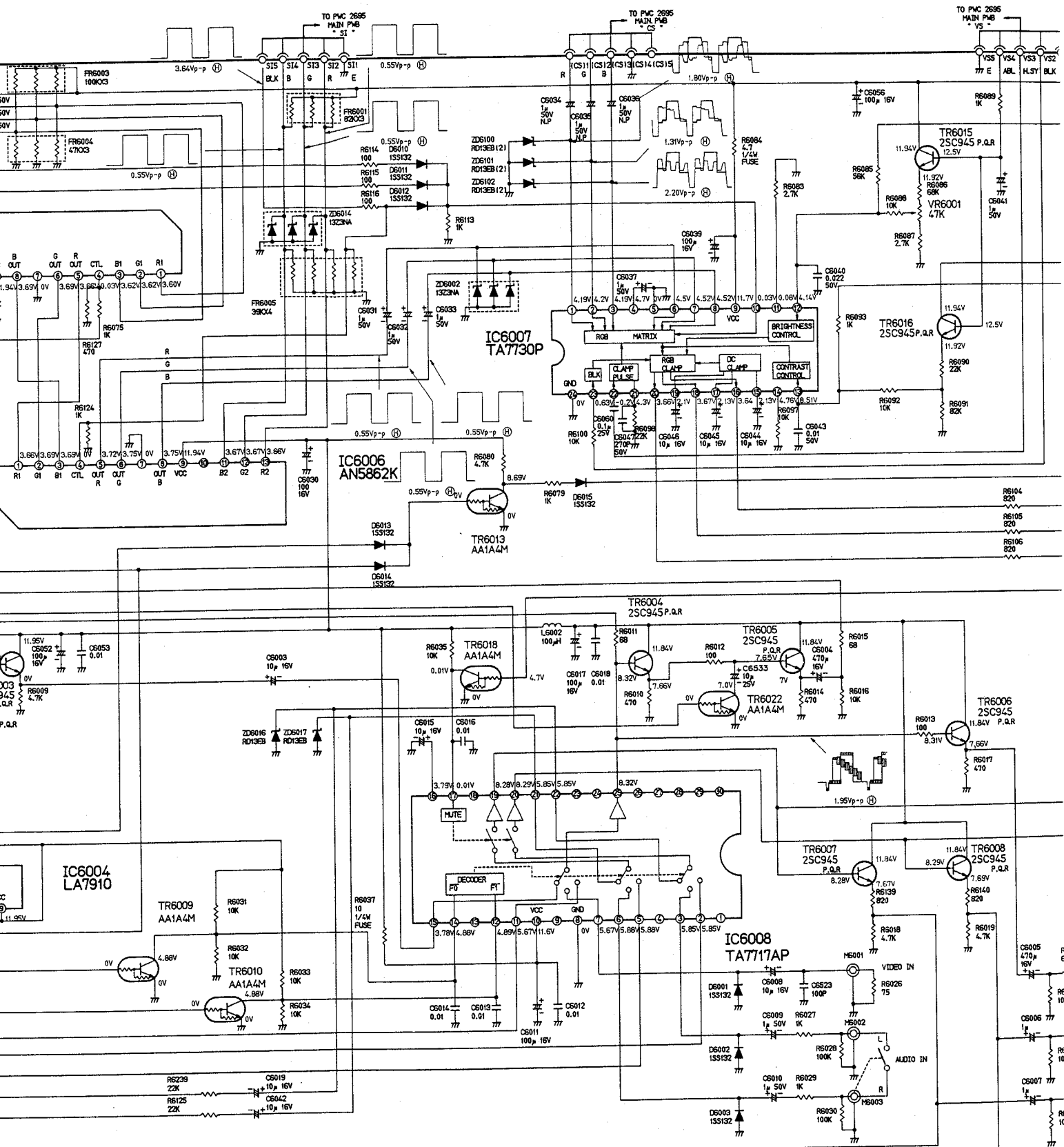
SYMBOL	PARTS NO	DESCRIPTION	QTY
*** APPEARANCE PARTS ***			
⑧	24DS7131	CABINET BACK	1
③	24DS7143	PANEL, FRONT	1
②	24ES1972	CABINET	1
①	24FS6632	GRILLE, SPEAKER	2
④	24FS7321	LID, CONTROL	1
⑮	24FS7351	TERMINAL BOARD	1

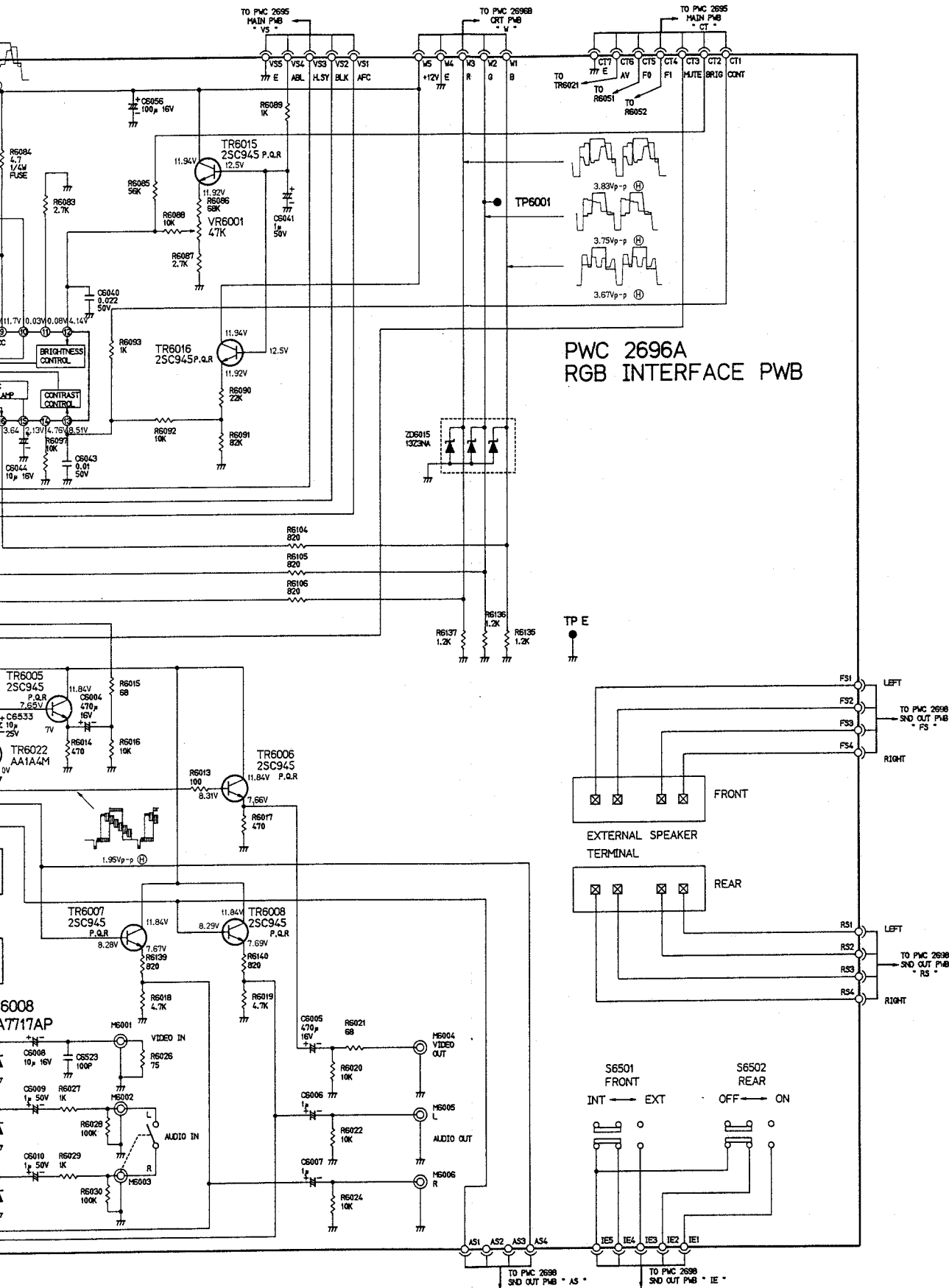
*** KNOBS & PUSH BUTTONS ***			
⑤	24GS4601	PUSH BUTTON	1
⑦	24GS5211	PUSH BUTTON	1
⑥	24GS5221	PUSH BUTTON	1

*** ELECTRICAL PARTS & MISCELLANEOUS PARTS ***			
⑬	70051120	PIN JACK	1
⑪	70051121	PIN JACK	2
⑭	70051122	PIN JACK	2
⑨	70051124	PIN JACK	1
⑫	70057030	21P SOCKET	1
⑮	71122521	TERMINAL BOARD, ANTENNA	1
⑩	71199029	SPEAKER TERMINAL (8P)	1

