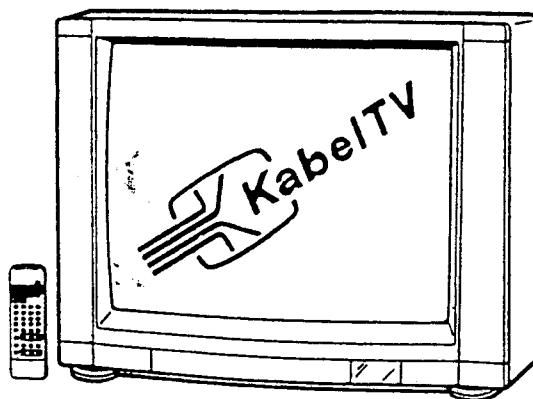


COLOR TELEVISION RECEIVER

PAL/SECAM

ORION COLOR 711 VT



Bei technischen Änderungen können Ergänzungsblätter angefordert werden.

Specifications are subject to change without notice.

Chassis Code:

A

Bestell-Nr.:

4691

SPECIFICATIONS

PICTURE SIZE	28 inch
SYSTEM	PAL/SECAM
FREQUENCY RANGE: VHF(L)	2 - 4, 13 - 15, X - S1 ch
VHF(H)	5 - 12, 16 - 20, S2 - S20 ch
UHF	21 - 69 ch
MAXIMUM SENSITIVITY: VHF	20 dB
UHF	25 dB
INTERMEDIATE FREQUENCY:	
Picture IF Carrier Frequency	38.9 MHz
Color Sub Carrier Frequency	34.47 MHz
Sound IF Carrier Frequency	32.4 MHz
SOUND INTERMEDIATE FREQUENCY	6.5 MHz
MAXIMUM OUTPUT POWER	5.0 W
SPEAKER	4 ohm x 2
POWER SOURCE	AC 220V

IMPORTANT

- *USE AN ISOLATION TRANSFORMER WHEN PERFORMING ANY SERVICE ON THIS CHASSIS.
- *WHEN REMOVING A PCB OR RELATED COMPONENT, AFTER UNFASTENING OR CHANGING WIRE, BE SURE TO PUT WIRE BACK IN ITS ORIGINAL POSITION.
- *INFERIOR SILICON GREASE CAN DAMAGE IC'S AND TRANSISTORS. WHEN REPLACING AN IC'S OR TRANSISTORS, USE ONLY SPECIFIED SILICON GREASE (YG6260H). REMOVE ALL OLD SILICON BEFORE APPLYING NEW SILICON.

CONTENTS

	Page
SPECIFICATIONS	1
ELECTRICAL ADJUSTMENTS	
1. BEFORE MAKING ELECTRICAL ADJUSTMENTS	2
2. BASIC ADJUSTMENTS	
2-1: VIF AND TRAP	2
2-2: BELL FILTER	2
2-3: SECAM IDENT	3
2-4: SECAM PLL	3
2-5: SECAM PHASE	3
2-6: SECAM LEVEL	3
2-7: RF AGC	3
2-8: CUT OFF	3
2-9: FOCUS	3
2-10: VERTICAL SIZE AND HORIZONTAL SIZE	3
2-11: HORIZONTAL POSITION	3
2-12: HUE DELAY	3
2-13: SIDE PCC	4
2-14: SUB BRIGHT	4
2-15: SUB COLOR	4
2-16: I TEXT FREQUENCY	4
2-17: SOUND IF DETECTION	4
2-18: PILOT DETECTION	4
2-19: PILOT TONE	4
2-20: PLL CENTER FREQUENCY	4
2-21: STEREO SEPARATION	4
2-22: VERTICAL POSITION	4
MAJOR COMPONENTS LOCATION GUIDE	5~6
BLOCK DIAGRAM	7
PRINTED CIRCUIT BOARDS	
MAIN	8
POWER/I TEXT/SECAM	9
S-VHS/CRT/PIN CUSHION/21PIN	10
MICOM/CONTROL/STEREO/SAP	11
SCHEMATIC DIAGRAMS	
MICOM	12
IF	13
STEREO/SAP	14
A/V/IN. OUT	15
A/V SWITCH	16
CHROMA	17
DEFLECTION	18
DEFLECTION/POWER	19
AUDIO	20
I TEXT	21
SECAM	22
MECHANICAL EXPLODED VIEW	23, 24
MECHANICAL EXPLODED PARTS LIST	25
ELECTRICAL REPLACEMENT PARTS LIST	26~29

ELECTRICAL ADJUSTMENTS

1. BEFORE MAKING ELECTRICAL ADJUSTMENT

Read and perform these adjustments when repairing the circuits or replacing electrical parts or PCB assemblies.

1-1: Prepare the following measurement tools for electrical adjustments.

1. Oscilloscope (2 Channel Type)
2. Digital Voltmeter
3. Color Bar Generator
4. Sweepmarker Generator
5. VIF Unit
6. AC Voltmeter
7. Frequency Counter

2. BASIC ADJUSTMENTS

2-1: VIF AND TRAP

NOTE

Connect input and output terminal of the Sweepmarker Generator to circuit as shown in Fig. 2-1-a, then adjust it.

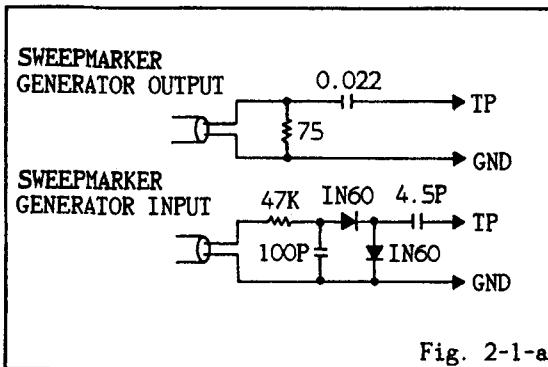
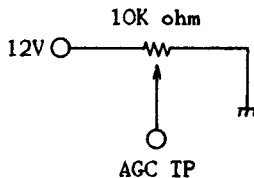


Fig. 2-1-a

1. Connect output terminal of the Sweepmarker Generator to IP202.
2. Connect input terminal of the Sweepmarker Generator to IP203.
3. Connect the 10K ohm variable resistor to IF AGC terminal (IP201), 12V line and ground, then adjust to make the waveform of the oscilloscope readable.



4. Adjust L201 until the waveform marker (38.9MHz) becomes as shown in Fig. 2-1-b.

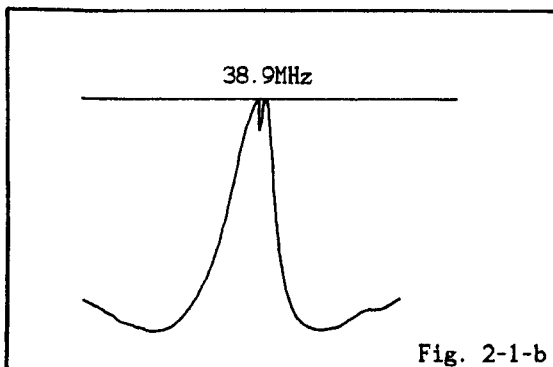


Fig. 2-1-b

5. Disconnect output terminal of the Sweepmarker Generator from IP202, then connect it to TP of the Tuner Pack. (Connect the 2.7K ohm resistor between them.)
6. Disconnect input terminal of the Sweepmarker Generator from IP203, then connect it to IP208.
7. Adjust L211 and L216 until the waveform markers (32.4MHz, 40.4MHz) becomes as show in Fig. 2-1-c.

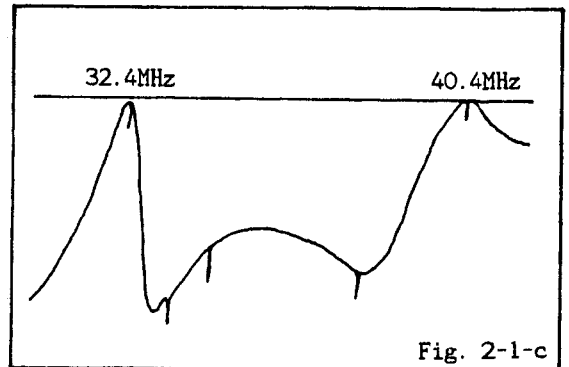


Fig. 2-1-c

8. Disconnect input terminal of the Sweepmarker Generator from IP208, then connect it to IP203.
9. Connect the 1K ohm resistor between IP204 and ground.
10. Confirm the waveform should be as shown in Fig. 2-1-d. (If the waveform is deviated from the standard, adjust the coil of tuner pack.)

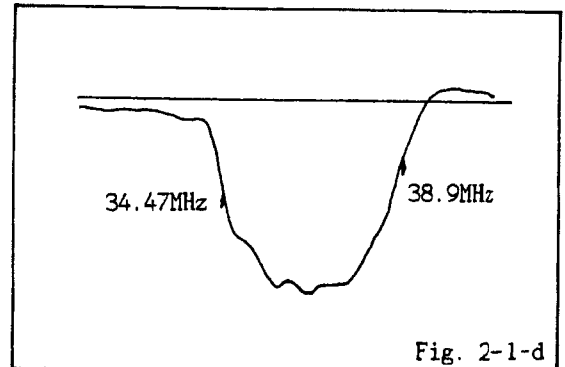


Fig. 2-1-d

11. Disconnect the 10K ohm variable resistor and 1K ohm resistor.

2-2: BELL FILTER

NOTE

Connect input and output terminal of the Sweepmarker Generator to circuit as shown in Fig. 2-2-a, then adjust it.

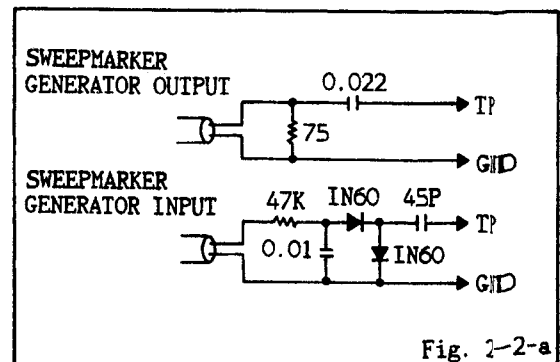
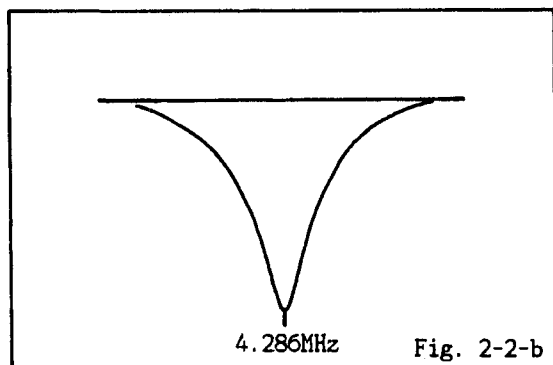


Fig. 2-2-a

ELECTRICAL ADJUSTMENTS

1. Connect output terminal of the Sweepmarker Generator to TP of the Tuner Pack.
2. Connect input terminal of the Sweepmarker Generator to TP966.
3. Adjust L956 until the waveform becomes as shown in Fig. 2-2-b.



2-3: SECAM IDENT

1. Receive the SECAM Color Bar Pattern.
2. Connect the pin 31 of IC951 to earth pattern.
3. Connect the pin 9 of IC951 to earth pattern.
4. Connect the digital voltmeter to TP963.
5. Measure the voltage in TP963.
6. Disconnect the SECAM Color Bar Pattern.
7. Disconnect the pin 9 of IC951 from earth pattern.
8. Input a 4.34MHz (100dB) signal to pin 9 of IC951.
9. Adjust L957 until the voltage in TP963 is as same as the voltage in step 5.
10. Disconnect the pin 31 of IC951 from earth pattern.

2-4: SECAM PLL

1. Receive the SECAM Color Bar Pattern.
2. Connect the oscilloscope to TP965.
3. Adjust VR953 until the voltage is DC3V.

2-5: SECAM PHASE

1. Receive the SECAM Color Bar Pattern.
2. Set the PAL/SECAM switch to SECAM position.
3. Connect CH-1 on the oscilloscope to pin 12 of IC951 and CH-2 to pin 14 of IC951.
4. Adjust VR951 and VR952 until white part of the pattern is not changed even though you turn Color control from minimum to maximum.

2-6: SECAM LEVEL

1. Receive the SECAM Color Bar Pattern.
2. Connect CH-1 on the oscilloscope to pin 20 of IC951 and CH-2 to pin 23 of IC951.
3. Adjust VR954 until the waveform size of CH-1 is as same as the waveform size of CH-2.

2-7: RF AGC

NOTE

Adjust after performing adjustments in section 2-1.

2-7-A: In case of weak electric field.

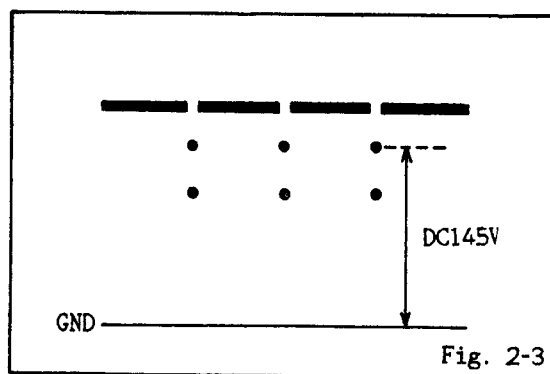
1. Receive the noisy channel.
2. Adjust VR201 until noise is at minimum.
3. Change the channel, confirm other channels are normal.

2-7-B: In case of strong electric field. (Diagonal streaks indicate radio frequency interference.)

1. Adjust VR201 until diagonal streaks are at minimum.
2. If there is still a problem after adjusting VR201, install an attenuator to the antenna terminals, then repeat step 1.
3. Confirm noise will appear.
4. Change the channel, confirm other channels are normal.

2-8: CUT OFF

1. Receive the Color Bar Pattern.
2. Adjust remote control until the bright and contrast controls are at minimum position.
3. Connect the oscilloscope to TP24.
4. Adjust the Screen control until voltage is DC145V. (Refer to Fig. 2-3)



2-9: FOCUS

1. Receive the broadcasting signal.
2. Adjust the Focus control until is distinct.

2-10: VERTICAL AND HORIZONTAL SIZE

1. Receive the Crosshatch Pattern from the Color Bar Generator.
2. Adjust the Bright and Contrast controls until the crosshatch pattern is distinct.
3. Adjust VR401 (V) and VR471 (H) until the center of crosshatch is square.
4. Receive broadcasting signal, then confirm picture is normal

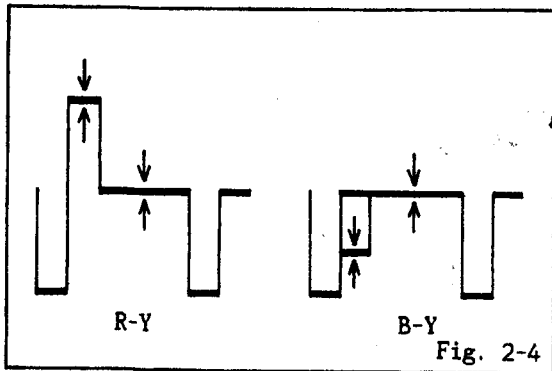
2-11: HORIZONTAL POSITION

1. Receive the Color Bar Pattern.
2. Adjust VR402 until the color width of both of screen edges are equal.
3. Receive broadcasting signal, then confirm picture is normal.

2-12: HUE DELAY

1. Receive the DEM Pattern.
2. Connect CH-1 on the oscilloscope to pin 8 of CP951 and CH-2 to pin 10 of CP951.
3. Adjust L958 and VR955 until the waveform is straight line. (Refer to Fig. 2-4)

ELECTRICAL ADJUSTMENTS



2-13: SIDE PCC

1. Receive the Crosshatch Pattern from the Color Bar Generator.
2. Adjust VR472 until the right and left 3rd vertical line is straight.

2-14: SUB BRIGHT

1. Receive the Monochrome Pattern.
2. Press the NORMAL button on the remote control unit.
3. Adjust VR612 until 0% of gray scale will begin to lighten.
4. Receive the T' TEXT Pattern.
5. Adjust VR901 until the RGB black level is as same as the RF black level.

2-15: SUB COLOR

2-15-A: For PAL

1. Receive the Color Bar Pattern.
2. Press the NORMAL button on the remote control unit.
3. Connect the oscilloscope to TP22.
4. Adjust VR602 until red color level is 75%.

2-15-B: For SECAM

1. Receive the SECAM Color Bar Pattern.
2. Press the NORMAL button on the remote control unit.
3. Connect the oscilloscope to TP22.
4. Adjust VR614 until red color level is 75%.

2-16: T' TEXT FREQUENCY

1. Receive the noise signal.
2. Connect the frequency counter to TPO03.
3. Adjust TC851 until the counter is 6.0000MHz.

2-17: SOUND IF DETECTION

2-17-A: For 5.5MHz

1. Receive the Mult-channel TV broadcasting signal.
2. Connect the oscilloscope to TPO33.
3. Adjust L034 until the waveform is maximum.
4. Connect the distortion meter to pin 1 of J705.
5. Adjust L034 until the distortion rate is minimum.

2-17-B: For 5.74MHz

1. Receive the Mult-channel TV broadcasting signal.
2. Connect the oscilloscope to TPO34.
3. Adjust L032 until the waveform is maximum.
4. Connect the distortion meter to pin 3 of J705.
5. Adjust L032 until the distortion rate is minimum.

2-18: PILOT DETECTION

1. Receive the Mult-channel TV broadcasting signal.
2. Connect the oscilloscope to TPO37.
3. Adjust L033 and L035 until the waveform is maximum.

2-19: PILOT TONE

1. Receive the stereo broadcasting signal.
2. Connect the oscilloscope to TPO31.
3. Adjust VR033 until the waveform is maximum. (From 100mVp-p to 280mVp-p.)
4. Adjust VR034 until the waveform is maximum. (From 100mVp-p to 280mVp-p.)

2-20: PLL CENTER FREQUENCY

1. Receive the Monochrome Pattern.
2. Input a sine wave of 196Hz (100mVp-p) to TPO31. (Connect 50V1 μ F capacitor between them.)
3. Connect the digital voltmeter to pin 10 of IC031.
4. Adjust VR031 until the voltage is DC6.5V.

