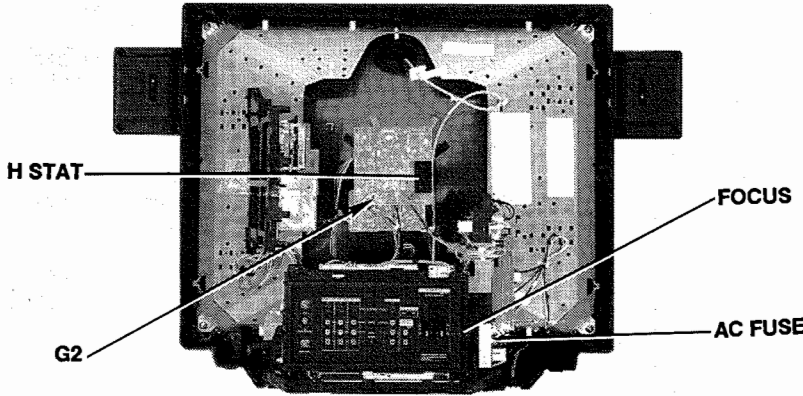


CABINET - REAR VIEW



PHOTOFACT® Technical Service Data

SET 2958

MODELS KV-27XBR55 (CHASSIS SCC-E28A-A)

SONY

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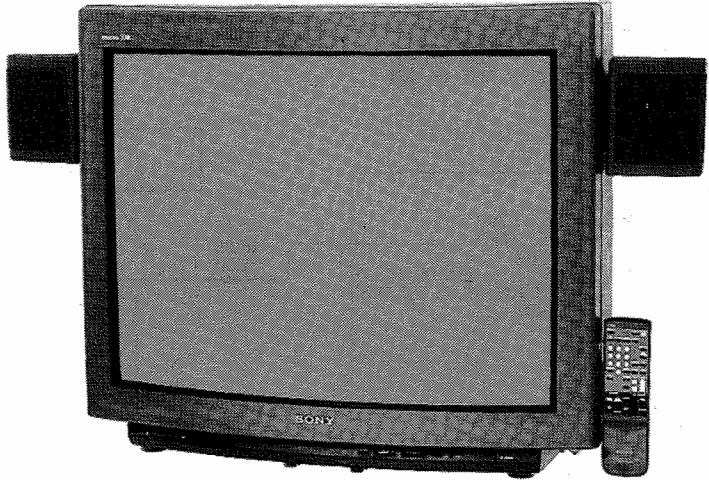
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SONY

Models KV-27XBR55 (Chassis SCC-E28A-A)



Representative Model

Essential coverage
for servicing a television receiver...

- Schematics
- Component locations
- Parts lists

Coverage includes this additional model and chassis:

MODEL	CHASSIS
KV-27XBR51	SCC-E28D-A

The listing of any available replacement part herein in no case constitutes a recommendation, warranty, or guarantee by Howard W. Sams & Company as to the quality and suitability of such replacement part. The numbers of the listed parts have been compiled from information furnished to Howard W. Sams & Company by the manufacturers of the specific type of replacement part listed.

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2647 Waterfront Parkway East Drive, Suite 300
Indianapolis, IN 46214-2012

Printed in the United States of America 5 4 3 2 1



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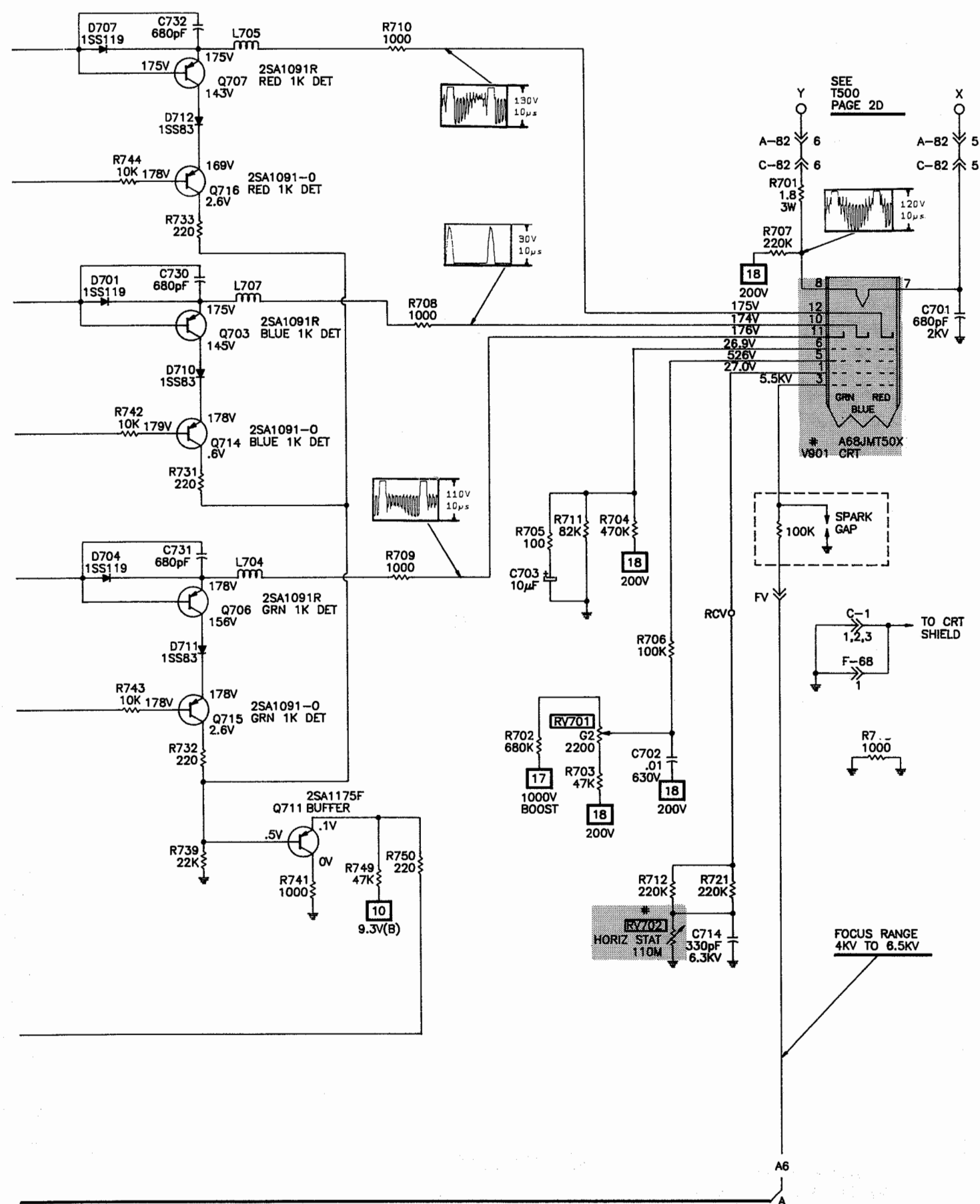


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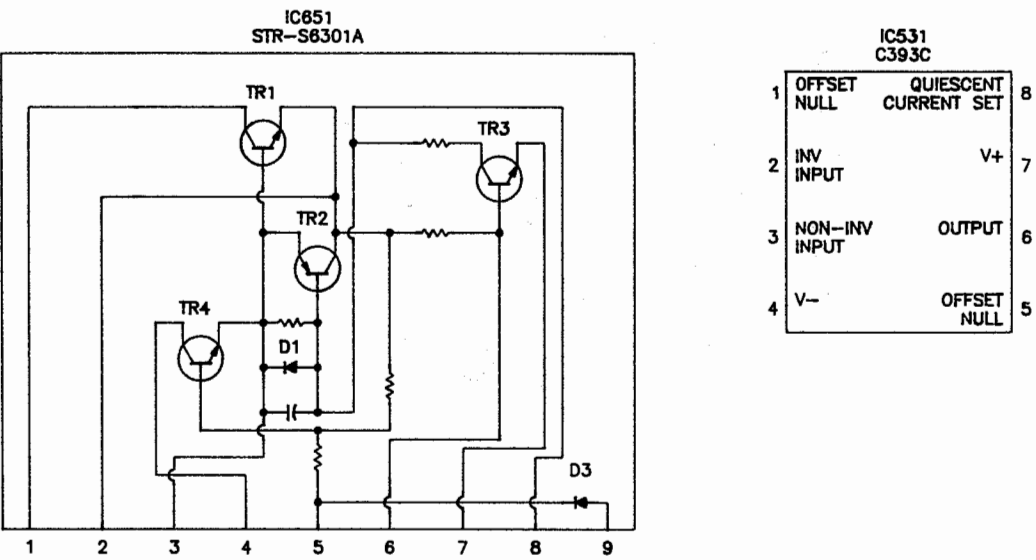
For Supplier Address,
See PHOTOFACT Annual Index


HOWARD W. SAMS & COMPANY
MARCH 1992 SET 2958

CRT SCHEMATIC continued



IC FUNCTIONS

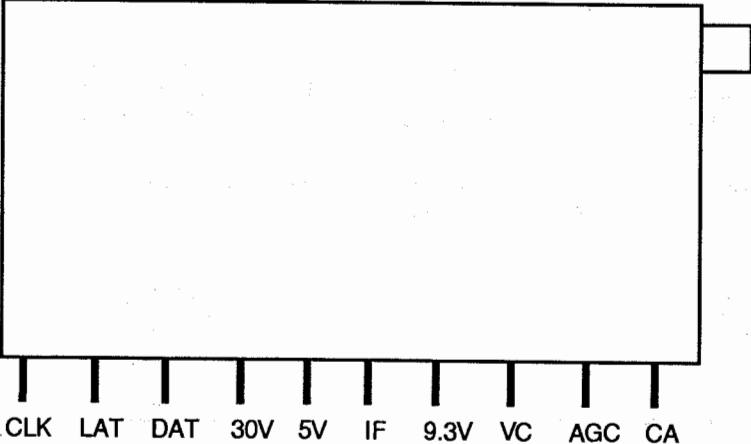


TUNER VOLTAGE CHART

Pin	VHF Low Band	VHF High Band	UHF Band
CLK	4.8V	4.8V	4.8V
LAT	0V	0V	0V
DAT	.1V	.1V	.1V
30V	31.5V	31.5V	31.5V
5V	5.0V	5.0V	5.0V
IF	1.6V	1.6V	1.6V
9.3V	9.3V	9.3V	9.3V
VC	1.8V	13.3V	3.5V
AGC	7.3V	7.3V	7.3V
CA	0V	0V	0V

Note: VHF Low Band voltages taken on channel 2.
VHF High Band voltages taken on channel 7.
UHF Band voltages taken on channel 14.

TUNER TERMINAL GUIDE



SONY
MODELS KV-27XBR55 (CHASSIS SCC-E28A-A)

SAFETY PRECAUTIONS

SERVICE WARNING

ONLY qualified service technicians who are familiar with safety checks and guidelines should perform service work. For continued SAFETY:

1. Before replacing parts, disconnect power source to protect electrostatically sensitive parts.
2. Do not attempt to modify any circuit unless so recommended by the manufacturer.
3. When servicing chassis, use an isolation transformer between the line cord and power receptacle.

SERVICING HIGH VOLTAGE AND PICTURE TUBE

Use EXTREME CAUTION when servicing the High Voltage circuits.

1. To discharge static High Voltage, connect a 10-kilohm resistor in series with a test lead between chassis and picture tube anode lead.
2. DO NOT lift picture tube by the neck.
3. ALWAYS wear shatterproof goggles when handling picture tube to protect eyes in case of implosion.

X-RAY RADIATION AND HIGH VOLTAGE LIMITS

Be aware of the instructions and procedures covering x-ray radiation. In solid-state receivers and monitors, the picture tube is the only potential source of x-rays.

1. Keep an accurate High Voltage meter available at all times. Check meter calibration periodically.
2. Whenever servicing a chassis, check High Voltage at various brightness levels to be sure it is regulating properly.
3. Keep High Voltage at rated value, NO HIGHER. Excessive High Voltage may cause x-ray radiation or failure of associated components. DO NOT depend on protection circuits to keep voltage at rated value.
4. When troubleshooting a set with excessive High Voltage, avoid close contact with picture tube. DO NOT operate set longer than necessary. To locate the cause of excessive High Voltage, use a variable AC transformer to regulate voltage.
5. In present chassis, many electrical and mechanical components have safety-related characteristics which are not detectable by visual inspection. Such components are identified by a # on both the schematic and the parts list. For SAFETY, use only equivalent replacement parts when replacing these components.

SAFETY CHECKS – FIRE AND SHOCK HAZARD

Cold Leakage Checks for Sets with Isolated Ground

1. Unplug the AC cord, connect a jumper across the plug prongs, and turn the power switch ON.
2. Use an ohmmeter to measure the resistance between the jumpered AC plug and any exposed metal cabinet parts such as antenna screw heads, control shafts, or handle brackets. Exposed metal parts with a return path should measure between 200 kilohms and 5 megohms. Parts without a return path must register infinity.

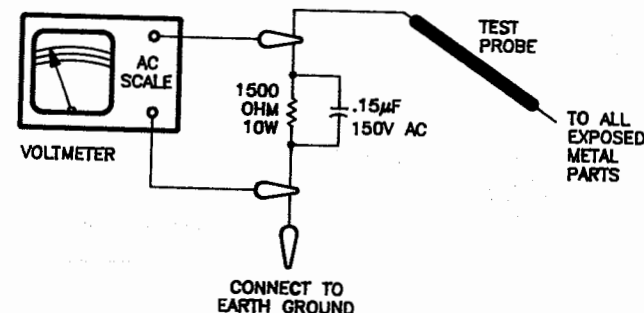
Hot Leakage Current Check

1. Plug the AC cord directly into AC outlet. DO NOT use an isolation transformer.
2. Use a 1500-ohm, 10-watt resistor in parallel with a .15-microfarad 150-volt AC capacitor to connect between any exposed metal parts on the set and a good earth ground. (See figure below.)
3. Use an AC voltmeter with at least 1000 ohms-per-volt sensitivity to measure the voltage across the resistor. Check all exposed metal parts and measure voltage at each point.
4. Voltage readings should not exceed .75 volts RMS (5 milliamps AC). Any value exceeding this limit constitutes a potential shock hazard and must be corrected.
5. If AC plug is not polarized, reverse the AC plug and repeat exposed metal part voltage measurement at each point.

GENERAL GUIDELINES

Perform a final SAFETY CHECK before returning set to customer.

1. Check repaired area for poorly soldered or de-soldered connections, and check entire circuit board for solder splashes.
2. Check inner board wiring for pinched wires or wires contacting any high-wattage resistors.
3. Check that all control knobs, shields, covers, grounds and mounting hardware have been replaced. Be sure to replace all insulators and restore proper lead dress.



TROUBLESHOOTING

PIP VIDEO

Turn on PIP, and check for the proper waveform at the emitter of Det Out Transistor (Q3202).

If the waveform is missing:

Check the voltages, waveforms, and components associated with Q3202, VIF Pack (IF3201), Tuner Control IC (IC3202), and Tuner (TU3201).

If the waveform is present at Q3202, check for the proper waveform at the emitter of Video Buffer Transmitter (Q3801).

If the waveform is missing at the emitter of Q3801:

Check the voltages, waveforms, and components associated with Q3801, Video Switch IC's (IC3801, IC3802), and Video Buffer Transistors (Q3813, Q3826).

If the waveform is present at Q3801, check for the proper waveform at the emitter of Y Buffer Transistor (Q3805).

If the waveform is missing at Q3805:

Check the voltages, waveforms, and components associated with Q3805, LPF Transistors (Q3208, Q3817), Y/C Decoder IC (IC3803), Filter Switch-1 Transistor (Q3818), Filter Switch-2 Transistor (Q3827), and Y Buffer Transistor (Q3802).

If the waveform is present at Q3805:

Check the voltages, waveforms, and components associated with Y A/D Convertor IC (IC1107), Y1 Memory IC (IC1105), Y2 Memory IC (IC1106), MPX Control IC (IC1101), Y Buffer Transistors (Q1103, Q3822), Y Hook Up-1 Transistor (Q3823), and Y Hook Up-2 Transistor (Q3820).

PIP CHROMA

Turn on PIP, and check for the proper waveforms at the emitter of B-Y Buffer Transistor (Q3829), and R-Y Buffer Transistor (Q3803).

If the waveforms are missing:

Check the voltages, waveforms, and components associated with Q3803, Q3829, B-Y Buffer Transistor (Q3828), and Y/C Decoder IC (IC3803).

If the waveforms are present at Q3803 and Q3829, check for the proper waveforms at the emitter of B-Y Buffer Transistor (Q1101), and R-Y Buffer Transistor (Q1102).

If the waveforms are missing at Q1101 and Q1102:

Check the voltages, waveforms, and components associated with C-Y Max IC (IC1109), C-Y Buffer Transistor (Q1104), C-Y A/D Convertor IC (IC1108), C-Y Memory IC (IC1104), and MPX Control IC (IC1101).

If the waveforms are present at Q1101 and Q1102:

Check the voltages, waveforms, and components associated with G Buffer Transistor (Q3807), G Matrix Transistor (Q3806), R Buffer Transistor (Q3809), R Matrix Transistor (Q3808), B Buffer Transistor (Q3811), B Matrix Transistor (Q3810).

PIP SYNC

Check for the proper waveform at the base of Sync Buffer Transistor (Q3821).

If the waveform is missing:

Check the voltages, waveforms, and components associated with V Sync Sep Transistor (Q3815), and H Sync Sep Transistor (Q3814).

If the waveform is present at Q3821, check for the proper waveform at pin 2 of Y/C Decoder IC (IC3803).