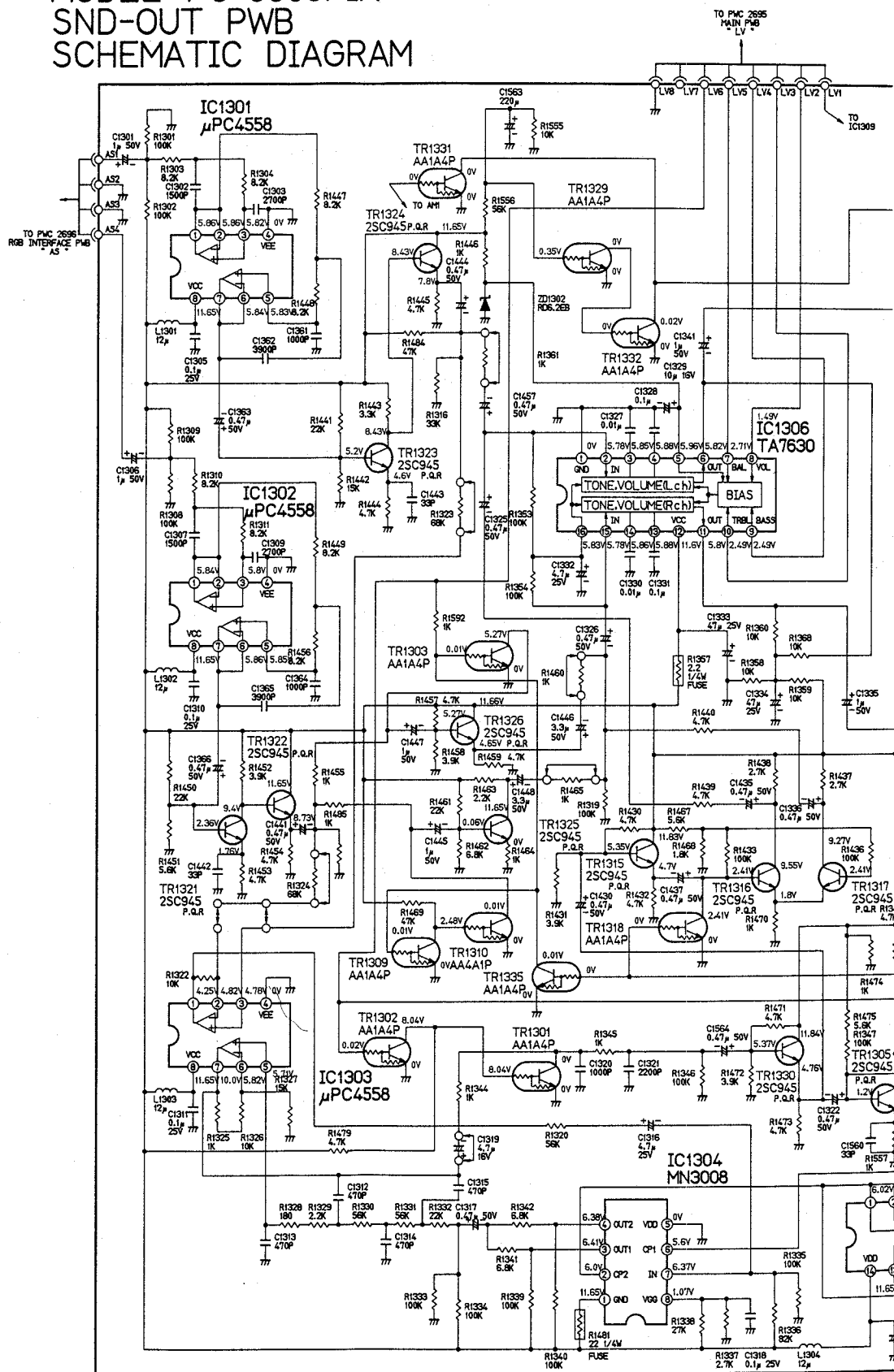
MODEL FS-5906PIX RGB INTERFACE PWB SCHEMATIC DIAGRAM





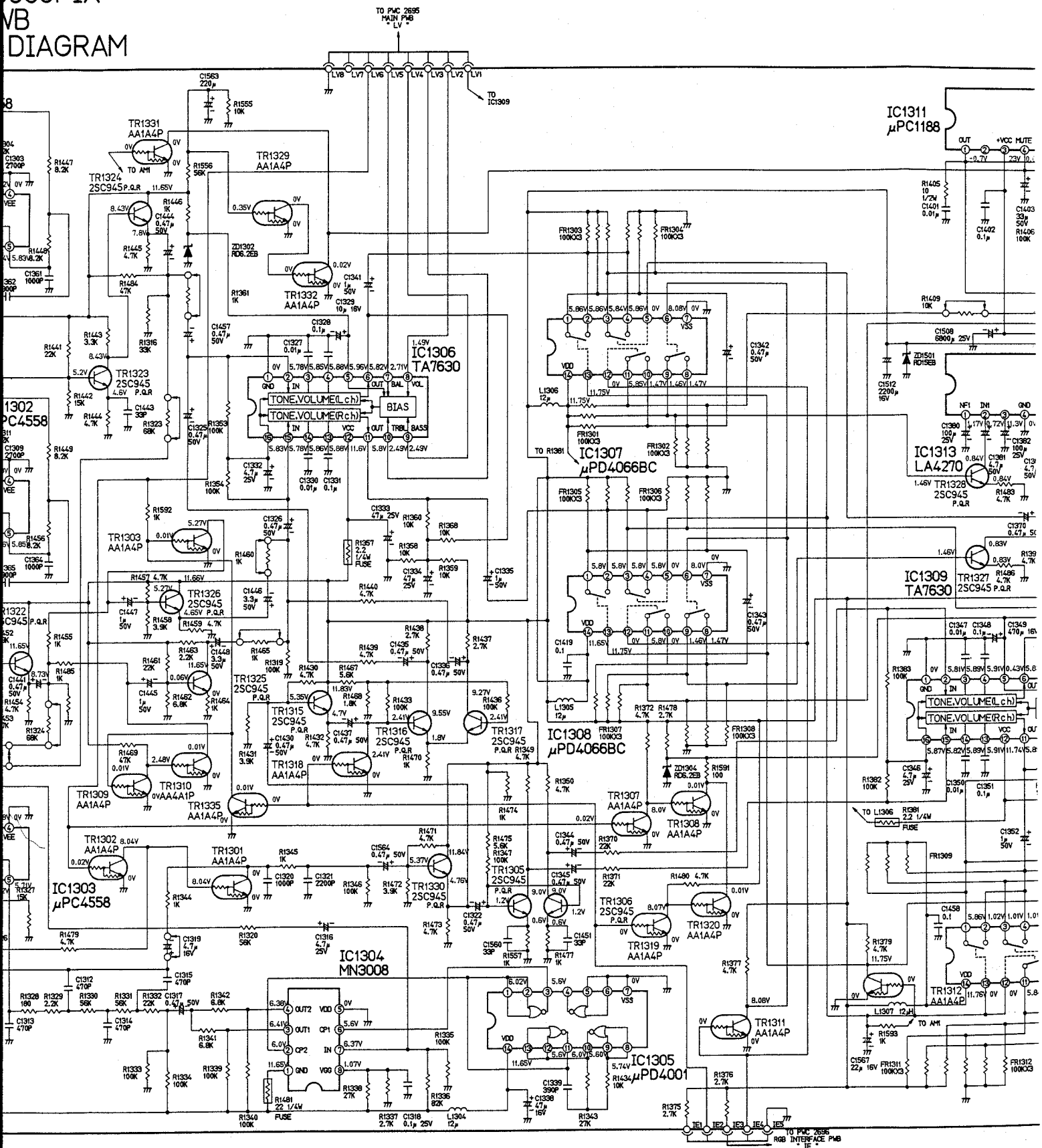


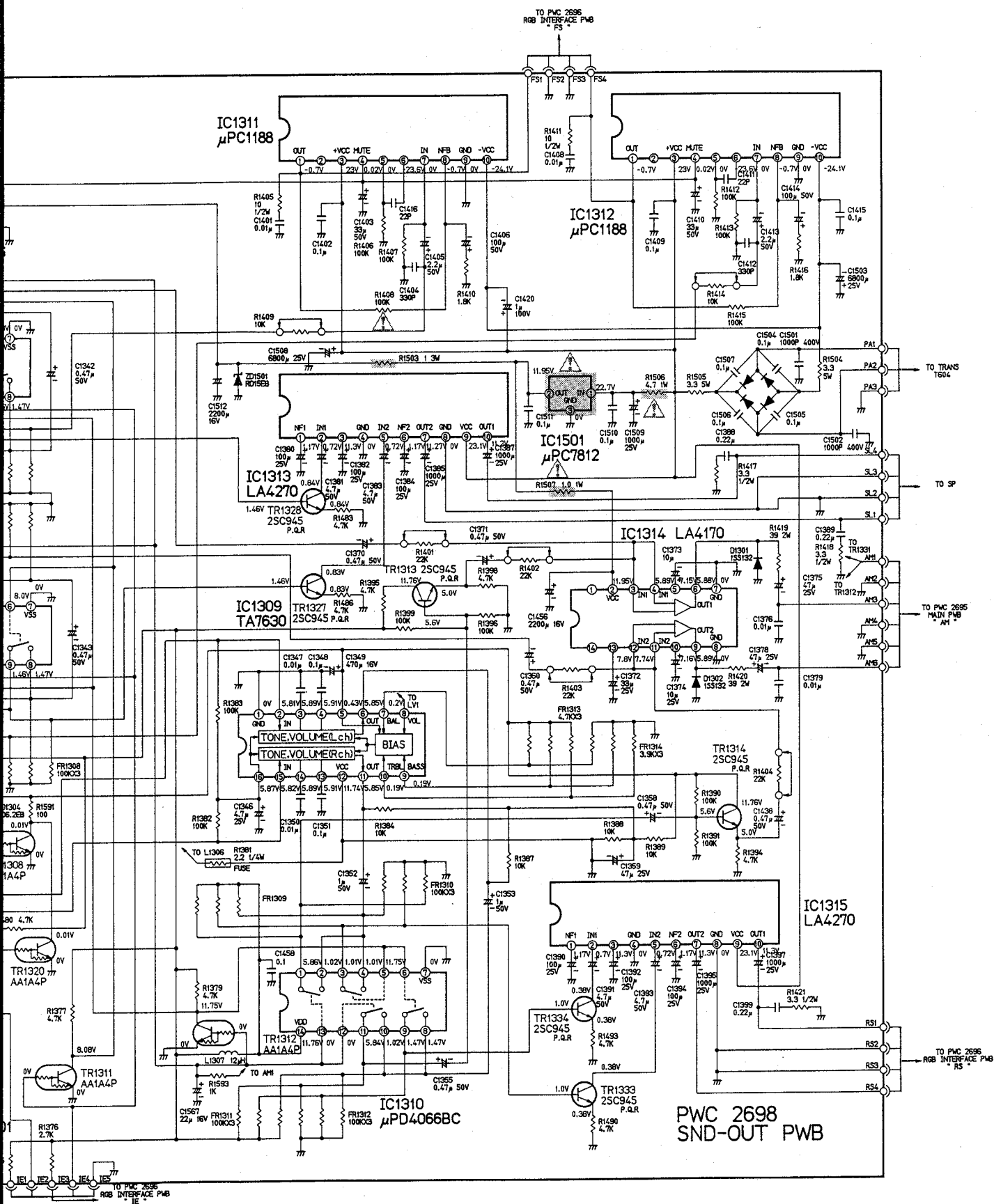
MODEL FS-5906PIX
SND-OUT PWB
SCHEMATIC DIAGRAM