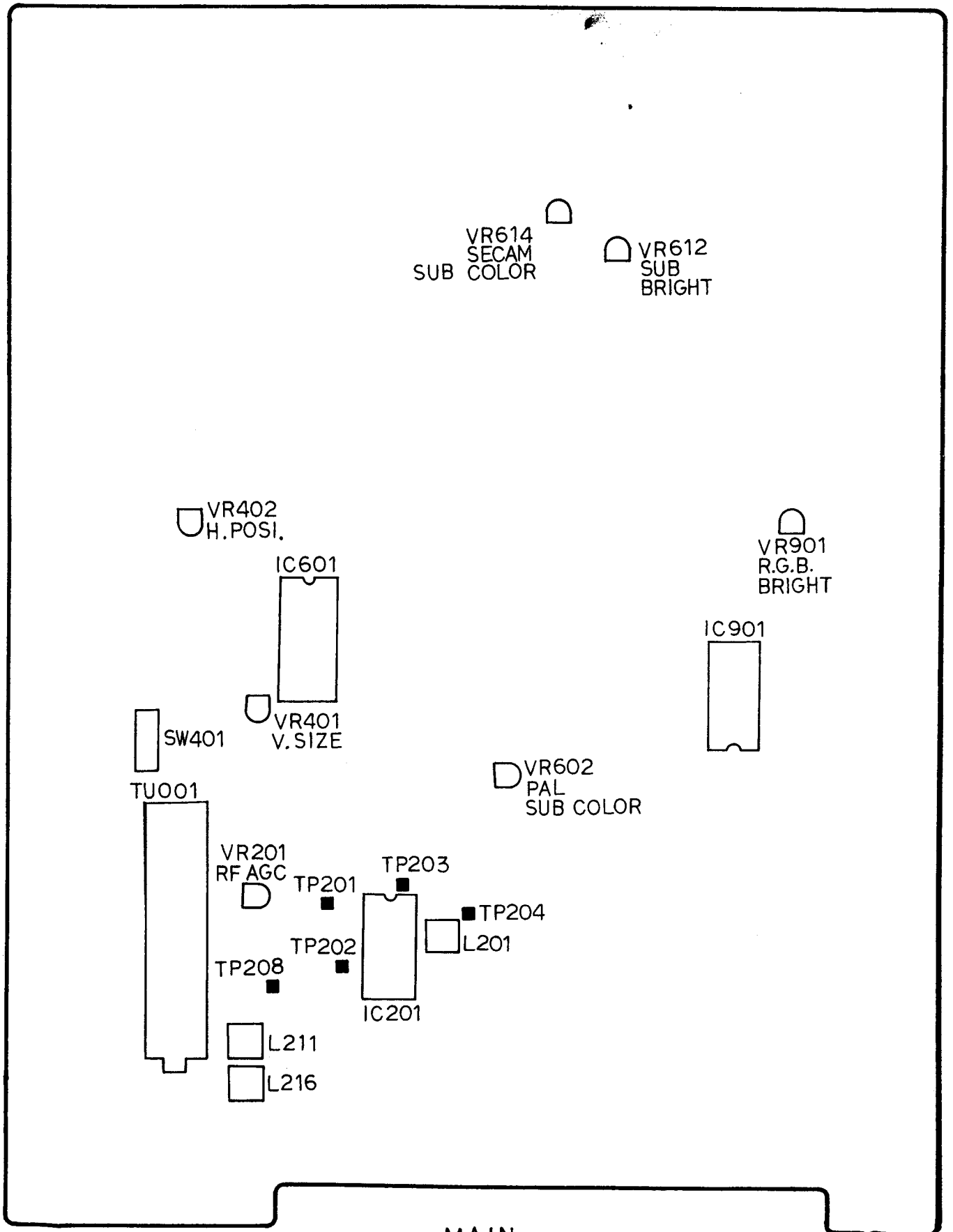
2-21: STEREO SEPARATION

1. Receive the stereo broadcasting signal.
2. Connect the AC voltmeter to L-ch of the audio out.
3. Adjust VR032 until output of L-ch is minimum.

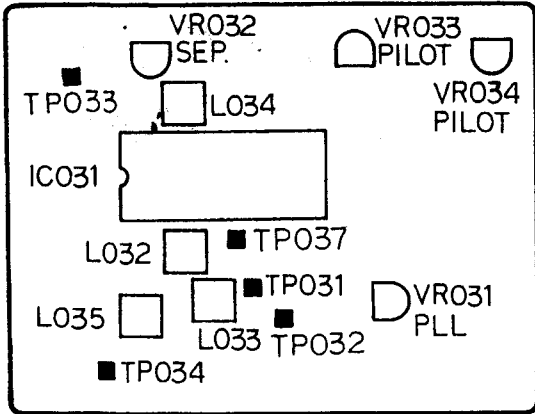
2-22: VERTICAL POSITION

1. Receive the color bar pattern.
2. Adjust SW401 until horizontal line of the color bar comes to approximate center of the CRT.