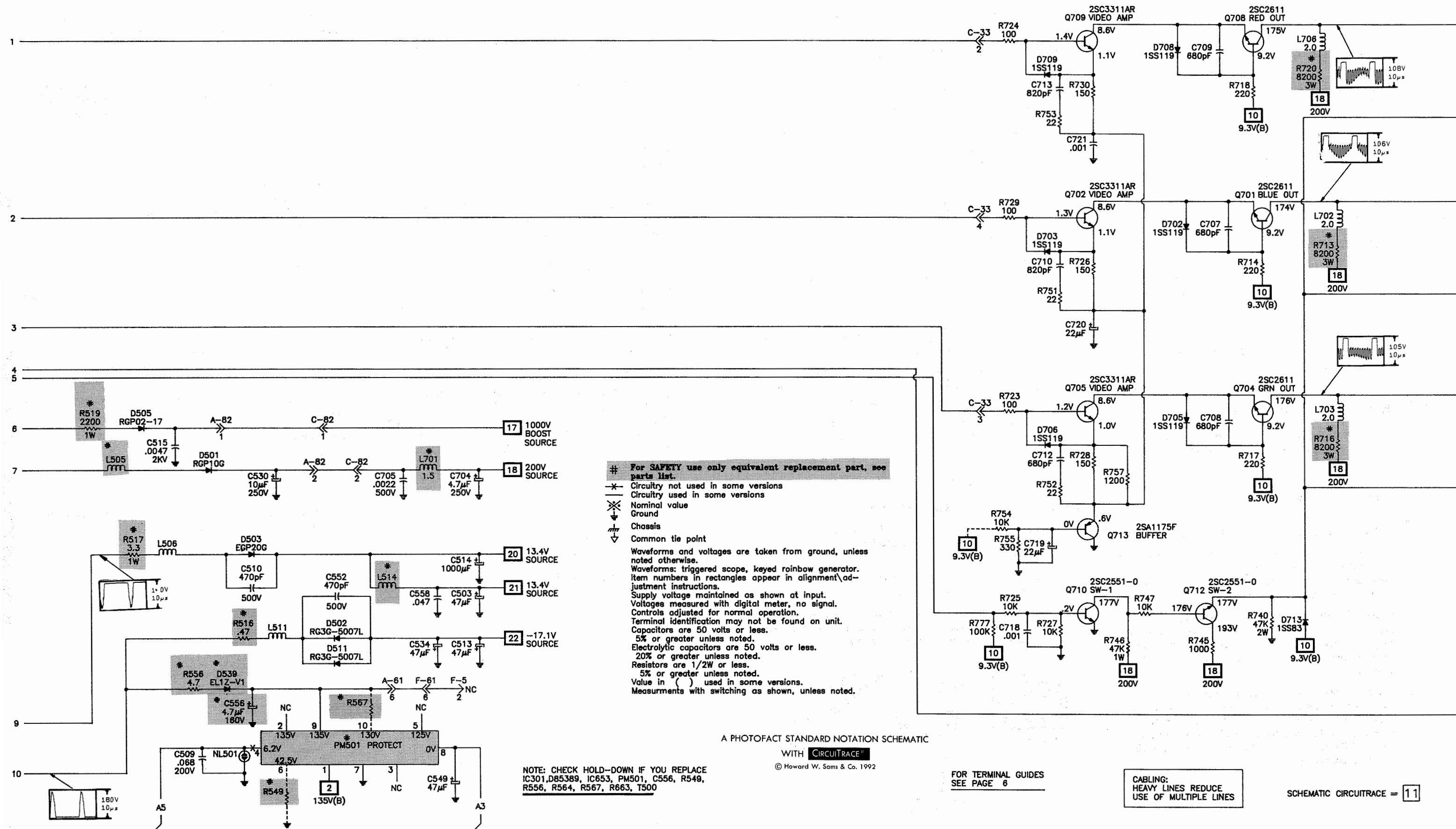
If the waveform is missing at pin 2 of IC3803:

Check the voltages, waveforms, and components associated with Q3821 and IC3803.

If the waveform is present at pin 2 of IC3803:

Check the voltages, waveforms, and components associated with MPX Control IC (IC1101).

CRT SCHEMATIC



PARTS LIST

SEMICONDUCTORS

(Select replacement for best results.)

Item No.	Type No.	Mfr. Part No.	NTE Part No.	ECG Part No.	TCE Part No.
CP111 (11)	RD6.2EB	1-232-680-11	NTE5013A	ECG5013A	SK6A2
D2 (12)	TLR124	8-719-812-41	NTE3007	ECG3007	SK2007
D52 - D53	TLR124	8-719-812-41	NTE3007	ECG3007	SK2007
D54	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D101	RD33ES-B2	8-719-110-78	NTE5036A	ECG5036A	SK33A
D102, 4	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D105	1SV113	8-719-974-81	NTE613	ECG613	SK3326
D112, 14	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D251 - D253	RD18ES-B1	8-719-110-48	NTE5026A	ECG5026A	SK17A
D270	RD5.6ES-B3	8-719-109-90	NTE5011A	ECG5011A	SK5A6
D271	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D301	RD18ES-B1	8-719-110-48	NTE5026A	ECG5026A	SK17A
D302	RD5.6ES-B2	8-719-109-89	NTE5011A	ECG5011A	SK5A6
D303	RD5.1ES-B1	8-719-109-84	NTE5010A	ECG5010A	SK5A1
D304	RD6.8ES-B1	8-719-109-96	NTE5013T1	ECG5013T1	SK9969
D307, 8	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D310	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D311	RD18ES-B1	8-719-110-48	NTE5026A	ECG5026A	SK17A
D350	RD5.6ES-B2	8-719-109-89	NTE5011A	ECG5011A	SK5A6
D401 - D404	RD6.8ES-B2	8-719-109-97	NTE5014A	ECG5014A	SK6A8
D408 - D414	RD6.8ES-B2	8-719-109-97	NTE5014A	ECG5014A	SK6A8
D415 - D417	RD10ES-B2	8-719-110-17	NTE5019A	ECG5019A	SK10A
D418, 19	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D421 - D423	RD6.8ES-B2	8-719-109-97	NTE5014A	ECG5014A	SK6A8
D500	GP08D	-	NTE156	ECG156	SK3051
	U05G	8-719-911-55	NTE5806	ECG5806	SK3848
D501	RGP10G	-	NTE552	ECG552	SK9000
	RU-3AM	8-719-300-33	NTE580	ECG580	SK3318A
D502	RG3G-5007L	8-719-902-85	NTE580	ECG580	SK5036
D503	EGP20G	8-719-979-85	NTE580	ECG580	SK5036
D504	D5KD20H	8-719-500-26	-	-	-
D505	RGP02-17	8-719-976-64	-	-	-
D506	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D507	RGP10G	-	NTE552	ECG552	SK9000
	RU-3AM	8-719-300-33	NTE580	ECG580	SK3318A
D508, 9	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D511	RG3G-5007L	8-719-902-85	NTE580	ECG580	SK5036
D512	FMS-3FU	8-719-311-87	-	-	-
D513 - D515	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100

(11) Three required.
(12) Used in (KV-27XBR51) ONLY.

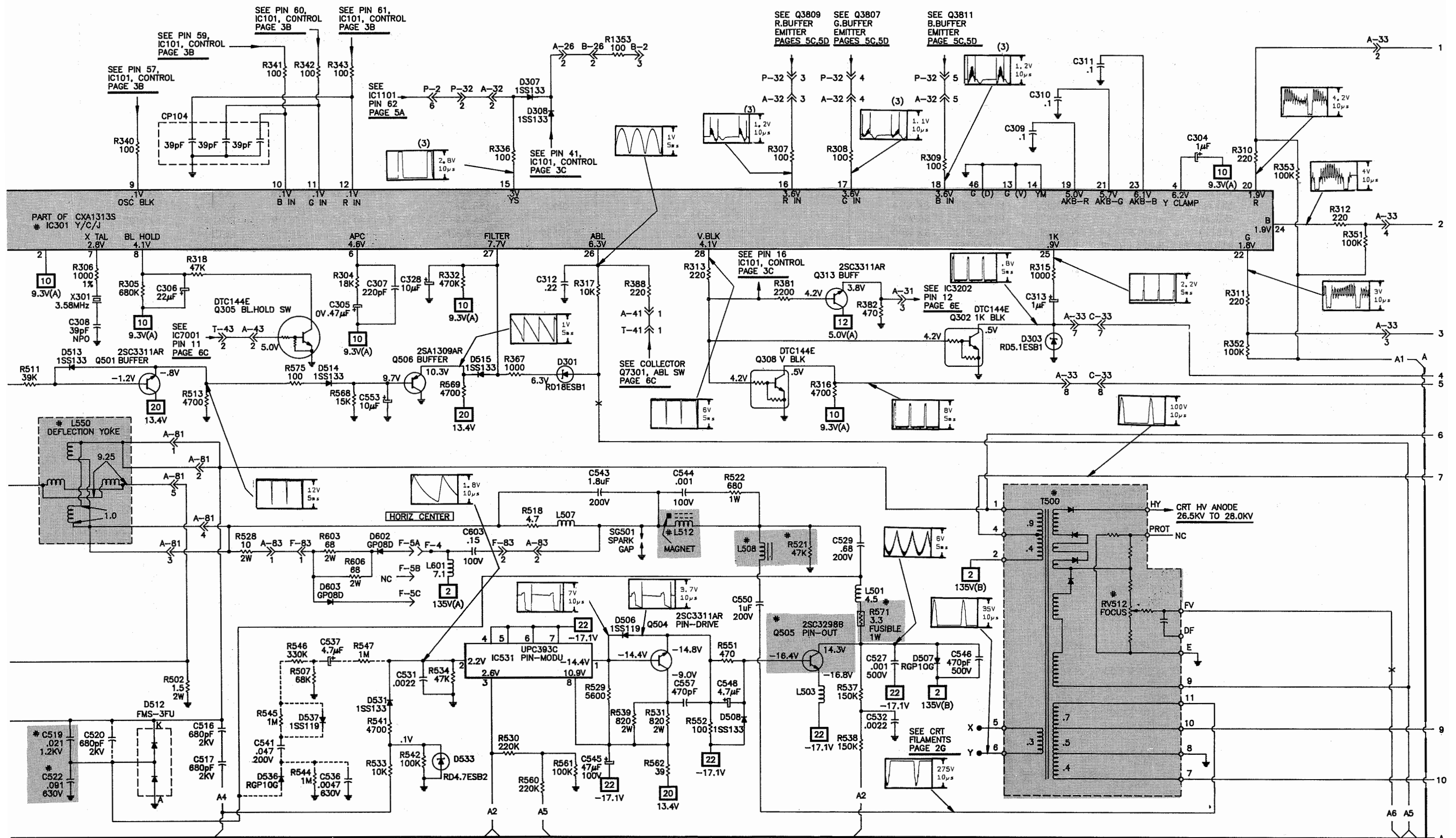
SEMICONDUCTORS continued

(Select replacement for best results.)

Item No.	Type No.	Mfr. Part No.	NTE Part No.	ECG Part No.	TCE Part No.
D517	RD30ESB1	-	NTE5035A	ECG5035A	SK30A
	RD30ES-B2	8-719-110-72	NTE5035A	ECG5035A	SK30A
D531	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D533	RD4.7ES-B2	8-719-109-81	NTE5009A	ECG5009A	SK4A7
D536	RGP10G	-	NTE552	ECG552	SK9000
	RU-3AM	8-719-300-33	NTE580	ECG580	SK3318A
D537	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
# D539	EL1Z-V1	-	NTE552	ECG552	SK9000
	EL1Z	8-719-302-43	NTE587	ECG587	SK9937
# D601	RBV-406H	8-719-305-07	NTE5330	ECG5330	SK9972
D602, 3	GP08D	-	NTE156	ECG156	SK3051
	U05G	8-719-911-55	NTE5806	ECG5806	SK3848
D604	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D605	GP08D	-	NTE156	ECG156	SK3051
	U05G	8-719-911-55	NTE5806	ECG5806	SK3848
D607	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D651	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D652	RU-2M	-	NTE552	ECG552	SK9000
	RU-3AM	8-719-300-33	NTE580	ECG580	SK3318A
D653	RU-1P	8-719-311-31	NTE552	ECG552	SK9000
D657	D5KC20H	8-719-500-67	NTE6240	ECG6240	SK5060
D658	RK14	8-719-301-45	NTE586	ECG586	SK9935
D659	D8LCA20	8-719-500-41	NTE6240	ECG6240	SK5060
D660	RU4AM-T3	-	NTE580	ECG580	SK5036
	RU-4DS	8-719-301-64	NTE580	ECG580	SK5036
D701 - D709	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D710 - D713	1SS83	8-719-901-83	NTE177	ECG177	SK9091
D1101, 2	1T33	8-713-300-57	NTE147A	ECG147A	SK33V
D1301, 2	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D1303 - D1305	RD6.8ESB2	-	NTE5014A	ECG5014A	SK6A8
	RD6.8ES-B2	8-719-109-97	NTE5014A	ECG5014A	SK6A8
D1701, 2	RD6.8ESB1	-	NTE5013T1	ECG5013T1	SK9969
	RD6.8ES-B1	8-719-109-96	NTE5013T1	ECG5013T1	SK9969
D2451, 2	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D2499	RD20ESB1	-	NTE5028A	ECG5028A	SK19A
	RD20ES-B1	8-719-110-52	NTE5028A	ECG5028A	SK19A
D2601	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
# D2602	S1VB10-S	8-719-521-10	NTE166	ECG166	SK9075
D3201	RD33ESB2	-	NTE5036A	ECG5036A	SK33A
	RD33ES-B2	8-719-110-78	NTE5036A	ECG5036A	SK33A
D3203	ERB12-01	-	NTE552	ECG552	SK9000
	10E2	8-719-200-02	NTE116	ECG116	SK3313

For SAFETY use only equivalent replacement part.

TELEVISION SCHEMATIC continued



PARTS LIST continued

SEMICONDUCTORS continued

(Select replacement for best results.)

Item No.	Type No.	Mfr. Part No.	NTE Part No.	ECG Part No.	TCE Part No.
D3205	RD3.6ESL1	-	-	-	-
	RD3.6ES-L1	8-719-119-97	-	-	-
D3207	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D7001 - D7006	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D7008 - D7016	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
D7017	RD8.2ESB1	-	-	-	-
	RD8.2ES-B1	8-719-110-06	-	-	-
D7018 - D7020	RD6.2ESB2	-	NTE5013A	ECG5013A	SK6A2
	RD6.2ES-B2	8-719-109-93	NTE5013A	ECG5013A	SK6A2
D7021	1SS133	-	NTE177	ECG177	SK9091
	1SS119	8-719-911-19	NTE519	ECG519	SK3100
IC51	KEY-C00SV	-	-	-	-
	KEY-C00SV-F	8-749-922-13	-	-	-
IC101	M37200M6-A16SP	8-759-636-30	-	-	-
IC102	PCD8582	8-759-972-43	-	-	-
IC103	MN1280-S	8-759-403-44	-	-	-
IC251	CXA1264AS	8-752-037-24	-	-	-
# IC301	CXA1313S	8-752-035-52	-	-	-
IC405	NJM2233BS	8-759-710-69	-	-	-
IC442	CXA1314P	8-752-053-38	-	-	-
IC443	CXA1414P	8-752-053-30	-	-	-
IC444	CXA1114P	8-752-053-17	-	-	-
IC500	TDA8172	8-759-980-58	NTE1788	ECG1788	SK9875
IC531	UPC393C	8-759-103-93	NTE943M	ECG943M	SK9993
# IC581, 2	UPC7893HF	8-759-142-04	-	-	-
# IC651	STR-S6301A	8-749-920-81	-	-	-
IC652	PS2501-1LB	8-719-156-73	-	-	-
# IC653, 4	SE-135NS	8-719-920-62	-	-	-
# IC901	LM7805CT	8-759-924-12	-	-	-
IC1101	CXD1220AQ	8-752-332-83	-	-	-
IC1102, 3	SN74HC04ANS	8-759-925-74	-	-	-
IC1104 - IC1106	M5M4C500L-10	8-759-605-15	-	-	-
IC1107, 8	M52678P	8-759-605-14	-	-	-
IC1109	MC74HC4053F	8-759-011-65	-	-	-
IC1301	PCD8582	8-759-972-43	-	-	-
IC1302	CXA1387S	8-752-037-15	-	-	-
IC1303	CXA1315P	8-752-035-53	-	-	-
IC1304, 5	NJM2233BS	8-759-710-69	-	-	-
IC1401	NJM2233BS	8-759-710-69	-	-	-
IC1701	MB88201-638L	8-759-978-66	-	-	-
# IC2451, 2	TDA2009A	8-759-980-43	-	-	-
IC2601	UPC78N05H	8-759-112-06	-	-	-
# IC3201	UPC7893HF	8-759-142-04	-	-	-
IC3202	MB88733-137	8-759-512-50	-	-	-
# IC3203	LM7805CT	8-759-924-12	-	-	-
IC3204	CXK1006L	8-759-803-25	-	-	-
IC3205	UPD4053BC	8-759-140-53	NTE4053B	ECG4053B	SK4053B

For SAFETY use only equivalent replacement part.

SEMICONDUCTORS continued

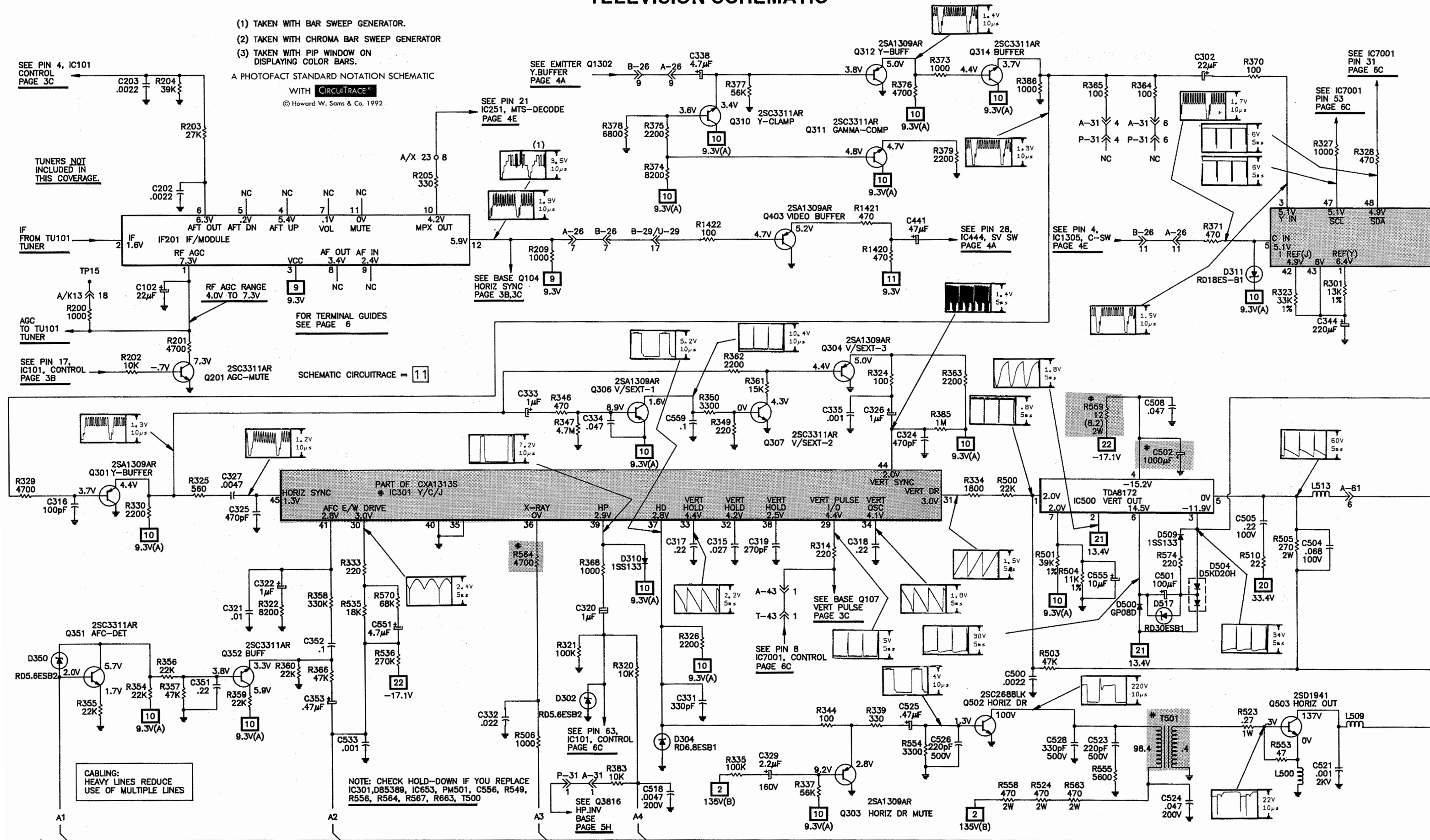
(Select replacement for best results.)