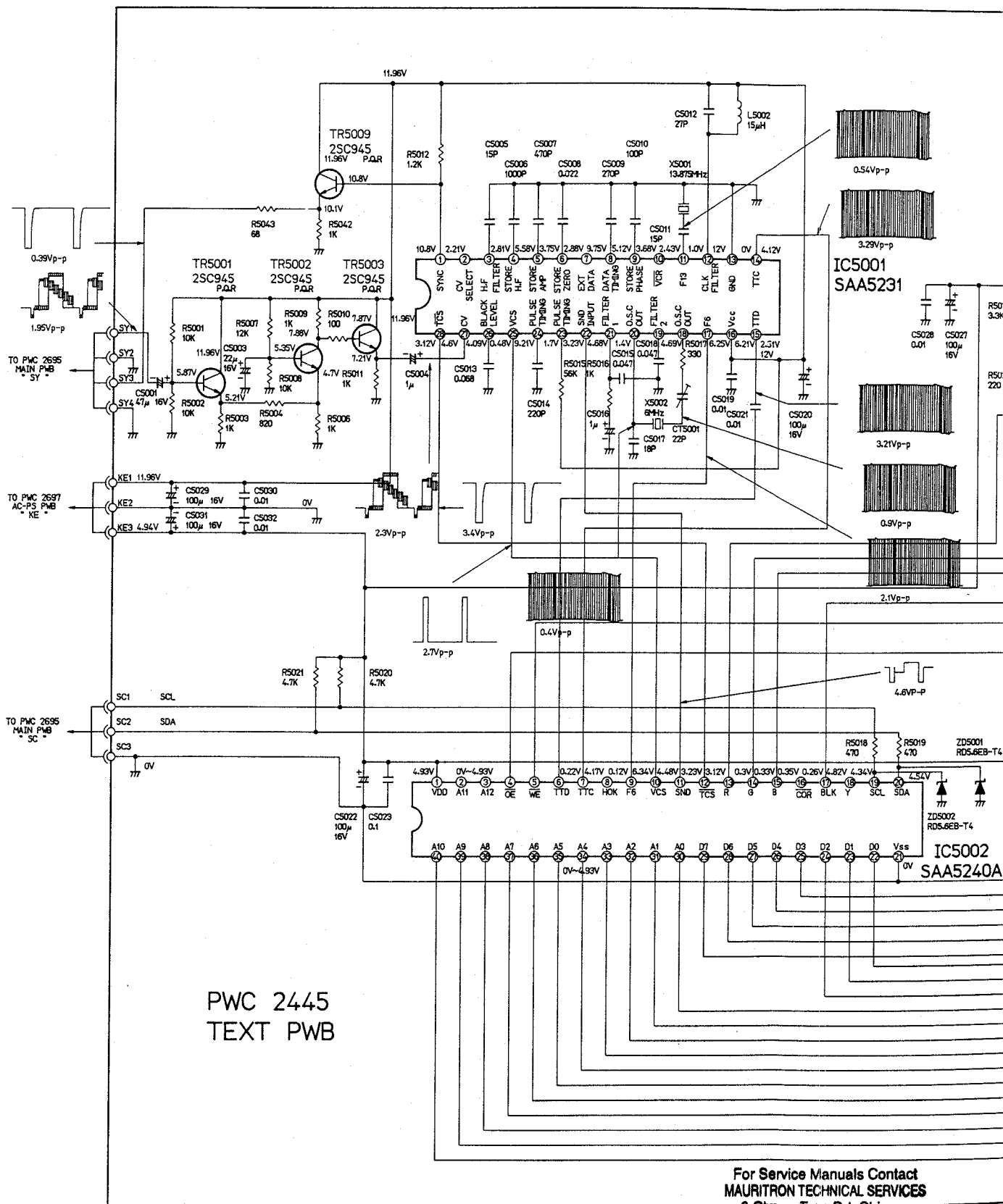
**For Service Manuals Contact
MAURITRON TECHNICAL SERVICES**