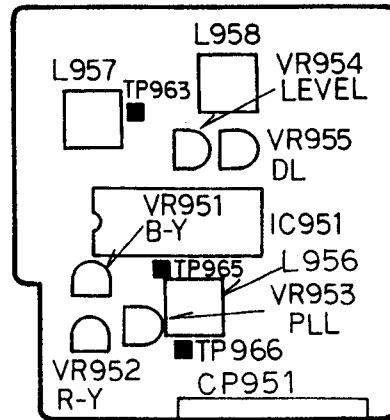
MAJOR COMPONENTS LOCATION GUIDE



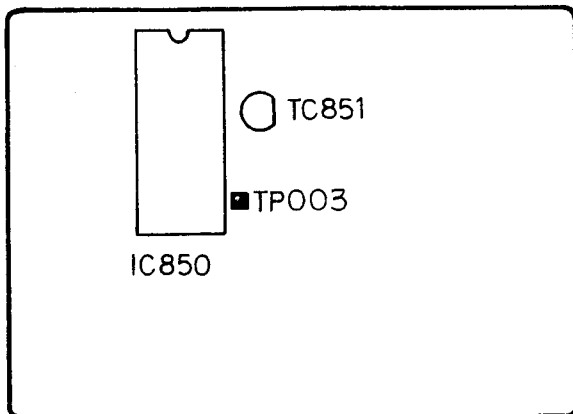
MAJOR COMPONENTS LOCATION GUIDE



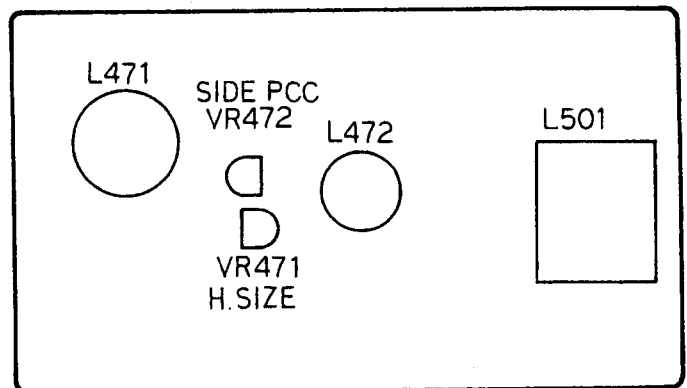
ST/SAP



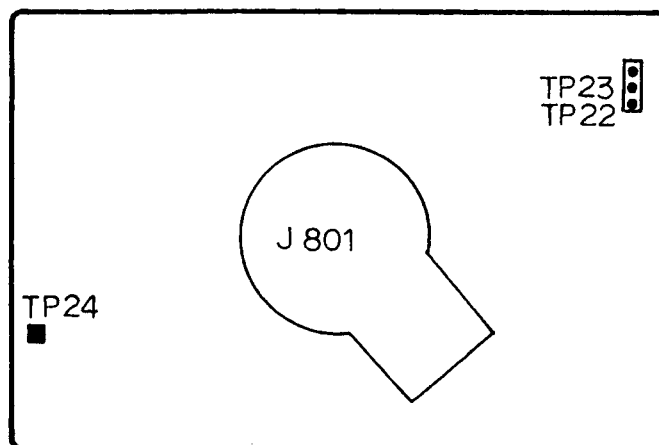
SECAM



T' TEXT

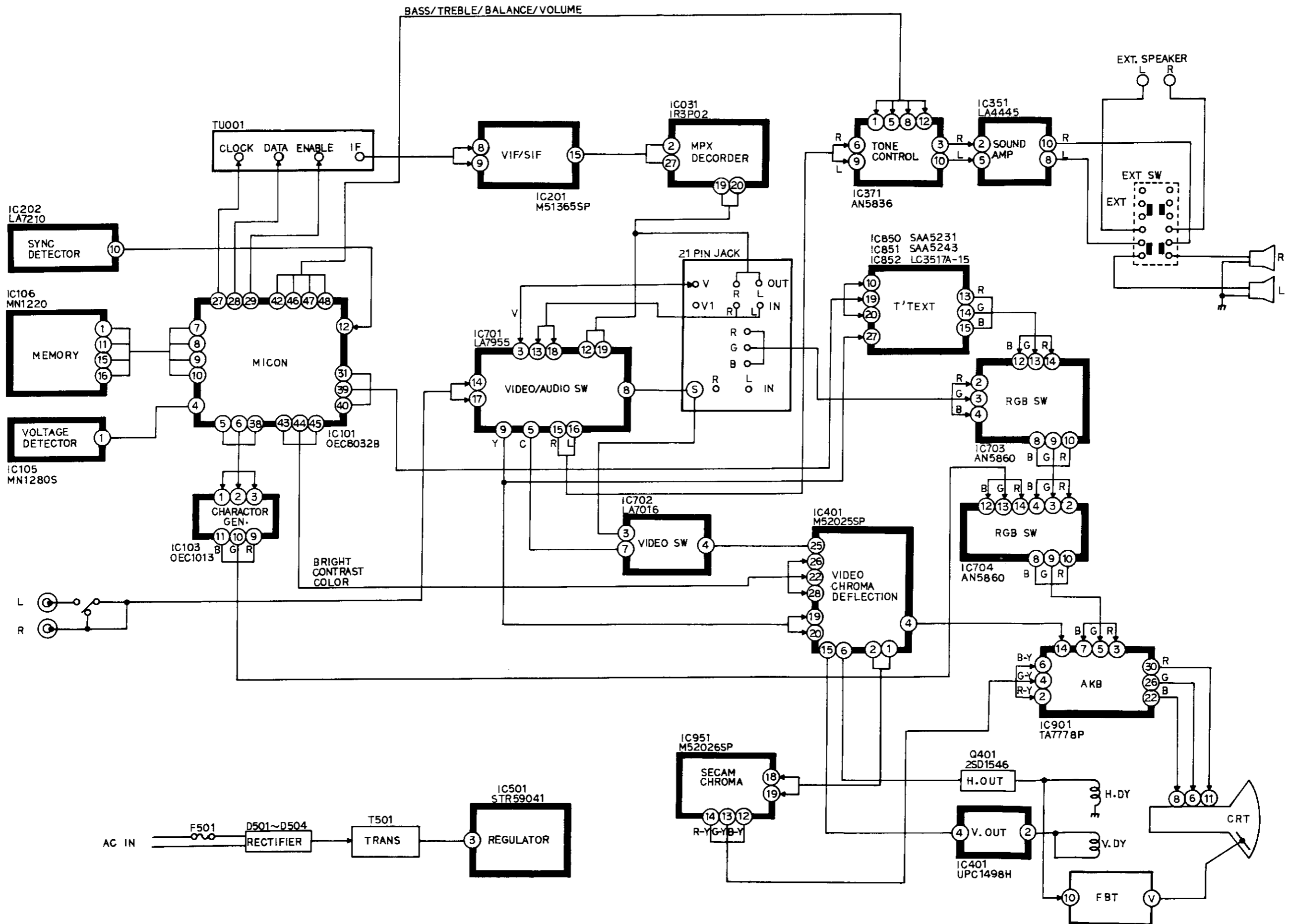


PIN CUSHION



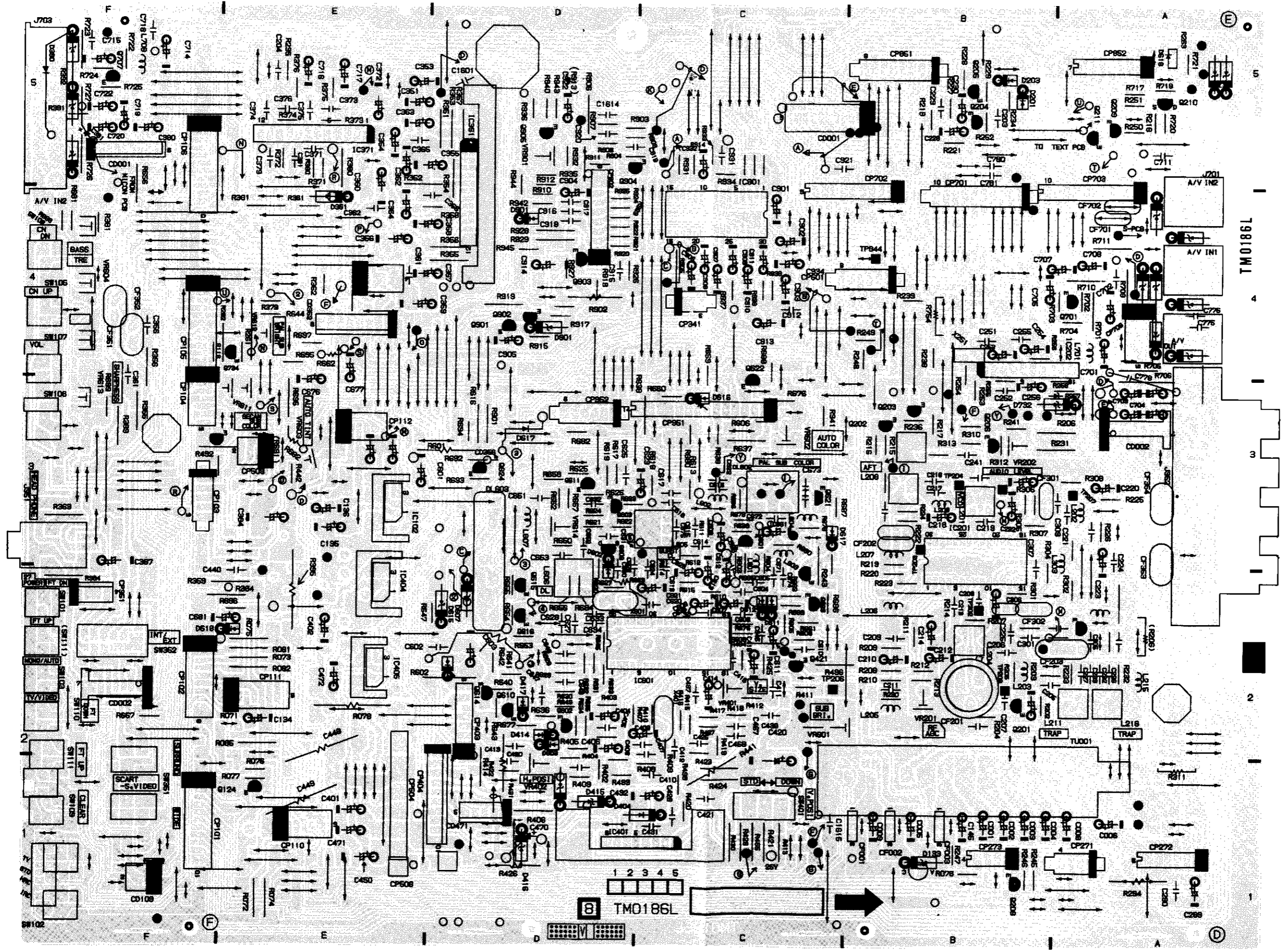
CRT

BLOCK DIAGRAM



BLOCK DIAGRAM

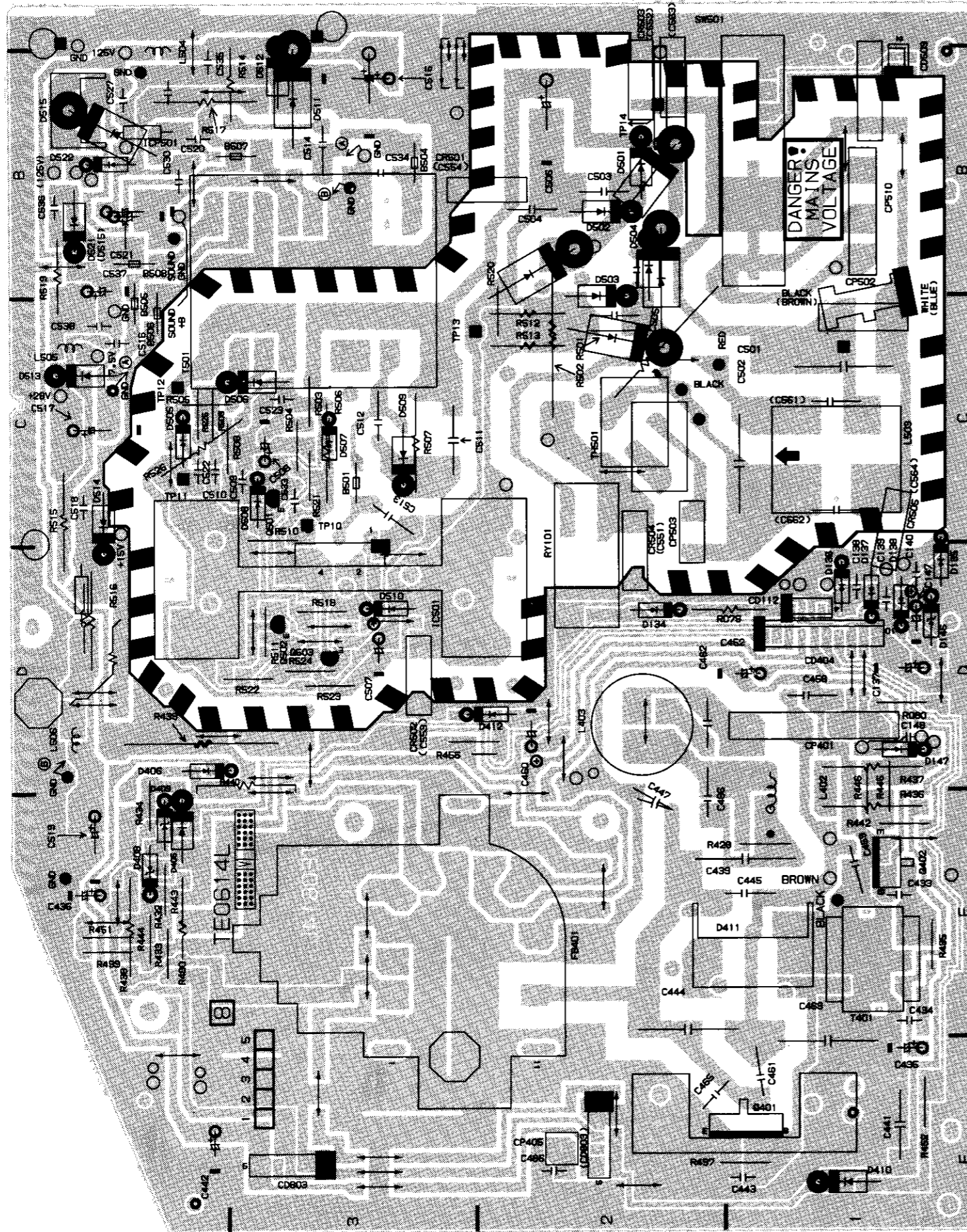
PRINTED CIRCUIT BOARD MAIN



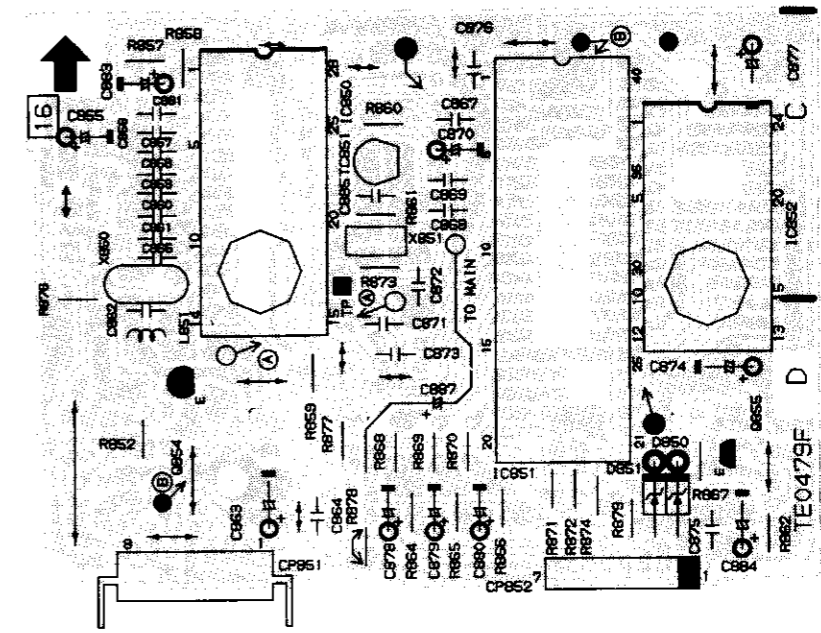
PRINTED CIRCUIT BOARD

PRINTED CIRCUIT BOARDS

POWER

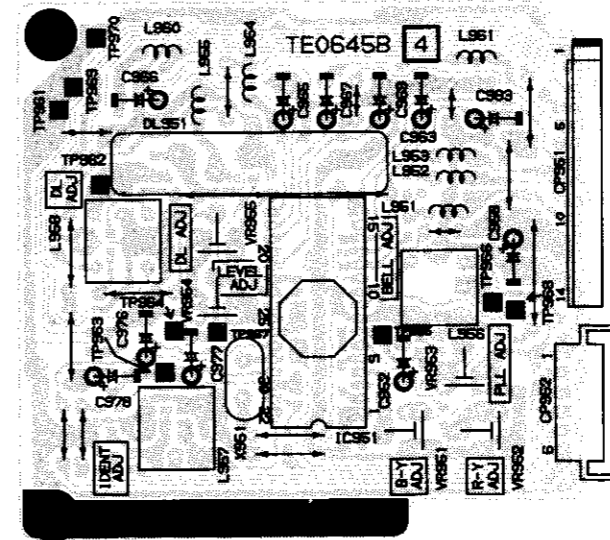


T' TEXT

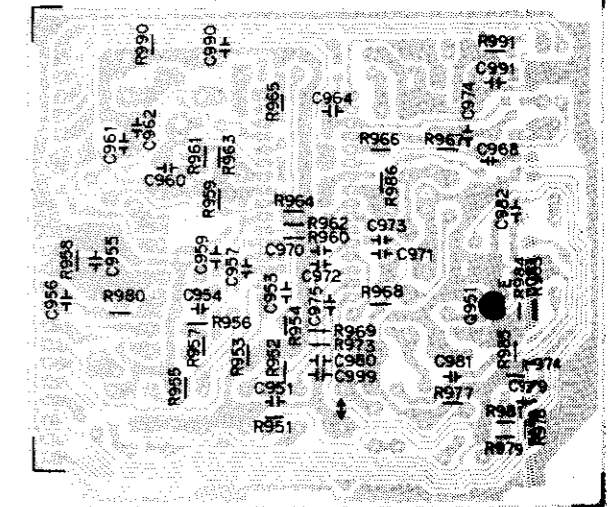


SECAM

COMPONENT SIDE



SOLDER SIDE

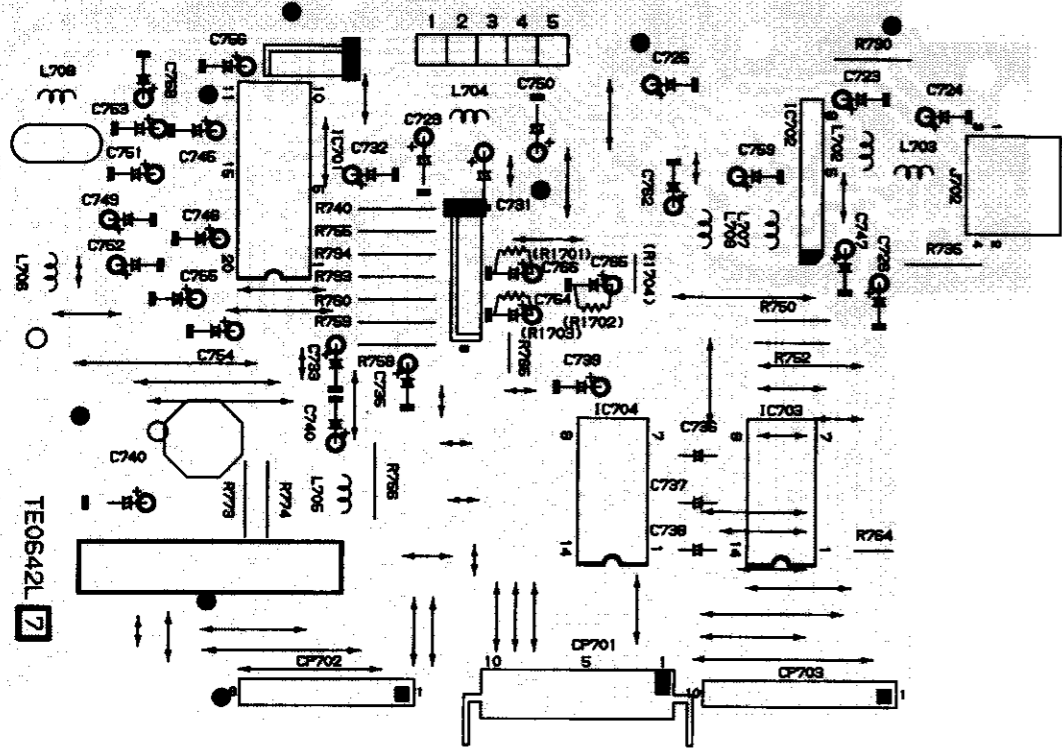


PRINTED CIRCUIT BOARDS

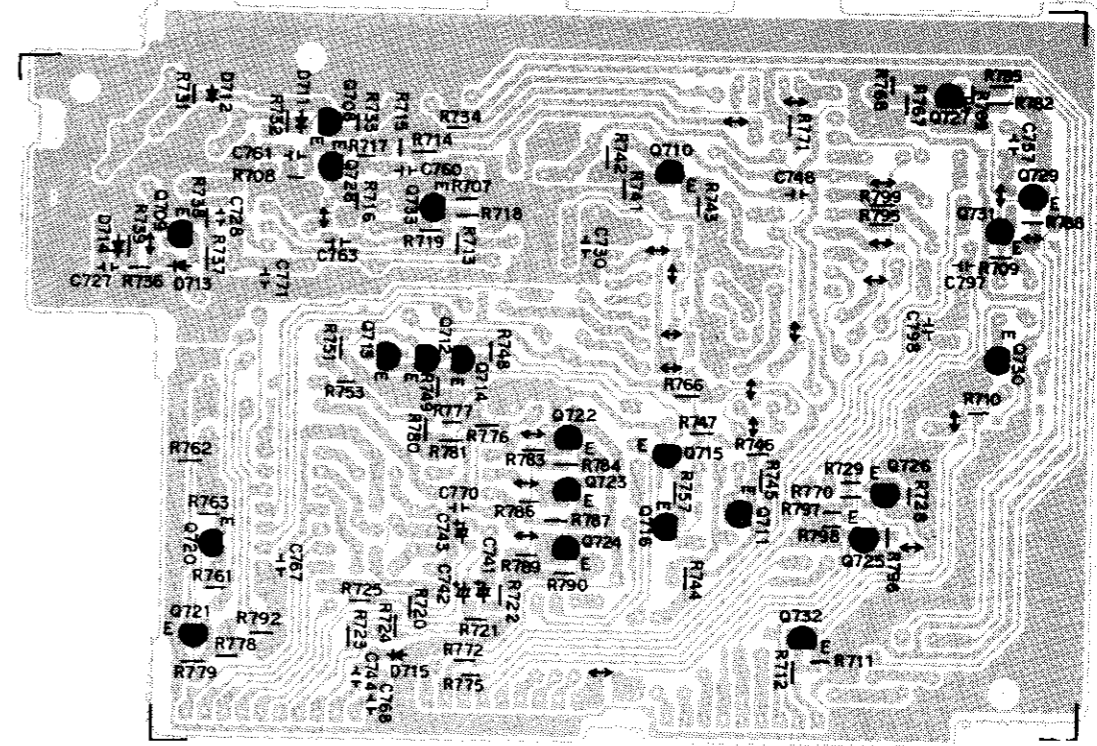
PRINTED CIRCUIT BOARDS

S-VHS

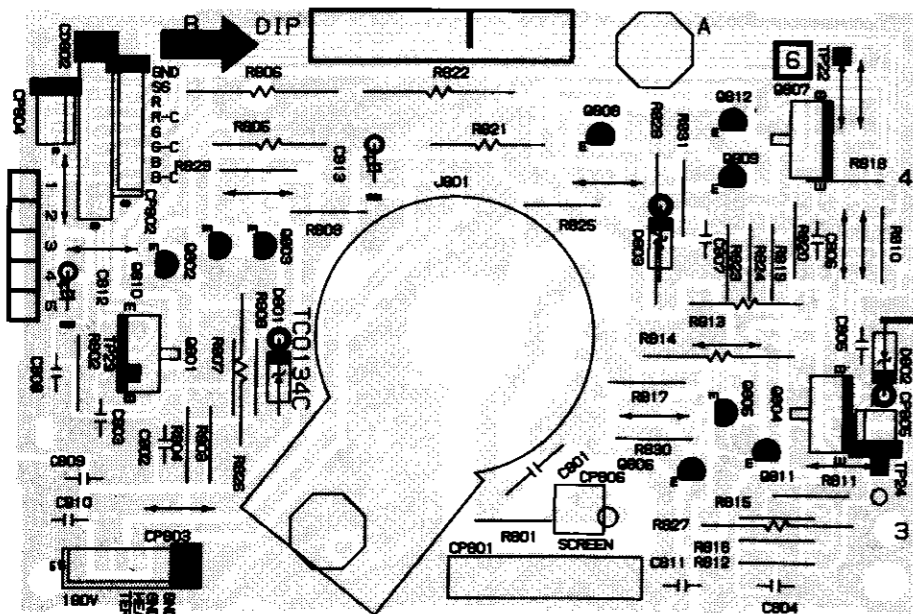
COMPONENT SIDE



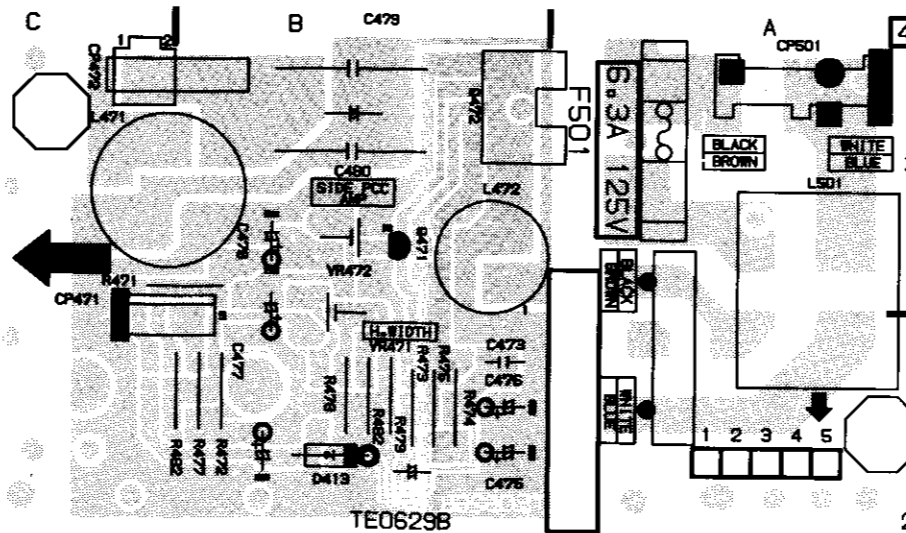
SOLDER SIDE



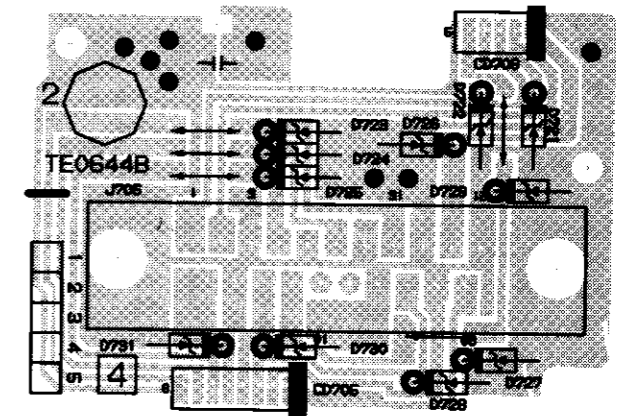
CRT



PIN CUSHION



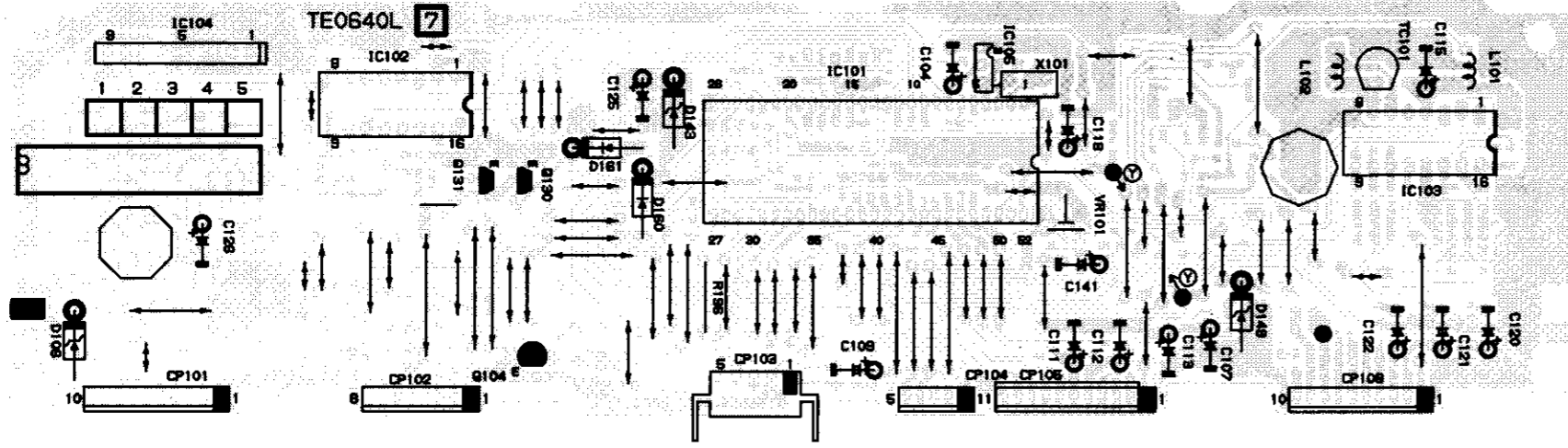
21PIN



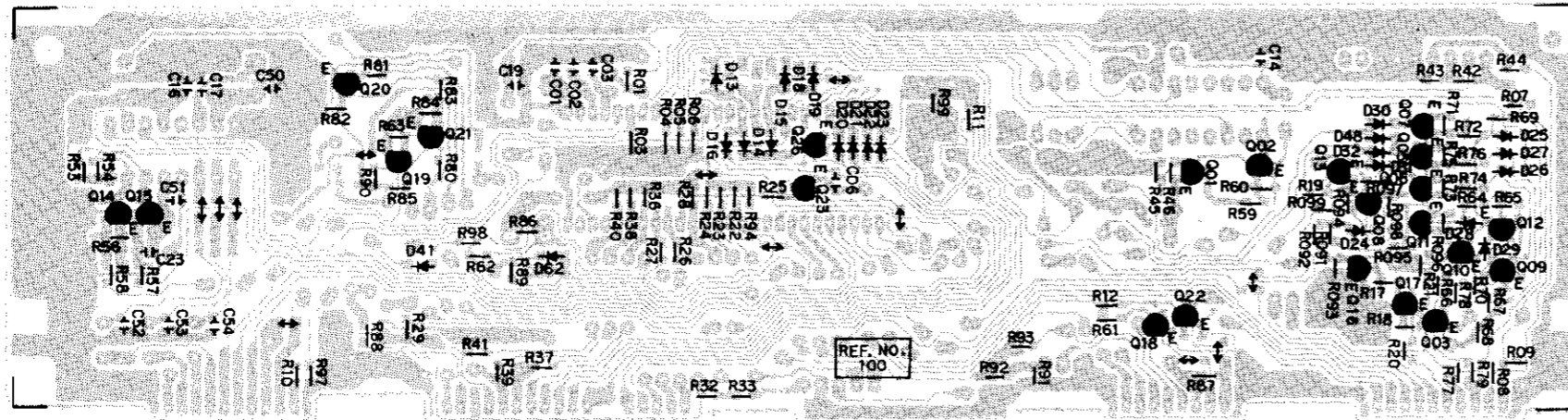
