


SONY TRINITRON® COLOR TV KV-2730EC / RM-635

EC Model

Chassis No. SCC-660E-A

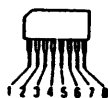
RX CHASSIS

SAFETY-RELATED COMPONENT WARNING !!

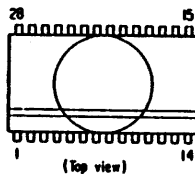
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

● Semiconductor Lead Layouts

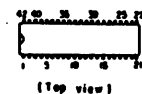
CX20061



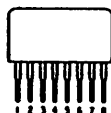
CX20199



CX523-113P



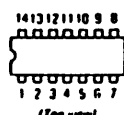
HIC2110



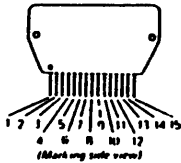
LA7920
TA7357AP



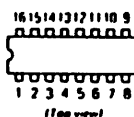
M58657P
TDA4944
TDA4445F
μPC1394C



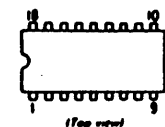
STK4362



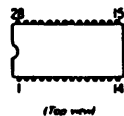
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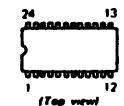
TDA2646A
TDA2579
TDA4429T



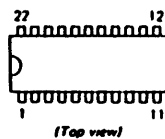
TDA3562A



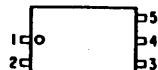
TDA3590A-N8



TDA4940



TLP581



μPC4558C



2SA1048-GR
2SC403SP
2SC2458
DTC124ES
DTC144ES



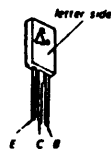
2SA1091
2SC2551
2SC945TP
BF199
JA101TP
JC501TP



2SA1175TP
2SC2785TP



2SA1220A
2SC2611
2SC2688
2SC268



2SA773-14
2SC1475



2SB734
2SC2958
2SD774



2SC2009



2SD795A



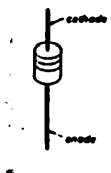
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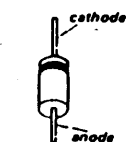
S6344G



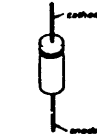
1SS119TD
1SS133T
1SS168



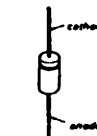
IS1555
EQA02-07DV3
EQA02-12BV3
ERD28-06S
RD12E-B2
RD30E-B4
RD5,6E-B2
RD6,2E-N2
RD6,8E-N3