11

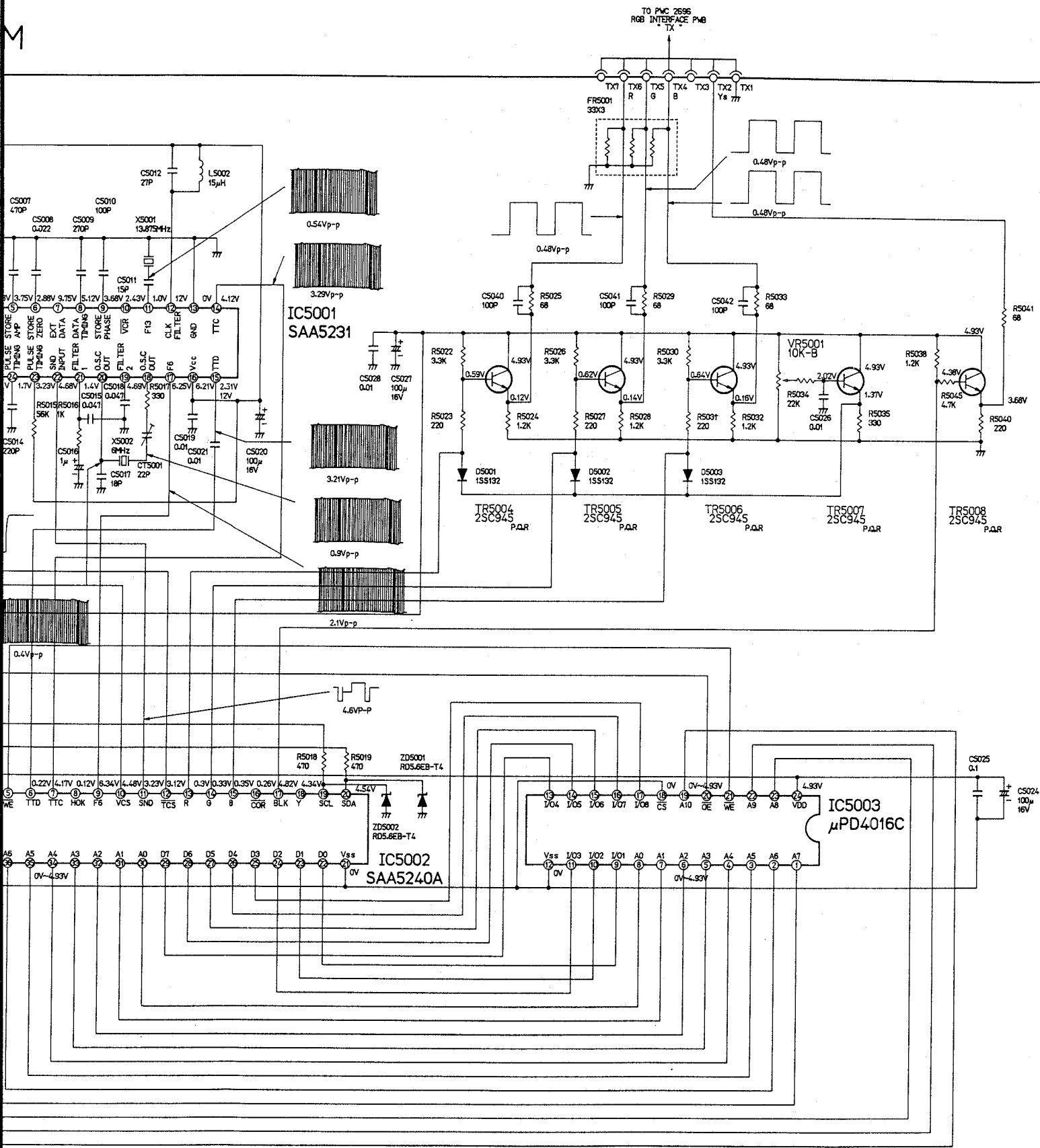




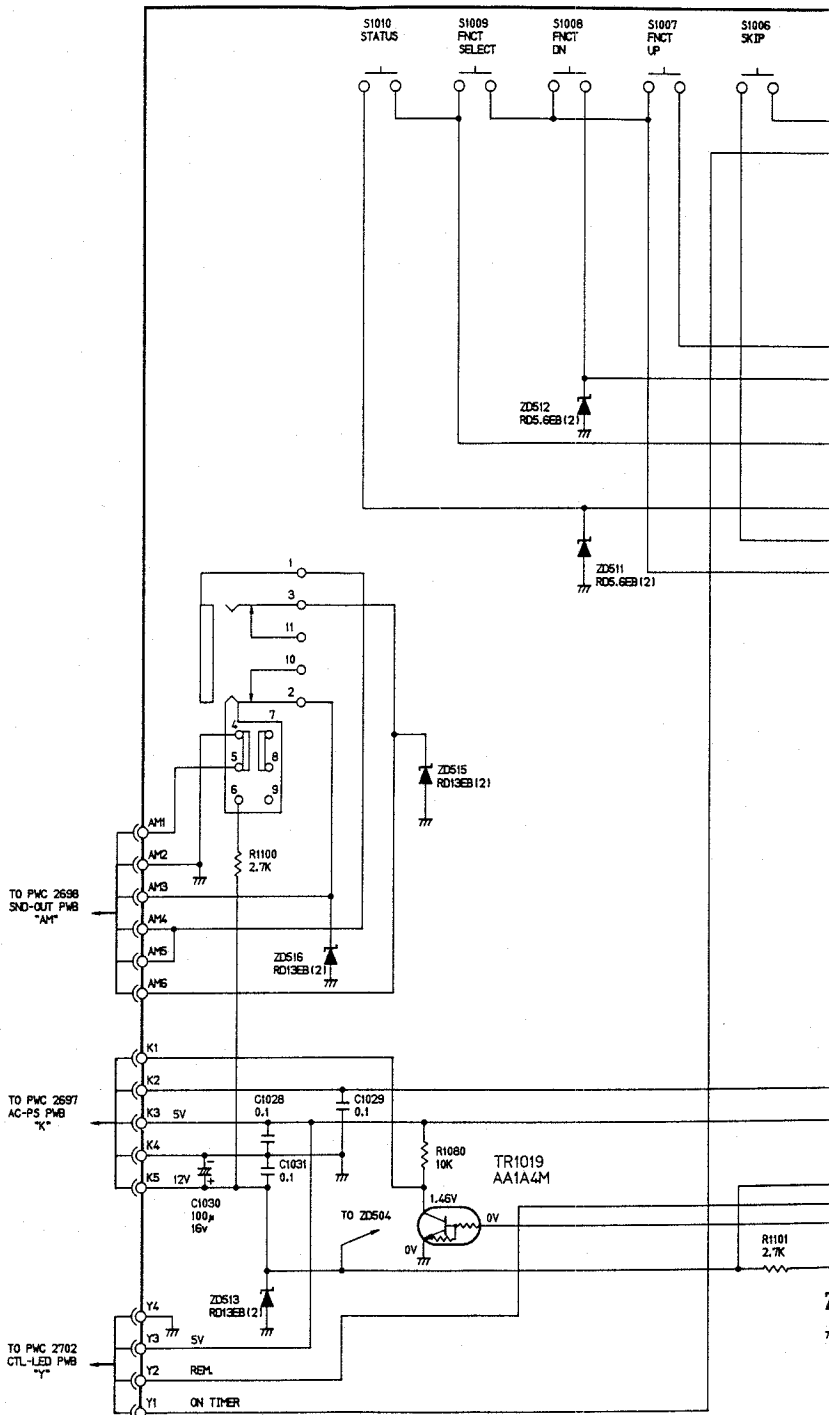
MODEL FS-5906PIX TEXT·PWB SCHEMATIC DIAGRAM