PRINTED CIRCUIT BOARDS

PRINTED CIRCUIT BOARDS

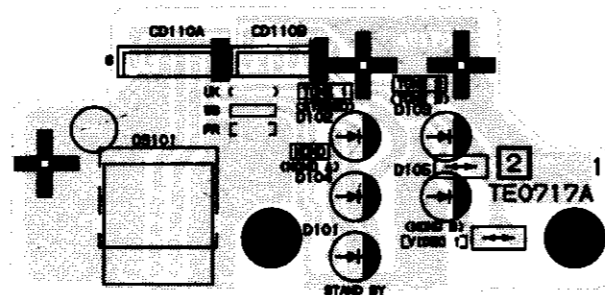
MICON
COMPONENT SIDE



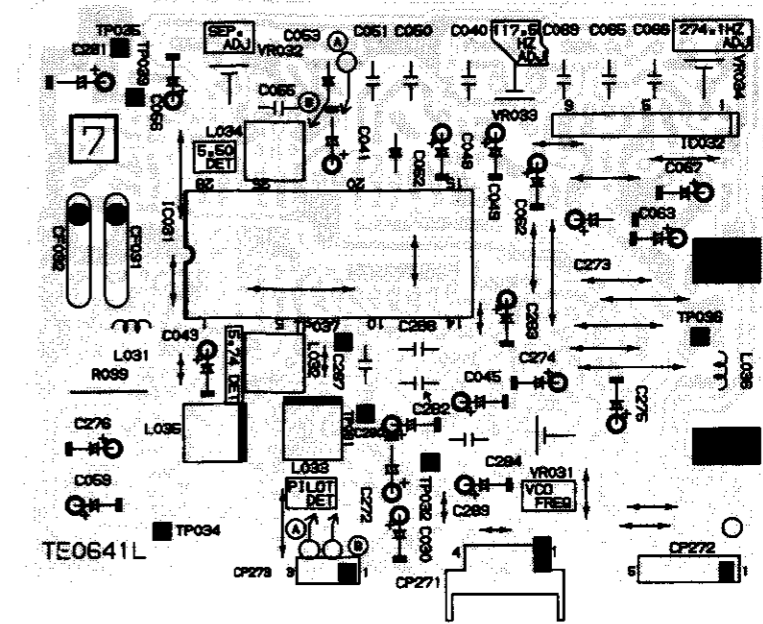
SOLDER SIDE



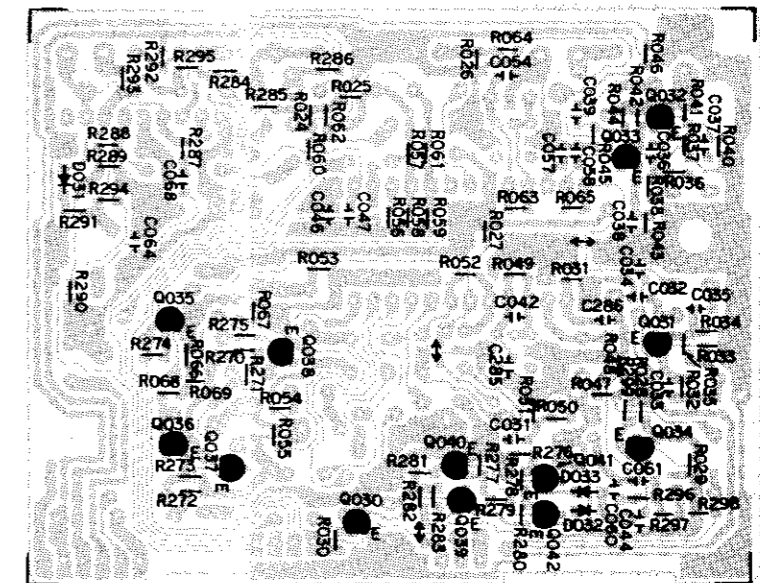
CONTROL



STEREO / SAP
COMPONENT SIDE

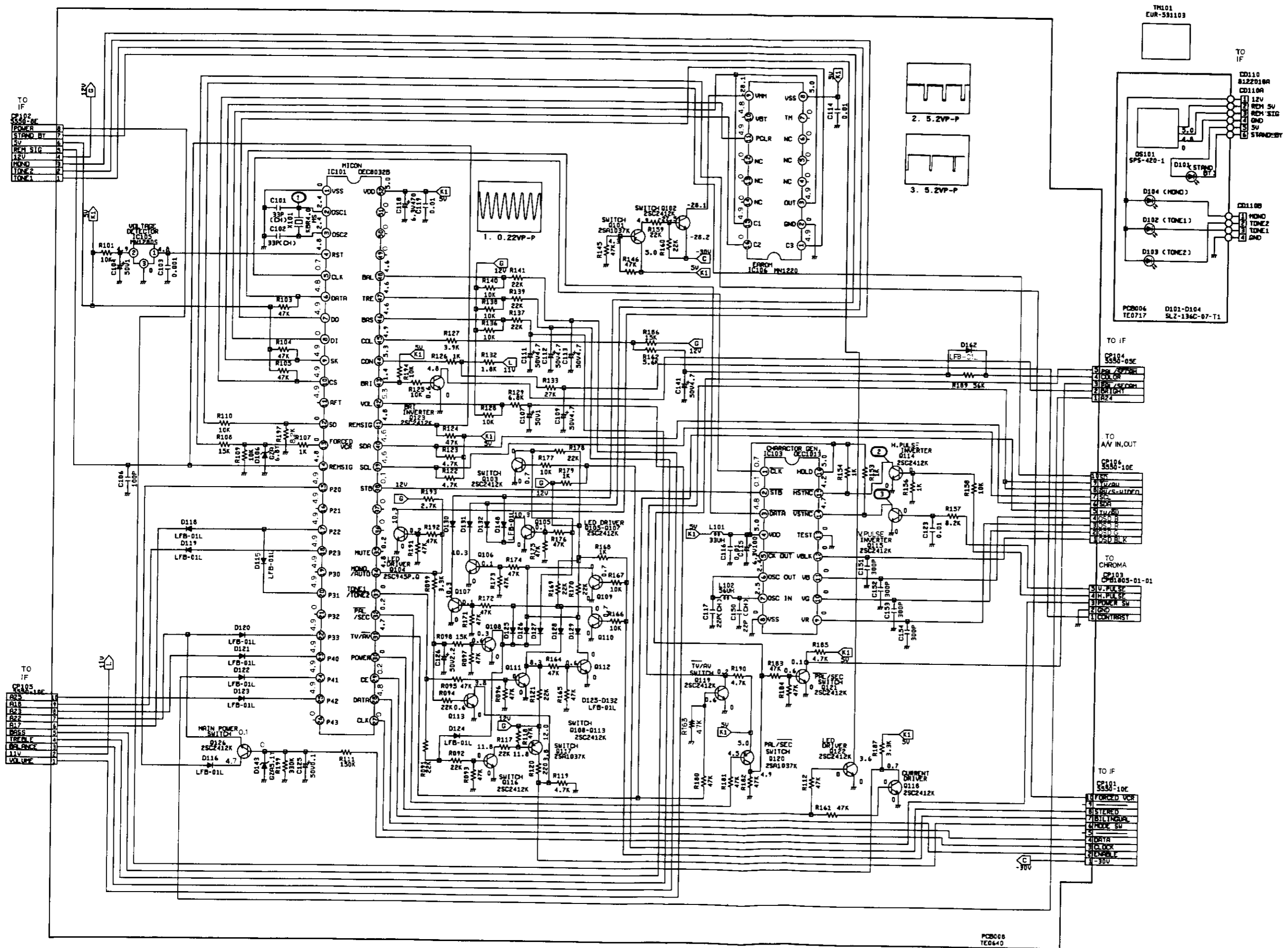


SOLDER SIDE



PRINTED CIRCUIT BOARDS

MICON SCHEMATIC DIAGRAM

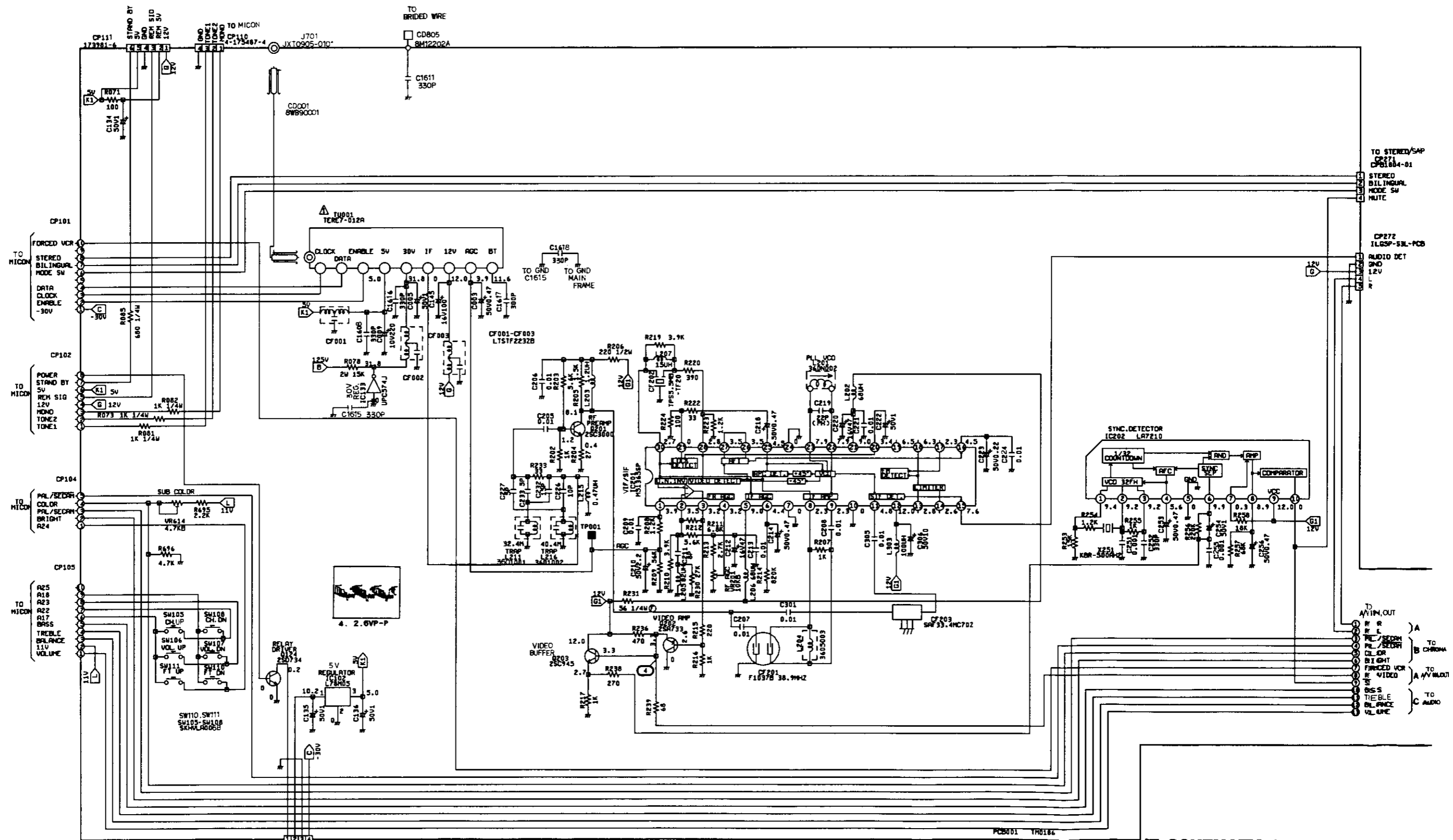


NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

MICON SCHEMATIC DIAGRAM

1-10829

IF SCHEMATIC DIAGRAM



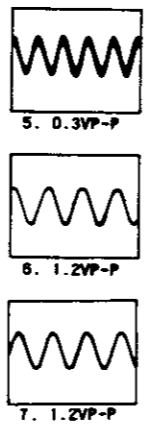
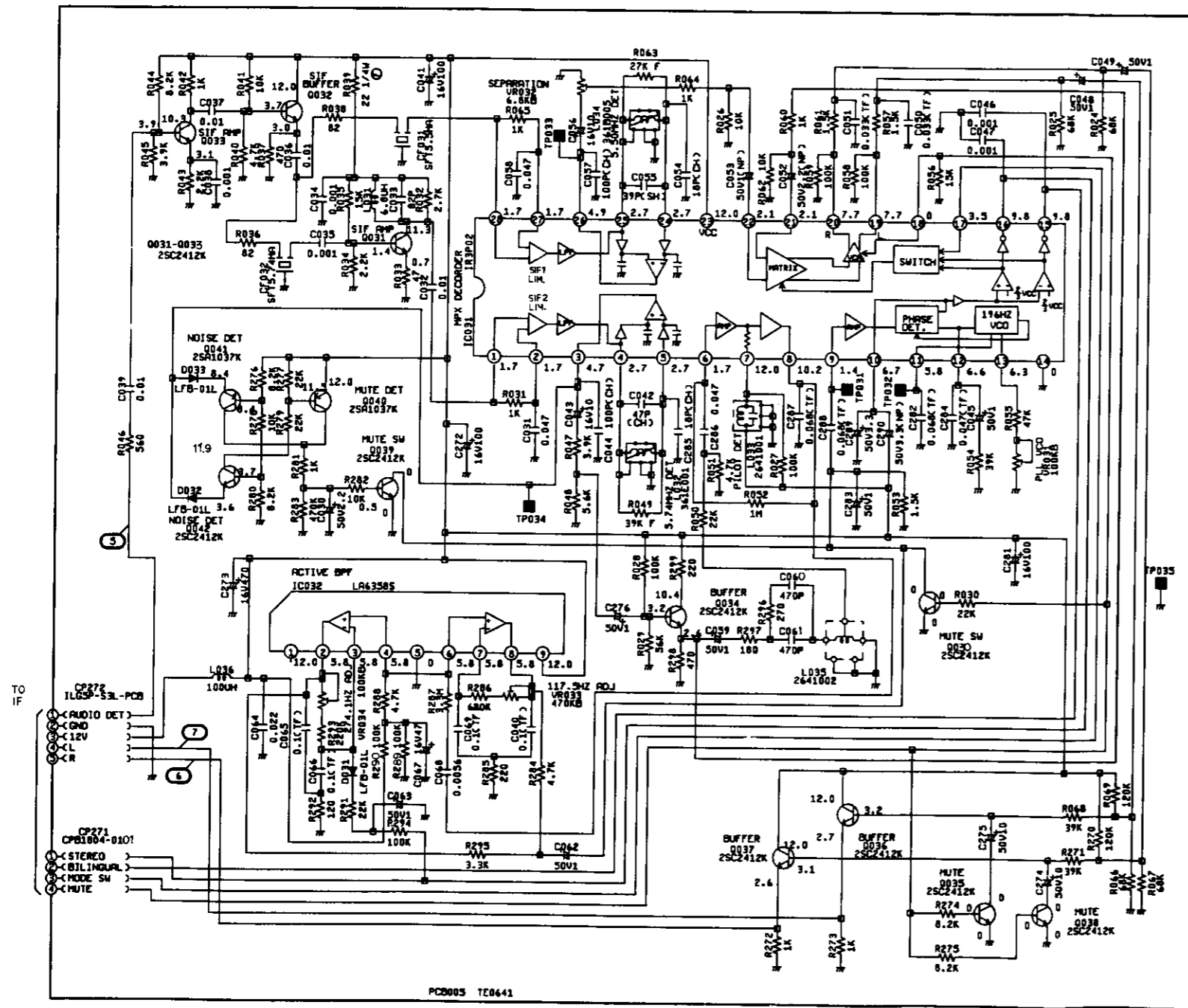
ATTENTION: LES PIÈCES MARQUÉES PAR UN Δ ÉTAIENT DANGEREUSES AU POINT DE VUE SÉCURITÉ. N'UTILISER QUE CELLES DÉCRITES DANS LA NOMÉNCLATURE DES PIÈCES.

CAUTION: SINCE THESE PARTS MARKED BY Δ ARE DANGEROUS FOR SAFETY, USE ONES DESCRIBED ON PARTS LIST ONLY.

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IF SCHEMATIC DIAGRAM
1-10830

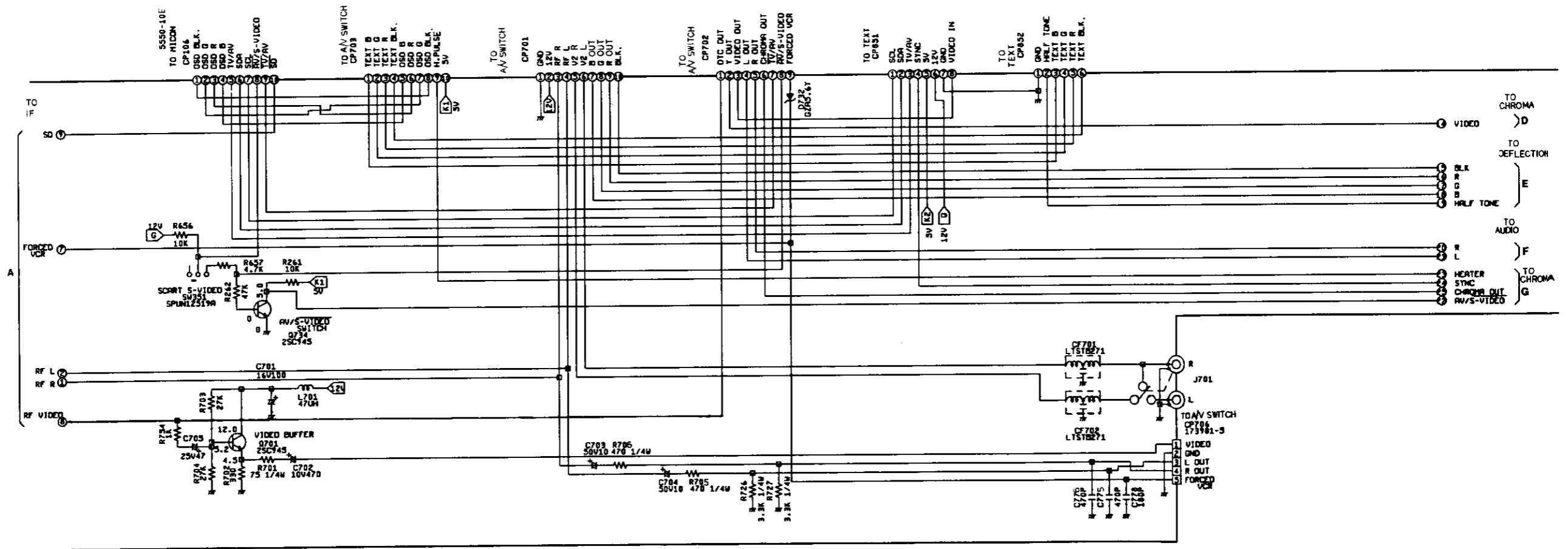
STEREO/SAP SCHEMATIC DIAGRAM



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STEREO/SAP SCHEMATIC DIAGRAM
1-10831