Item No.	Type No.	Mfr. Part No.	NTE Part No.	ECG Part No.	TCE Part No.
IC3801, 2	CX20061	8-752-006-12	-	-	-
IC3803	CXA1228S	8-752-033-32	-	-	-
IC3805	CXA1315P	8-752-035-53	-	-	-
IC7001	CXP5068H-057S	-	-	-	-
	CXP5068H-055S	8-752-817-58	-	-	-
	CXP5068H-SV2764	-	-	-	-
IC7002	MN1280-S	8-759-403-44	-	-	-
IC7201	LM7812CT	8-759-929-62	-	-	-
Q101	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q104	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q107	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q110	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q112 - Q114	DTC144E	-	NTE2359	ECG2359	SK9959
	DTC144ES	8-729-900-89	NTE2359	ECG2359	SK9959
Q170	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q201	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q270 - Q273	2SA1175	-	NTE2362	ECG2362	SK3114A
	2SA1175-HFE	8-729-119-76	NTE2362	ECG2362	SK3114A
Q280, 1	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q301	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
D302	DTC144E	-	NTE2359	ECG2359	SK9959
	DTC144ES	8-729-900-89	NTE2359	ECG2359	SK9959
Q303, 4	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q305	DTC144E	-	NTE2359	ECG2359	SK9959
	DTC144ES	8-729-900-89	NTE2359	ECG2359	SK9959
Q306	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q307	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q308	DTC144E	-	NTE2359	ECG2359	SK9959
	DTC144ES	8-729-900-89	NTE2359	ECG2359	SK9959
Q310, 11	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q312	2SA1309AR	-	NTE2362	ECG2362	SK10094
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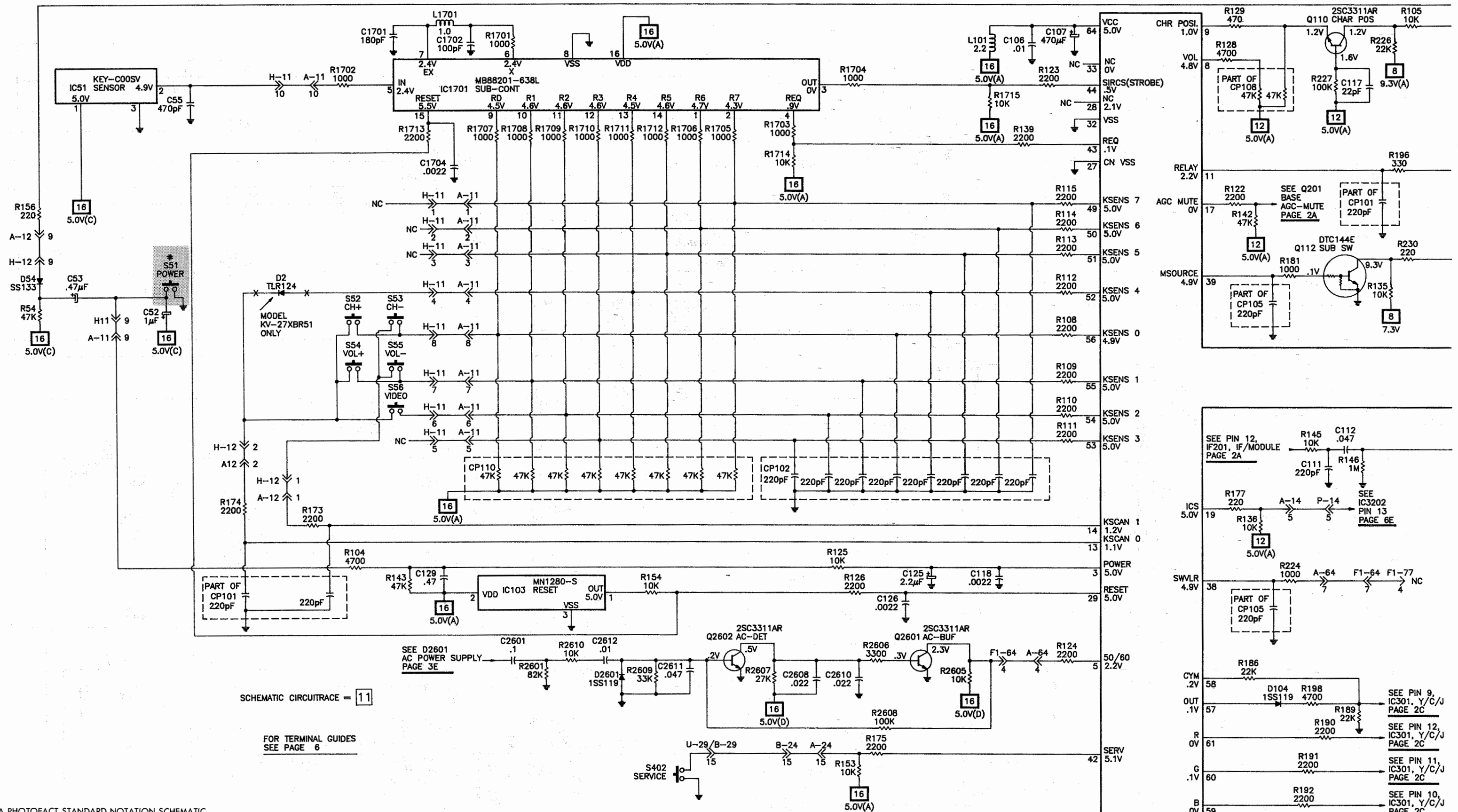
- (1) TAKEN WITH BAR SWEEP GENERATOR.
- (2) TAKEN WITH CHROMA BAR SWEEP GENERATOR
- (3) TAKEN WITH PIP WINDOW ON
DISPLAYING COLOR BARS.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
WITH **CIRCUITRACE™**

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CONTROL SCHEMATIC



SCHEMATIC CIRCUITTRACE = 11

FOR TERMINAL GUIDES
SEE PAGE 6

A PHOTOFACT STANDARD NOTATION SCHEMATIC

WITH **CIRCUITRACE[®]**

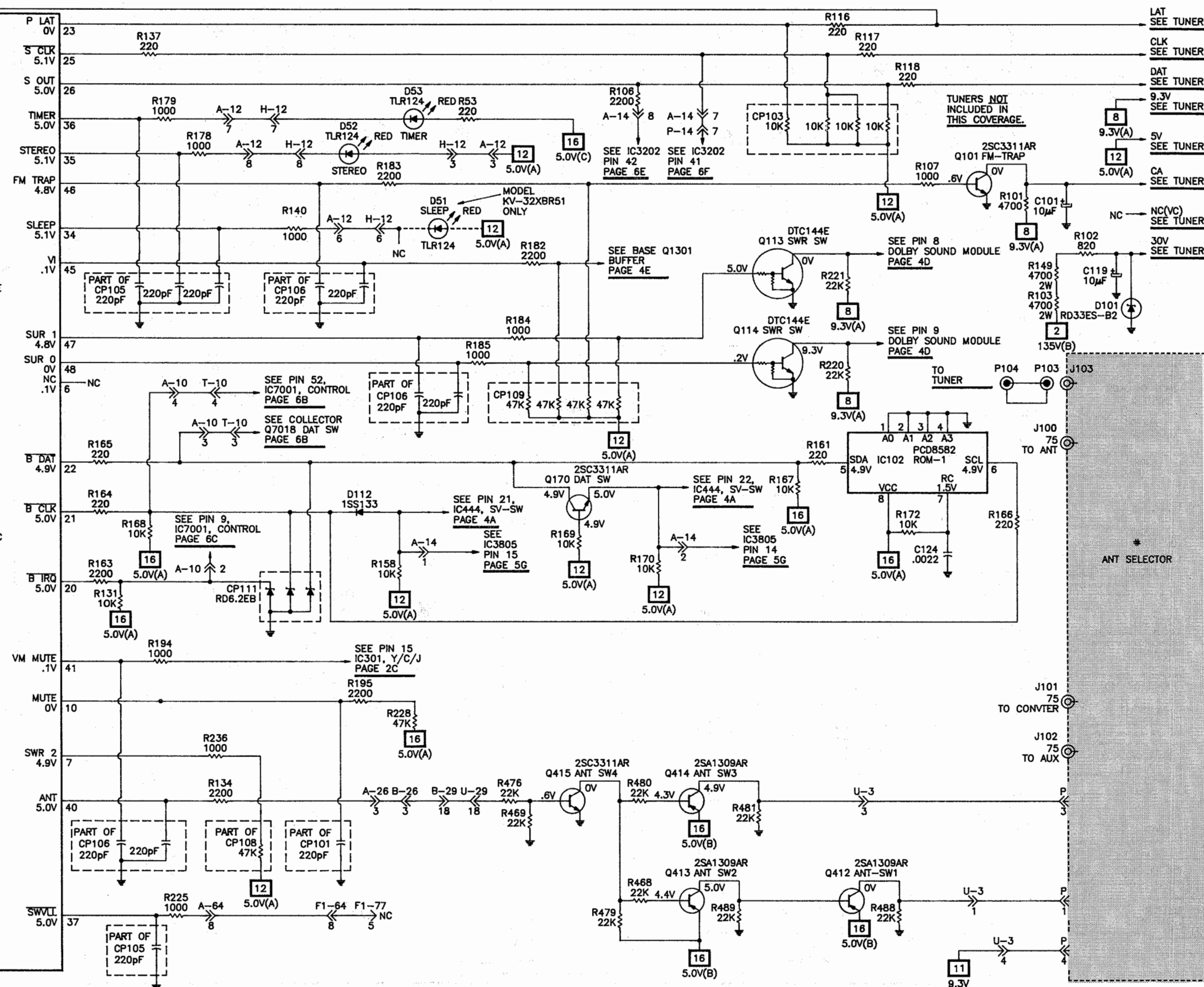
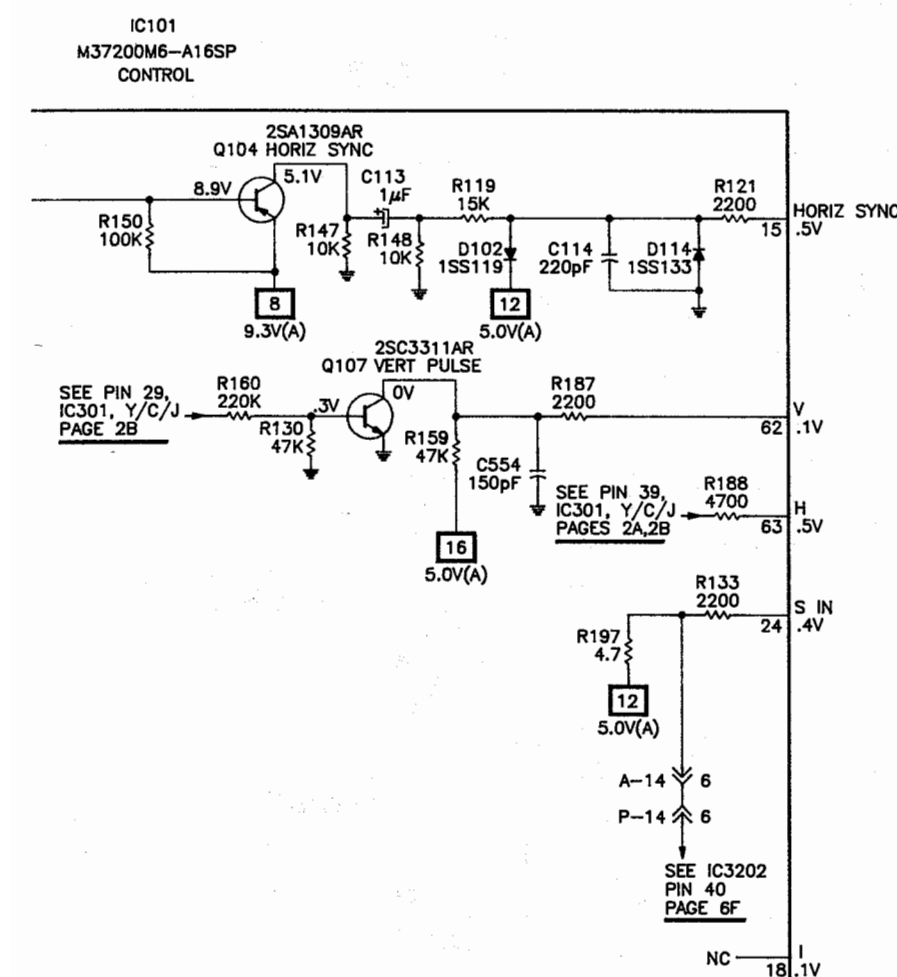
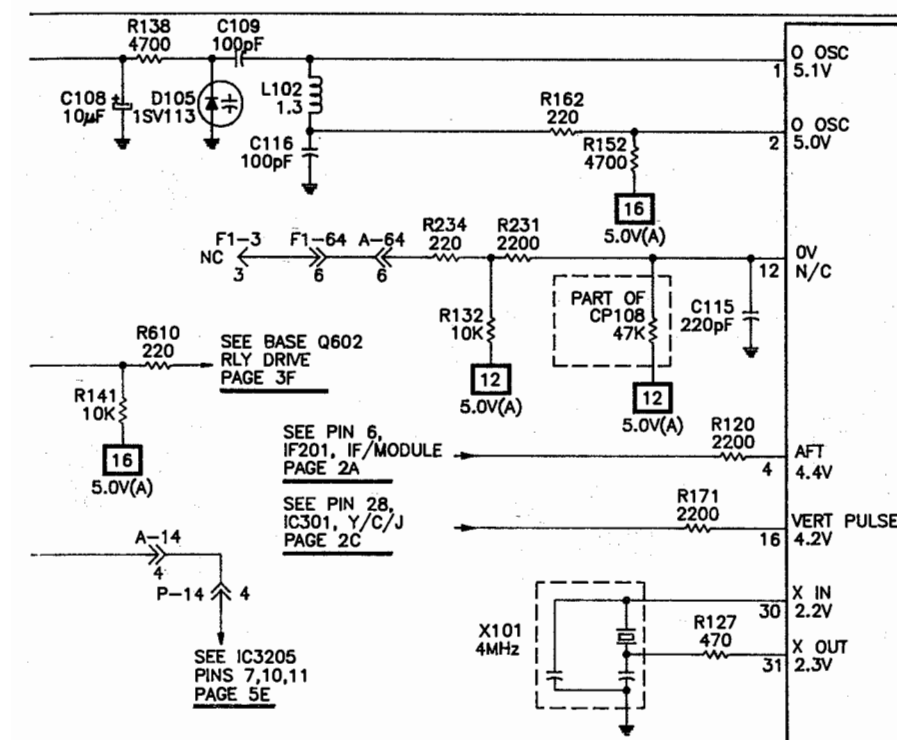
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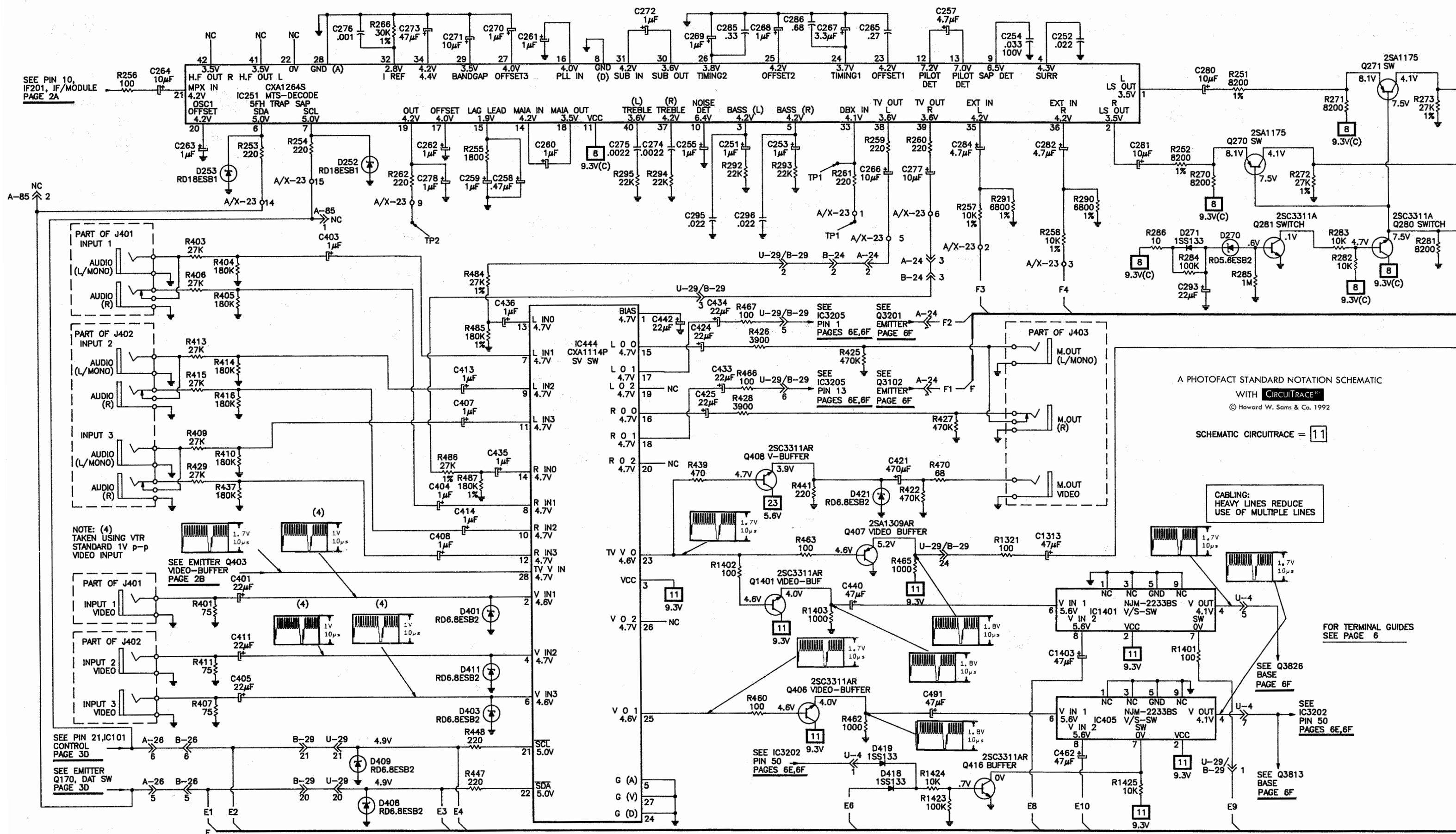