M



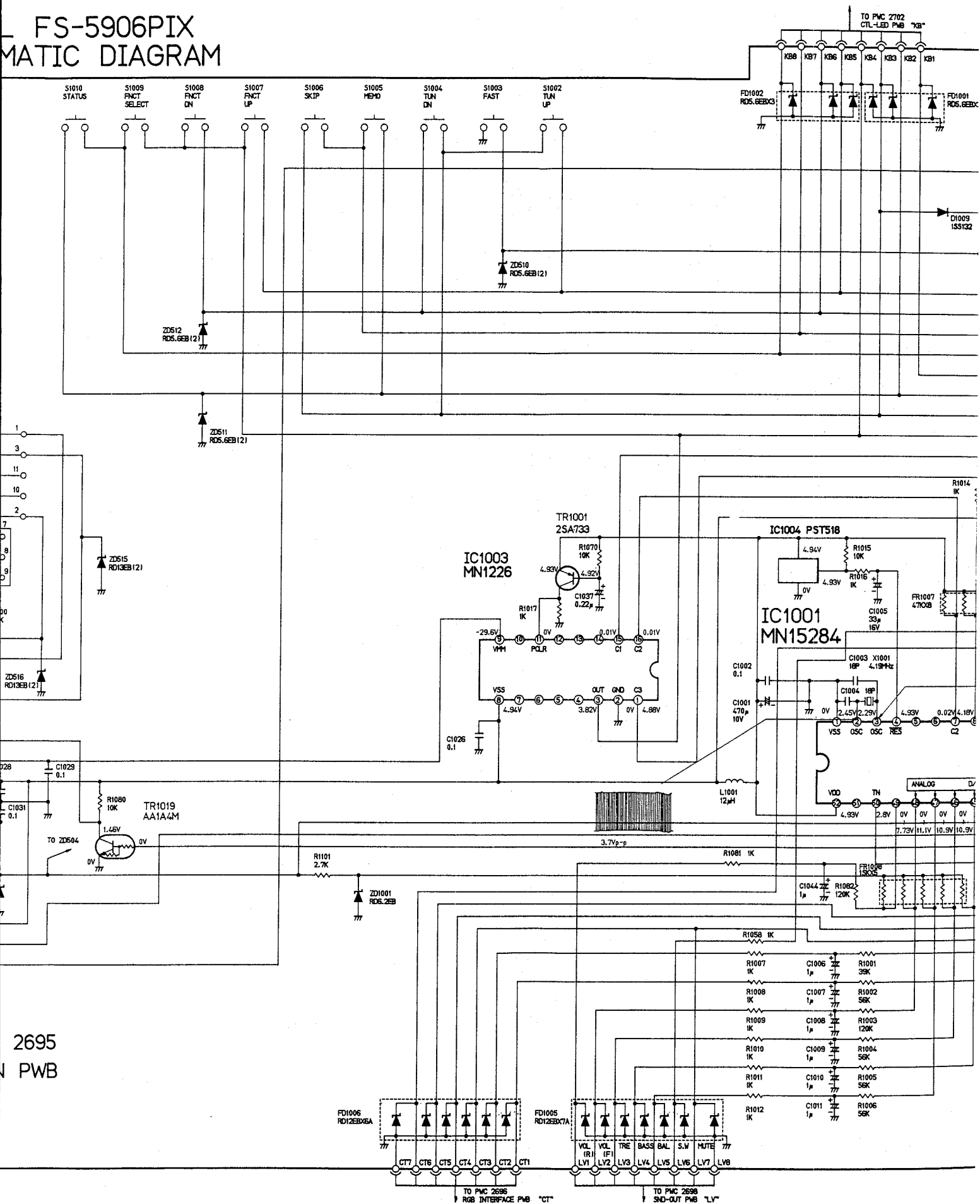
MODEL FS-5906PIX SCHEMATIC DIAGRAM



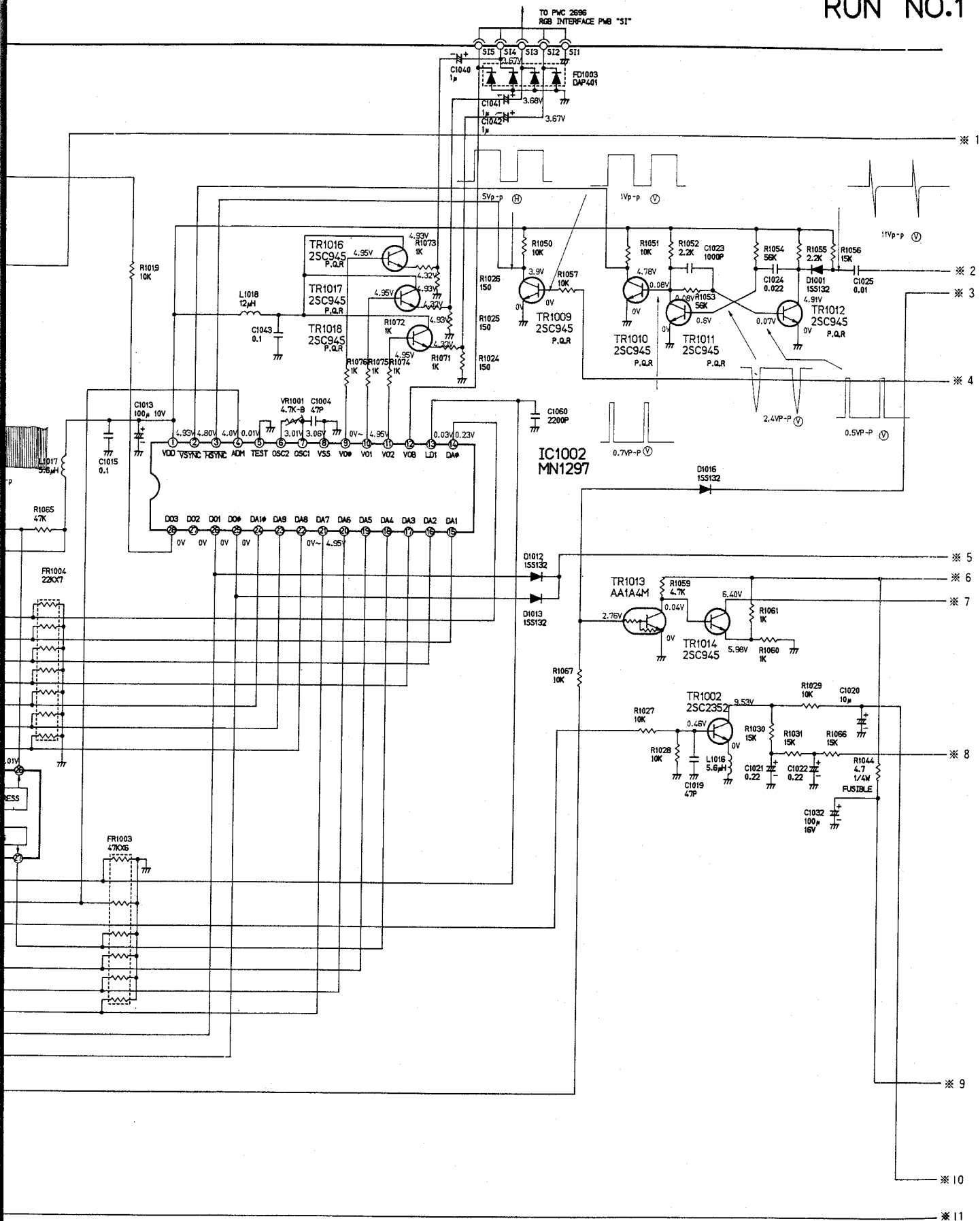
PWC 2695
MAIN PWB

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

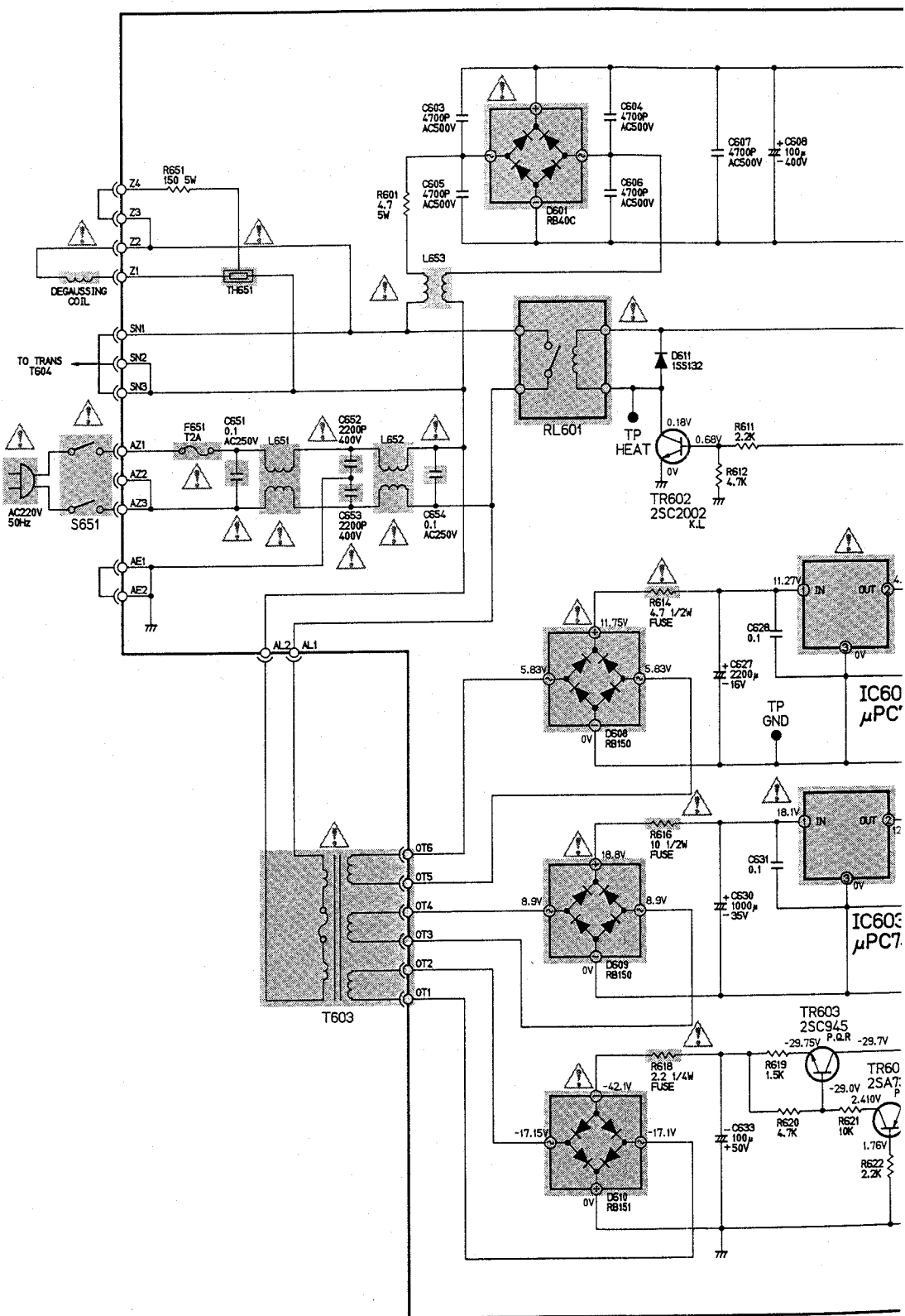
FS-5906PIX
MATIC DIAGRAM