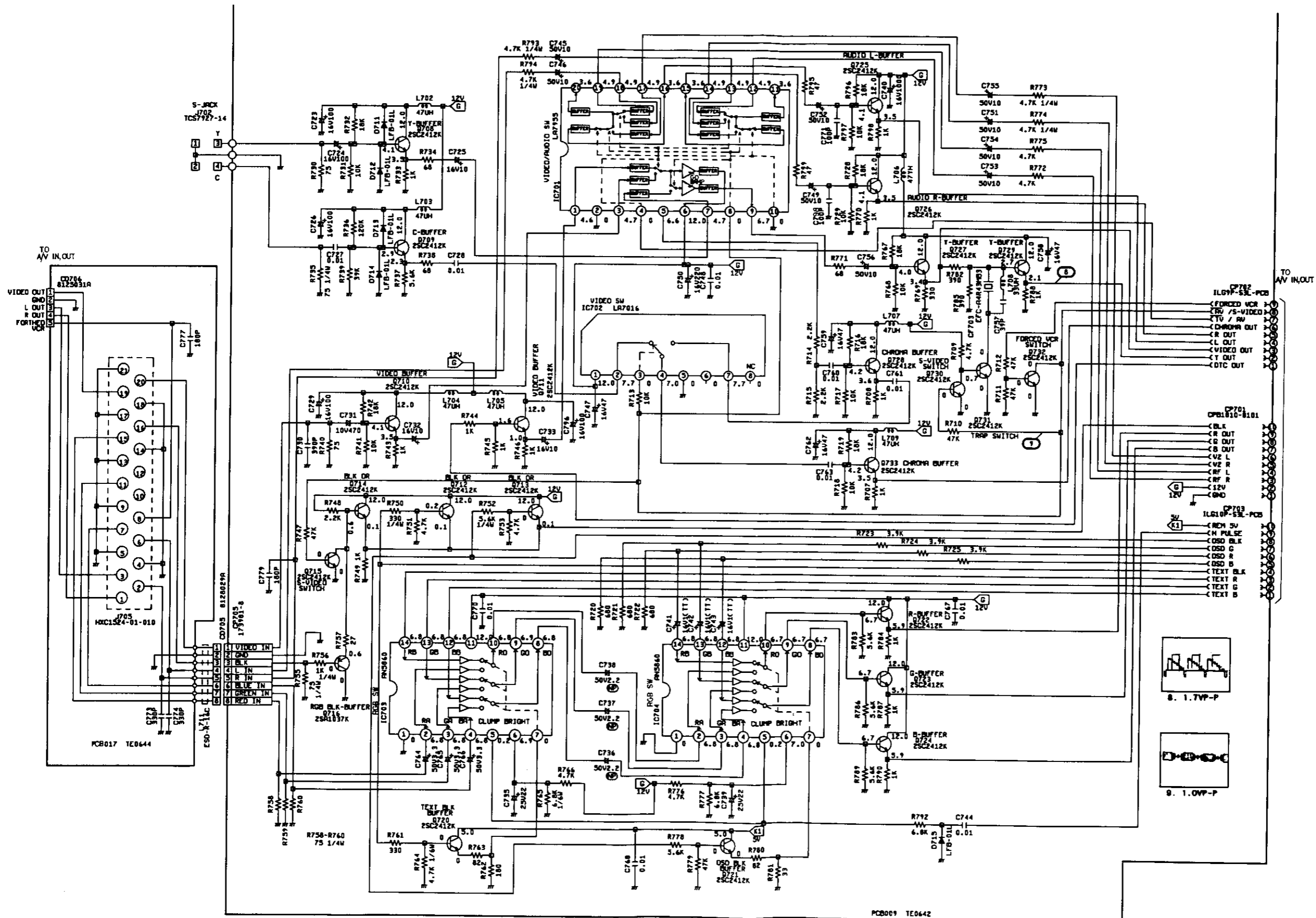
A/V/IN,OUT SCHEMATIC DIAGRAM



NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

A/V/IN,OUT SCHEMATIC DIAGRAM
1-10832

A/V SWITCH SCHEMATIC DIAGRAM

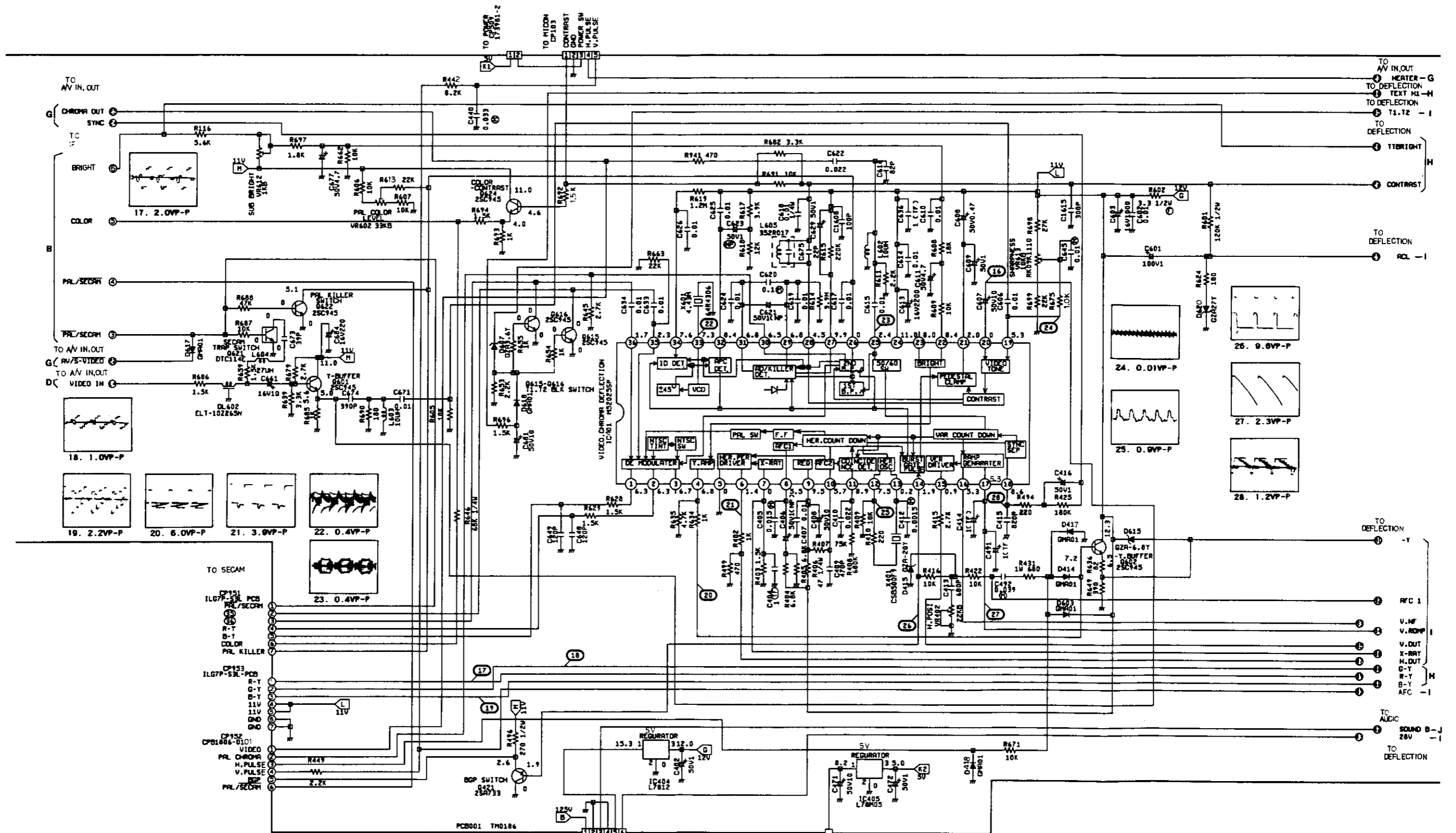


NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

A/V SWITCH SCHEMATIC DIAGRAM

I-10833

CHROMA SCHEMATIC DIAGRAM

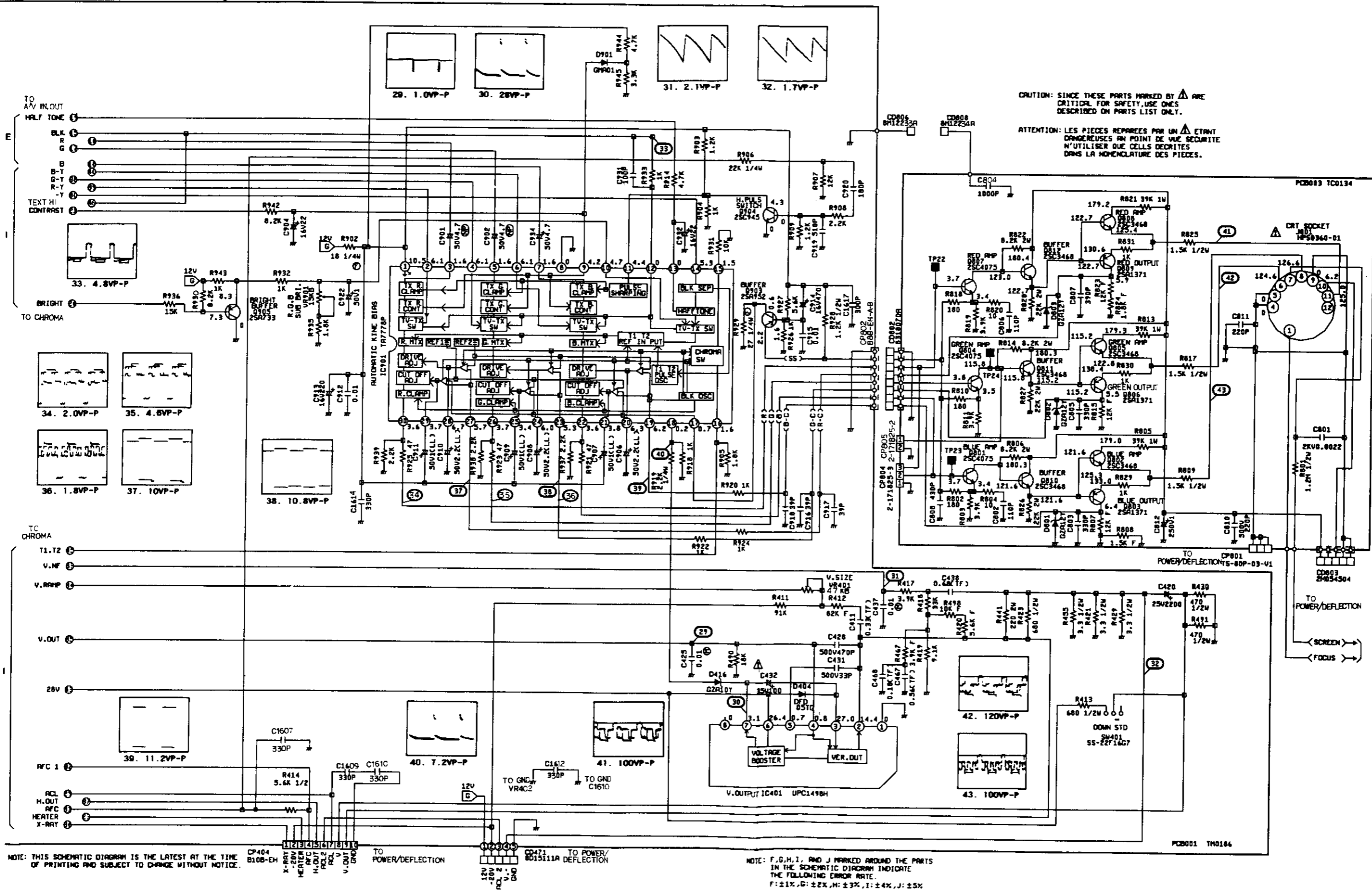


ATTENTION: LES PIÈCES REPARÉES PAR UN Δ ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ, N'UTILISER QUE CELLES DÉCRITES DANS LA NOMÉCLATURE DES PIÈCES.

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NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

DEFLECTION SCHEMATIC DIAGRAM



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ATTENTION: LES PIÈCES MARQUÉES PAR UN Δ ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ N'UTILISER QUE CELLES DÉCRITES DANS LA NOMÉCLATURE DES PIÈCES.

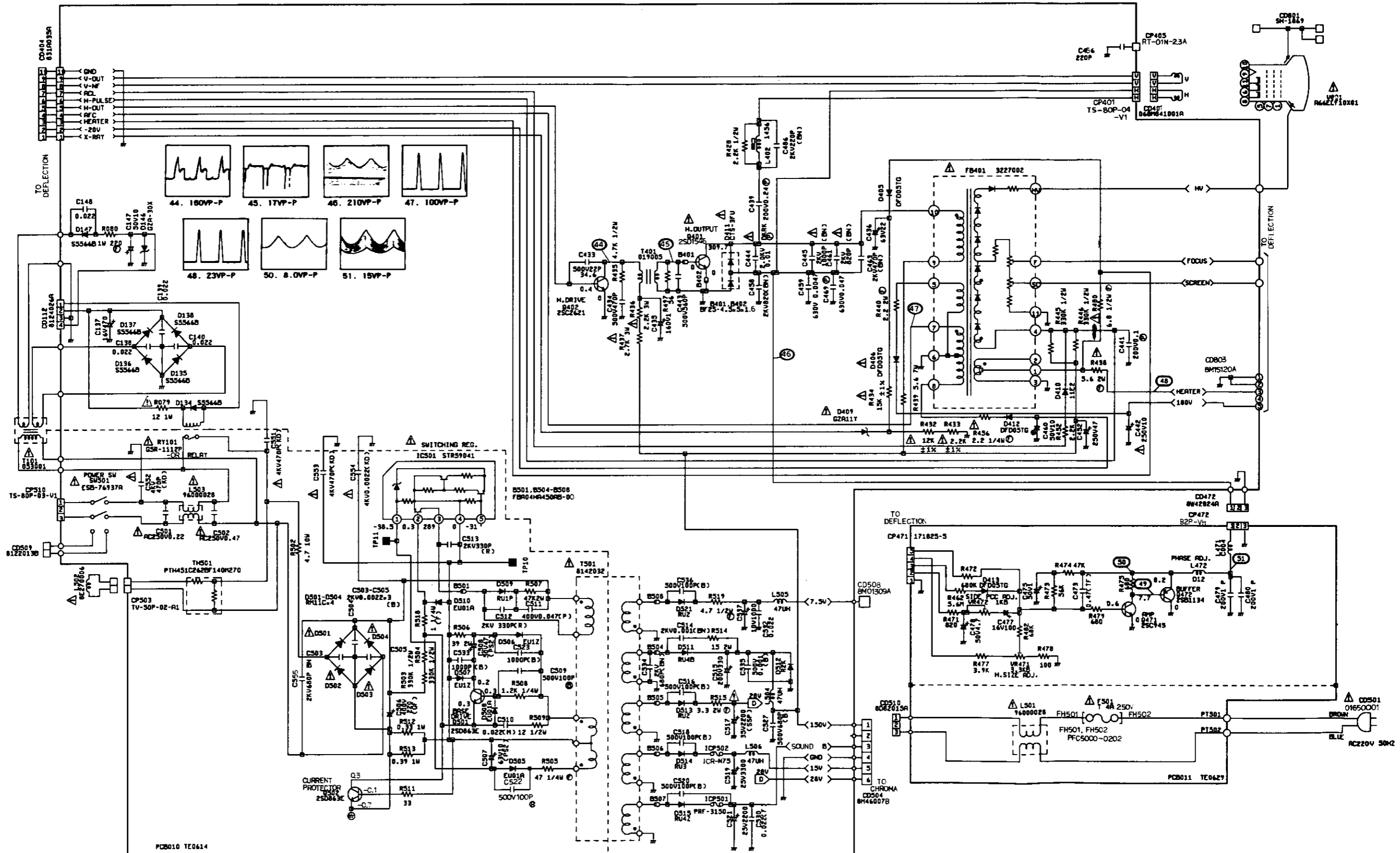
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: F, G, H, I, AND J MARKED AROUND THE PARTS IN THE SCHEMATIC DIAGRAM INDICATE THE FOLLOWING ERROR RATE:
 F: $\pm 1\%$, G: $\pm 2\%$, H: $\pm 3\%$, I: $\pm 4\%$, J: $\pm 5\%$

DEFLECTION SCHEMATIC DIAGRAM

1-10835

POWER/DEFLECTION SCHEMATIC DIAGRAM



ATTENTION: LES PIÈCES MARQUÉES PAR UN Δ ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ, N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.

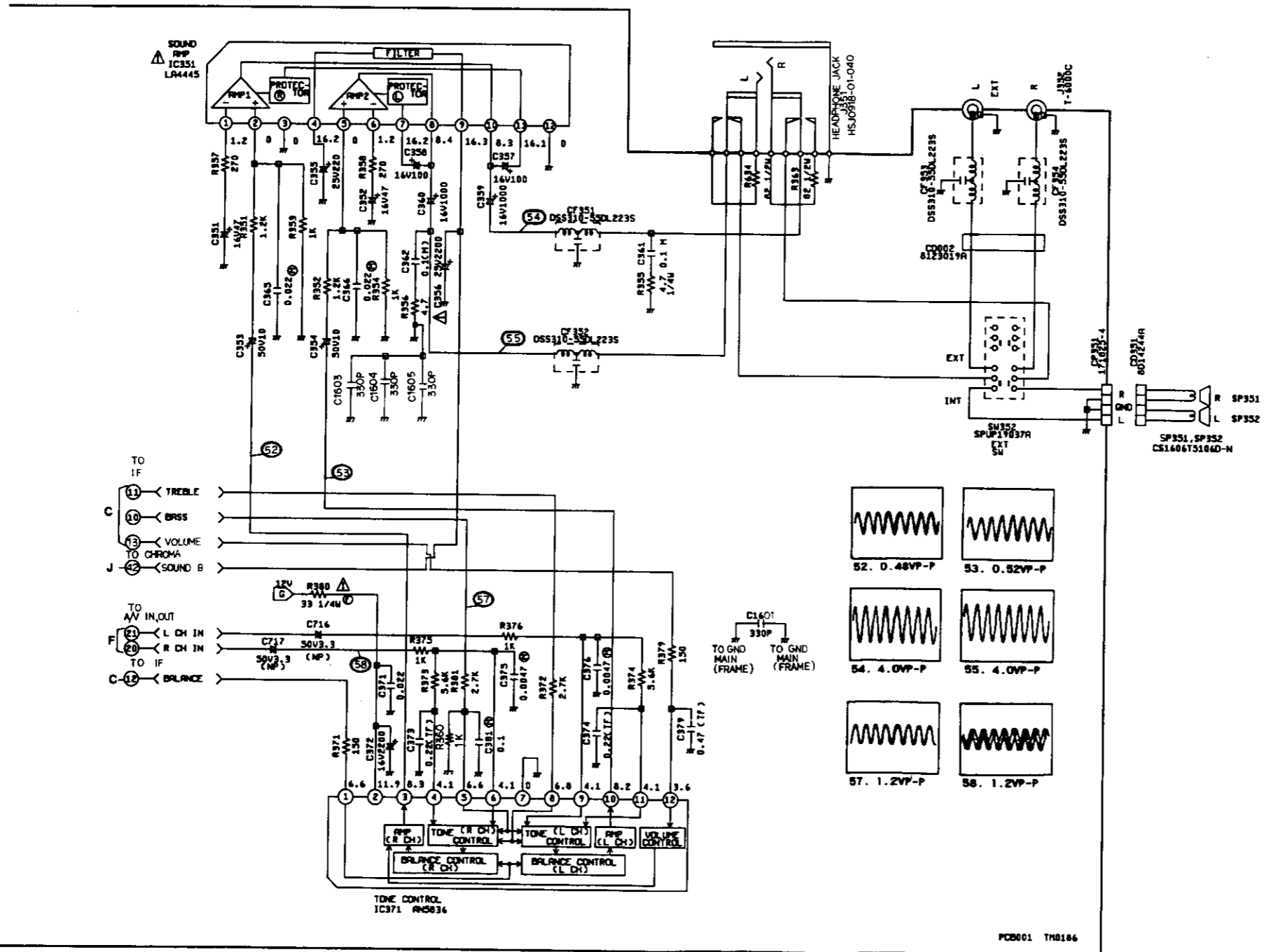
CAUTION: SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED ON PARTS LIST ONLY.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