CONTROL SCHEMATIC continued

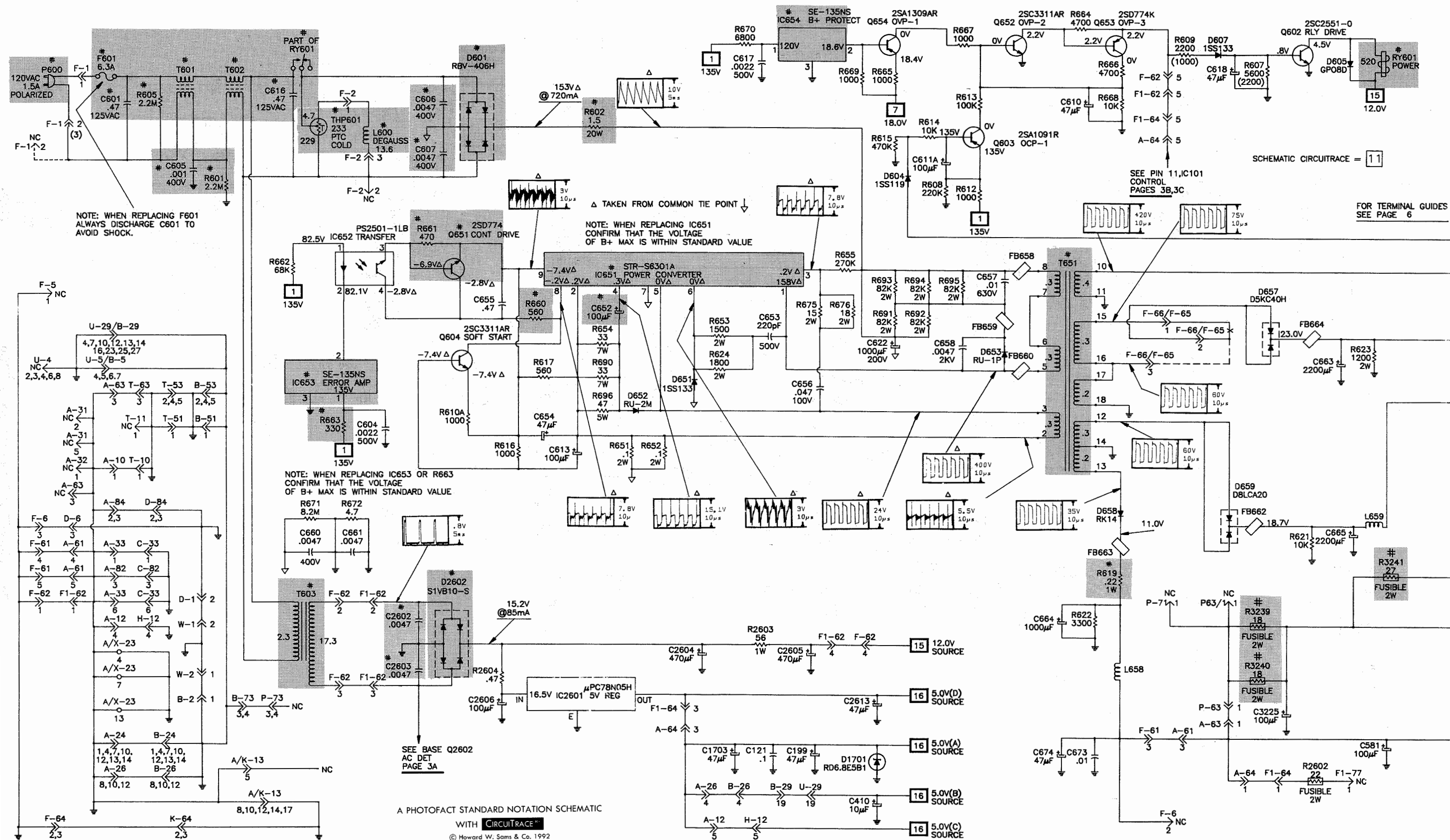
C

D

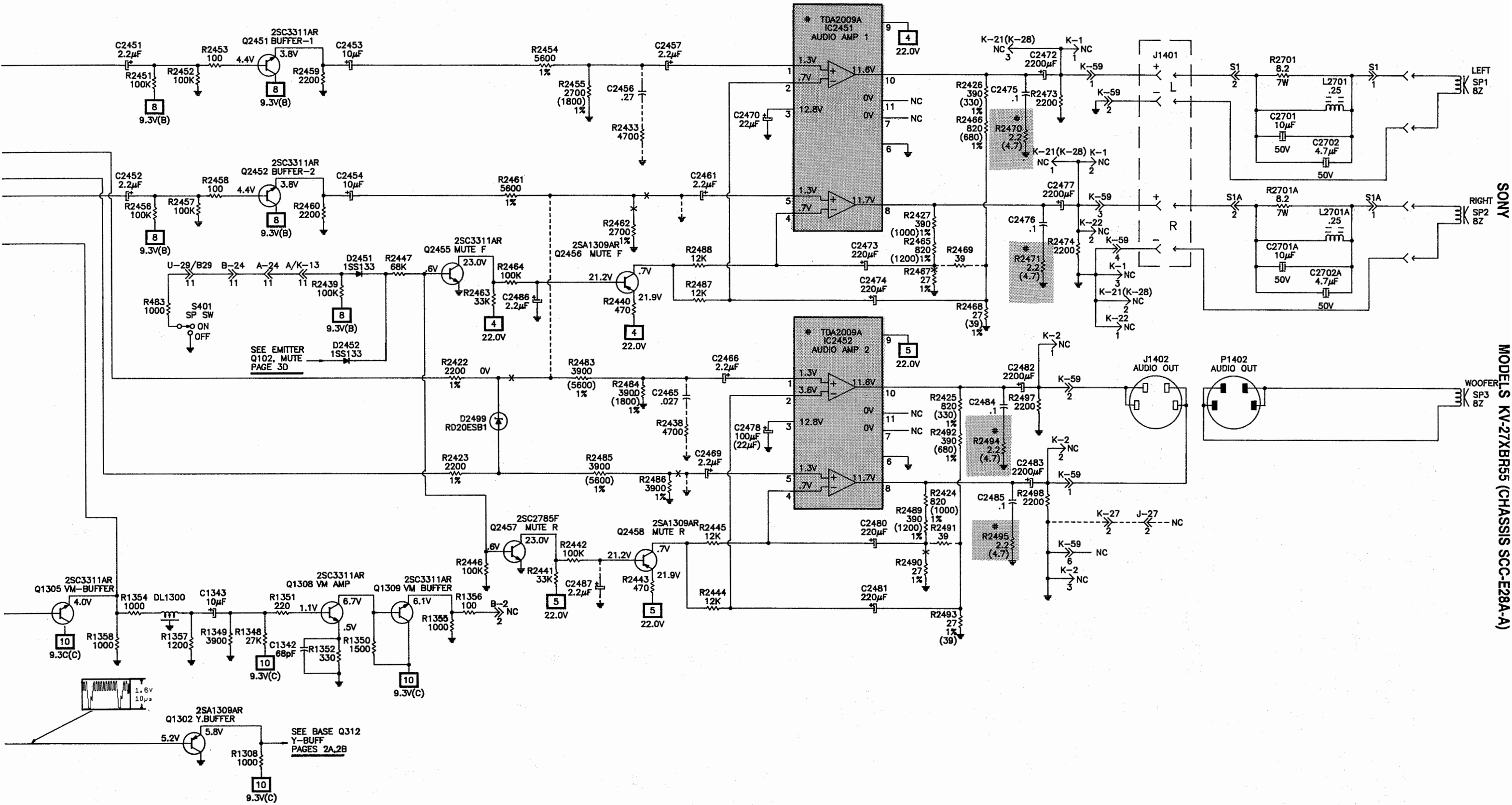




POWER SUPPLY SCHEMATIC

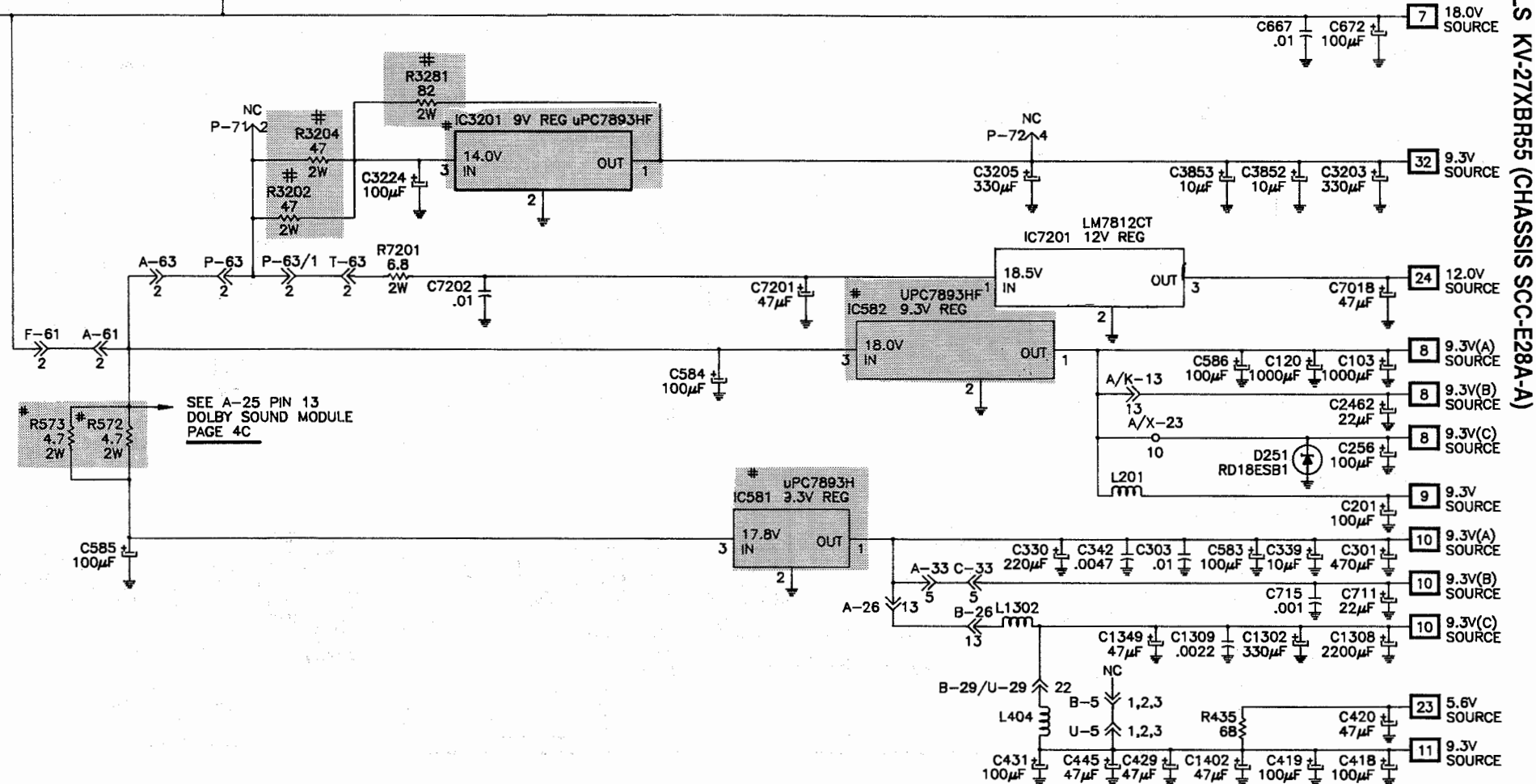
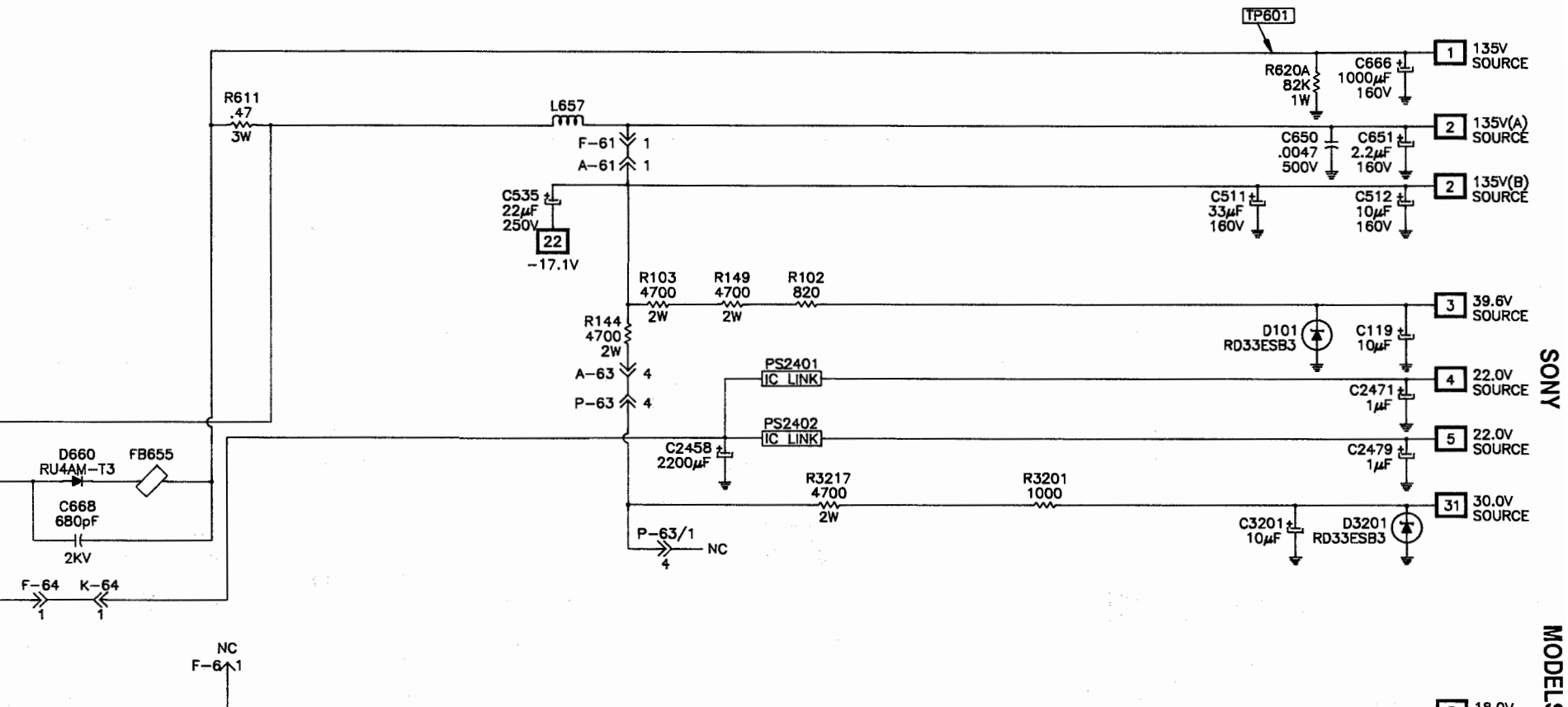


AUDIO SCHEMATIC



SONY
MODEL S KV-27XBR55 (CHASSIS SCC-E28A-A)

POWER SUPPLY SCHEMATIC^{continued}



SONY

MODELS KV-27XBR55 (CHASSIS SCC-E28A-A)