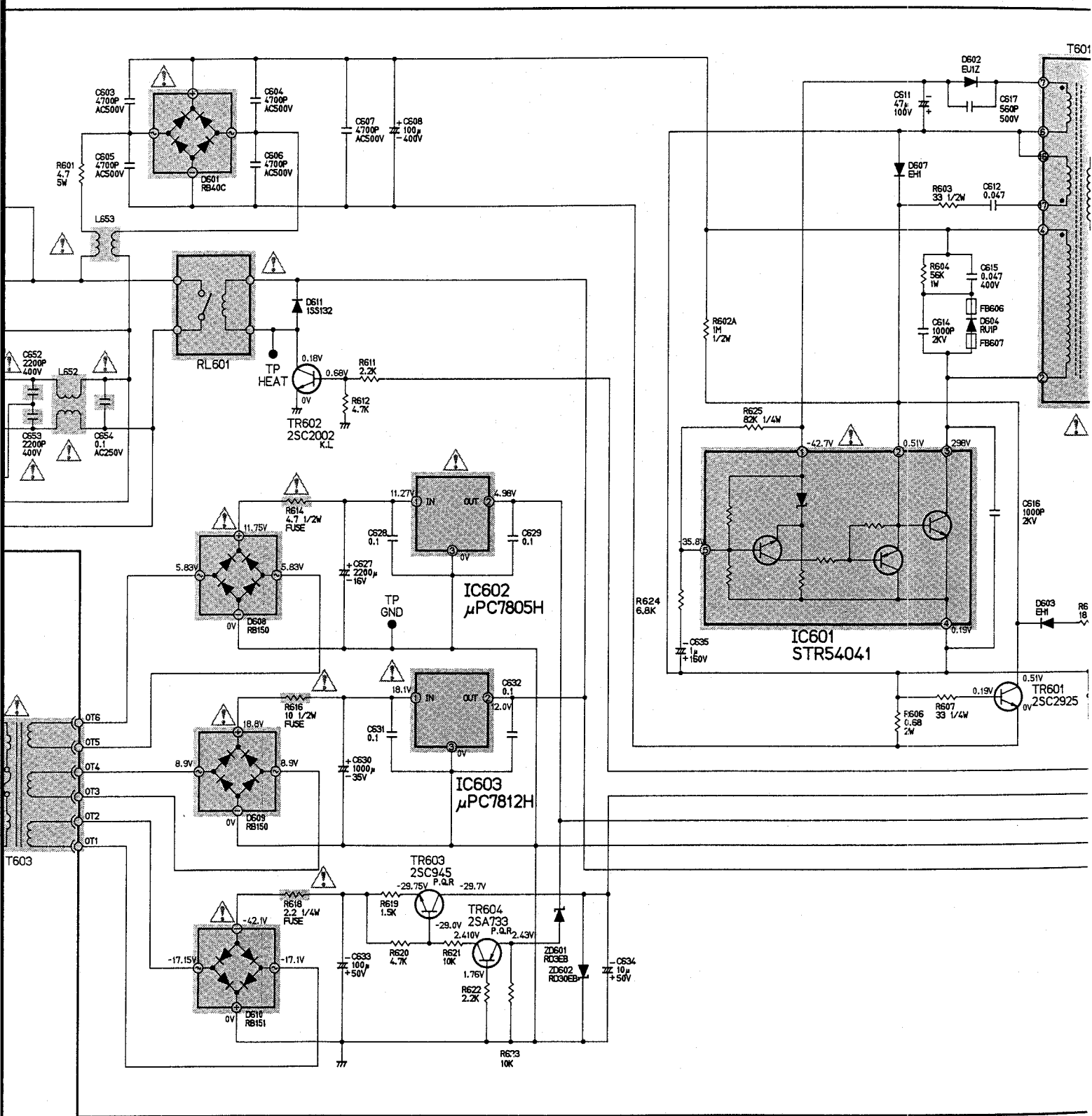


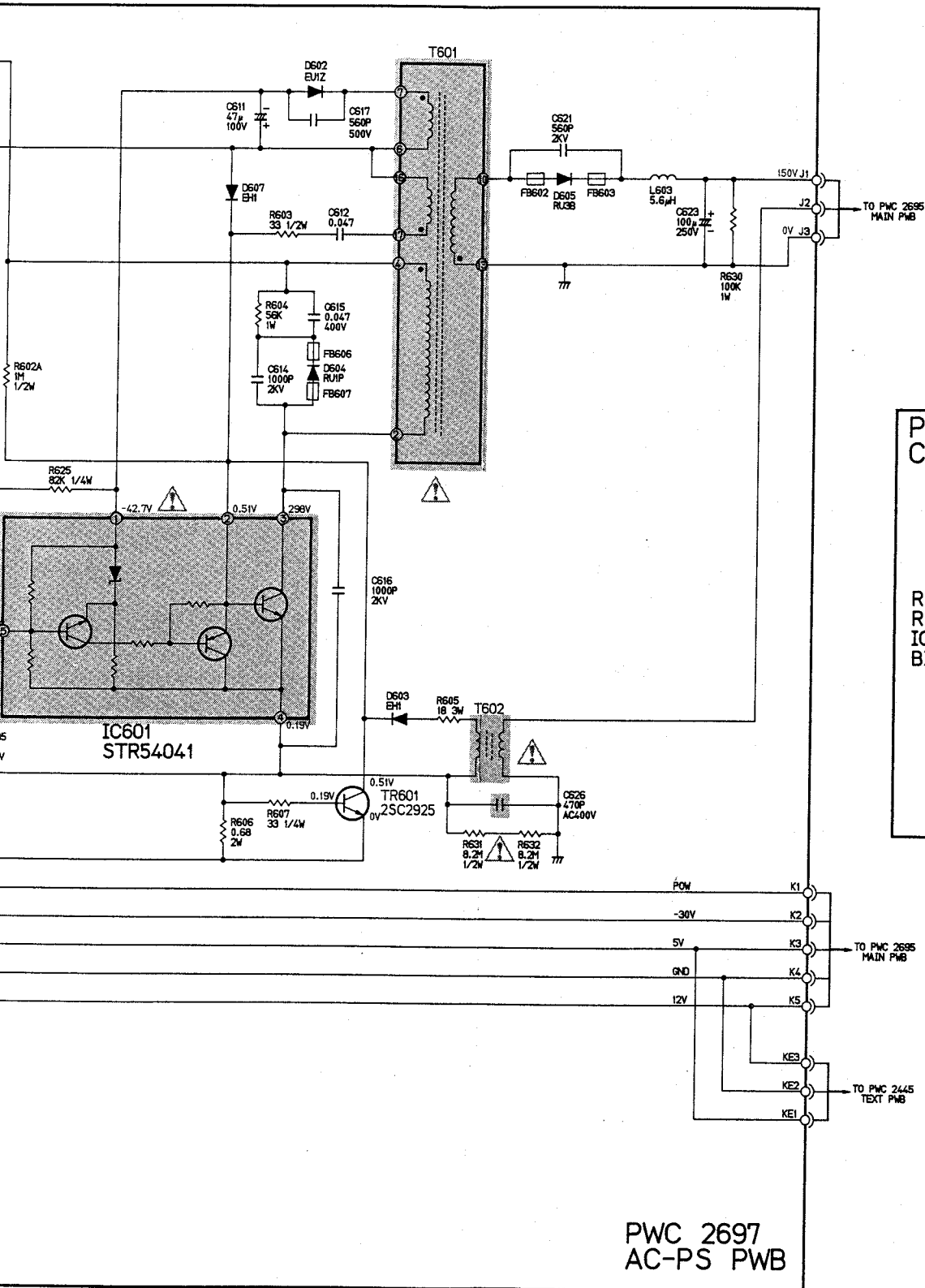




MODEL FS-5906PIX
AC-PS PWB,CTL-LED PWB
REMOTE CONTROL (RC-1032E)
SCHEMATIC DIAGRAM







PWC 2702 CTL-LED PWB

REMOTE CONTROL
RECEIVER
IC4001
BX1466

S4001
POWER

GND
(CASE)