POWER/DEFLECTION SCHEMATIC DIAGRAM

1-10836

AUDIO SCHEMATIC DIAGRAM



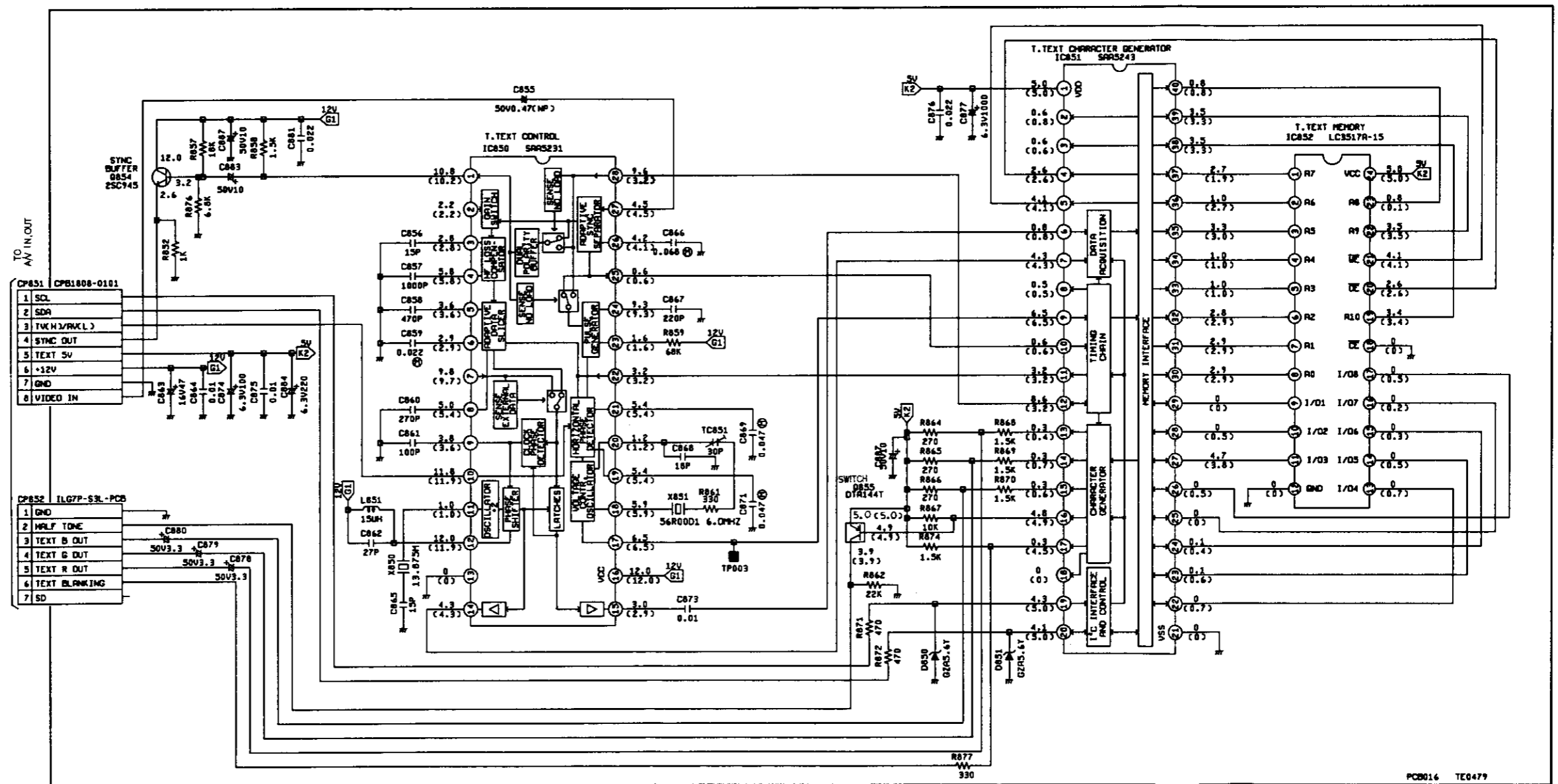
ATTENTION: LES PIÈCES MARQUÉES PAR UN Δ ÉTAIENT DANGEREUSES EN POINT DE VUE SÉCURITÉ. N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.

CAUTION: SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED ON PARTS LIST ONLY.

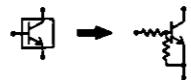
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

AUDIO SCHEMATIC DIAGRAM
1-10837

T'TEXT SCHEMATIC DIAGRAM



CAUTION: DIGITAL TRANSISTOR



CAUTION: SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED ON PARTS LIST ONLY.

ATTENTION: LES PIÈCES MARQUÉES PAR UN Δ ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ, N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES.

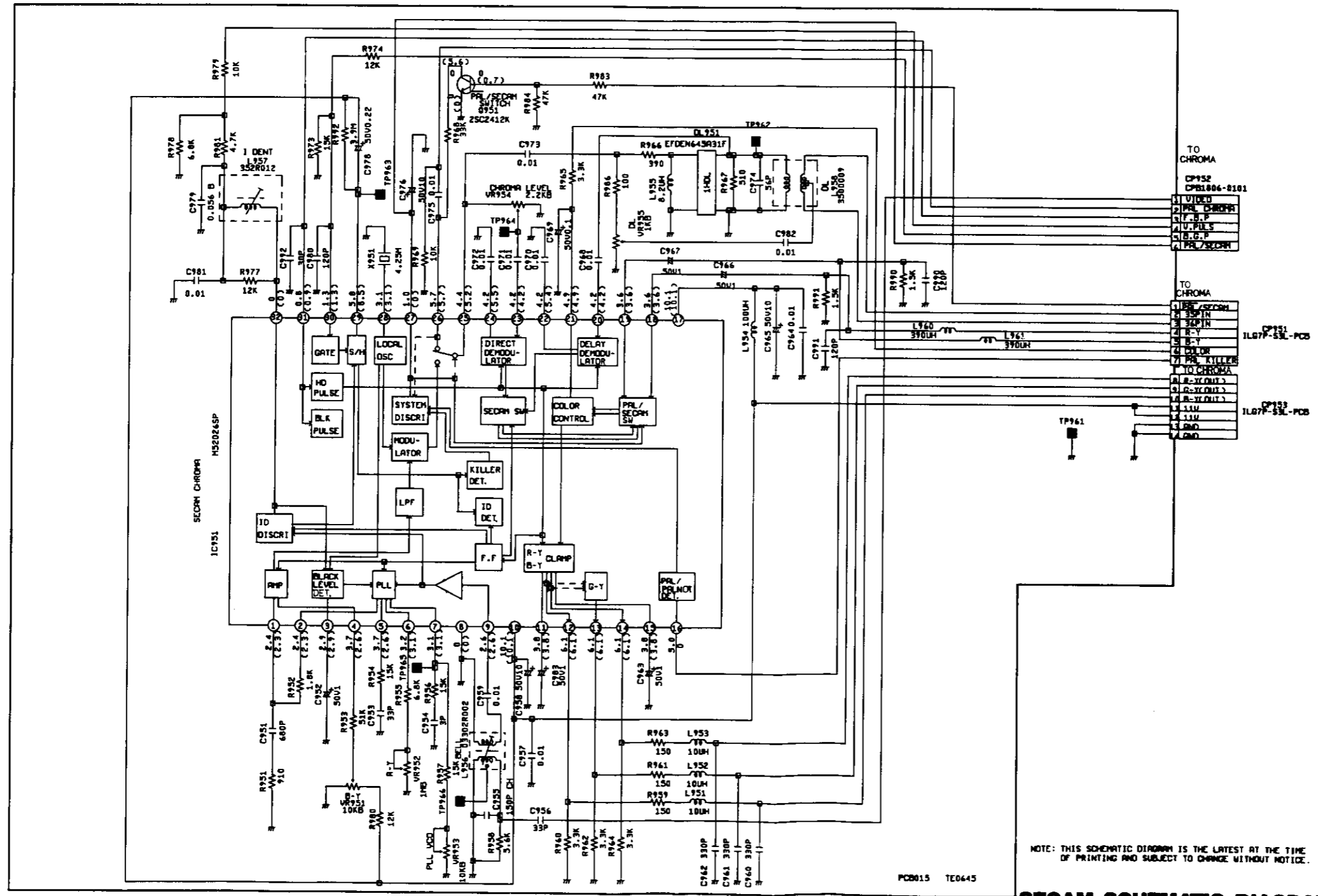
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE FIGURE WITH () IS THE VOLTAGE IN NORMAL TV OPERATION. THE FIGURE WITHOUT () IS THE VOLTAGE IN TELETEXT OPERATION.

T'TEXT SCHEMATIC DIAGRAM

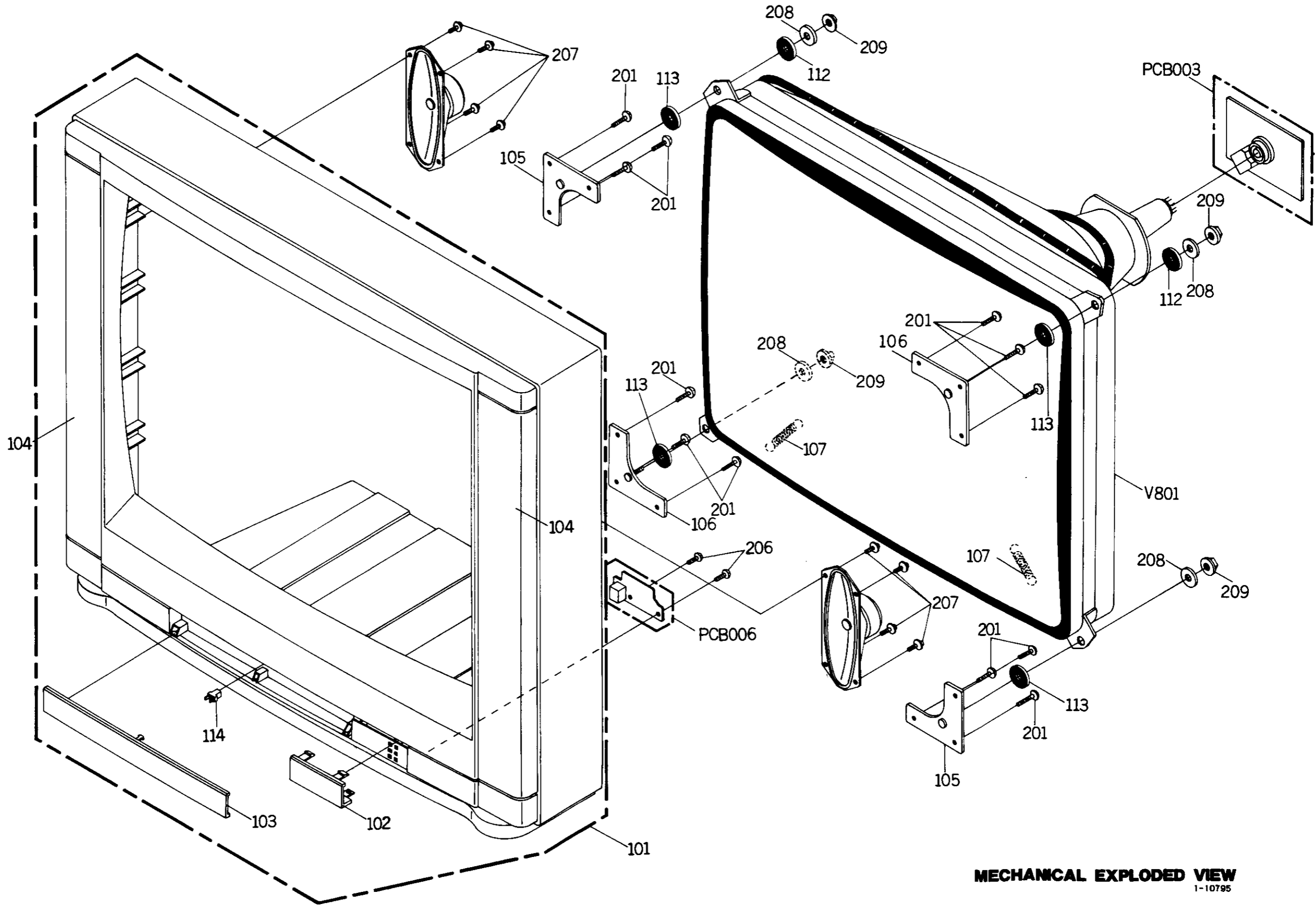
1-10838

SECAM SCHEMATIC DIAGRAM



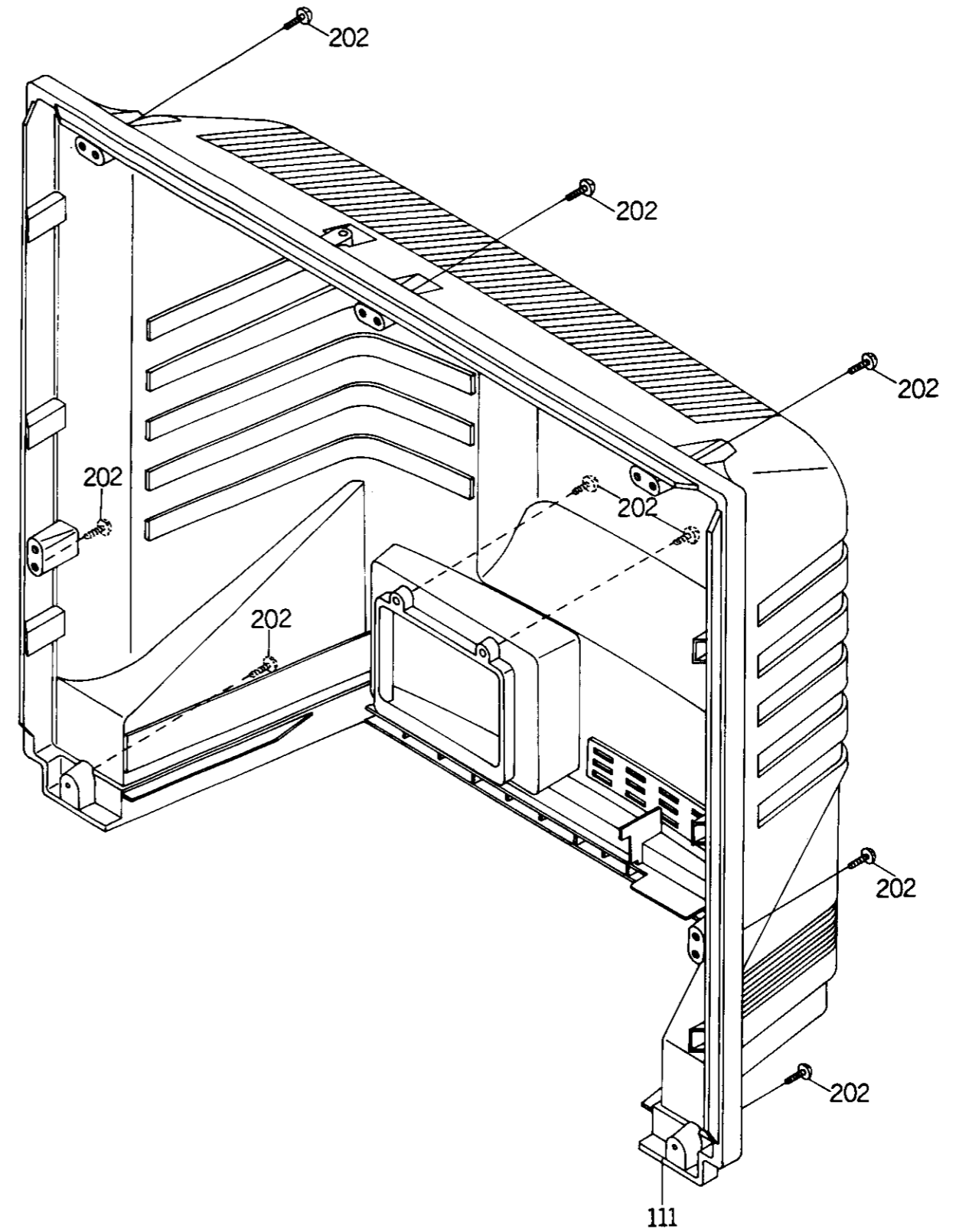
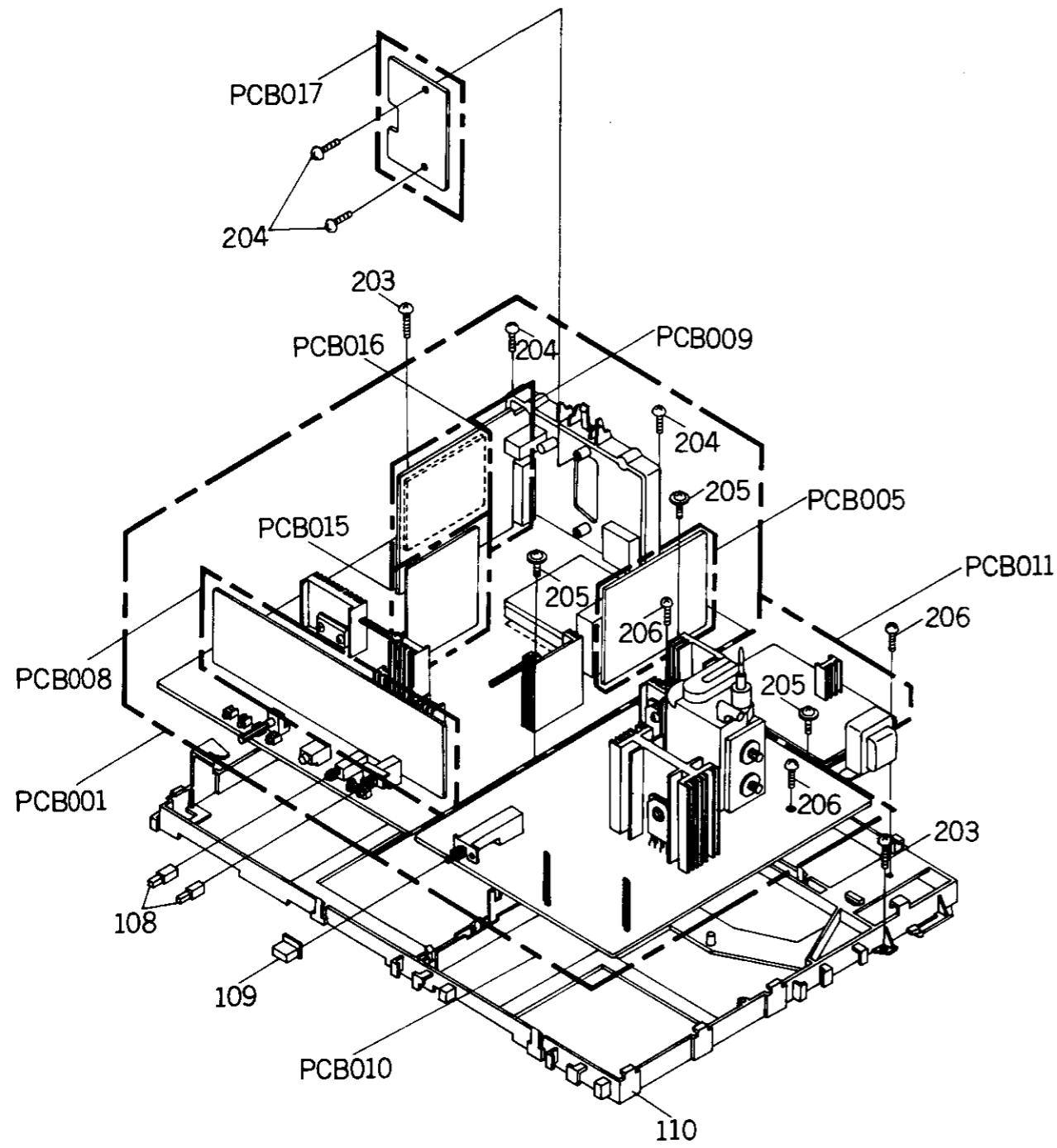
SECAM SCHEMATIC DIAGRAM
1-10830