13

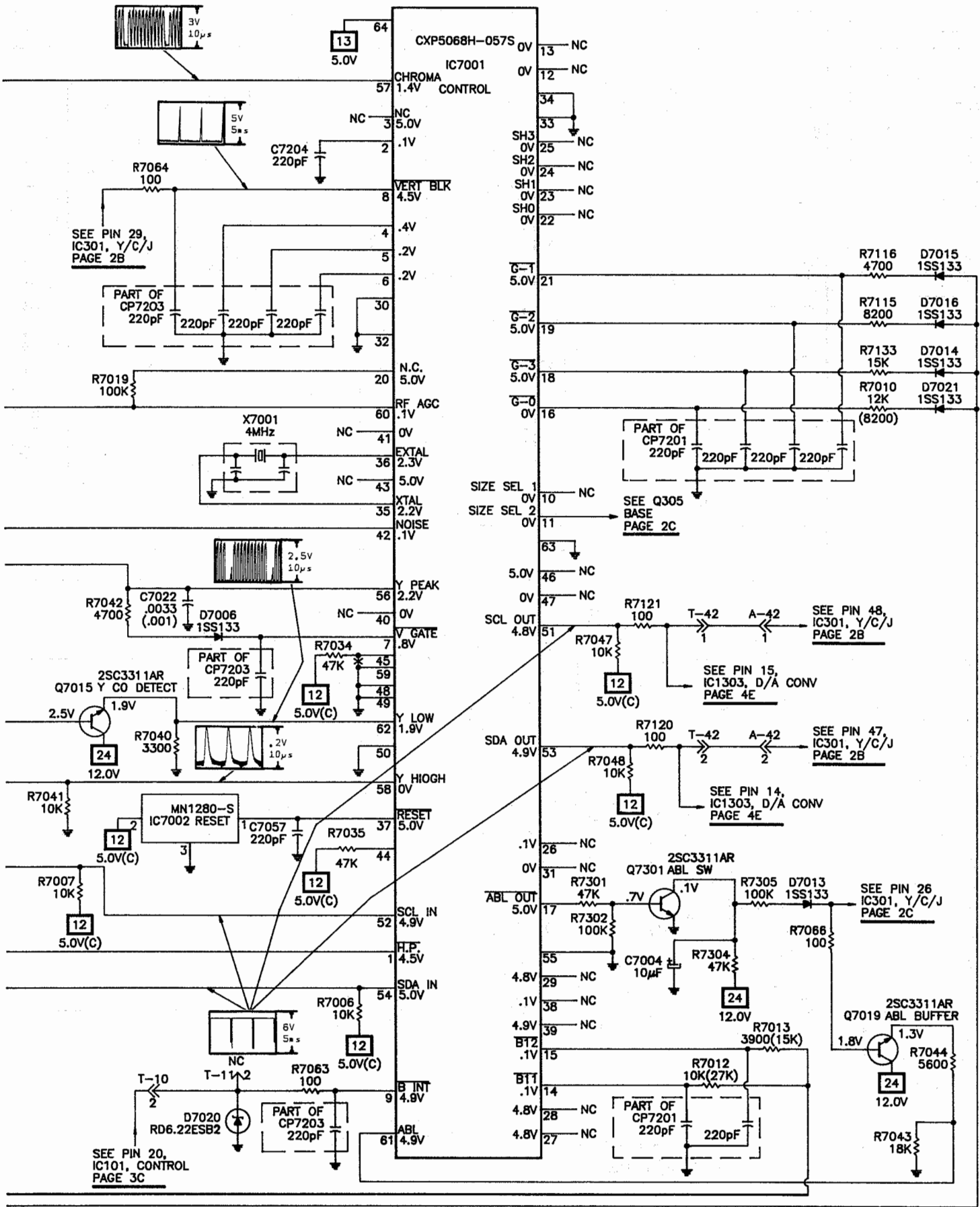
FOR TERMINAL GUIDES
SEE PAGE 6

F



C
CONTROL SCHEMATIC

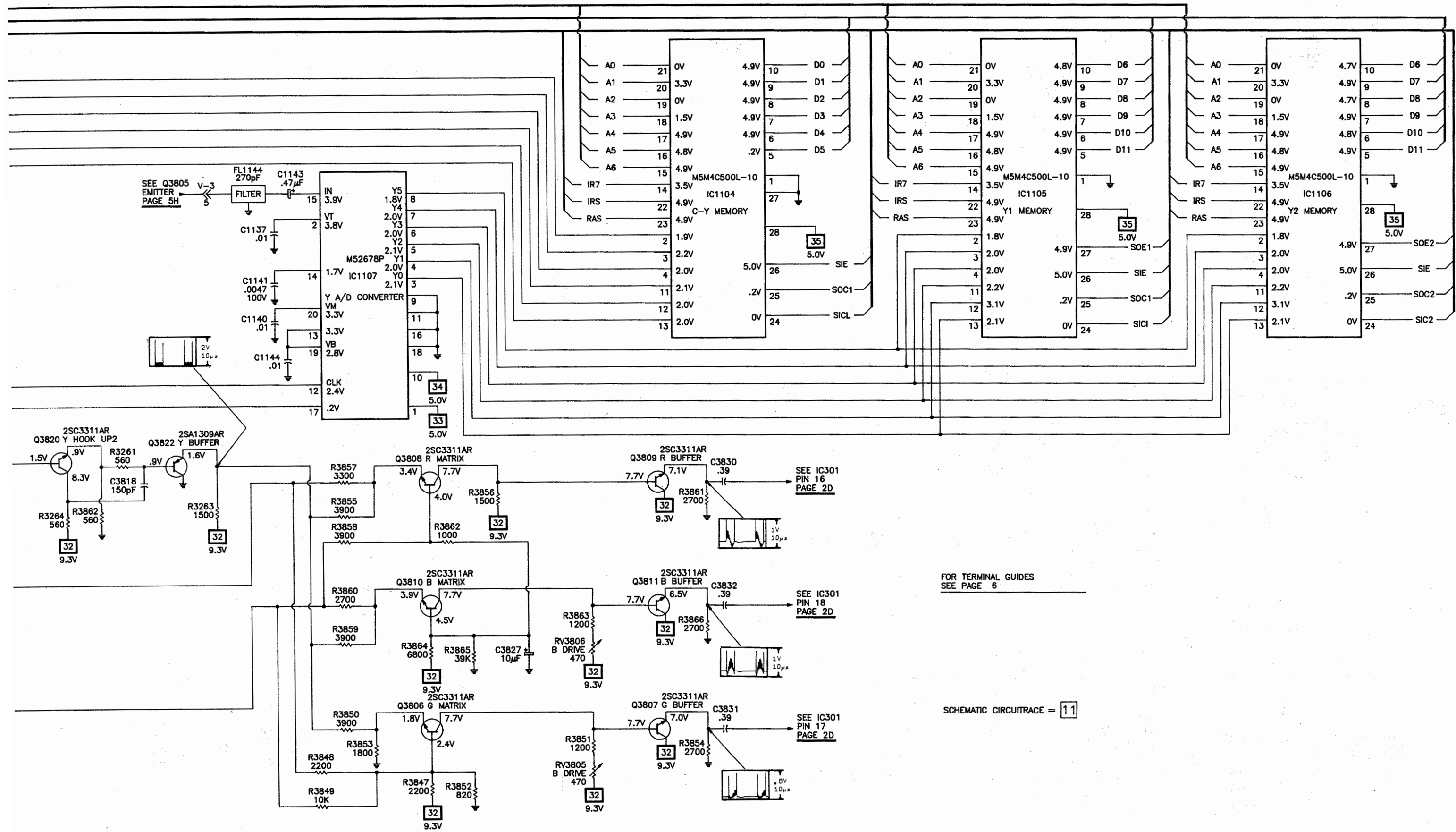
TEST EQUIPMENT



Test equipment listed by participating manufacturers illustrates typical or equivalent equipment used by Sams engineers to obtain measurements. This equipment is compatible with most types used by field service technicians.

Equipment	B&K Precision No.	SENCORE No.
Oscilloscope	1541A, 2120, 2125, 2160, 2190, 2522	SC61
Generators		
RGB	1249A, 1260	RG67
Multiburst Signal	1251, 1260	VA62A
Color Bar	1211A, 1249A, 1251, 1260	VA62A, CG25, NT64
TV Stereo	2009	ST65, ST66
Analog VOM	114, 117, 177, 214	-
Digital VOM	377, 388HD, 2700 Series, 2831A, 2860, 2900 Series	DVM37, DVM56A, SC61
Frequency Meter	1803A, 1804A, 1805, 1822, 1851, 1855	FC71, SC61
Hi-Voltage Probe	HV-44	HP200
VOM/DMM	-	TP212
Accessory Probes	PR-28(HV)	-
Isolation Transformer	TR110, 1604, 1653, 1655	PR57
Capacitance Analyzer	810A, 815, 820, 830	LC76, LC101, LC102
CRT Analyzer	480, 490	CR70
Temperature Probe	TP-28, TP-30	-
AC Leakage Tester	1655	PR57
Logic Probe	DP21, DP51	-
Logic Pulser	DP31, DP101	-
Inductance Analyzer	875A	LC76, LC101, LC102
Flyback Yoke Tester	875A	VA62A, LC76, LC101, LC102
TV Stereo Power Monitor	-	SR68
Field Strength Meter	-	FS73, FS74
Transistor Tester	510, 520B, 530	TF46
Video Analyzer	-	VA62A
Modulator/Converter	1201	-

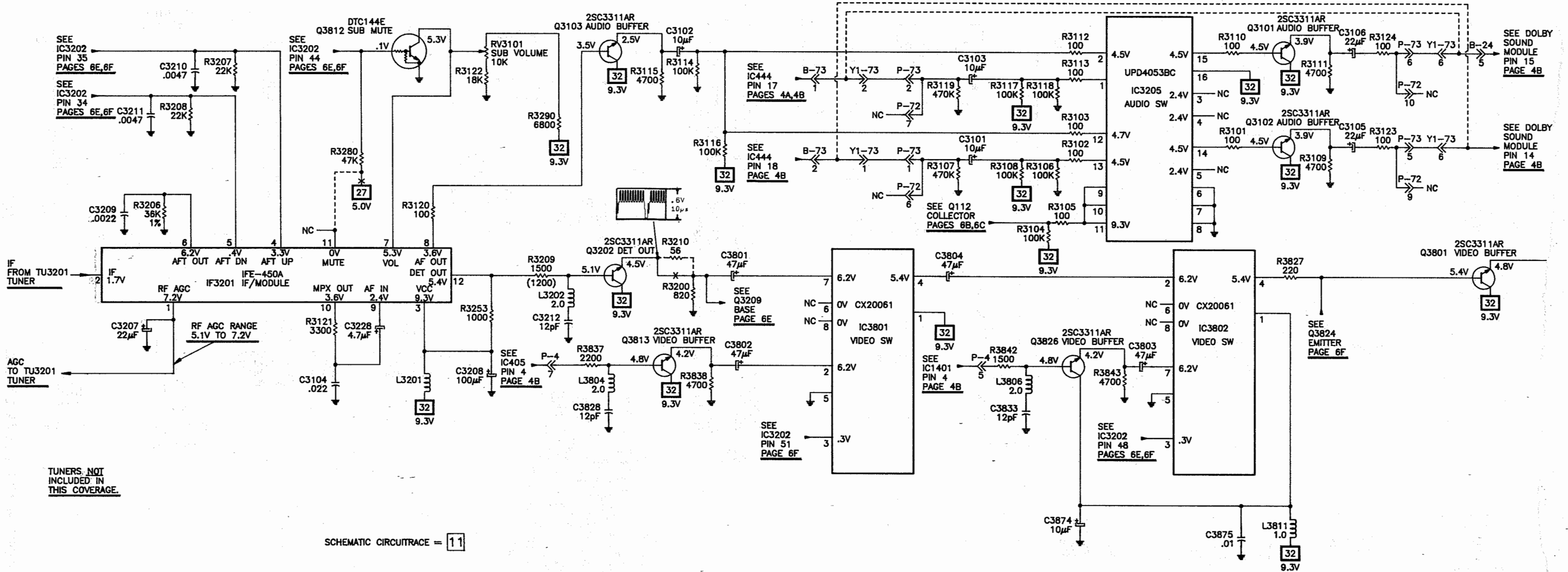
MEMORY SCHEMATIC



FOR TERMINAL GUIDES
SEE PAGE 6

SCHEMATIC CIRCUITTRACE = 11

AUDIO/VIDEO SCHEMATIC



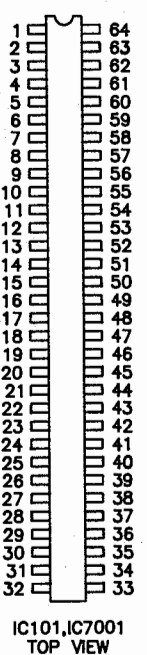
A PHOTOFACT STANDARD NOTATION SCHEMATIC

WITH CIRCUITRACE™

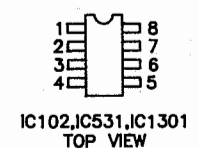
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TERMINAL GUIDES

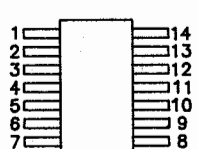
SONY
MODELS KV-27XBR55 (CHASSIS SCC-E28A-A)



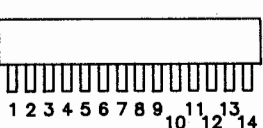
IC101, IC7001
TOP VIEW



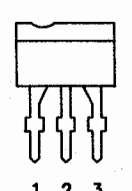
IC102, IC531, IC1301
TOP VIEW



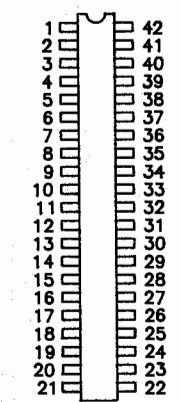
IC1102, IC1103
TOP VIEW



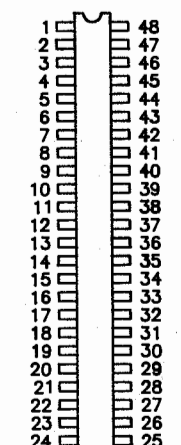
IC1104 THRU IC1106
FRONT VIEW



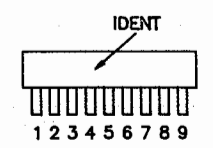
IC103, IC7002
BOTTOM VIEW



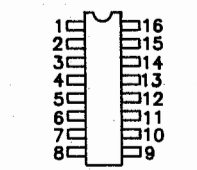
IC251
TOP VIEW



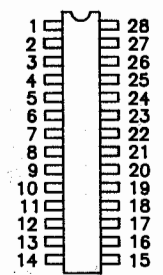
IC301
TOP VIEW



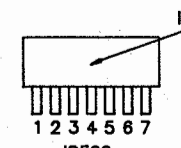
IC405
IC651, IC1304, IC1305
IC1401
FRONT VIEW



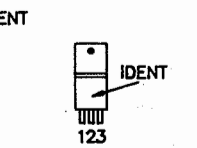
IC442, IC443, IC1303
IC1701, IC3205
IC3805
TOP VIEW



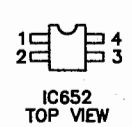
IC444, IC3803
TOP VIEW



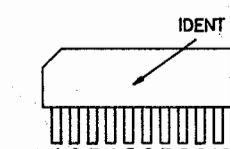
IC500
FRONT VIEW



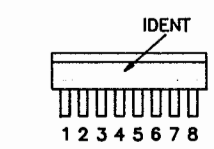
IC581, IC582, IC653
IC654, IC901
IC3201, IC3203, IC7201
FRONT VIEW



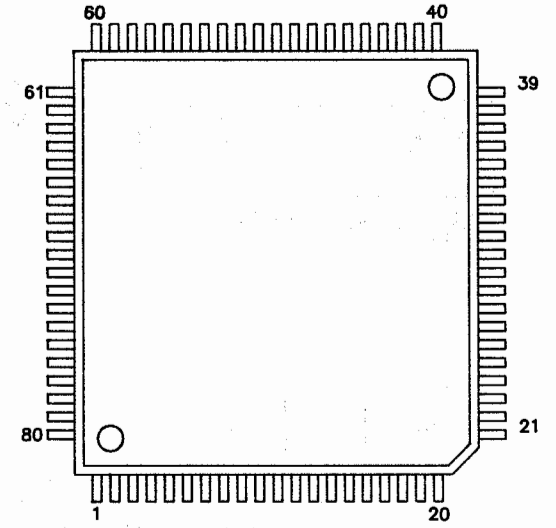
IC652
TOP VIEW



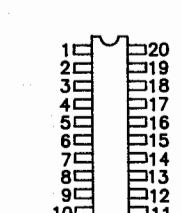
IC3204
FRONT VIEW



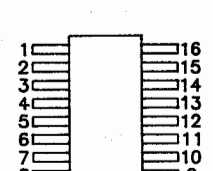
IC3801, IC3802
FRONT VIEW



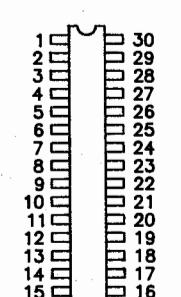
IC1101
TOP VIEW



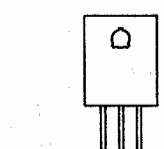
IC1107, IC1108
TOP VIEW



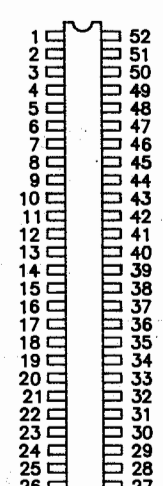
IC1109
TOP VIEW



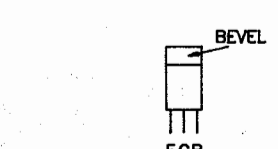
IC1302
TOP VIEW



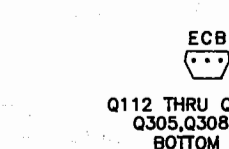
IC2601
FRONT VIEW



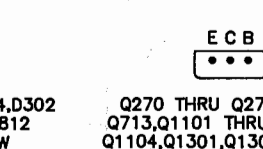
IC3202
TOP VIEW



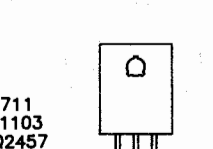
Q101, Q104, Q107, Q110
Q170, Q201, Q280, Q281
Q301, Q303, Q304, Q306
Q307, Q310 THRU Q314
Q351, Q352, Q401 THRU
Q416
Q491, Q492, Q501, Q504
Q506, Q604, Q652 THRU Q654
Q702, Q705, Q709, Q1302
Q1304, Q1305, Q1308, Q1309
Q1311 THRU Q1313, Q1401
THRU Q1406
Q2451, Q2452, Q2455, Q2456
Q2458, Q2601, Q2602
Q3101 THRU Q3103, Q3201
THRU Q3209, Q3801 THRU Q3811
Q3813 THRU Q3826, Q3828, Q3829
Q7001, Q7002, Q7004 THRU Q7009
Q7021, Q7026 THRU Q7033
Q7035 THRU Q7038, Q7301
FRONT VIEW



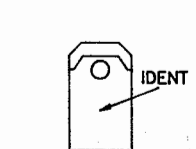
Q112 THRU Q114, D302
Q305, Q308, Q3812
BOTTOM VIEW



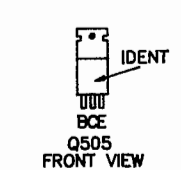
Q270 THRU Q273, Q711
Q713, Q1101 THRU Q1103
Q1104, Q1301, Q1303, Q2457
BOTTOM VIEW