+5V

REM

R4001
180

D4001
STAND BY

R4002
180

D4002
ON TIMER

TR4001
AA1A4M

TO PWC 2695
MAIN PWB

Y4 Y3 Y2 Y1

TO PWC 2695
MAIN PWB

KB1 KB2 KB3 KB4 KB5 KB6 KB7 KB8

S4003
TV/VIDEO

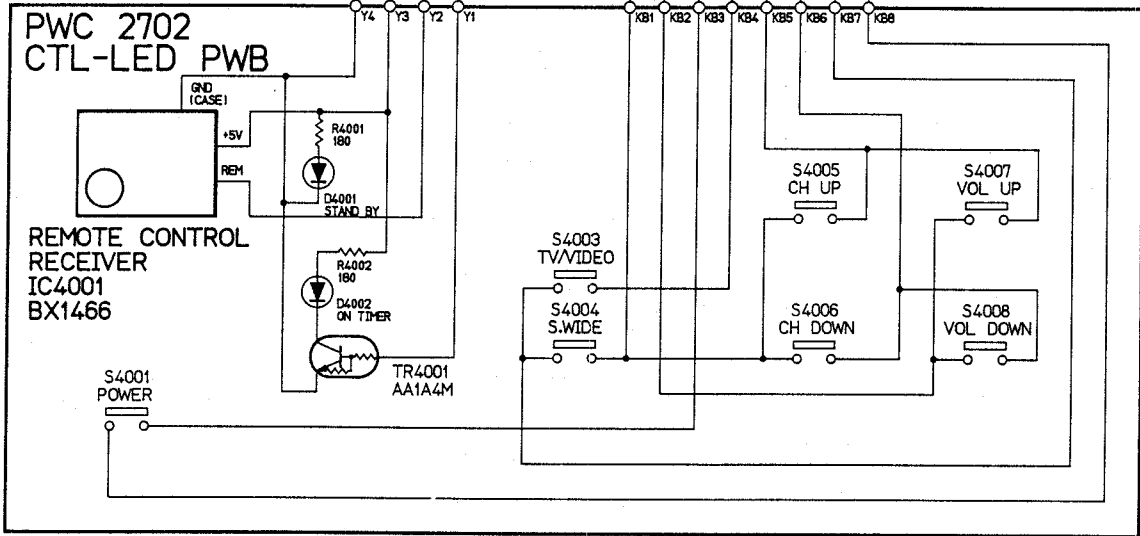
S4004
S.WIDE

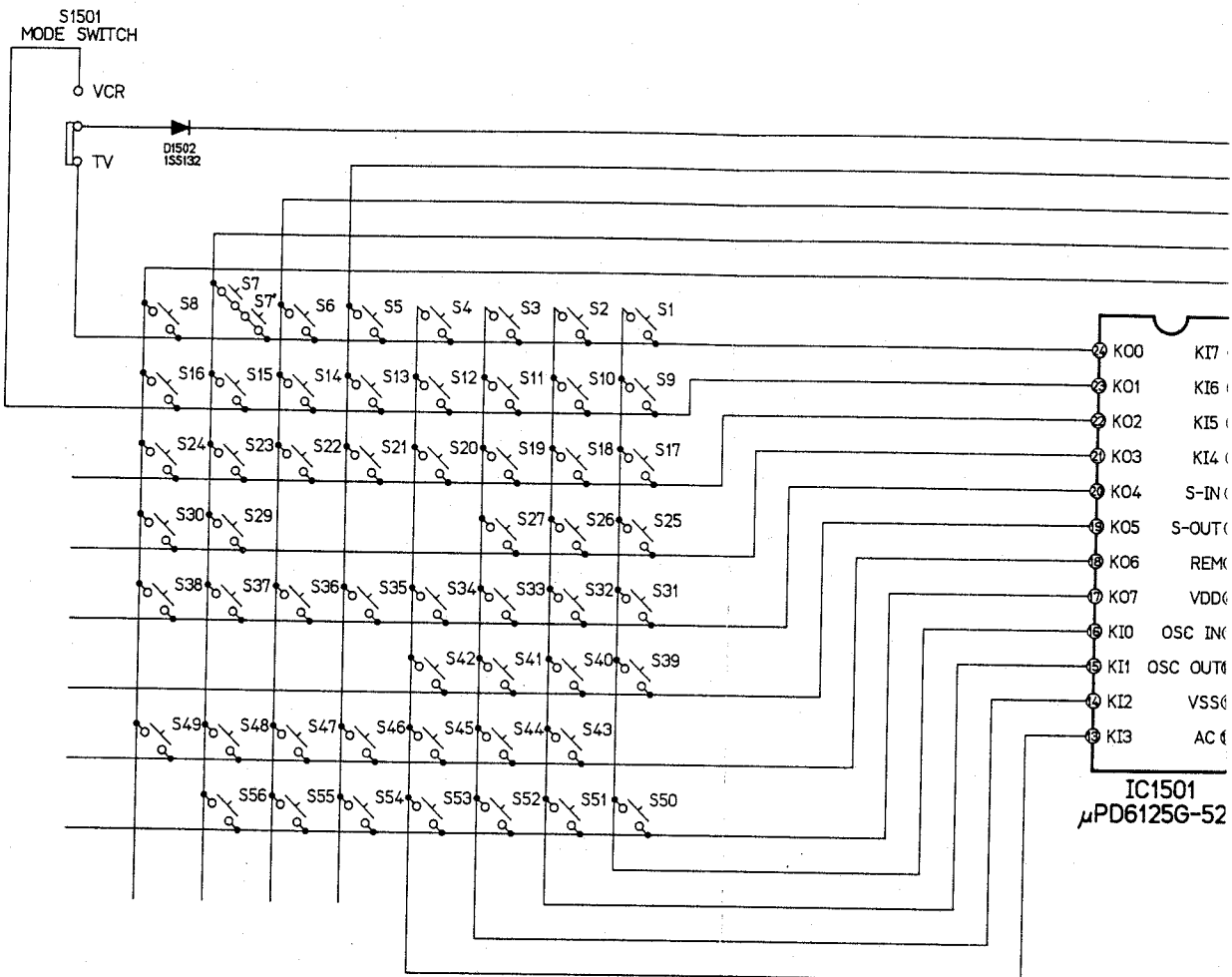
S4005
CH UP

S4006
CH DOWN

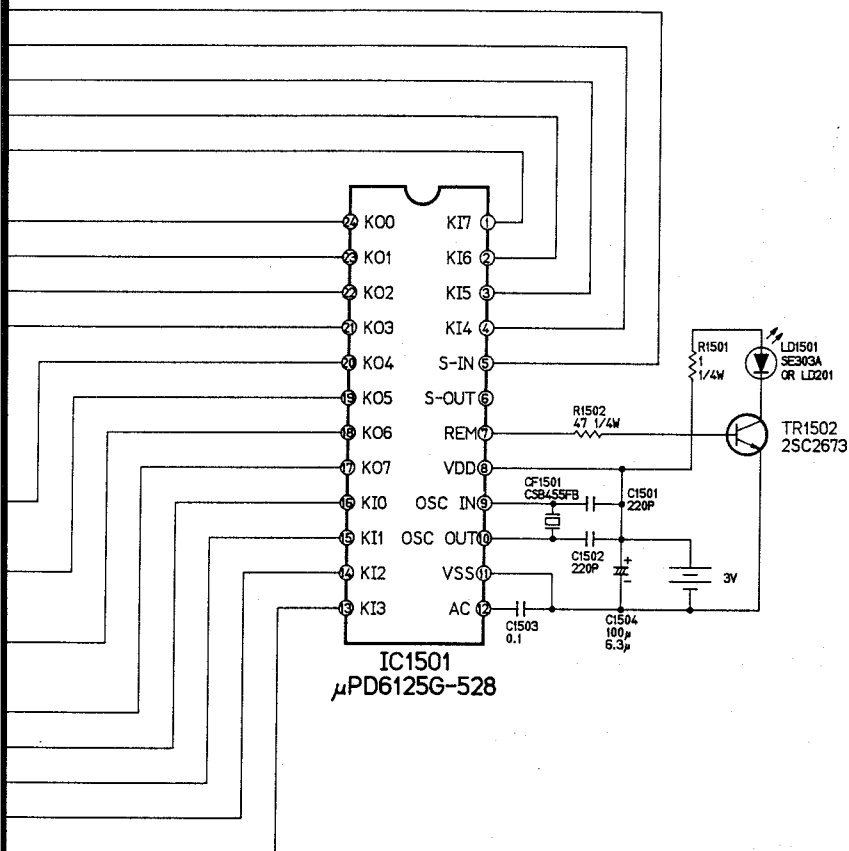
S4007
VOL UP

S4008
VOL DOWN





	TV	VCR		TV	VCR		TV		TV
S1	CH UP	CH UP	S16	STATUS		S31	BALANCE(R)	S46	T/B/F
S2	CH DOWN	CH DOWN	S17	1	1	S32	BALANCE(L)	S47	REVEAL
S3	VOL UP		S18	2	2	S33	BASS+	S48	HOLD
S4	VOL DOWN		S19	3	3	S34	BASS-	S49	RESET
S5		STOP	S20	4	4	S35	TREBLE+	S50	TIMED
S6		PLAY	S21	5	5	S36	TREBLE-	S51	DISPLAY CANCEL
S7 S7'		REC	S22	6	6	S37	CONT+	S52	INIT
S8	VOL(R)+		S23	7	7	S38	CONT-	S53	STORE
S9	POWER	POWER	S24	8	8	S39	COLOUR+	S54	ROTATE
S10	MUTE		S25	9	9	S40	COLOUR-	S55	LIST
S11	TV/VIDEO		S26	VOL(R)-		S41	BRIGHT+	S56	BROWSE
S12		F.F	S27	0	0	S42	BRIGHT-		
S13		REW	S29	OFF TIMER		S43	PICTURE		
S14		PAUSE	S30	ON TIMER		S44	TEXT		
S15	S.WIDE					S45	MIX		



	VCR		TV		TV
5		S31	BALANCE(R)	S46	T/B/F
	1	S32	BALANCE(L)	S47	REVEAL
	2	S33	BASS+	S48	HOLD
	3	S34	BASS-	S49	RESET
	4	S35	TREBLE+	S50	TIMED
	5	S36	TREBLE-	S51	DISPLAY CANCEL
	6	S37	CONT+	S52	INIT
	7	S38	CONT-	S53	STORE
	8	S39	COLOUR+	S54	ROTATE
	9	S40	COLOUR-	S55	LIST
		S41	BRIGHT+	S56	BROWSE
	0	S42	BRIGHT-		
ER		S43	PICTURE		
ER		S44	TEXT		
		S45	MIX		

※ 1

※ 2

※ 3

※ 4

※ 5

※ 6

※ 7

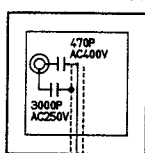
※ 8

※ 9

※ 10

※ 11

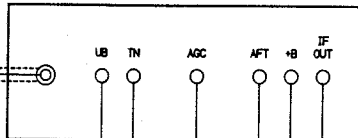
ANTENNA TERMINAL

TR201
AA1A4M

6.84V

0V

TUNER



C108

0.01

C107

0.01

C105

0.01

C103

0.01

C101

100

16V

C102

0.01

R101

4.7

1/4W

FUSIBLE

C110

0.22

35V

TANTAL

C109

0.01

C106

0.01

C104

0.01

C102

0.01

R101

4.7

1/4W

FUSIBLE

TP201
RFAGC

TR504

AA1A4M

0.01V

7.43V

0V

C532

0.01

R439

10K

R440

3.3K

VR4

10K-B

V-HOLD

R401

8.2K

C402

0.22

C401

0.047

R402

10K

C403

0.033

C404

0.033

C405

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C406

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C407

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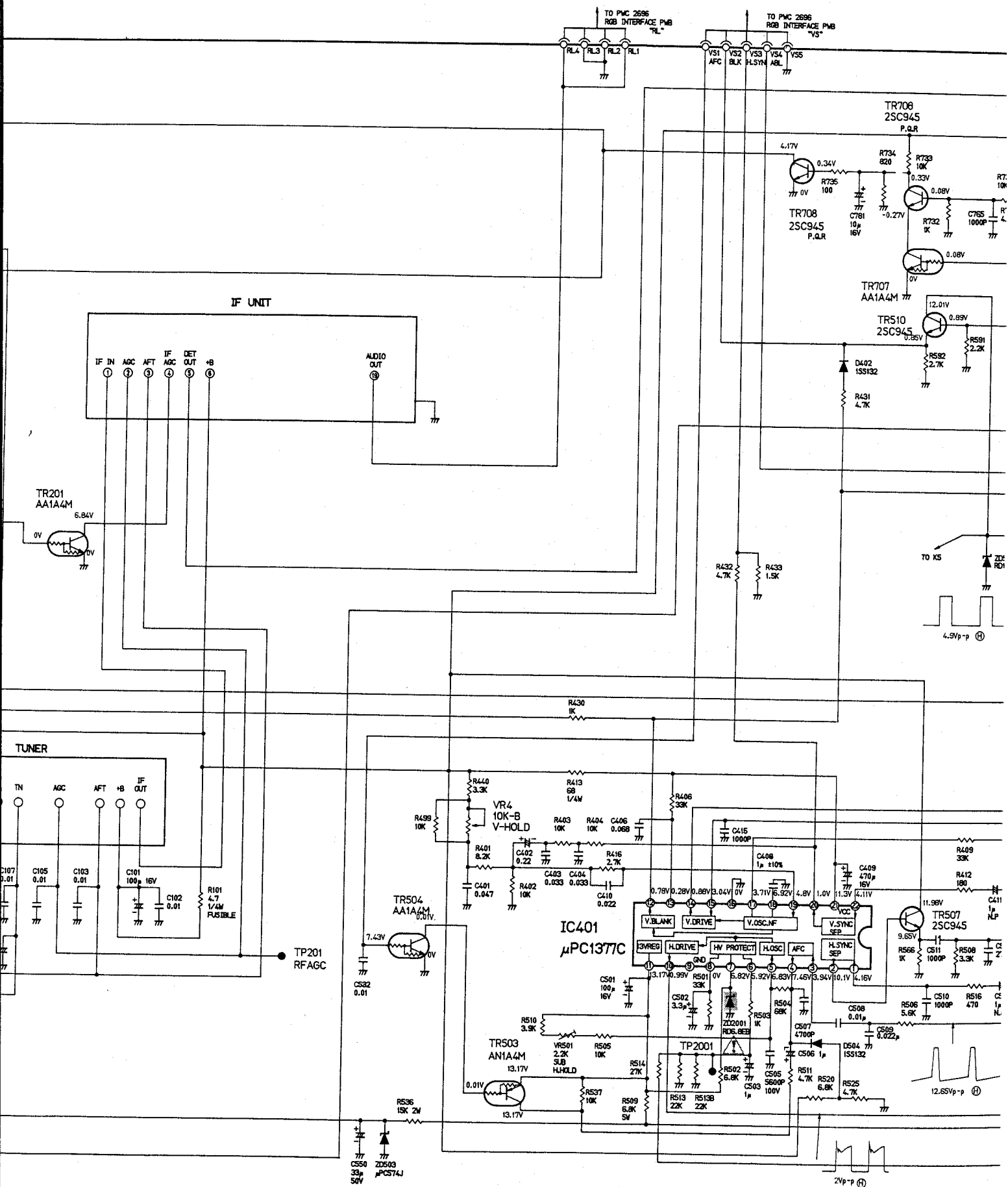
C537