IT261TP



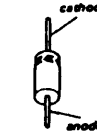
ESIF
GP08B
RGP10G
RGP15J



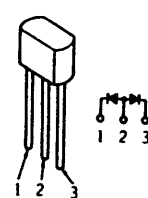
ERC25-16S
ERC26-15S



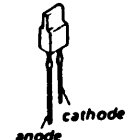
ERD29-08J



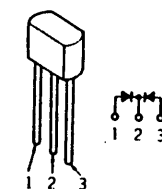
MC911TP



GL-9PR24



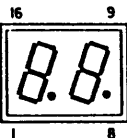
MC921



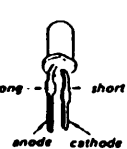
RB406N



SL1274



TLG124A
TLY124

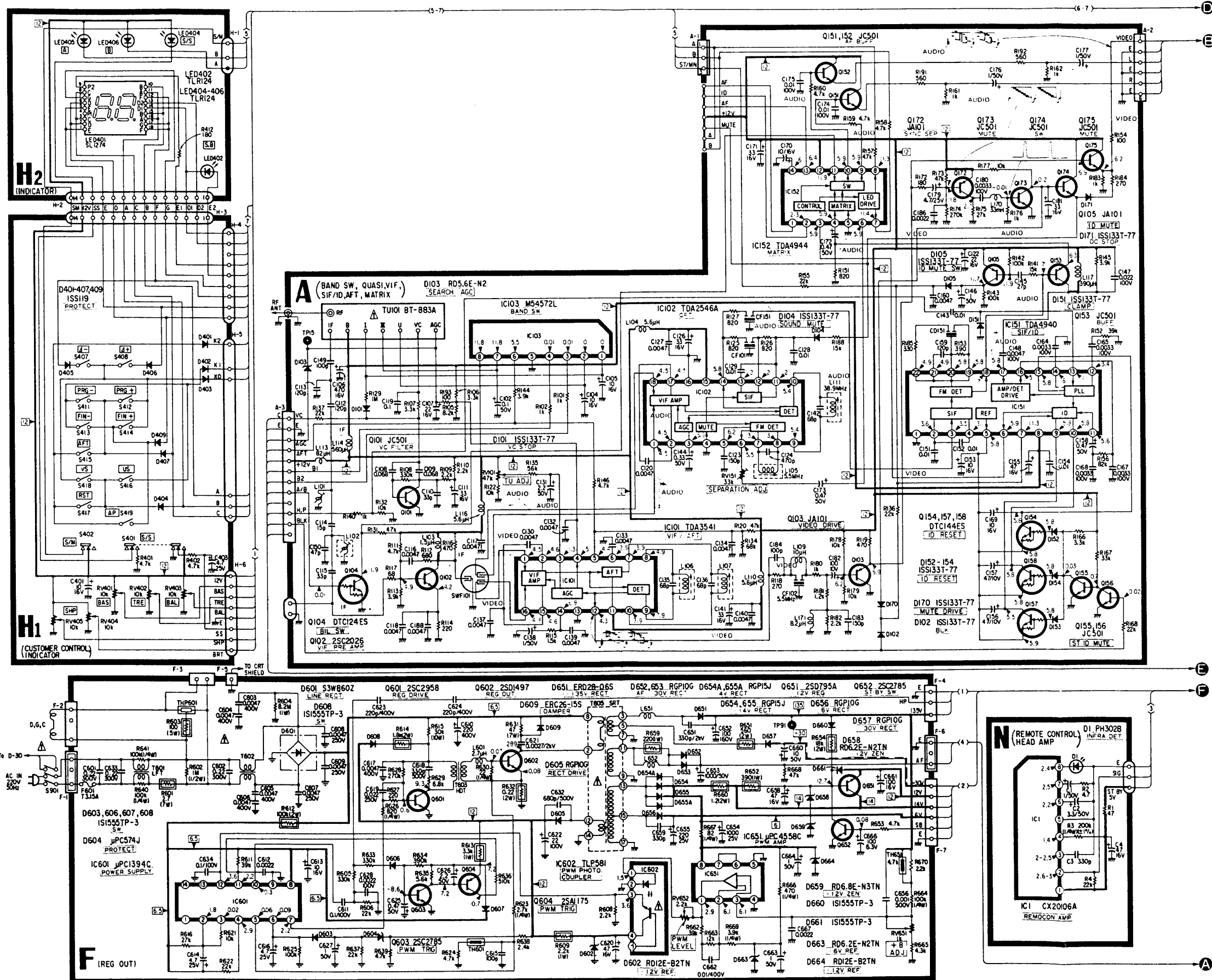


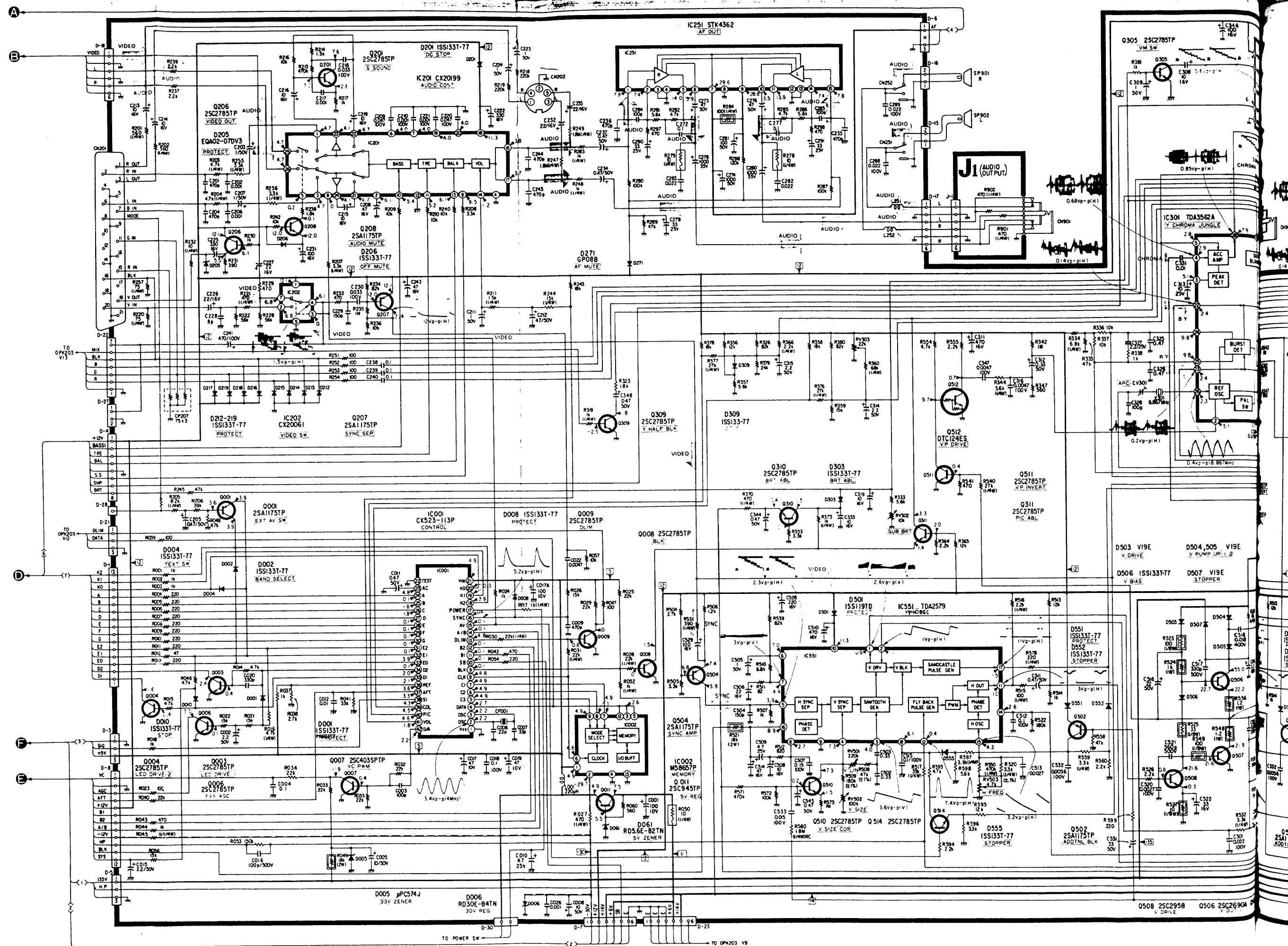
V19E

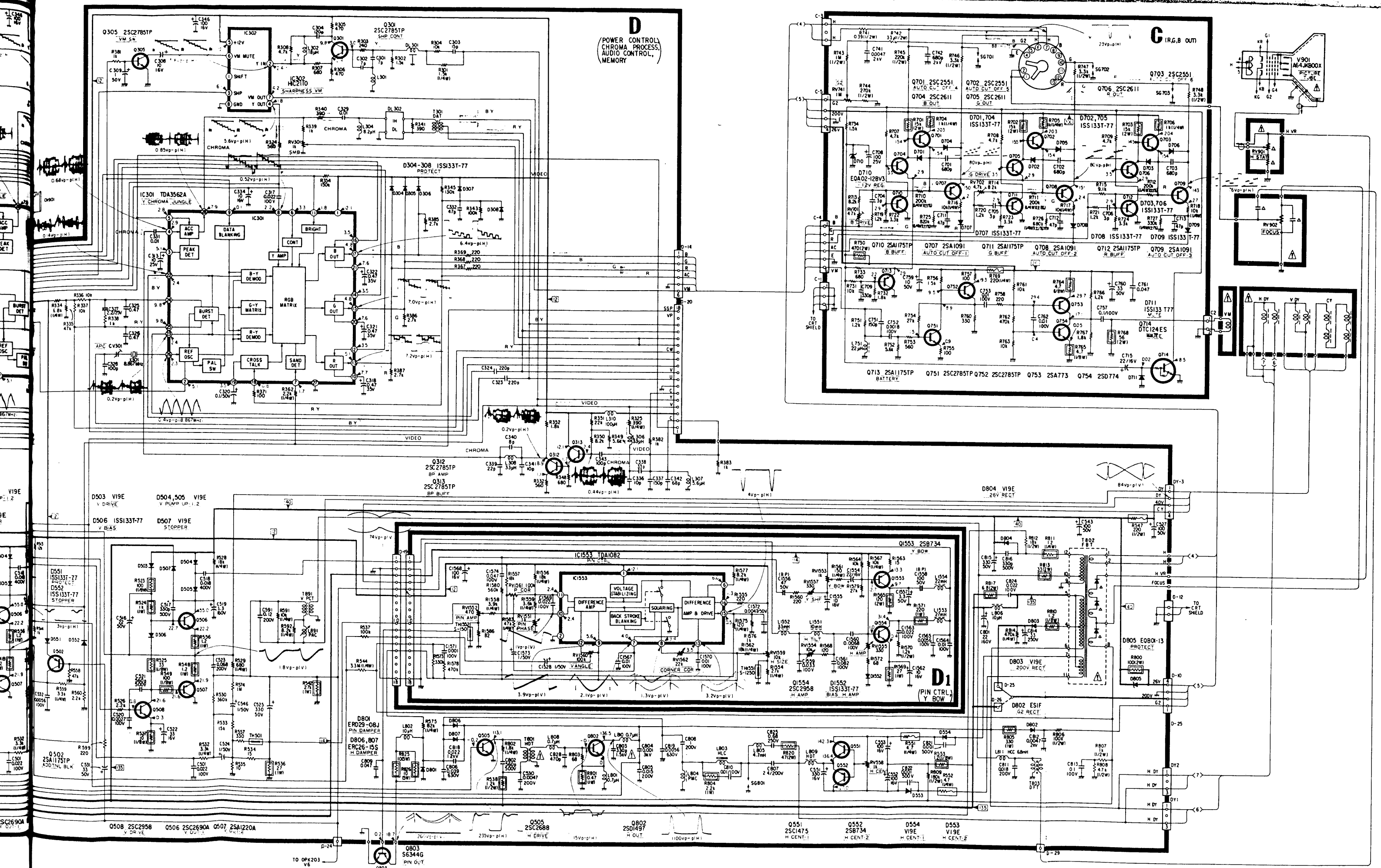


μPC574J









D
(POWER CONTROL,
CHROMA PROCESS,
AUDIO CONTROL,
MEMORY)