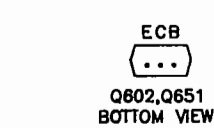
Q502, Q701, Q704
Q708
FRONT VIEW



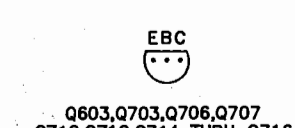
Q503
FRONT VIEW



Q505
FRONT VIEW



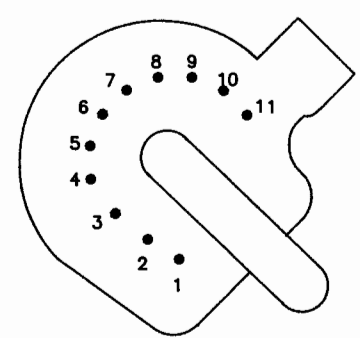
Q602, Q651
BOTTOM VIEW



Q603, Q703, Q706, Q707
Q710, Q712, Q714 THRU Q716
BOTTOM VIEW



Q3827, Q7003
BOTTOM VIEW

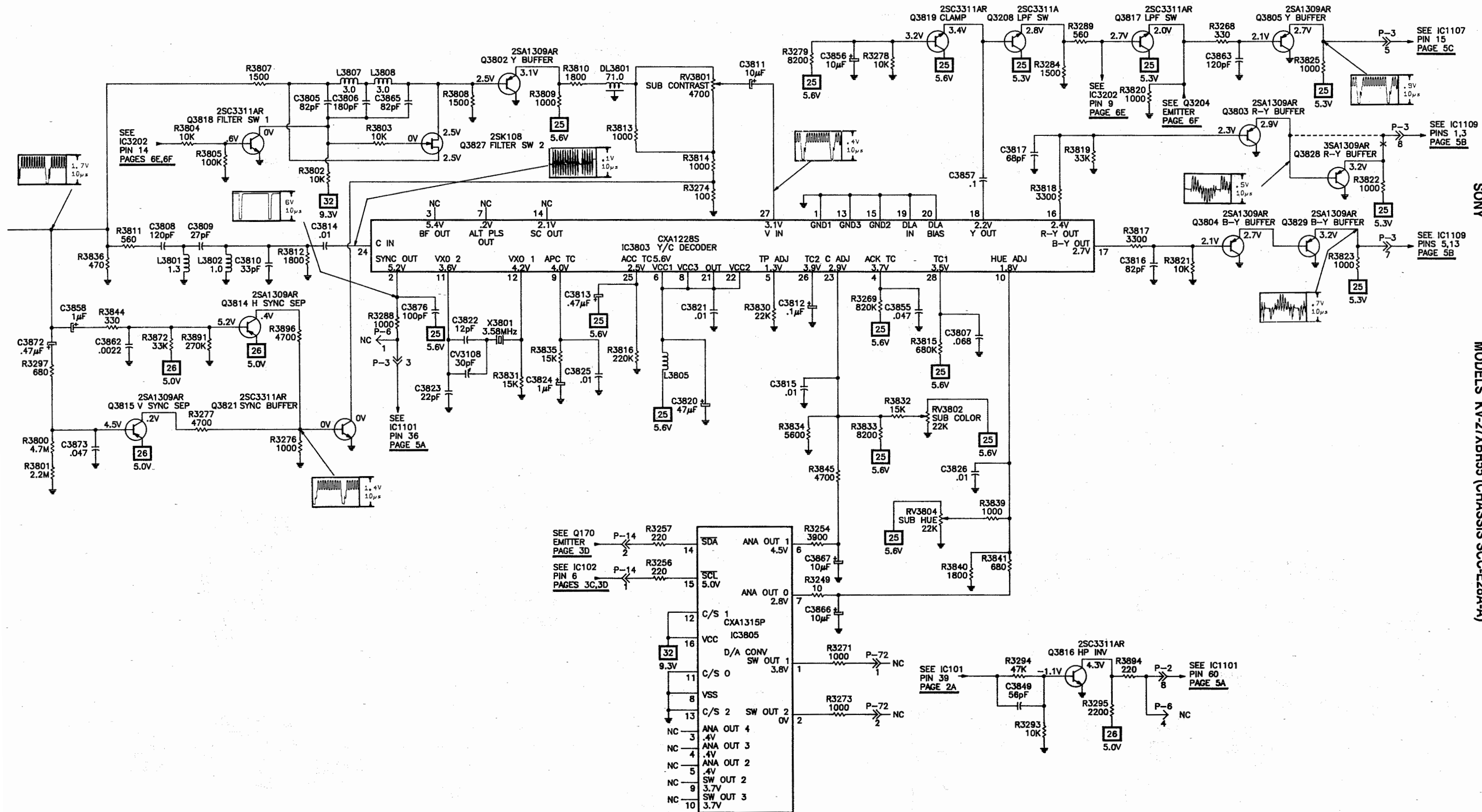


T500
BOTTOM VIEW

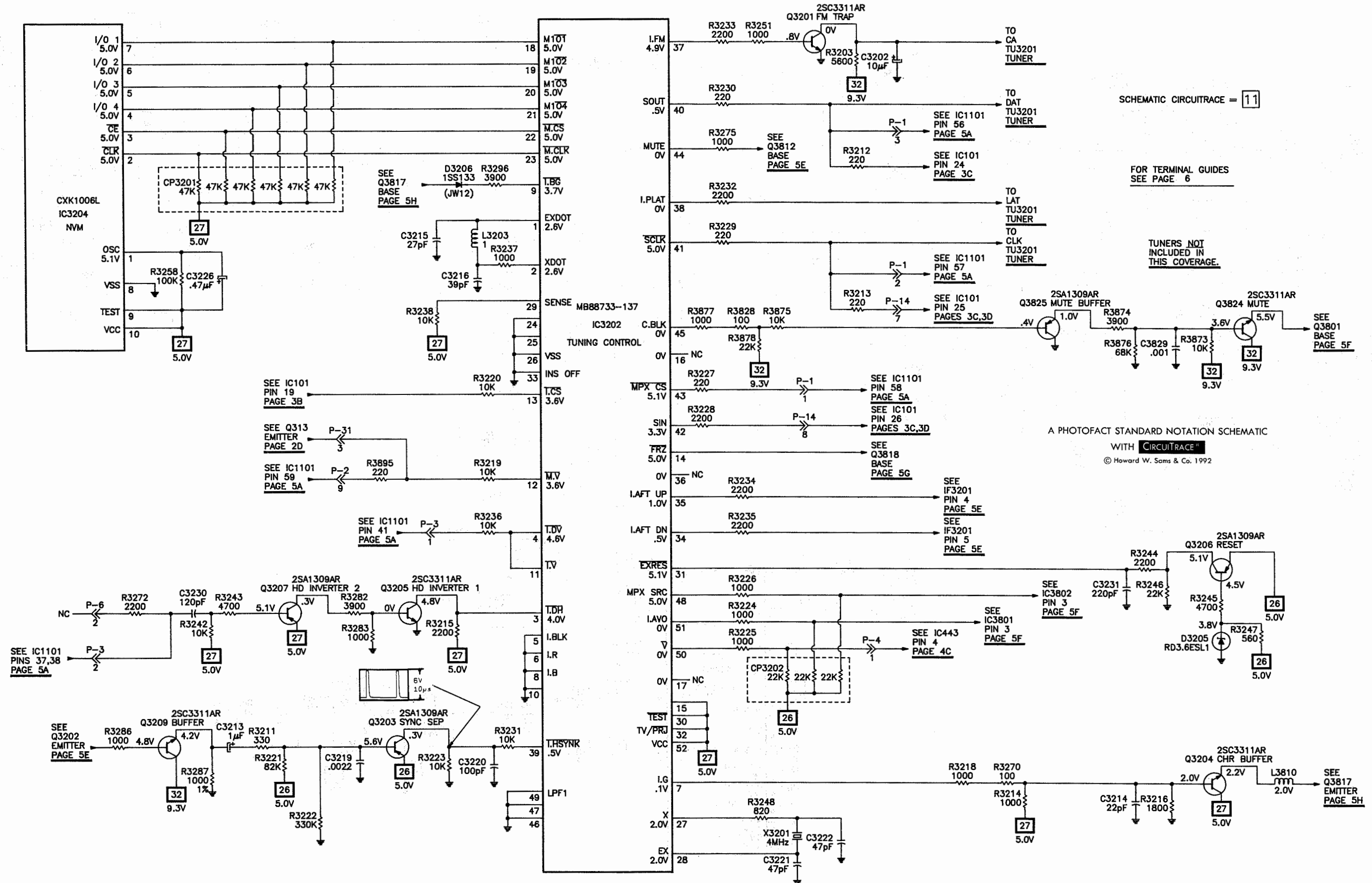
Y/C DECODER SCHEMATIC

SONY

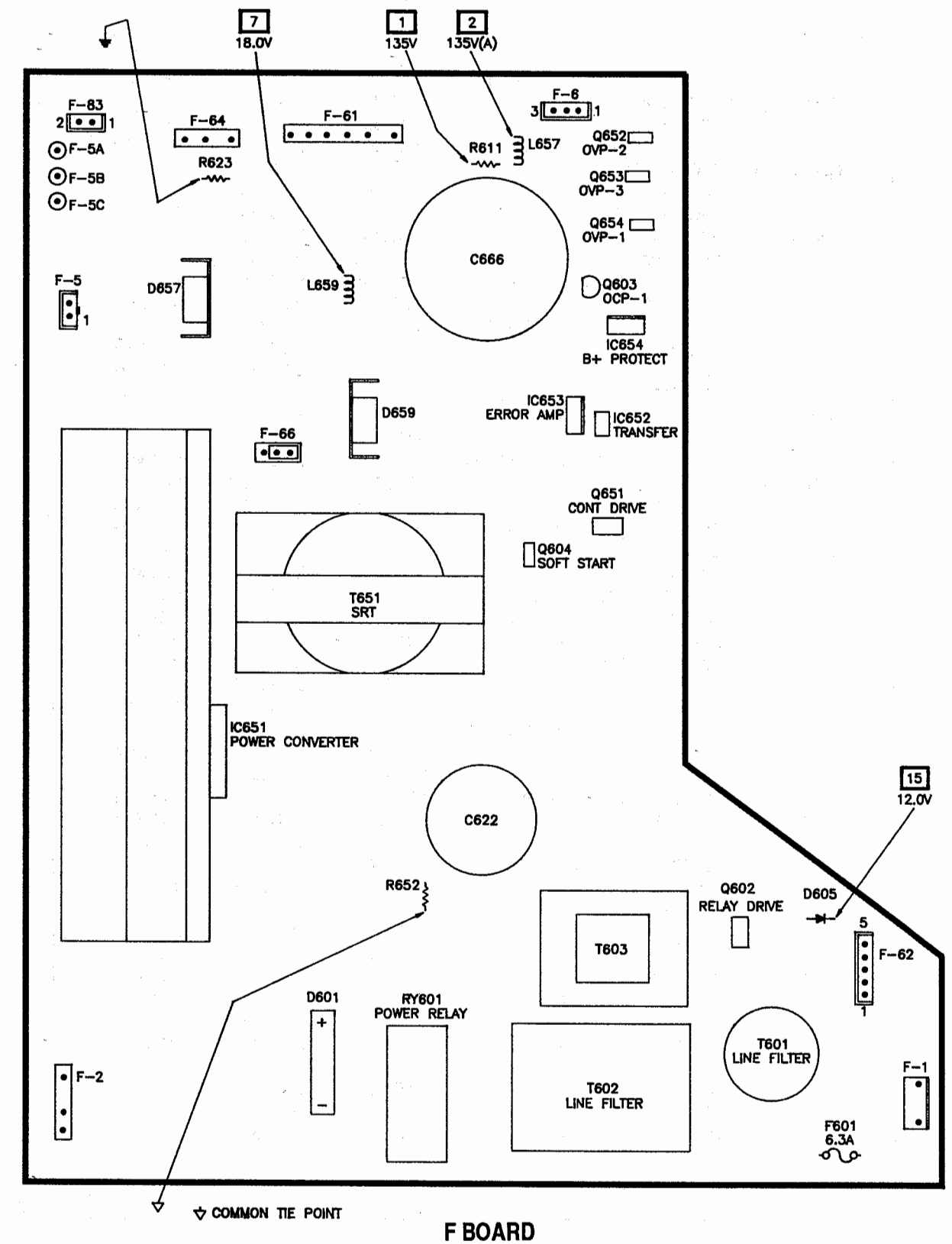
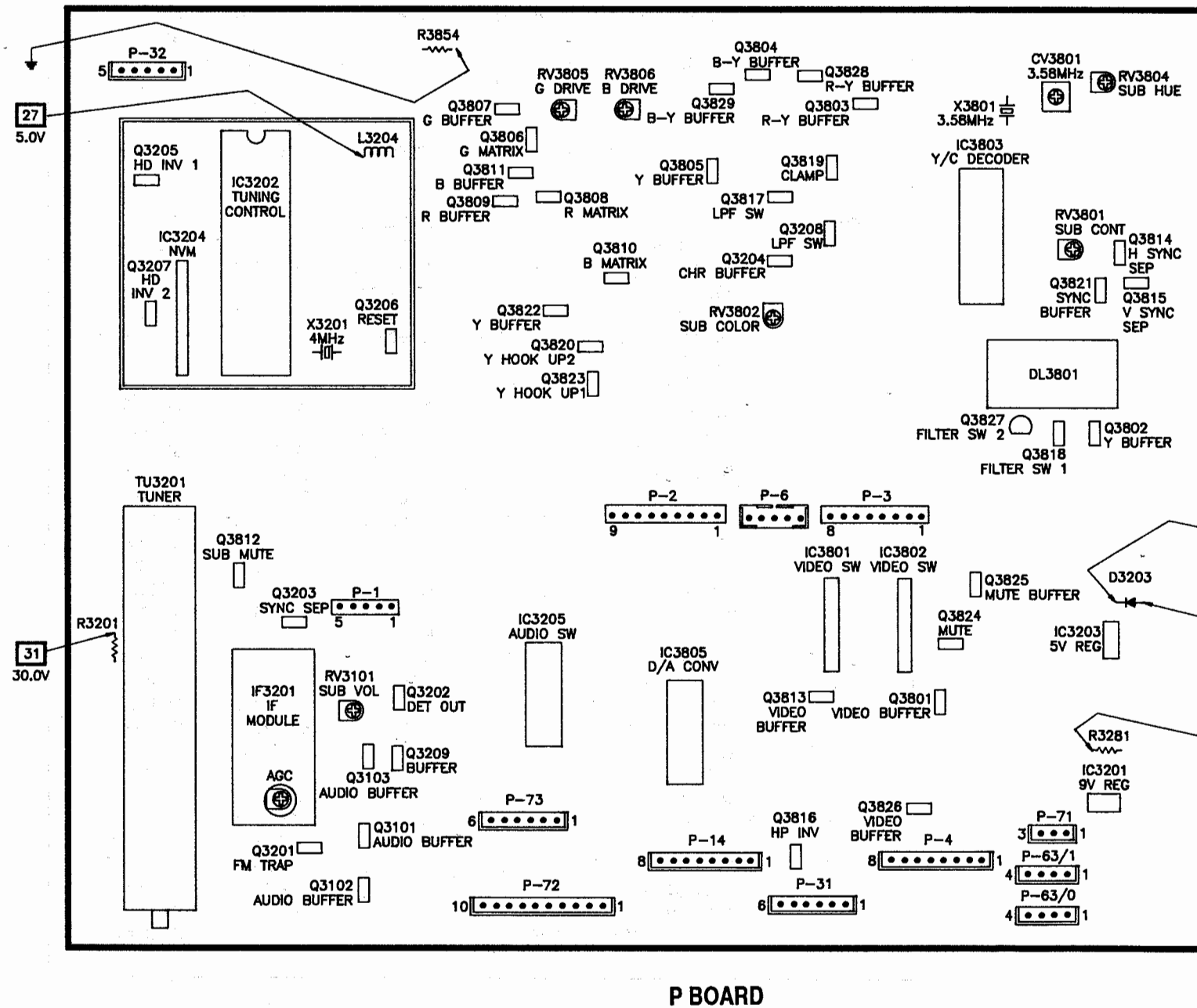
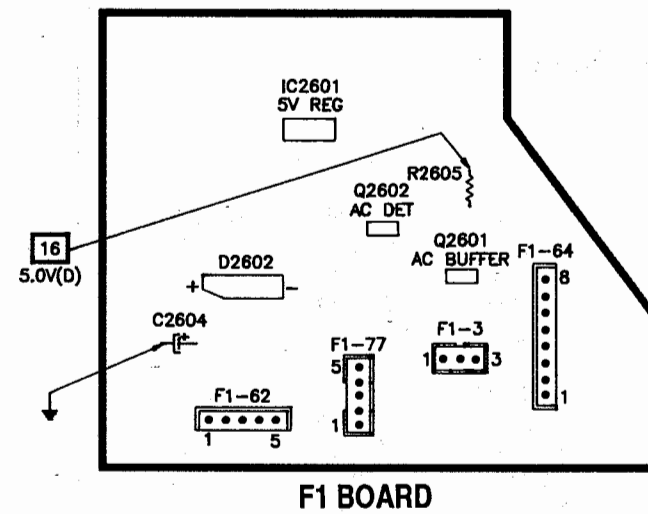
MODELS KV-27XBR5 (CHASSIS SCC-E28A-A)



TUNER CONTROL SCHEMATIC



PLACEMENT CHART



PARTS LIST continued

SEMICONDUCTORS continued

(Select replacement for best results.)

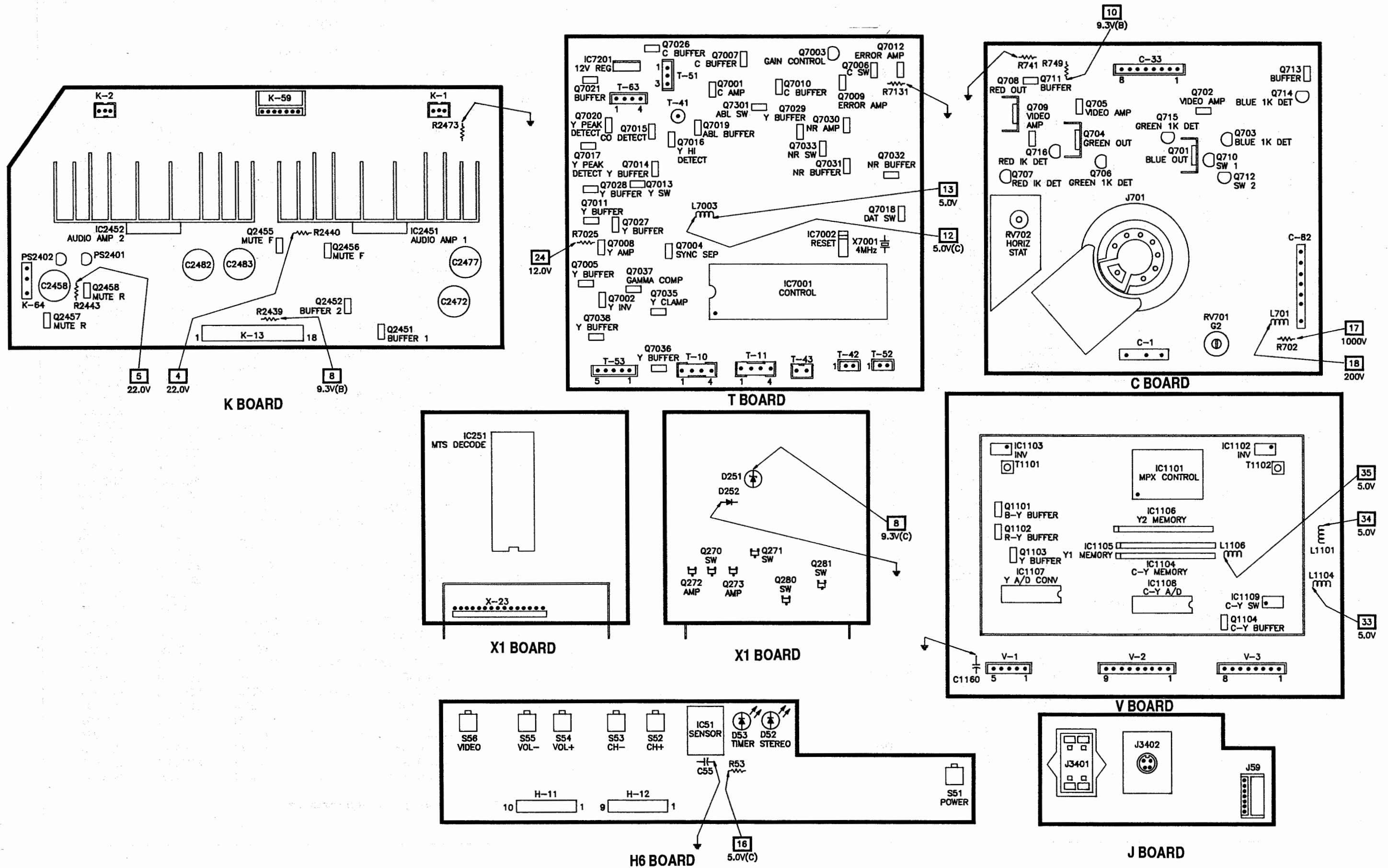
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	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q1401 - Q1406	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q2451, 2, 5	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q2456	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q2457	2SC2785F	-	NTE2361	ECG2361	SK3124A
	2SC2785-HFE	8-729-119-78	NTE2361	ECG2361	SK3124A
	2SA1309AR	-	NTE2362	ECG2362	SK10094
Q2458	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
	2SC3311AR	-	NTE2361	ECG2361	SK10093
Q2601, 2	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
	2SC3311AR	-	NTE2361	ECG2361	SK10093
Q3101 - Q3103	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q3201, 2	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
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	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q3204, 5	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q3206, 7	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q3208, 9	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q3801	2SC3311AR	-	NTE2361	ECG2361	SK10093
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	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q3802 - Q3805	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q3806 - Q3811	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q3812	DTC144E	-	NTE2359	ECG2359	SK9959
	DTC144ES	8-729-900-89	NTE2359	ECG2359	SK9959
	2SC3311AR	-	NTE2361	ECG2361	SK10093
Q3813	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093

SEMICONDUCTORS continued

(Select replacement for best results.)