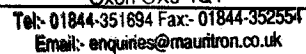
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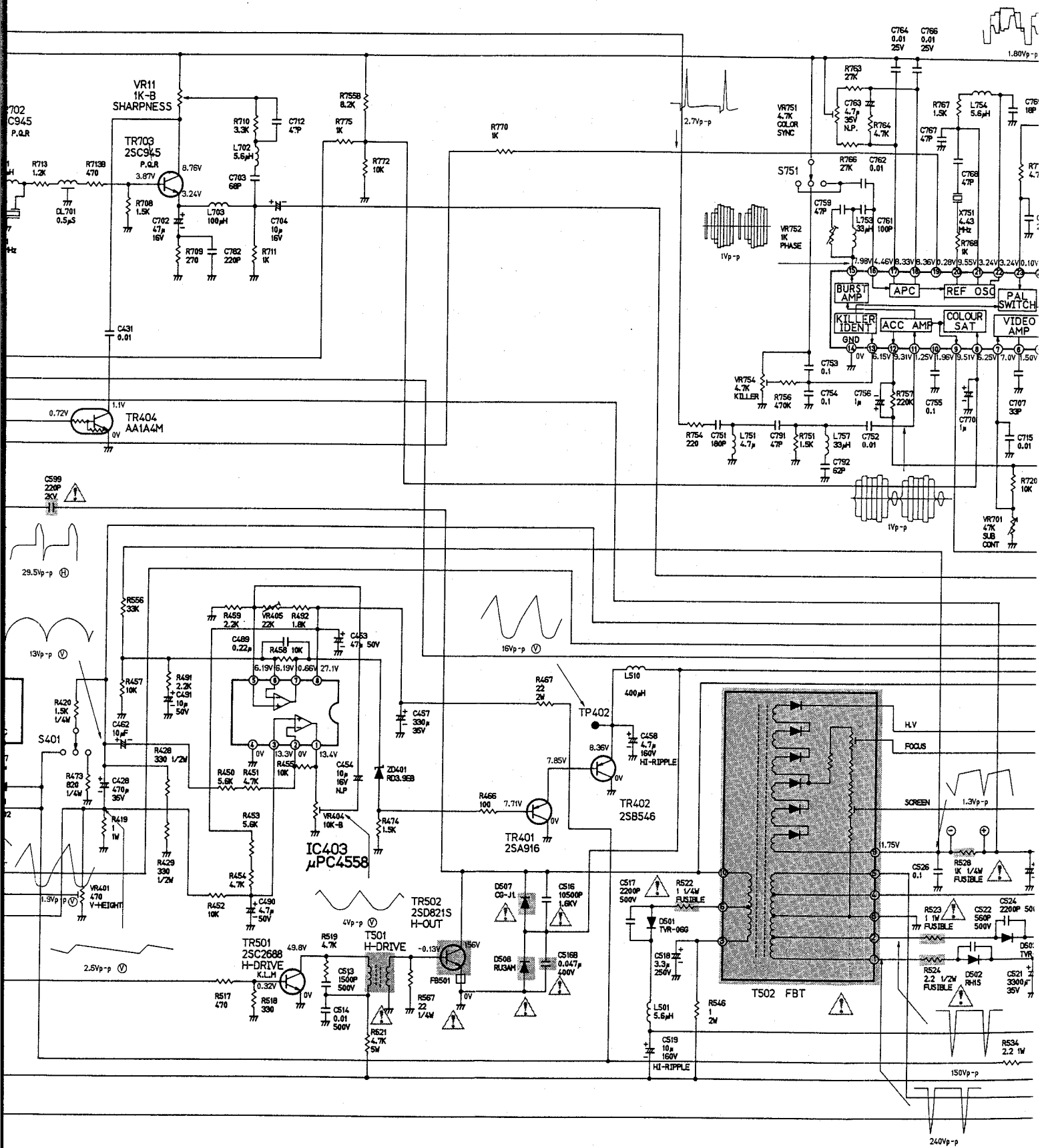
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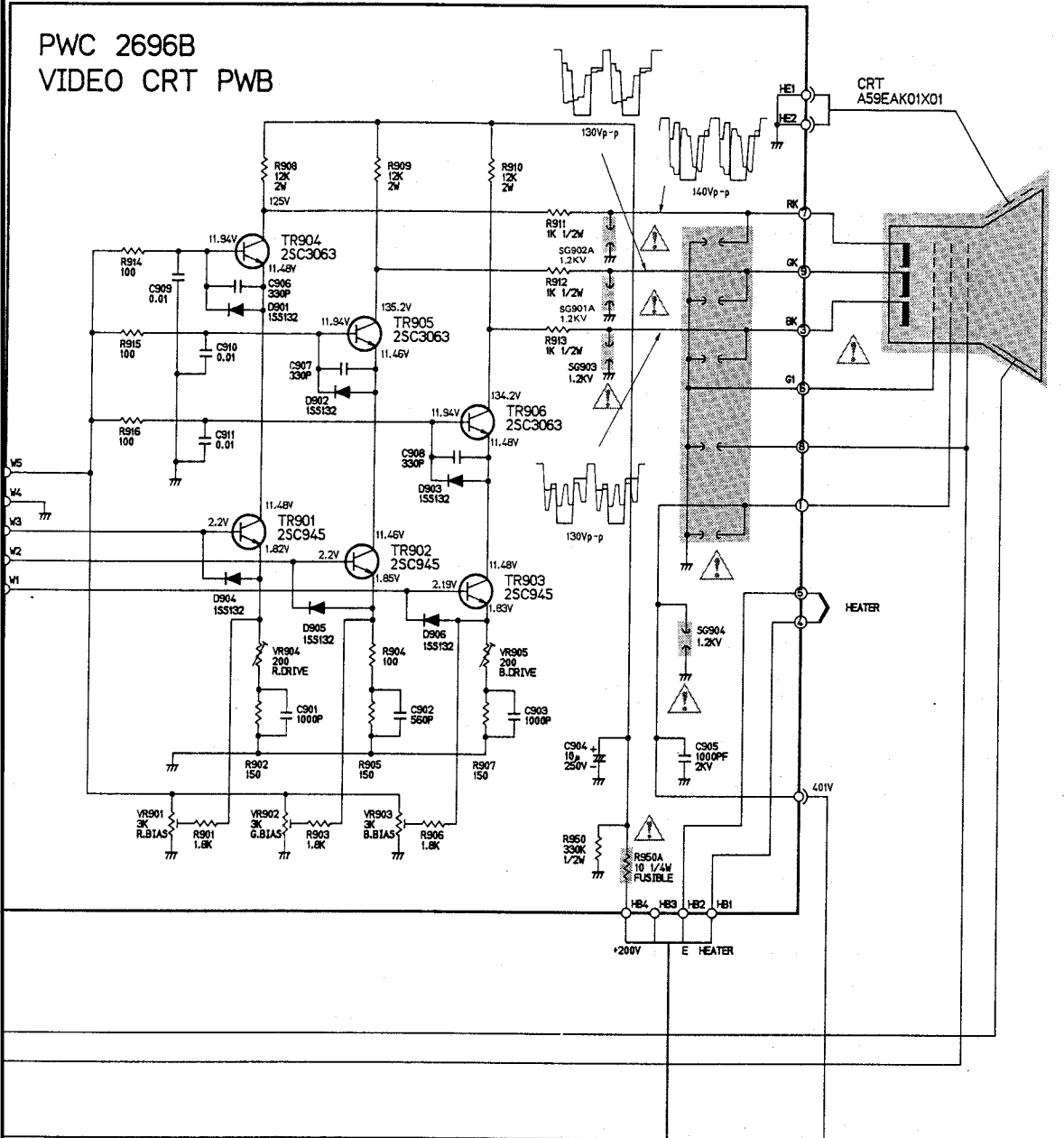
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PWC 2696B VIDEO CRT PWB



NOTES

1. RESISTOR VALUES ARE IN Ω (OHM) K = 1,000 Ω M = 1,000,000 Ω
2. ALL RESISTORS ARE 1/8WATT UNLESS OTHERWISE INDICATED
3. CAPACITOR VALUES ARE IN μ F UNLESS OTHERWISE INDICATED
4. ALL CAPACITORS ARE 50VOLTS UNLESS OTHERWISE INDICATED
5. D.C. VOLTAGES AND WAVEFORMS ARE TAKEN UNDER THE CONDITIONS WITH A STANDARD COLOR BAR SIGNAL INPUT

CONTRAST AND BRIGHTNESS CONTROLS ARE SET TO OPTIMUM AND THE OTHER CONTROLS ARE AT PRESET POSITION.

6. \oplus ----- HORIZONTAL RATE. \ominus ----- VERTICAL RATE.

WARNING

REPLACEMENT PARTS WHICH HAVE SPECIAL SAFETY CHARACTERISTICS ARE IDENTIFIED BY \triangle SHADING ON THESE CRITICAL COMPONENTS WITH RECOMMENDED REPLACEMENT PARTS. DON'T DEGRADE THE SAFETY OF THE SET THROUGH