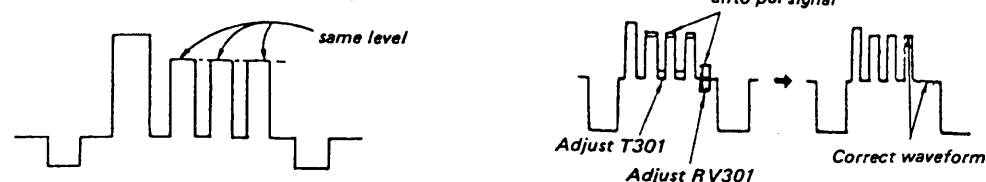
C (R.G.B. OUT)

D1
(PIN CTRL)
Y BOW

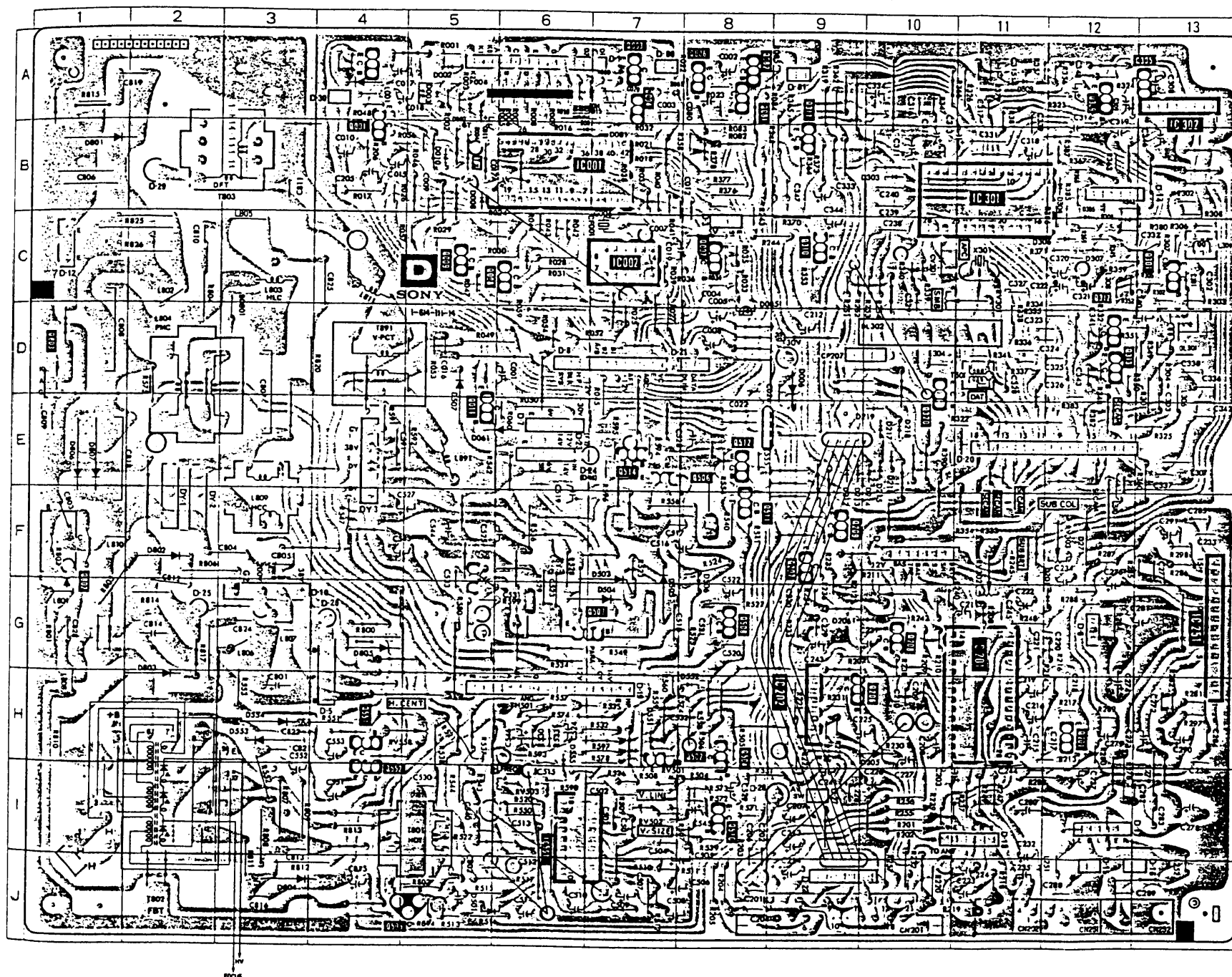
Note: All mounting diagrams are viewed from conductor side.

IH DL ADJUSTMENT T301 = D-11, RV301 = C-11

1. Receive a color bar signal.
2. Set the PICTURE control at Norm, COLOR control at minimum and BRIGHTNESS Control to Mechanical center.
3. Connect an Oscilloscope at pin (17) of IC301
4. Adjust RV303 so that same level as shown.