Item No.	Type No.	Mfr. Part No.	NTE Part No.	ECG Part No.	TCE Part No.
Q3814, 15	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q3816 - Q3821	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q3822, 3	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q3824	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q3825	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q3826	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q3827	2SK108	-	-	-	-
	2SK108-C	8-729-600-12	-	-	-
	2SA1309AR	-	NTE2362	ECG2362	SK10094
Q3828, 9	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
	2SC3311AR	-	NTE2361	ECG2361	SK10093
Q7001, 2	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
	2SK108	-	-	-	-
Q7003	2SK108-C	8-729-600-12	-	-	-
	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
Q7004 - Q7009	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
Q7010	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
Q7011 - Q7013	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q7014	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q7015	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q7016, 17	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q7018 - Q7020	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q7021	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094

PLACEMENT CHART continued



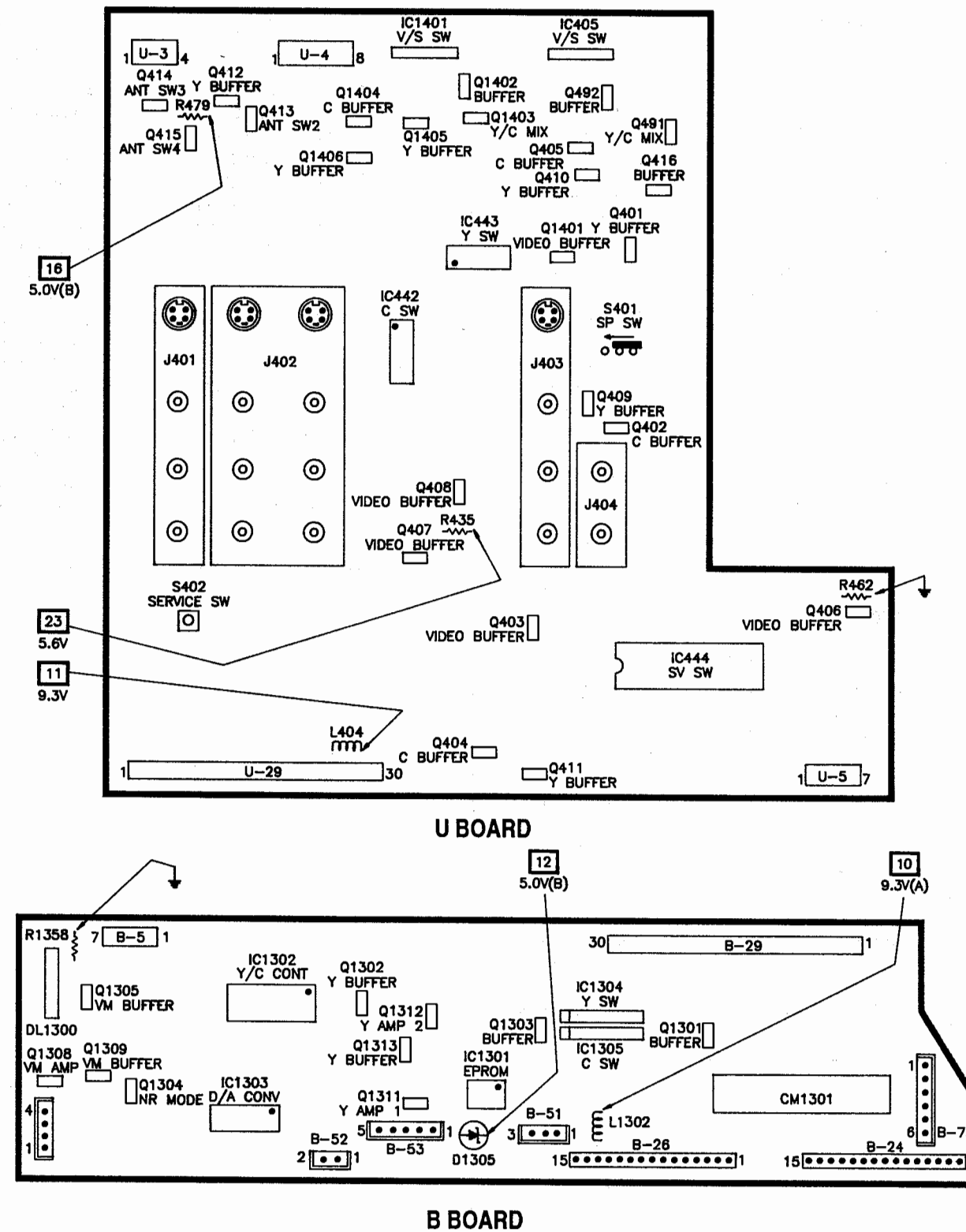
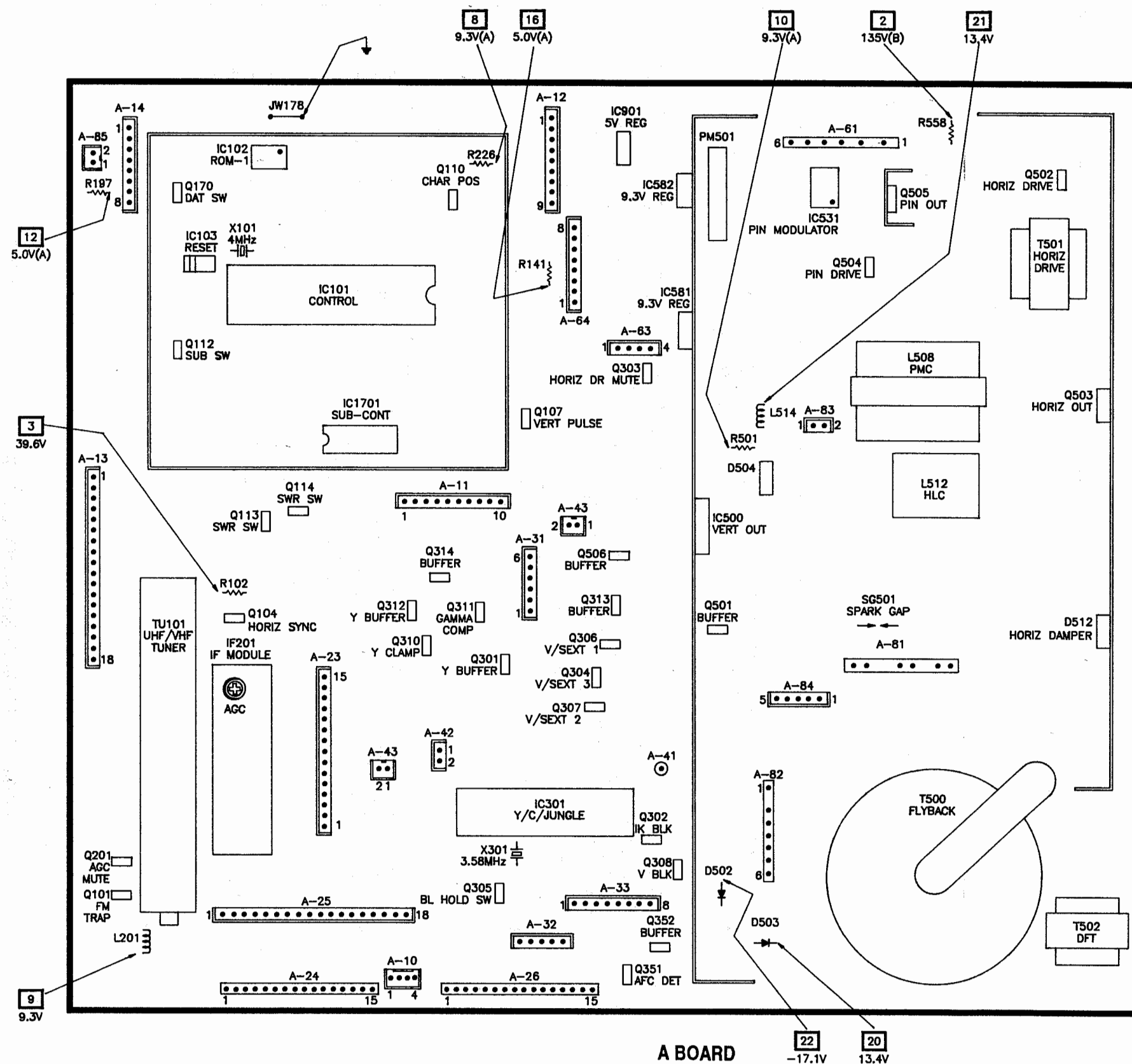
PARTS LIST continued

SEMICONDUCTORS continued					
(Select replacement for best results.)					
Item No.	Type No.	Mfr. Part No.	NTE Part No.	ECG Part No.	TCE Part No.
Q313, 14	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q351, 2	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q401, 2	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q403, 4	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q405, 6	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q407	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q408 - Q410	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q411 - Q414	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q415, 16	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q491, 2	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q501	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
Q502	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
	2SC2688LK	-	NTE157	ECG157	SK3747
Q503	2SC2688-LK	8-729-119-80	NTE157	ECG157	SK3747
	2SD1941	-	NTE2300	ECG2300	SK9476
Q504	2SD1941-06	8-729-304-50	NTE2300	ECG2300	SK9476
	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
Q505	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
	2SC3298B	-	-	-	-
Q506	2SC3298B-Y	8-729-208-72	-	-	-
	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
Q602	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
	2SD774K	-	NTE382	ECG382	SK3250
Q603	2SD774-34	8-729-140-96	NTE382	ECG382	SK3250
	2SA1091R	-	NTE288	ECG288	SK3434
Q604	2SA1091-O	8-729-200-17	NTE288	ECG288	SK3434
	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093

SEMICONDUCTORS continued					
(Select replacement for best results.)					
Item No.	Type No.	Mfr. Part No.	NTE Part No.	ECG Part No.	TCE Part No.
# Q651	2SD774K	-	NTE382	ECG382	SK3250
	2SD774-4	8-729-177-43	NTE382	ECG382	SK3250
Q652	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
Q653, 4	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
Q701	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
	2SC2611	8-729-326-11	NTE157	ECG157	SK3747
Q702	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q703	2SA1091-O	8-729-200-17	NTE288	ECG288	SK3434
Q704	2SC2611	8-729-326-11	NTE157	ECG157	SK3747
Q705	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q706, 7	2SA1091-O	8-729-200-17	NTE288	ECG288	SK3434
Q708	2SC2611	8-729-326-11	NTE157	ECG157	SK3747
Q709	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q710	2SC2551-O	8-729-255-12	NTE399	ECG399	SK9352
Q711	2SA1175F	-	NTE2362	ECG2362	SK3114A
	2SA1175	-	NTE2362	ECG2362	SK3114A
	2SA1175-HFE	8-729-119-76	NTE2362	ECG2362	SK3114A
Q712	2SC2551-O	8-729-255-12	NTE399	ECG399	SK9352
Q713	2SA1175F	-	NTE2362	ECG2362	SK3114A
	2SA1175	-	NTE2362	ECG2362	SK3114A
Q714 - Q716	2SA1175-HFE	8-729-119-76	NTE2362	ECG2362	SK3114A
	2SA1091-O	8-729-200-17	NTE288	ECG288	SK3434
Q1101 - Q1103	2SA1175F	-	NTE2362	ECG2362	SK3114A
	2SA1175	-	NTE2362	ECG2362	SK3114A
	2SA1175-HFE	8-729-119-76	NTE2362	ECG2362	SK3114A
Q1104	2SC2785E	-	NTE2361	ECG2361	SK3124A
Q1301	2SC2785-HFE	8-729-119-78	NTE2361	ECG2361	SK3124A
	2SC2785E	-	NTE2361	ECG2361	SK3124A
Q1302	2SC2785-HFE	8-729-119-78	NTE2361	ECG2361	SK3124A
	2SA1309AR	-	NTE2362	ECG2362	SK10094
Q1303	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
	2SC2785E	-	NTE2361	ECG2361	SK3124A
Q1304, 5	2SC2785-HFE	8-729-119-78	NTE2361	ECG2361	SK3124A
	2SC3311AR	-	NTE2361	ECG2361	SK10093
Q1308, 9	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093

For SAFETY use only equivalent replacement part.

PLACEMENT CHART continued



PARTS LIST continued

COILS (RF-IF)

Item No.	Rating	Mfr. Part No.
L101	100uH	1-408-421-00
L102	33uH	1-408-415-00
L201	8.2uH	1-408-408-00
L401	Coil 18uH	1-408-412-00
L404	Coil 10uH	1-410-663-31
L501	Coil	1-459-148-00
L503	Coil	1-422-613-11
# L505	Coil 33uH	1-410-669-41
L506	Coil 3.3uH	1-408-225-00
L507	Choke 1000uH	1-421-541-00
# L508	Pin Modulation	1-424-206-11
L509	Coil	1-422-613-11
L510	Coil	1-459-148-00
L511	Coil 3.3uH	1-408-225-00
# L512	Hor Lin	1-459-973-21
L513	Coil 8.2uH	1-408-698-00
# L514	Coil 8.2uH	1-408-698-21
L601	Coil	1-459-104-00
L657	Coil 45uH	1-459-155-00
L658	Coil 45uH	1-459-155-00
# L701	Coil 47uH	1-408-417-31
L702	Coil 100uH	1-408-421-00
L703	Coil 82uH	1-408-420-00
L704	Coil 12uH	1-408-410-00
L705	Coil 15uH	1-408-411-00
L706	Coil 100uH	1-408-421-00
L707	Coil 15uH	1-408-411-00
L1101	Coil 10uH	1-410-663-31
L1102	Coil 100uH	1-410-645-31
L1103	Coil 180uH	1-410-677-31
L1104	Coil 10uH	1-410-663-31
L1105	Coil 10uH	1-410-663-31
L1106	Coil 330uH	1-410-680-31
L1107	Coil 10uH	1-410-663-31
L1301	Coil 27uH	1-410-668-11
L1302	Coil 10uH	1-410-663-31
L1401	Coil 18uH	1-408-412-00
L1502	Coil	1-459-692-11
L1701	Coil 22uH	1-408-413-00
L2701	Coil 180uH	1-459-758-11

For SAFETY use only equivalent replacement part.

COILS (RF-IF) continued

Item No.	Rating	Mfr. Part No.
L3201	Coil 8.2uH	1-408-408-00
L3202	Coil 100uH	1-408-421-00
L3203	Coil 22uH	1-408-413-00
L3204	Coil 10uH	1-408-415-00
L3801	Coil 33uH	1-408-415-00
L3802	Coil 18uH	1-408-412-00
L3803	Coil 100uH	1-408-421-00
L3804	Coil 100uH	1-408-421-00
L3805	Coil 10uH	1-408-409-00
L3806	Coil 100uH	1-408-421-00
L3807	Coil 180uH	1-408-424-00
L3808	Coil 180uH	1-408-424-00
L3810	Coil 10uH	1-408-409-00
L3811	Coil 10uH	1-408-409-00
L7001	Coil 47uH	1-410-671-31
L7002	Coil 5.6uH	1-410-068-11
L7003	Coil 10uH	1-410-663-31
L7004	Coil 47uH	1-410-478-11
T1101	Coil -	1-404-607-11
T1102	Coil -	1-404-607-11

RESISTORS

Item No.	Rating	Mfr. Part No.	NTE Replacement
CP103	Resistor Network 10K x 5% x 3	1-236-491-11	-
CP108	Resistor Network 47K x 5% x 4	1-236-358-21	-
CP109	Resistor Network 47K x 5% x 3	1-236-358-21	-
CP110	Resistor Network 47K x 5% x 8	1-236-294-11	-
CP1101	Resistor Network 5000 x 1% x 7	1-236-176-11	-
CP1102	Resistor Network 5000 x 1% x 7	1-236-176-11	-
CP1103	Resistor Network 5000 x 1% x 7	1-236-176-11	-
CP3201	Resistor Network 47K x 5% x 7	1-236-493-11	-
CP3202	Resistor Network 22K x 5% x 3	1-236-490-11	-
R103	4700 5% 2W NF Mtl Flm	1-215-896-00	2W247
R144	4700 5% 2W NF Mtl Flm	1-215-896-00	2W247
R149	4700 5% 2W NF Mtl Flm	1-215-896-00	2W247
R251	8200 1% 1/6W Mtl Flm	1-215-443-00	-
R252	8200 1% 1/6W Mtl Flm	1-215-443-00	-
R257	10K 1% 1/6W Mtl Flm	1-215-445-00	-
R258	10K 1% 1/6W Mtl Flm	1-215-445-00	-
R266	30K 1% 1/6W Mtl Flm	1-215-456-00	-
R272	27K 1% 1/6W Mtl Flm	1-215-455-00	-
R273	27K 1% 1/6W Mtl Flm	1-215-455-00	-
R290	6800 1% 1/6W Mtl Flm	1-215-441-00	-
R291	6800 1% 1/6W Mtl Flm	1-215-441-00	-
R301	13K 1% 1/6W Mtl Flm	1-215-448-00	-
R306	1000 1% 1/6W Mtl Flm	1-215-421-00	-
R323	33K 1% 1/6W Mtl Flm	1-215-457-00	-
R484	27K 1% 1/6W Mtl Flm	1-215-455-00	-
R485	180K 1% 1/6W Mtl Flm	1-215-475-00	-
R486	27K 1% 1/6W Mtl Flm	1-215-455-00	-
R487	180K 1% 1/6W Mtl Flm	1-215-475-00	-
R501	39K 1% 1/6W Mtl Flm	1-215-459-00	-
R502	1.5 5% 2W NF Mtl Flm	1-216-371-00	2W1D5
R504	11K 1% 1/6W Mtl Flm	1-215-446-00	-
R505	270 5% 2W NF Mtl Flm	1-216-453-00	2W127
R508	330 5% 1W NF Mtl Flm	1-215-866-11	1W133
R510	2.2 5% 1/4W NF Cbn Flm	1-249-385-11	QW2D2
R515	22 5% 1/4W NF Cbn Flm	1-247-692-11	QW022
# R516	.47 5% 1/4W NF Cbn Flm	1-249-443-51	-
# R517	3.3 5% 1W NF Mtl Flm	1-216-355-91	1W3D3

For SAFETY use only equivalent replacement part.