MECHANICAL EXPLODED VIEW



MECHANICAL EXPLODED VIEW
1-10795

MECHANICAL EXPLODED VIEW



MECHANICAL EXPLODED VIEW

1-10796

MECHANICAL REPLACEMENT PARTS LIST

REF. NO	PART NO	DESCRIPTION	
101	A3A201A720	CABINET, FRONT ASS'Y	
	701UPB0023	CABINET, FRONT	
	7220000888	SHEET, PTB	
	7230003990	PLATE, DOOR	
	7232020210	PLATE, BRAND	
	7240000957	SHEET, REMOCON	
102	7111TPD0059	PLATE, FRONT	
103	712TPD0020	DOOR	
104	714KS80018	GRILL, SPEAKER	
105	762USA0001	ANGLE, CRT	
106	762USA0002	ANGLE, CRT	
107	741TUA0004	SPRING, EARTH	
108	735TPA0085	BUTTON, PUSH	
109	735TPA0101	BUTTON, POWER	
110	762JPA0021	FRAME, PCB	
111	A3A201A740	CABINET, BACK ASS'Y	
	702UPA0057	CABINET, BACK	
	7222021235	SHEET, RATING	
112	800TR00003	SHEET, CRT SUPPORT	
113	800TR00007	SHEET, CRT SUPPORT	
114	890LA10000	NC LACH	
201	8110240B04	TAP TITE(P) BIND	4*20 CH
202	8117540A62	TAPPING(B0) TRUSS	4*16 BK
203	8117540A24	TAPPING(B0) TRUSS	4*12 CH
204	8110630A04	TAP TITE(P) BRAZIER	3*10 CH
205	8117F30A04	TAPPING(B0) WH12	3*10 CH
206	8110630804	TAP TITE(P) BRAZIER	3*8 CH
207	8117D30804	TAPPING(B0) WH8	3*8 CH
208	82A60B2164	WASHER	6.3*22*T1.6
209	8300560004	SL NUT	M6
---	J3A20101A	INSTRUCTION BOOK	
---	J3A20103A	SCHEMATIC DIAGRAM	
---	J35401288	WARNING SHEET	
---	J4511102C	GUARANTEE CARD	
---	791SHA0032	LAMIFILM, BAG	
---	792UHA0034	PACKAGE, TOP	
---	792UHA0035	PACKAGE, BOTTOM	
---	793UCD0368	GIFT BOX	
---	795UCA0007	PAD	

THIS ELECTRICAL PARTS LIST IS STANDARD PART LIST. BUT INTERCHANGEABLE PARTS MAY BE USED IN THE UNIT. SEE THE INTERCHANGEABLE PARTS LIST AFTER THE STANDARD PARTS LIST.

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO	PART NO	DESCRIPTION	REF. NO	PART NO	DESCRIPTION
RESISTORS			CAPACITORS (CONT)		
R039	R61584220J	R.FUSE 22 OHM 1/4W	C507	E02QF6100M	CE 10 UF 63V
R078	R3128A153J	R.METAL OXIDE 15K OHM 2W	C508	E02QF5470M	CE 47 UF 50V
R079	R31181120J	R.METAL OXIDE 12 OHM 1W	C511	P341F4473J	CE 0.047 UF 400V
R080	R61581221J	R.FUSE 220 OHM 1W	C512	C03F0R7L2K	CC 330 PF 2KV
R231	R61584560J	R.FUSE 56 OHM 1/4W	C513	C03F0R7L2K	CC 330 PF 2KV
R380	R61584330J	R.FUSE 33 OHM 1/4W	C514	C0D4BN713K	CC 1000 PF 2KV BN
R406	R61584470J	R.FUSE 47 OHM 1/4W	C515	E02KFV331M	CE 330 UF 200V
R430	R00202471J	RC 470 OHM 1/2W	C517	E027F4222M	CE 2200 UF 35V
R431	R31181681J	R.METAL OXIDE 680 OHM 1W	C519	E02SF3332M	CE 3300 UF 25V
R436	R3128B222J	R.METAL OXIDE 2.2K OHM 3W	C521	E027F3222M	CE 2200 UF 25V
R437	R3128B272J	R.METAL OXIDE 2.7K OHM 3W	C534	C0D4BN7U2K	CC 680 PF 2KV BN
R438	R6158A5R6J	R.FUSE 5.6 OHM 2W	C551	CA1030KQ2M	CC 470 PF 400V AC
R439	R5A2CE5R6K	R.CEMENT 5.6 OHM 7W	C552	CA1030KQ2M	CC 470 PF 400V AC
R440	R6158A2R2J	R.FUSE 2.2 OHM 2W	C553	CA1030KQ2M	CC 470 PF 400V AC
R441	R3128A221J	R.METAL OXIDE 220 OHM 2W	C554	CA1030KH3M	CC 2200 PF 400V AC
R456	R615842R2J	R.FUSE 2.2 OHM 1/4W	C555	C0D0BN7U2K	CC 680 PF 2KV
R480	R635826R8J	R.FUSE 6.8 OHM 1/2W	C613	E02702222M	CE 2200 UF 16V
R491	R00202471J	RC 470 OHM 1/2W	C621	E02E05010M	CE 1 UF 50V
R502	R5A2CF4R7K	R.CEMENT 4.7 OHM 10W	C636	P61300105J	CMPL 1.0 UF 50V
R505	R63584470J	R.FUSE 47 OHM 1/4W	C645	P13300103J	CP 0.01 UF 50V
R506	R3118A390J	R.METAL OXIDE 39 OHM 2W	C677	E027054R7M	CE 4.7 UF 50V
R507	R3118A473J	R.METAL OXIDE 47K OHM 2W	C682	P61300684J	CMPL 0.68 UF 50V
R512	R31181R33J	R.METAL OXIDE 0.33 OHM 1W	C684	E02702221M	CE 220 UF 16V
R513	R31181R39J	R.METAL OXIDE 0.39 OHM 1W	C778	C020SL4G2J	CC 180 PF 50V SL
R514	R3128A180J	R.METAL OXIDE 15 OHM 2W	C779	C020SL4G2J	CC 180 PF 50V SL
R515	R6158A3R3J	R.FUSE 3.3 OHM 2W	C801	C02BB07H3K	CC 1.0022UF 2KV B
R518	R63584010J	R.FUSE 1 OHM 1/4W	C875	C0A0F0414Z	CC 0.01 UF 50V F
R519	R635824R7J	R.FUSE 4.7 OHM 1/2W	C877	E011F0102M	CE 1000 UF 6.3V
R601	R00202124J	RC 120K OHM 1/2W	C887	E02705100M	CE 10 UF 50V
R602	R615823R3J	R.FUSE 3.3 OHM 1/2W	C1601	C020SL4L2J	CC 330 PF 50V SL
R624	R00106181J	RC 180 OHM 1/6W	C1603	C020SL4L2J	CC 330 PF 50V SL
R659	R00106152J	RC 1.5K OHM 1/6W	C1604	C020SL4L2J	CC 330 PF 50V SL
R663	R00106223J	RC 22K OHM 1/6W	C1605	C020SL4L2J	CC 330 PF 50V SL
R671	R00106103J	RC 10K OHM 1/6W	C1607	C020SL4L2J	CC 330 PF 50V SL
R682	R00106332J	RC 3.3K OHM 1/6W	C1608	C020SL4L2J	CC 330 PF 50V SL
R691	R00106103J	RC 10K OHM 1/6W	C1609	C020SL4L2J	CC 330 PF 50V SL
R692	R00106152J	RC 1.5K OHM 1/6W	C1610	C020SL4L2J	CC 330 PF 50V SL
R805	R31181393J	R.METAL OXIDE 39K OHM 1W	C1611	C020SL4L2J	CC 330 PF 50V SL
R806	R3118A822J	R.METAL OXIDE 8.2K OHM 2W	C1612	C020SL4L2J	CC 330 PF 50V SL
R813	R31181393J	R.METAL OXIDE 39K OHM 1W	C1616	C020SL4L2J	CC 330 PF 50V SL
R814	R3118A822J	R.METAL OXIDE 8.2K OHM 2W	C1618	C020SL4L2J	CC 330 PF 50V SL
R821	R31181393J	R.METAL OXIDE 39K OHM 1W			
R822	R3118A822J	R.METAL OXIDE 8.2K OHM 2W			
R826	R3118A223J	R.METAL OXIDE 22K OHM 2W			
R827	R3118A223J	R.METAL OXIDE 22K OHM 2W			
R828	R3118A223J	R.METAL OXIDE 22K OHM 2W			
R902	R61584180J	R.FUSE 18 OHM 1/4W			
R929	R61582270J	R.FUSE 27 OHM 1/2W			
CAPACITORS			SEMI CONDUCTORS		
C148	C0A0F04H4Z	CC 0.022 UF 50V F	D031	DD3RLF001L	DIODE.SILICON LFB-01L
C356	E02703222M	CE 2200 UF 25V	D032	DD3RLF001L	DIODE.SILICON LFB-01L
C359	E027F2102M	CE 1000 UF 16V	D033	DD3RLF001L	DIODE.SILICON LFB-01L
C372	E027F2222M	CE 2200 UF 16V	D101	002132Q010	LED SLZ-136C-07-T1
C404	P61300105J	CMPL 1.0 UF 50V	D102	002132Q010	LED SLZ-136C-07-T1
C414	P61300106J	CMPL 1.0 UF 50V	D103	002132Q010	LED SLZ-136C-07-T1
C420	E027F3222M	CE 2200 UF 25V	D104	002132Q010	LED SLZ-136C-07-T1
C439	P441F2244J	CMPP 0.24 UF 200V	D106	D93T06R80Y	DIODE.ZENER GZA6.8 Y BT
C441	P441F2104J	CMPP 0.1 UF 200V	D115	DD3RLF001L	DIODE.SILICON LFB-01L
C442	E031FD100M	CE 10 UF 250V	D116	DD3RLF001L	DIODE.SILICON LFB-01L
C444	P46HF0103H	PMH-COM 0.01 UF 2KV	D118	DD3RLF001L	DIODE.SILICON LFB-01L
C445	C034BN713K	CC 0.001 UF 2KV	D119	DD3RLF001L	DIODE.SILICON LFB-01L
C452	E0250D470M	CE 47 UF 250V	D120	DD3RLF001L	DIODE.SILICON LFB-01L
C458	C0D4BN7W2K	CC 820 PF 2KV BN	D121	DD3RLF001L	DIODE.SILICON LFB-01L
C459	P341F5472J	CPP 0.0047UF 630V	D122	DD3RLF001L	DIODE.SILICON LFB-01L
C461	C0D4BN7W2K	CC 820 PF 2KV BN	D123	DD3RLF001L	DIODE.SILICON LFB-01L
C463	C0D4BN7Q2K	CC 470 PF 2KV BN	D124	DD3RLF001L	DIODE.SILICON LFB-01L
C467	P613F0184J	CMPL 0.18 UF 50V	D125	DD3RLF001L	DIODE.SILICON LFB-01L
C469	P341F5473J	CPP 0.047 UF 630V	D126	DD3RLF001L	DIODE.SILICON LFB-01L
C479	P441F2105J	CMPP 1 UF 200V	D127	DD3RLF001L	DIODE.SILICON LFB-01L
C480	P441F2105J	CMPP 1 UF 200V	D128	DD3RLF001L	DIODE.SILICON LFB-01L
C486	C0D0BN7H2K	CC 220 PF 2KV	D129	DD3RLF001L	DIODE.SILICON LFB-01L
C491	P61300105J	CMPL 1.0 UF 50V	D130	DD3RLF001L	DIODE.SILICON LFB-01L
C492	P13300393J	CP 0.039 UF 50V	D131	DD3RLF001L	DIODE.SILICON LFB-01L
C501	P2160B224M	CPP 0.22 UF 250V	D132	DD3RLF001L	DIODE.SILICON LFB-01L
C502	P2160B474M	CPP 0.47 UF 250V	D134	D25T5566B0	DIODE.RECTIFIER S5566B(TPA3)
C503	C0ABB07H3K	CC 2200 PF 2KV B	D135	D25T5566B0	DIODE.RECTIFIER S5566B(TPA3)
C504	C0ABB07H3K	CC 2200 PF 2KV B	D136	D25T5566B0	DIODE.RECTIFIER S5566B(TPA3)
C505	C0ABB07H3K	CC 2200 PF 2KV B	D137	D25T5566B0	DIODE.RECTIFIER S5566B(TPA3)
C506	E03SFH221M	CE 220 UF 400V	D138	D25T5566B0	DIODE.RECTIFIER S5566B(TPA3)
			D143	D93T06R10Y	DIODE.ZENER GZA5.1 Y BT-T
			D146	D93T03000X	DIODE.ZENER GZA30 X BT
			D147	D25T5566B0	DIODE.RECTIFIER S5566B(TPA3)
			D148	DD3RLF001L	DIODE.SILICON LFB-01L
			D162	DD3RLF001L	DIODE.SILICON LFB-01L
			D404	D23TF005TG	DIODE.RECTIFIER DFD05TG-BT
			D405	D23TF005TG	DIODE.RECTIFIER DFD05TG-BT
			D406	D23TF005TG	DIODE.RECTIFIER DFD05TG-BT
			D409	D93T01100Y	DIODE.ZENER GZA11 Y BT
			D410	D28T011E20	DIODE.SILICON 11E2TA1

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO	PART NO	DESCRIPTION	REF. NO	PART NO	DESCRIPTION
SEMI CONDUCTORS (CONT)			SEMI CONDUCTORS (CONT)		
Δ D411	DCBFTS3FU0	DIODE STACK	Q103	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D412	D23TFD05TG	DIODE RECTIFIER	Q104	TC2T009450	TRANSISTOR SILICON 25C945-T
D413	D23TFD05TG	DIODE RECTIFIER	Q105	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D414	D13TGMA010	DIODE SILICON	Q106	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D415	D93T02000Y	DIODE ZENER	Q107	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D416	D93T01000X	DIODE ZENER	Q108	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D417	D13TGMA010	DIODE SILICON	Q109	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D418	D130GMA010	DIODE SILICON	Q110	T87A02412K	TRANSISTOR SILICON 25C2412KT147
Δ D501	D2BHRM11C0	DIODE RECTIFIER	Q111	T87A02412K	TRANSISTOR SILICON 25C2412KT147
Δ D502	D2BHRM11C0	DIODE RECTIFIER	Q112	T87A02412K	TRANSISTOR SILICON 25C2412KT147
Δ D503	D2BHRM11C0	DIODE RECTIFIER	Q113	T87A02412K	TRANSISTOR SILICON 25C2412KT147
Δ D504	D2BHRM11C0	DIODE RECTIFIER	Q114	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D505	D2BTOEU01A	DIODE SILICON	Q115	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D506	D2BH00EU1Z	DIODE RECTIFIER	Q116	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D507	D2BH00EU1Z	DIODE RECTIFIER	Q117	T67A1037K0	TRANSISTOR SILICON 25A1037KT147
D508	D2BTOEU01A	DIODE SILICON	Q118	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D509	D2B00RU1P0	DIODE RECTIFIER	Q119	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D510	D2BTOEU01A	DIODE SILICON	Q120	T67A1037K0	TRANSISTOR SILICON 25A1037KT147
D511	D2BF0RU480	DIODE SILICON	Q121	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D512	D2B00R2K0	DIODE AVALANCHE	Q122	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D513	D2BF00RU20	DIODE SILICON	Q123	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D514	D2B000RU30	DIODE SILICON	Q124	TD3T007340	TRANSISTOR SILICON 25D734-AA
D515	D2BJ00RU4Z	DIODE RECTIFIER	Q126	T87A02412K	TRANSISTOR SILICON 25C2412KT147
D521	D2BF00RU20	DIODE SILICON	Q201	TC3T030000	TRANSISTOR SILICON 25C3000-AA
D603	D13TGMA010	DIODE SILICON	Q202	TA2T007330	TRANSISTOR SILICON 25A733-T
D607	D93T03R60X	DIODE ZENER	Q203	TC2T009450	TRANSISTOR SILICON 25C945-T
D615	D93T06R80Y	DIODE ZENER	Δ Q401	TD5Q015460	TRANSISTOR SILICON 25D1546
D617	D13TGMA010	DIODE SILICON	Q402	TC3Q026210	TRANSISTOR SILICON 25C2621-RAC
D618	D130GMA010	DIODE SILICON	Q421	TA2T007330	TRANSISTOR SILICON 25A733-T
D620	D93T02700Y	DIODE ZENER	Q471	TC2T009450	TRANSISTOR SILICON 25C945-T
D711	DD3RLF01L	DIODE SILICON	Q472	TB3G01134R	TRANSISTOR SILICON 25B1134R-SA
D712	DD3RLF01L	DIODE SILICON	Q501	TD3T00863E	TRANSISTOR SILICON 25D863E-E
D713	DD3RLF01L	DIODE SILICON	Q502	TD3T00863E	TRANSISTOR SILICON 25D863E-AE
D714	DD3RLF01L	DIODE SILICON	Q601	TC2T009450	TRANSISTOR SILICON 25C945-T
D715	DD3RLF01L	DIODE SILICON	Q602	TC2T009450	TRANSISTOR SILICON 25C945-T
D732	D93T05R60Y	DIODE ZENER	Q615	TC2T009450	TRANSISTOR SILICON 25C945-T
D801	D93T01200Y	DIODE ZENER	Q616	TC2T009450	TRANSISTOR SILICON 25C945-T
D802	D93T01200Y	DIODE ZENER	Q621	TN7TB03001	COMPOUND TRANSISTOR DTC114ESTP
D803	D93T01200Y	DIODE ZENER	Q622	TC2T009450	TRANSISTOR SILICON 25C945-T
D850	D93005R60Y	DIODE ZENER	Q624	TC2T009450	TRANSISTOR SILICON 25C945-T
D851	D93005R60Y	DIODE ZENER	Q701	TC2T009450	TRANSISTOR SILICON 25C945-T
D901	D13TGMA010	DIODE SILICON	Q708	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC031	10GDF3P020	IC	Q709	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC032	103S063580	IC	Q710	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC101	151D08032B	IC	Q711	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC102	103B98M050	IC	Q712	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC103	152D010130	IC	Q713	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC105	101901280S	IC	Q714	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC106	1A1DN12200	IC	Q715	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC133	102190574J	IC	Q716	T67A1037K0	TRANSISTOR SILICON 25A1037KT147
IC201	106DA3655P	IC	Q720	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC202	103S072100	IC	Q721	T87A02412K	TRANSISTOR SILICON 25C2412KT147
Δ IC351	103SP44450	IC	Q722	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC371	101S058360	IC	Q723	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC401	102SD14980	IC	Q724	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC404	103B97812V	IC	Q725	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC405	103B98M050	IC	Q726	T87A02412K	TRANSISTOR SILICON 25C2412KT147
Δ IC501	12B4990410	IC	Q727	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC601	106DE20250	IC	Q728	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC701	103DE79550	IC	Q729	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC702	103S070160	IC	Q730	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC703	101D0586600	IC	Q731	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC704	101D0586600	IC	Q732	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC850	19KDF52310	IC	Q733	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC851	14KDF52430	IC	Q734	T87A02412K	TRANSISTOR SILICON 25C2412KT147
IC852	153D03517C	IC	Q801	TC3T034680	TRANSISTOR SILICON 25C3468-AE
IC901	105DE77780	IC	Q802	TC3T034680	TRANSISTOR SILICON 25C3468-AE
IC951	106DE20260	IC	Q803	TA3T1371A0	TRANSISTOR SILICON 25A1371-AE
Q030	T87A02412K	TRANSISTOR SILICON	Q804	TC3Q040750	TRANSISTOR SILICON 25C4075-YAC
Q031	T87A02412K	TRANSISTOR SILICON	Q805	TC3T034680	TRANSISTOR SILICON 25C3468-AE
Q032	T87A02412K	TRANSISTOR SILICON	Q806	TA3T1371A0	TRANSISTOR SILICON 25A1371-AE
Q033	T87A02412K	TRANSISTOR SILICON	Q807	TC3Q040750	TRANSISTOR SILICON 25C4075-YAC
Q034	T87A02412K	TRANSISTOR SILICON	Q808	TC3T034680	TRANSISTOR SILICON 25C3468-AE
Q035	T87A02412K	TRANSISTOR SILICON	Q809	TA3T1371A0	TRANSISTOR SILICON 25A1371-AE
Q036	T87A02412K	TRANSISTOR SILICON	Q810	TC3T034680	TRANSISTOR SILICON 25C3468-AE
Q037	T87A02412K	TRANSISTOR SILICON	Q811	TC3T034680	TRANSISTOR SILICON 25C3468-AE
Q038	T87A02412K	TRANSISTOR SILICON	Q812	TC3T034680	TRANSISTOR SILICON 25C3468-AE
Q039	T87A02412K	TRANSISTOR SILICON	Q854	TC2T009450	TRANSISTOR SILICON 25C945-T
Q040	T67A1037K0	TRANSISTOR SILICON	Q855	TP7TD03002	COMPOUND TRANSISTOR DTA144TSTP
Q041	T67A1037K0	TRANSISTOR SILICON	Q903	TA2T00952L	TRANSISTOR SILICON 25A952LT
Q042	T87A02412K	TRANSISTOR SILICON	Q904	TC2T009450	TRANSISTOR SILICON 25C945-T
Q101	T67A1037K0	TRANSISTOR SILICON	Q905	TA2T007330	TRANSISTOR SILICON 25A733-T
Q102	T87A02412K	TRANSISTOR SILICON	Q951	T87A02412K	TRANSISTOR SILICON 25C2412KT147