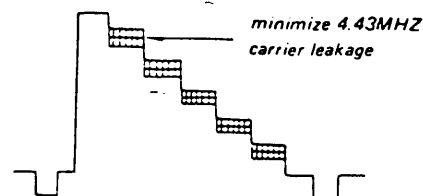


POWER CONTROL,
CHROMA PROCESS,
AUDIO CONTROL, MEMORY



4.43 MHZ TRAP ADJUSTMENT L301= C-13

1. Receive a Color bar signal.
2. Each controls at normal*
3. Short circuit between pin (2) and pin (3) of IC301 with a jumper.
4. Connect Resistor (100K Ω /¼W) between pin (24) and pin (25).
5. Adjust CV301 to obtain the stable color picture.
6. Disconnect the Resistor and jumper.



H. FREQ ADJUSTMENT	RV503=1-6
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1. Receive a dot signal.
2. Set the BRIGHTNESS control at mechanical center.
3. Connect an Digital multi-meter at pin (11) of IC301
4. Adjust to $2.0 \pm 0.2V$ with RV302.
1. Tune in an off-air signal.
2. Set PICTURE and BRT controls to initial state.
3. Connect a $10\mu F$ 50V chemical capacitor between IC551 pin (5) and ground, and set H osc for free run.
4. Adjust RV503 so that picture flowing in horizontal direction stops.
5. Reconnect a chemical capacitor from IC551.

[illegible]

SIF L105 = D-5

TU AGC RV101 = C-3

SEPARATION ADJ RV151 = C-7

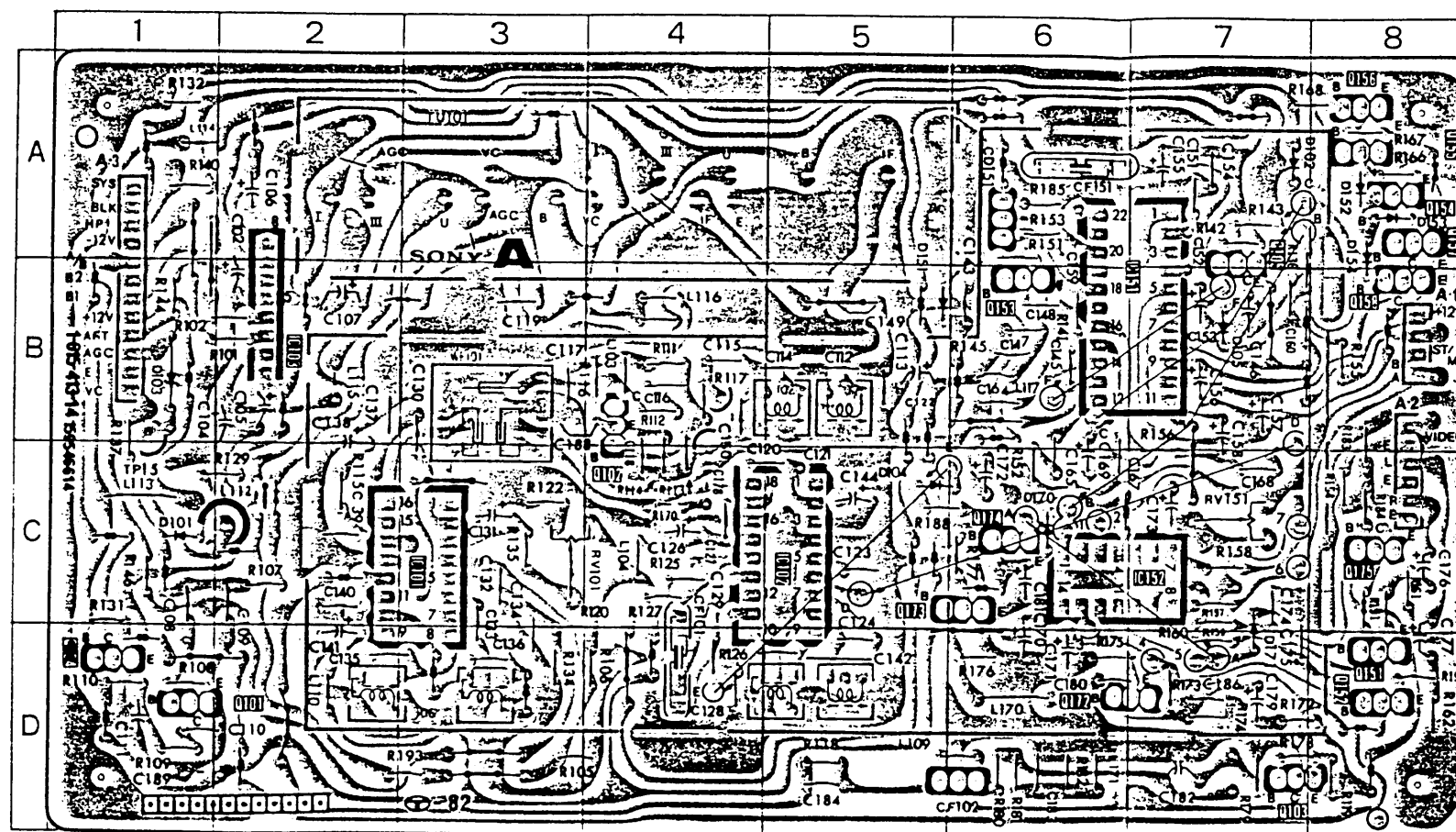
A

BAND SW, QUASI, SIF/ID,
VIF, AFT, MATRIX,

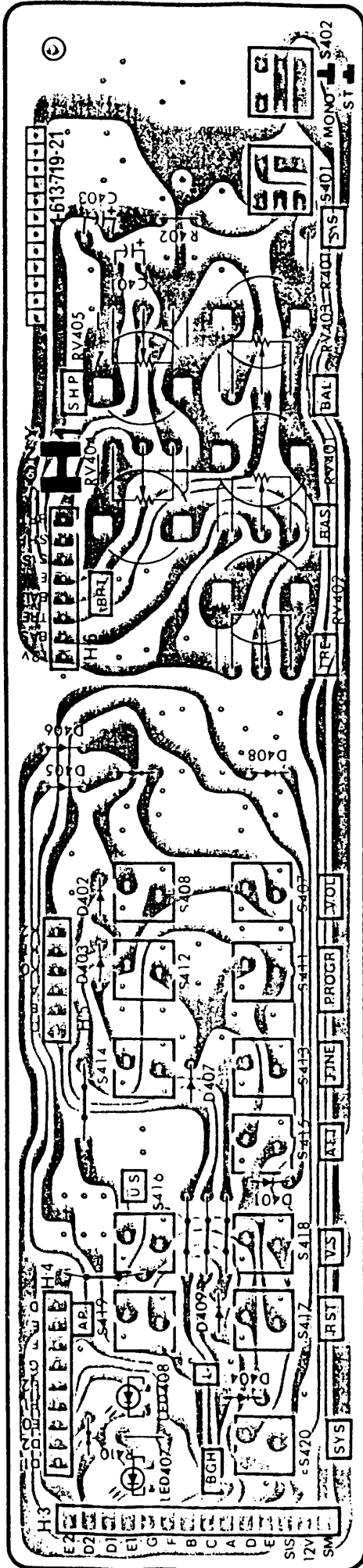
1. Tune in an off-air signal.
2. Adjust L105 for maximum clear-sound.

1. Tune in an off-air signal.
2. Adjust RV101 so that snow noise and cross-modulation disappear from the picture.

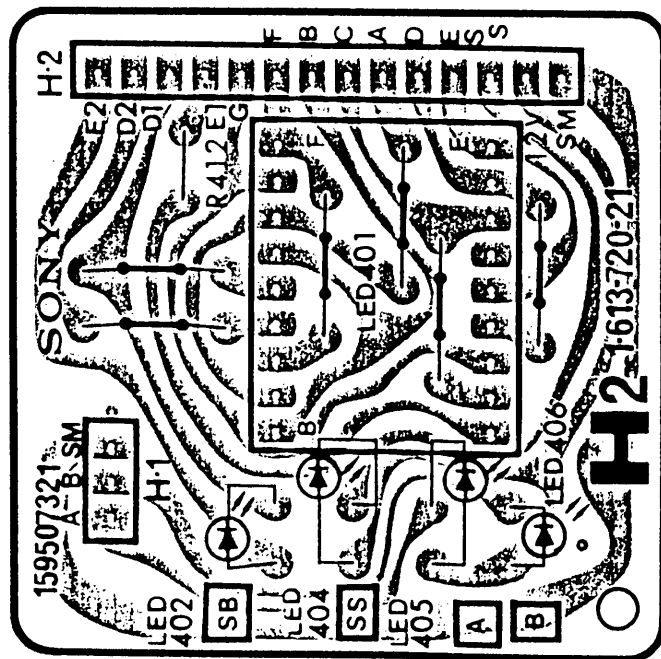
1. Receive a stereo signal (L-CH 1kHz, R-CH 400Hz) from a television multiplex modulator.
2. Adjust RV151 for minimum crosstalk from R-CH to L-CH.