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO	PART NO	DESCRIPTION	REF. NO	PART NO	DESCRIPTION
VARIABLE RESISTORS (CONT)					
L031	0216736R8K	COIL	6.8	UH	
L032	03361E0011	COIL, SOUND IFT	361E001		
L033	0326410011	COIL, TRAP	2641001		
L034	03361B0051	COIL, SOUND IFT	361B005		
L035	0326410021	COIL, TRAP	2641002		
L036	021673101K	COIL	100	UH	
L101	021673330K	COIL	33	UH	
L102	021673560K	COIL	56	UH	
L201	03360N0028	COIL, DET	360N002		
L202	021673680K	COIL	68	UH	
L203	0216731R2K	COIL	1.2	UH	
L204	0336050036	COIL, MATCHING	3605003		
L205	021673820K	COIL	82	UH	
L206	021673680K	COIL	68	UH	
L207	021JA6150K	COIL	15	UH	
L211	03360L0018	COIL, TRAP	360L001		
L215	021JA6R47M	COIL	0.47	UH	
L216	0336010028	COIL, DET	3601002		
L303	021673101K	COIL	100	UH	
L402	0221000003	COIL, LINEARITY	1456MS		
L471	02C8000004	SIDE PIN MODURATOR COIL	C8000004		
L472	02D8000012	TIB PIN PHASE COIL	D8000012		
L501	0296000028	COIL, LINE FILTER	96000028		
L502	028E270006	COIL DEGAUSS	8E270006		
L503	0296000028	COIL, LINE FILTER	96000028		
L504	02186D470K	COIL	47	UH	
L505	021J74470K	COIL	47	UH	
L506	02186D470K	COIL	47	UH	
L602	021JA6100K	COIL	10	UH	
L603	021JA6100K	COIL	10	UH	
L604	021J96270K	COIL	27	UH	
L605	03352R0177	COIL, CHROMA	352R017		
L701	021JA6470K	COIL	47	UH	
L702	021JA6470K	COIL	47	UH	
L703	021JA6470K	COIL	47	UH	
L704	021JA6470K	COIL	47	UH	
L705	021JA6470K	COIL	47	UH	
L706	021JA6470K	COIL	47	UH	
L707	021JA6470K	COIL	47	UH	
L708	021JA6330K	COIL	33	UH	
L709	021JA6470K	COIL	47	UH	
L711	02AXA509C1	FILTER, LINE	ESD-R-16C		
L801	02AX2614F2	FILTER, LINE AC	ESD-R-25D-B1		
L851	021673150K	COIL	15	UH	
L951	021JA6100K	COIL	10	UH	
L952	021JA6100K	COIL	10	UH	
L953	021JA6100K	COIL	10	UH	
L954	021JA6101K	COIL	100	UH	
L955	021JA68R2K	COIL	8.2	UH	
L956	03302R0028	COIL, CHROMA	302R002		
L957	03352R0126	COIL, CHROMA	352R012		
L958	0335000098	COIL, MATCHING	3500009		
L960	021673391K	COIL	390	UH	
L961	021673391K	COIL	390	UH	
T101	040530001Z	REMOCON TRANS	0530001		
T401	0450190051	TRANS., HORIZONTAL DRIVE	019005		
T501	0481420325	CONVERTER TRANS	8142032		
JACKS					
J351	0602131001	JACK, RCA 3.5	HSJ0918-01-040		
J352	063P000047	PUSH, TERMINAL	T-6000C		
J701	0632000055	JACK, PLATE	JXT0905-010110		
J702	0622740004	JACK, S-VHS	TCS7927-14		
J705	0632100014	SOCKET, 21PIN	HXC1524-01-010		
J801	0662130010	SOCKET, CRT	HPS2360-01-020		
SWITCHES					
SW105	0504201T30	SWITCH, TACT	SKHVLH006B		
SW106	0504201T30	SWITCH, TACT	SKHVLH006B		
SW107	0504201T30	SWITCH, TACT	SKHVLH006B		
SW108	0504201T30	SWITCH, TACT	SKHVLH006B		
SW110	0504201T30	SWITCH, TACT	SKHVLH006B		
SW111	0504201T30	SWITCH, TACT	SKHVLH006B		
SW351	0500201022	SWITCH, PUSH	SPUN12519A		
SW352	0500201021	SWITCH, PUSH	SPUP19037A		
SW401	0510B22001	SWITCH, SLIDE	SS-22F16G7		
SW501	0530102008	SWITCH, PUSH	ESB-76937A		
VARIABLE RESISTORS					
VR031	V126315B03	VR, SEMIFIXED	RH0624C15JOE		
VR032	V1163U3BT6	VR, SEMIFIXED	EVNDXAA03B53		
VR033	V1163Q5BT6	VR, SEMIFIXED	EVNDXAA03BQ5		
VR034	V116315BT6	VR, SEMIFIXED	EVNDXAA03B15		
VR201	V116314BT6	VR, SEMIFIXED	EVNDXAA03B14		
VR401	V1263Q4B03	VR, SEMIFIXED	RH0624CS4JOA		
VR402	V1163H4BT6	VR, SEMIFIXED	EVNDXAA03BE4		
VR471	V1163L3BT6	VR, SEMIFIXED	EVNDXAA03BY3		
VR472	V1163L3BT6	VR, SEMIFIXED	EVNDXAA03BY3		
VR602	V1163L4BT6	VR, SEMIFIXED	EVNDXAA03B13		
VR612	V126213B01	VR, SEMIFIXED	EVNDXAA03BY4		
VR613	V029200005	VR, SEMIFIXED	RH0614C13JOB		
VR614	V1262Q3B01	VR, ROTARY	RK09K1110		
VR901	V116313BT6	VR, SEMIFIXED	RH0614CS3J09		
VR951	V116314BT6	VR, SEMIFIXED	EVNDXAA03B14		
VR952	V126316B03	VR, SEMIFIXED	RH0624C16J		
VR953	V126314B03	VR, SEMIFIXED	RH0624C14J0D		
VR954	V1163H3BT6	VR, SEMIFIXED	EVNDXAA03BE3		
VR955	V116313BT6	VR, SEMIFIXED	EVNDXAA03B13		
P.C. BOARDS ASS'Y					
PCB001	A3A201A01A1	PCB ASS'Y	TM0186-1		
PCB003	A3A201A11A	PCB ASS'Y	TC0134		
PCB005	A3A201A18A	PCB ASS'Y	TE0641		
PCB006	A3A201A03A	PCB ASS'Y	TE0717		
PCB008	A3A201A29A	PCB ASS'Y	TE0640		
PCB009	A3A201A32A	PCB ASS'Y	TE0642		
PCB010	A3A201A02A	PCB ASS'Y	TE0614		
PCB011	A3A201A09A	PCB ASS'Y	TE0629		
PCB015	A3A201A14A	PCB ASS'Y	TE0645		
PCB016	A3A201A15A	PCB ASS'Y	TE0479		
PCB017	A3A201A28A	PCB ASS'Y	TE0644		
MISCELLANEOUS					
B401	0246451652	CORE, BEADS	BF25-4.5*5*1.6		
B402	0246451652	CORE, BEADS	BF25-4.5*5*1.6		
B501	024JT03551	CORE, BEADS	FBA04HA450AB-00		
B504	024JT03551	CORE, BEADS	FBA04HA450AB-00		
B505	024JT03551	CORE, BEADS	FBA04HA450AB-00		
B506	024JT03551	CORE, BEADS	FBA04HA450AB-00		
B507	024JT03551	CORE, BEADS	FBA04HA450AB-00		
B508	024JT03551	CORE, BEADS	FBA04HA450AB-00		
BT001	141T004003	BATTERY, MANGAN	UM-4		
BT002	141T004003	BATTERY, MANGAN	UM-4		
CD001	068WB90001	CORD, COAXIAL	8WB90001		
CD002	068123019A	CORD, CONNECTOR	8123019A		
CD110	068122018A	CORD, CONNECTOR	8122018A		
CD112	068124026A	CORD, CONNECTOR	8124026A		
CD351	068D14244A	CORD, CONNECTOR	8D14244A		
CD354	068D090001	CORD, CONNECTOR	8DG09001		
CD355	068D090001	CORD, CONNECTOR	8DG09001		
CD401	068M84001A	CORD, CONNECTOR	068M84001A		
CD404	06831A035A	CORD, CONNECTOR	831A035A		
CD471	068M15111A	CORD, CONNECTOR	8M15111A		
CD472	068W52007A	CORD, CONNECTOR	8W52007A		
CD501	1201650001	CORD, AC	01650001		
CD504	068M46007B	CORD, CONNECTOR	8M46007B		
CD508	068M01309A	CORD, CONNECTOR	8M01309A		
CD509	068122013B	CORD, CONNECTOR	8122013B		
CD510	068D82015A	CORD, CONNECTOR	8D82015A		
CD705	068126029A	CORD, CONNECTOR	8126029A		
CD706	068125031A	CORD, CONNECTOR	8125031A		
CD801	127A260002	BRAIDED WIRE	SH-1869		
CD802	068318070A	CORD, CONNECTOR	8318070A		
CD803	068M15120A	CORD, CONNECTOR	8M15120A		
CD805	068M12202A	CORD, CONNECTOR	8M12202A		
CD806	068M12333A	CORD, CONNECTOR	8M12333A		
CD808	068M12334A	CORD, CONNECTOR	8M12334A		
CF001	116F3TH4Z1	FILTER, EMI	LTSTF223ZBTB		
CF002	116F3TH4Z1	FILTER, EMI	LTSTF223ZBTB		
CF003	116F3TH4Z1	FILTER, EMI	LTSTF223ZBTB		
CF031	101205R504	FILTER, CERAMIC	SFT5.5MA		
CF032	101205R743	FILTER, CERAMIC	SFT5.74MA		
CF201	1027038R95	FILTER, SAW	F1037B		
CF202	1012T5R503	FILTER, CERAMIC TRAP	TPS5.5MB-TF20		
CF203	1022133R42	FILTER, SAW	SAF33.4MC70Z		
CF351	11624223S3	FILTER, EMI	DSS310-55DL223S		
CF352	11624223S3	FILTER, EMI	DSS310-55DL223S		
CF353	11624223S3	FILTER, EMI	DSS310-55DL223S		
CF354	11624223S3	FILTER, EMI	DSS310-55DL223S		
CF701	116T4271K1	FILTER, EMI	LTSTB271K8TB		
CF702	116T4271K1	FILTER, EMI	LTSTB271K8TB		
CF703	1011A4R401	CERAMIC TRAD	EFC4434BF		
CP101	069R2A0359	CONNECTOR PCB SIDE	5550-10E		
CP102	069R280359	CONNECTOR PCB SIDE	5550-08E		
CP103	069Q150179	CONNECTOR PCB SIDE	CPB1805-0101		
CP104	069R250359	CONNECTOR PCB SIDE	5550-05E		

ELECTRICAL REPLACEMENT PARTS LIST

REF. NO	PART NO	DESCRIPTION
MISCELLANEOUS (CONT)		
CP105	069R2A0359	CONNECTOR PCB SIDE 5550-10E
CP106	069R2A0359	CONNECTOR PCB SIDE 5550-10E
CP110	0694240274	CONNECTOR PCB SIDE 4-175487-4
CP111	0694260129	CONNECTOR PCB SIDE 173981-6
CP112	0694240129	CONNECTOR PCB SIDE 173981-4
CP271	069Q140179	CONNECTOR PCB SIDE CPB1804-0101
CP272	069H150209	CONNECTOR PCB SIDE 1LG5P-S3L-PCB-S
CP351	0694140019	CONNECTOR PCB SIDE 171825-4
CP401	069D340018	CONNECTOR PCB SIDE TS-80P-04-V1
CP404	069X1A0109	CONNECTOR PCB SIDE B10B-EH
CP405	069Z010010	CONNECTOR PIN CENTER RT-01N-2.3A
CP471	0694150019	CONNECTOR PCB SIDE 171825-5
CP472	069X520019	CONNECTOR PCB SIDE 82P-VH
CP501	0694430100	CORD.UX CONNECTOR 2-173270-3
CP503	069D420029	CONNECTOR PCB SIDE TV-50P-02-A1
CP504	069M460029	CONNECTOR PCB SIDE TV-50P-06-A1
CP508	069D01001A	CONNECTOR PCB SIDE 003P-2100
CP509	0694220129	CONNECTOR PCB SIDE 173981-2
CP510	069D330018	CONNECTOR PCB SIDE TS-80P-03-V1
CP701	069Q1A0179	CONNECTOR PCB SIDE CPB1810-0101
CP702	069H190209	CONNECTOR PCB SIDE 1LG9P-S3L-PCB-S
CP703	069H1A0209	CONNECTOR PCB SIDE 1LG10P-S3L-PCB-S
CP705	0694260129	CONNECTOR PCB SIDE 173981-8
CP706	0694250129	CONNECTOR PCB SIDE 173981-5
CP801	069D330018	CONNECTOR PCB SIDE TS-80P-03-V1
CP802	069X180190	CONNECTOR PCB SIDE 88B-EH-A-B
CP803	069X150190	CONNECTOR PCB SIDE 85B-EH-A-B
CP804	0694130010	CONNECTOR PCB SIDE 2-171825-3
CP805	0694120010	CONNECTOR PCB SIDE 2-171825-2
CP806	069D010010	CONNECTOR PCB SIDE 005P-2100
CP851	069Q180179	CONNECTOR PCB SIDE CPB1808-0101
CP852	069H170209	CONNECTOR PCB SIDE 1LG7P-S3L-PCB-S
CP951	069H170209	CONNECTOR PCB SIDE 1LG7P-S3L-PCB-S
CP952	069Q160179	CONNECTOR PCB SIDE CPB1806-0101
CP953	069H170209	CONNECTOR PCB SIDE 1LG7P-S3L-PCB-S
DL602	103S0R6501	DELAY LINE ELT-10Z265N
DL951	104114R43G	DELAY LINE GLASS EFDEN645A31F
F501	0808T04002	FUSE 4 A 250V
FB401	0432270042	TRANSFORMER,FLAYBACK 3227004
FH501	06760T0001	HOLDER FUSE PFC5000-0202
FH502	06760T0001	HOLDER FUSE PFC5000-0202
ICP501	084E03R101	IC PROTECTOR PRF-3150
ICP502	084702R702	IC PROTECTOR ICP-N75
MS401	128F000003	MICA SHEET 1S-3MPC
MS501	1283200020	SILICON SHEET 3200020
OS101	077S012001	REMOTE RECEIVER SPS-420-1
RY101	0560710103	RELAY G5R-1112P-OR
SP351	070A166001	SPEAKER CS1606T5106D-N
SP352	070A166001	SPEAKER CS1606T5106D-N
TC851	0100514005	C.CERAMIC TRIMMER TZ03R300YR
TH501	D8R0F140M0	DEGAUSS ELEM. PTH451C262BF140M270
TM001	0760013010	TRANSMITTER EUR-531103
TU001	0145611007	TUNER UHF-VHF TERE7-012A
V801	098U260602	COLOR PICTURE TUBE A66ECF10X01
X101	1003T4R001	CERAMIC OSCILLATOR KBR-4.0MSTF
X251	1003R50001	CERAMIC OSCILLATOR KBR-500AH2
X401	1002R50004	CERAMIC OSCILLATOR CSB500F9
X601	10064R4306	CRYSTAL HC-49/U 4433.619KHZ
X850	100613R801	CRYSTAL HC49/U 13.875MHZ
X851	10056R0001	CRYSTAL NR-18 6.0MHZ
X951	100D4R2501	CRYSTAL 4R2501

RESISTOR

RC.....CARBON RESISTOR

CAPACITORS

CC.....CERAMIC CAPACITOR
 CE.....ALUMI ELECTROLYTIC CAPACITOR
 CP.....POLYESTER CAPACITOR
 CPP.....POLYPROPYLENE CAPACITOR
 CPL.....PLASTIC CAPACITOR
 CMP.....METAL POLYESTER CAPACITOR
 CMPL.....METAL PLASTIC CAPACITOR
 CMPP.....METAL POLYPROPYLENE CAPACITOR
 CST.....STYROL CAPACITOR