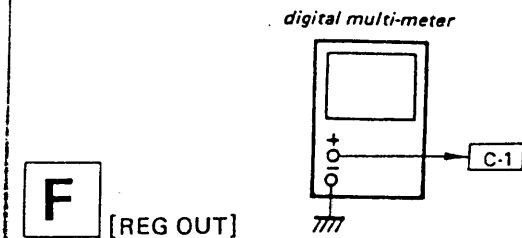
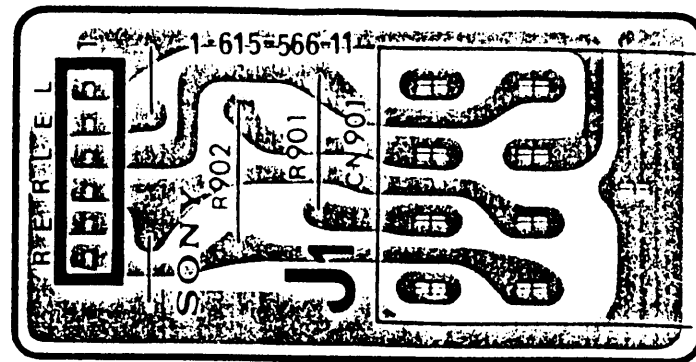
CONNECTOR		C140 C-2 C141 D-2 C142 D-5 C143 B-6 C144 C-5	DISCRIMINATOR		L111 D-5 L113 C-1 L114 A-1 L116 B-4 L117 B-6	R116 B-3 R117 B-4 R118 D-5 R119 D-8 R120 C-3	R177 C-6 R178 D-9 R179 D-7 R180 D-6 R181 D-6
CAPACITOR		C145 B-6 C146 B-7 C147 B-6 C148 B-6 C149 B-5	CD151 A-6		FILTER		R182 D-6 R183 B-8 R184 C-8 R185 A-6 R188 C-5
		C150 B-4 C151 A-7 C152 A-7 C153 B-7 C154 A-7	CF101 D-4 CF102 D-6 CF151 A-6 SWF101 B-3		TRANSISTOR		R191 C-8 R192 D-8 R193 D-3
		C155 A-7 C156 B-7 C157 B-7 C158 B-7 C159 B-6	DIODE		Q101 D-1 Q102 B-4 Q103 D-7 Q104 D-1 Q105 A-7	R131 C-1 R132 A-1 R134 D-3 R135 C-3 R136 A-7	VARIABLE RESISTOR
		C160 B-7 C164 B-6 C165 C-6 C167 C-6 C168 C-7	D101 C-1 D102 A-7 D103 B-1 D104 C-5 D105 B-7		Q151 D-8 Q152 D-8 Q153 B-6 Q154 A-8 Q155 A-8	R137 B-1 R140 A-1 R141 B-6 R142 A-7 R143 A-7	
		C169 C-6 C170 D-6 C171 D-6 C172 C-6 C173 C-7	D151 B-5 D152 A-8 D153 A-8 D154 A-8 D170 C-6		Q156 A-8 Q157 A-8 Q158 B-8 Q172 D-6 Q173 C-6	R144 B-1 R145 B-6 R146 C-1 R151 A-6 R152 C-6	TUNER
		C174 C-7 C175 D-7 C176 C-8 C177 D-8 C179 D-7	D171 C-7		Q174 C-6 Q175 C-8	R153 A-6 R154 C-8 R155 B-8 R156 B-7 R157 C-7	
		C180 D-6 C181 C-6 C182 D-7 C183 D-6 C184 D-5	IC		RESISTOR		
		C186 D-7 C188 B-3 C189 D-1	IC101 C-3 IC102 C-5 IC103 B-2 IC151 B-6 IC152 C-7		R101 B-2 R102 B-2 R105 D-3 R106 D-4 R107 C-2	R158 C-7 R159 C-7 R160 C-7 R161 C-8 R162 D-8	
		C186 D-7 C188 B-3 C189 D-1	COIL		R108 D-1 R109 D-1 R110 D-1 R111 B-4 R112 B-4	R166 A-8 R167 A-8 R168 A-8 R172 D-7 R173 D-7	
		L101 B-5 L102 B-5 L103 B-4 L104 C-4 L105 D-5	L106 D-2 L107 D-3 L109 D-6 L110 D-2	R113 C-4 R114 C-4 R115 C-2	R174 D-7 R175 D-6 R176 D-6		

[CUSTOMER CONTROL,
INDICATOR]

[INDICATOR]



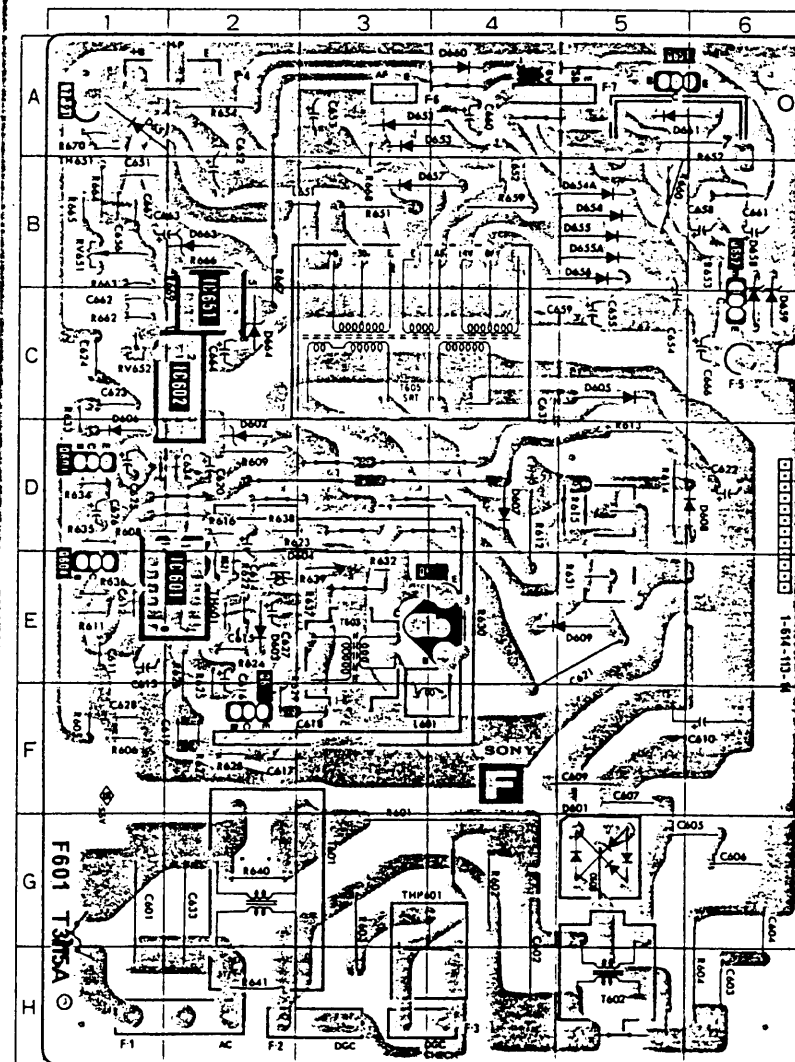
[AUDIO
OUTPUT]



+135V and PWM LEVEL ADJUSTMENT

RV651 - B-1, RV652 - C-1

1. Adjust RV651 so that the digital multimeter (A) reading is $+135V \pm 0.5VDC$.
2. Adjust RV652 so that the digital multimeter (B) reading is $+3.0V \pm 0.1VDC$.



CAPACITOR		DIODE		TRANSISTOR			
C601	G-1	D601	G-5	0601	E-2	R660	B-5
C602	H-4	D602	D-2	0602	E-4	R662	C-1
C603	G-6	D603	E-2	0603	D-1	R663	B-1
C604	G-6	D604	E-2	0604	E-1	R664	B-1
C605	G-6	D605	C-5	0651	A-5	R665	B-1
C606	G-6	D606	D-1	0652	B-6	R666	B-2
C607	F-5	D607	D-4			R667	B-2
C608	G-5	D608	D-6			R668	B-3
C609	F-5	D609	E-5			R669	C-1
C610	F-6	D651	A-1			R670	A-1
				RESISTOR			
C611	E-1	D652	A-3	R601	G-3	VARIABLE RESISTOR	
C612	E-1	D653	A-3	R602	G-4		
C613	E-1	D654	B-5	R603	G-3	RV651	B-1
C614	E-2	D654A	B-5	R604	H-6	RV652	C-1
C615	E-2	D655	B-5	R605	F-1		
						TRANSFORMER	
C616	E-5	D655A	B-5	R606	F-1		
C617	F-2	D656	B-5	R608	D-1	T601	G-2
C618	F-3	D657	B-3	R609	D-2	T602	H-5
C619	F-2	D658	C-6	R611	E-1	T603	E-3
C620	D-2	D659	C-6	R612	D-4	T605	C-3
						THERMISTOR	
C621	F-5	D660	A-4	R613	D-5		
C622	D-6	D661	A-5	R614	D-5	TH601	E-2
C623	C-1	D663	B-2	R615	O-5	TH651	A-1
C624	C-1	D664	C-2	R616	D-2	THP601	G-3
C625	D-1			R621	E-2		
		CONNECTOR		R622	E-2		
C626	D-1			R623	D-2		
C627	E-2	F1	H-1	R624	E-2		
C628	F-1	F2	H-2	R625	E-2		
C632	C-4	F3	H-4	R626	E-2		
C633	G-2	F4	A-2				
		F6	A-3	R627	F-2		
C634	D-2			R628	F-2		
C651	B-1	F7	A-5	R629	F-2		
C652	B-2			R630	E-4		
C653	A-3			R631	E-5		
C654	C-5						
		FUSE		R632	E-3		
C655	C-5			R633	C-1		
C656	B-1	F601	G-1	R634	D-1		
C658	B-6			R635	D-1		
C659	C-4			R636	E-1		
C660	A-4						
		IC		R637	E-3		
C661	B-6	IC601	E-2	R638	D-2		
C662	C-1	IC602	C-2	R639	E-3		
C663	B-1	IC651	C-2	R640	G-2		
C664	C-2			R641	H-2		
C666	C-6						
		COIL		R651	B-3		
C667	B-1	L601	F-3	R652	A-6		
		L651	B-3	R653	B-6		
		L652	B-4	R654	A-2		
				R659	B-4		