SONY

MODELS KV-27XBR55 (CHASSIS SCC-E28A-A)

SAFETY RELATED ADJUSTMENTS

R549 CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

The following adjustments should always be performed when replacing the following components IC301, PM501, R549, R564.

Preparation Before Confirmation.

1. Remove R663 on the F Board and connect a variable resistor (RV1 4.7K to 10K) between pin 1 of IC653 and B+ line.
2. Supply 120VAC +/- 2.0VAC with variable transformer.

Hold-down Operation Confirmation

1. Turn the Power switch on, and receive a white signal. Adjust ABL current to 1620 +/- 50uA with Picture and Bright Controls.
2. Increase B+ line voltage gradually by adjusting the resistor of RV1. Confirm that the MINIMUM voltage is less than 142.5V when the raster disappears during operation of the hold-down circuit.
Note: When the hold-down circuit starts operating, turn the set off immediately.
3. Turn the Power switch on, and receive a dot pattern. Adjust ABL current to 150 +/- 20uA with Picture and Bright controls.
4. Increase B+ line voltage gradually by adjusting RV1. Confirm that the MINIMUM voltage is less than 145V when the raster disappears during operation of hold-down circuit.
Note: When the hold-down circuit starts operating, turn the set off immediately.

Hold-down Readjustment

1. If Hold-down Operation Confirmation cannot be satisfied, readjustment should be performed by altering the resistance value of R549.

R576 CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

The following adjustments should always be performed when replacing the following components IC301, IC653, PM501, D539, C556, R556, R564, R567, R663, T500.

Preparation Before Confirmation.

1. Turn the Power switch on, and receive a white signal. Set the Picture and Bright Controls to Maximum.
2. Confirm that the voltage at pin 2 of Check Terminal F-5 (F Board) is more than 127V when the set is operating normally with 120VAC supply.

Hold-down Operation Confirmation

1. Turn the Power switch on, and receive a white screen. Adjust ABL current to 1620 +/- 50uA with Picture and Bright Controls.
2. Gradually apply DC voltage to pin 2 of Check Terminal F-5 (F Board), and confirm that the voltage is less than 145V when raster disappears during operation of the hold-down circuit.
Note: When the hold-down circuit starts operating, turn the set off immediately.
3. Turn the Power switch on, and receive a dot pattern. Adjust ABL current to 150 +/- 20uA with Picture and Bright Controls.
4. Gradually apply DC voltage to pin 2 of Check Terminal F-5 (F Board), and confirm that the voltage is less than 145V when raster disappears during operation of the hold-down circuit.
Note: When the hold-down circuit starts operating, turn the set off immediately.

Hold-down Readjustment

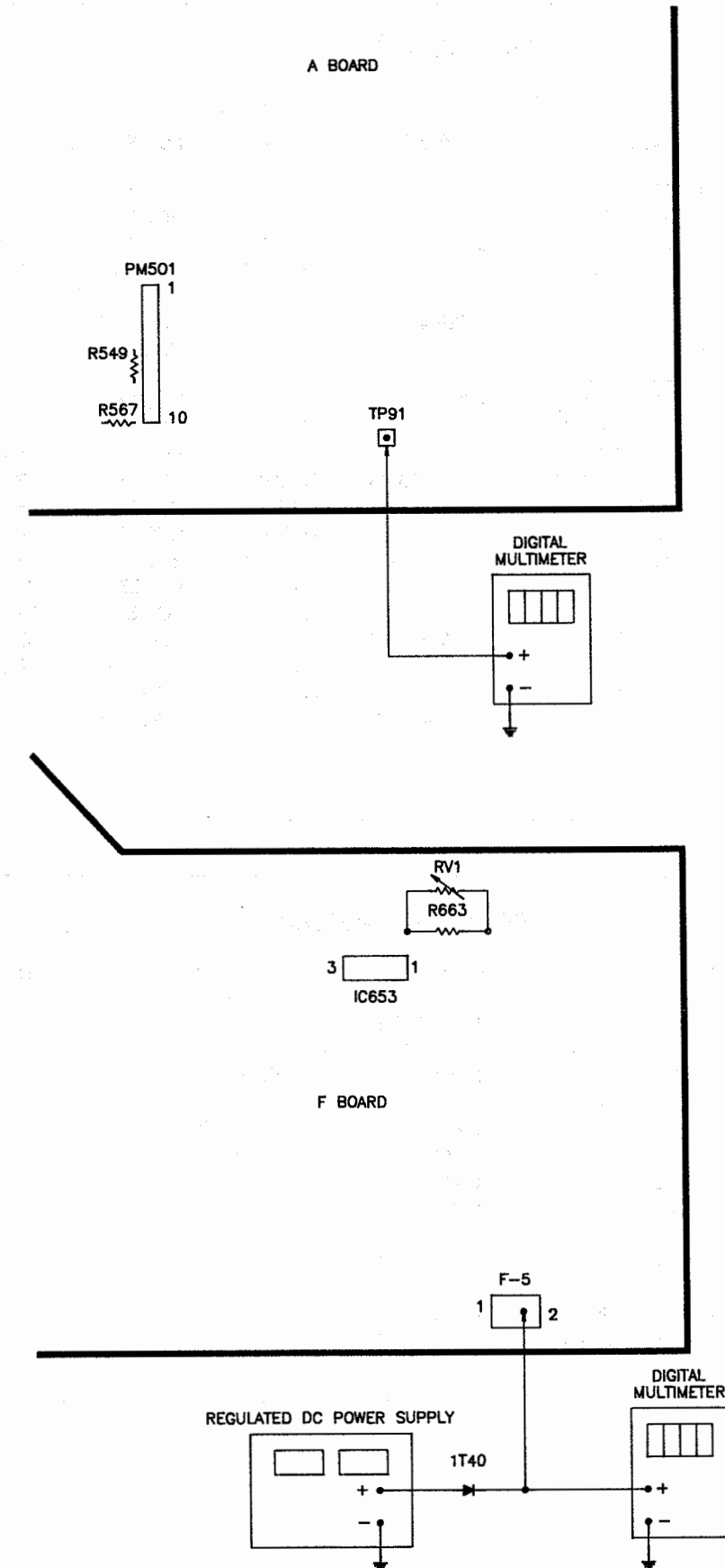
1. If Hold-down Operation Confirmation cannot be satisfied, readjustment should be performed by altering the resistance value of R567.

B+ VOLTAGE CONFIRMATION

The following adjustment should always be performed when replacing IC653 and R663.

1. Supply 130VAC +/- 1VAC with variable auto-transformer.
2. Receive a monoscope signal.
3. Set Picture and Bright Controls to initial reset position.
4. Confirm that the voltage at TP91 is less than 137V.
5. If step 4 cannot be satisfied, replace IC653 and R663. Repeat above steps.

SAFETY RELATED ADJUSTMENTS



Courtesy of Manufacturer

PARTS LIST continued

SEMICONDUCTORS continued

(Select replacement for best results.)

Item No.	Type No.	Mfr. Part No.	NTE Part No.	ECG Part No.	TCE Part No.
Q7026 - Q7030	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q7031	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q7032, 33, 35	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q7036	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q7037	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093
Q7038	2SA1309AR	-	NTE2362	ECG2362	SK10094
	2SA1309A	-	NTE2362	ECG2362	SK10094
	2SA1309A-QRS	8-729-423-44	NTE2362	ECG2362	SK10094
Q7301	2SC3311AR	-	NTE2361	ECG2361	SK10093
	2SC3311A	-	NTE2361	ECG2361	SK10093
	2SC3311A-QRS	8-729-423-37	NTE2361	ECG2361	SK10093

COILS & TRANSFORMERS

Item No.	Function	Mfr. Part No.	On-Unit No.	Russell Part No.
# L508	Pin Modulation	1-424-210-11	-	-
# L512	Horizontal Linearity	1-459-973-21	-	-
# L550	Yoke Horiz .74mh Vert 24mh	1-451-315-11	Y34FXA	-
# T500	Flyback	1-439-455-11(1)	1-439-456-11	FBT-289
# T501	Horizontal Drive	1-437-195-12	437-195	-
# T601	Line Filter	1-424-220-21	-	-
# T602	Line Filter	1-424-205-21	-	-
# T603	Power	1-448-916-11	70B137D	-
# T651	Switching	1-449-607-11	-	-

For SAFETY use only equivalent replacement part.
(1) Focus part of Horizontal Output Transformer #T500.

CONTROLS

(All wattages 1/2 watt or less, unless otherwise listed.)

Item No.	Function	Resistance	Mfr. Part No.
RV701	G 2	2.2M	1-230-641-11
# RV702	Horiz Stat	110M	1-230-619-11
RV3101	Sub Volume	10K	1-238-016-11
RV3801	Sub Contrast	4700	1-238-015-11
RV3802	Sub Color	22K	1-228-995-00
RV3804	Sub Hue	22K	1-238-017-11
RV3805	Green Drive	470	1-228-989-00
RV3806	Blue Drive	470	1-228-989-00

For SAFETY use only equivalent replacement part.

CAPACITORS

Item	Rating	Mfr. Part No.
# C519	.024 2KV 3%	1-136-897-11
# C522	.068 630V 5%	1-136-896-51
# C601	.47 125V 20%	1-136-311-51
# C605	.001 400V 10%	1-162-576-51
# C606	.0047 400V 20%	1-161-953-52
# C607	.0047 400V 20%	1-161-953-52
# C616	.47 125V 20%	1-136-311-51
C1112	120 N750 50V 5%	1-102-816-00
C1113	100 N750 50V 5%	1-102-973-00
C1115	100 N750 50V 5%	1-102-973-00
C1119	120 N750 50V 5%	1-102-816-00
C1126	2 50V .25pF	1-102-935-00
C1127	6 50V 1pF	1-102-943-00
C1160	10 50V .5pF	1-102-947-00
# C2602	.0047 50V 10%	1-102-125-91
# C2603	.0047 50V 10%	1-102-125-91
CP101	Cap Network 220pF x 10% x 4	1-231-682-00
CP102	Cap Network 220pF x 20% x 8	1-236-301-11
CP104	Cap Network 39pF x 5% x 3	1-232-682-11
CP105	Cap Network 220pF x 20% x 6	1-236-479-11
CP106	Cap Network 220pF x 20% x 6	1-236-479-11
CP7201	Cap Network 220pF x 20% x 6	1-236-479-11
CP7203	Cap Network 220pF x 20% x 6	1-236-479-11
CV3801	Trimmer	1-141-181-11

For SAFETY use only equivalent replacement part.

ELECTROLYTIC CAPACITORS

Item	Rating	Mfr. Part No.
C261	1 16V 20%	1-131-347-00
C267	3.3 16V 10%	1-131-368-00
C269	1 16V 20%	1-131-347-00
C320	1 50V 20% NP	1-124-499-11
# C502	1000 25V 20%	1-124-557-95
# C556	4.7 160V 20%	1-123-932-91
# C652	100 50V 20%	1-124-122-91
C7016	10 50V 20% NP	1-124-657-00

For SAFETY use only equivalent replacement part.

PARTS LIST continued

RESISTORS

Item No.	Rating	Mfr. Part No.	NTE Replacement
R518	4.7 5% 1/2W NF Cbn Flm	1-249-482-11	HW4D7
# R519	2200 5% 1W NF Mtl Flm	1-215-871-91	1W222
# R521	47K 5% 1/4W NF Cbn Flm	1-249-465-91	QW347
R522	680 5% 1W Mtl Flm	1-215-868-00	1W168
R523	.27 5% 1W NF Mtl Oxd	1-216-342-11	1WD27
R524	470 5% 2W NF Mtl Flm	1-215-890-11	2W147
R528	10 5% 2W NF Mtl Flm	1-215-880-00	2W010
R531	820 5% 3W NF Mtl Flm	1-216-480-11	3W156
R539	820 5% 3W NF Mtl Flm	1-216-480-11	3W156
R541	4700 1% 1/6W Mtl Flm	1-215-437-00	-
R552	100 5% 1/4W NF Cbn Flm	1-249-405-11	QW110
R555	5600 5% 1/4W NF Cbn Flm	1-247-722-11	QW256
# R556	4.7 5% 1/4W NF Cbn Flm	1-249-455-91	QW4D7
R558	470 5% 2W NF Mtl Flm	1-215-890-11	2W147
# R559	8.2 5% 2W NF Mtl Flm	1-216-380-91	2W8D2
R562	39 5% 1/2W NF Cbn Flm	1-247-734-11	HW039
R563	470 5% 2W NF Mtl Flm	1-215-890-11	2W147
# R564	4700 5% 1/4W Cbn Flm	1-247-847-91	QW247
# R571	3.3 5% 1W NF Fusible	1-213-048-61	FIW13D3
# R572	4.7 5% 2W NF Mtl Flm	1-216-377-91	2W4D7
# R573	4.7 5% 2W NF Mtl Flm	1-216-377-91	2W4D7
# R574	220 5 1/4W NF Cbn Flm	1-249-409-11	QW122
# R601	2.2M 10% 1/2W Cbn Cmp	1-202-723-51	HW522
# R602	1.5 5% 20W NF WW	1-205-985-21	-
R603	68 5% 2W NF Mtl Flm	1-215-885-00	2W068
# R605	2.2M 10% 1/2W Cbn Cmp	1-202-723-51	HW522
R606	68 5% 2W NF Mtl Flm	1-215-885-00	2W068
R611	.47 10% 3W NF WW	1-207-645-00	-
R612	1000 5% 1/4W NF Cbn Flm	1-249-417-11	QW102
# R619	.22 5% 1W NF Mtl Flm	1-216-341-51	1WD22
R620	82K 5% 1W NF Mtl Flm	1-216-444-11	1W382
R623	1200 5% 2W NF Mtl Flm	1-216-457-00	2W212
R624	1800 5% 2W NF Mtl Flm	1-216-458-11	2W218
R651	.1 10% 2W NF WW	1-207-612-00	-
R652	.1 10% 2W NF WW	1-207-612-00	-
R653	1500 5% 2W NF Mtl Flm	1-215-893-11	2W215
R654	33 10% 7W NF WW	1-205-945-11	-
# R660	560 5% 1/4W NF Cbn Flm	1-249-414-51	QW156
R662	68K 5% 1/4W NF Cbn Flm	1-249-467-11	QW368
# R663	330 5% 1/4W NF Cbn Flm	1-247-706-91	QW133
R670	6800 5% 1/4W NF Cbn Flm	1-249-427-11	QW268
R672	4.7 5% 1/4W NF Cbn Flm	1-249-455-11	QW4D7
R675	15 5% 2W NF Mtl Flm	1-215-881-11	2W015
R676	18 5% 2W NF Mtl Flm	1-216-446-00	2W018
R690	33 10% 7W NF WW	1-205-945-11	-
R691	82K 5% 2W NF Mtl Flm	1-216-468-11	2W382

For SAFETY use only equivalent replacement part.

RESISTORS continued

Item No.	Rating	Mfr. Part No.	NTE Replacement
R692	82K 5% 2W NF Mtl Flm	1-216-468-11	2W382
R693	82K 5% 2W NF Mtl Flm	1-216-468-11	2W382
R694	82K 5% 2W NF Mtl Flm	1-216-468-11	2W382
R695	82K 5% 2W NF Mtl Flm	1-216-468-11	2W382
R696	47 10% 5W NF WW	1-207-682-00	5W047
R701	1.8 5% 3W NF Mtl Flm	1-216-392-11	3W1D8
# R713	8200 5% 3W NF Mtl Flm	1-216-486-51	3W282
# R716	8200 5% 3W NF Mtl Flm	1-216-486-51	3W282
# R720	8200 5% 3W NF Mtl Flm	1-216-486-51	3W282
R731	220 5% 1/4W NF Cbn Flm	1-247-704-11	QW122
R732	220 5% 1/4W NF Cbn Flm	1-247-704-11	QW122
R733	220 5% 1/4W NF Cbn Flm	1-247-704-11	QW122
R740	47K 5% 2W 2W NF Mtl Flm	1-215-902-11	2W347
R742	10K 5% 1/4W NF Cbn Flm	1-249-429-11	QW310
R743	10K 5% 1/4W NF Cbn Flm	1-249-429-11	QW310
R744	10K 5% 1/4W NF Cbn Flm	1-249-725-11	QW310
R745	1000 5% 1/4W NF Cbn Flm	1-247-713-11	QW210
R746	47K 5% 1W NF Mtl Flm	1-215-902-11	1W347
R747	10K 5% 1/4W NF Cbn Flm	1-247-725-11	QW310
R1134	3000 1% 1/6W Mtl Flm	1-215-432-00	-
R2422	2200 1% 1/4W Mtl Flm	1-214-737-00	-
R2423	2200 1% 1/6W Mtl Flm	1-215-429-00	-
R2424	820 1% 1/6W Mtl Flm	1-215-419-00	-
R2425	820 1% 1/6W Mtl Flm	1-215-419-00	-
R2426	390 1% 1/6W Mtl Flm	1-215-411-00	-
R2427	390 1% 1/6W Mtl Flm	1-215-411-00	-
R2454	5600 1% 1/6W Mtl Flm	1-215-439-00	-
R2455	2700 1% 1/6W Mtl Flm	1-215-431-00	-
R2461	5600 1% 1/6W Mtl Flm	1-215-439-00	-
R2462	2700 1% 1/6W Mtl Flm	1-215-431-00	-
R2465	820 1% 1/6W Mtl Flm	1-215-419-00	-
R2466	820 1% 1/6W Mtl Flm	1-215-419-00	-
R2467	27 1% 1/6W Mtl Flm	1-215-383-00	-
R2468	27 1% 1/6W Mtl Flm	1-215-383-00	-
R2469	39 1% 1/6W Mtl Flm	1-215-387-00	-
# R2470	2.2 5% 1/4W NF Cbn Flm	1-249-385-91	QW2D2
# R2471	2.2 5% 1/4W NF Cbn Flm	1-249-385-91	QW2D2
R2483	3900 1% 1/6W Mtl Flm	1-215-435-00	-

For SAFETY use only equivalent replacement part.

PARTS LIST continued

MISCELLANEOUS continued

Item No.	Description	Mfr. Part No.	Notes
# TU101	Tuner	1-463-771-11(1)	-
# V901	CRT	A68JMT50X	-
X101	Vibrator	1-577-082-11	Ceramic
X301	Oscillator	1-567-505-11	Crysta
X3201	Oscillator	1-567-192-11	-
X3801	Oscillator	1-567-505-11	-
X7001	Vibrator	1-577-071-11	-
	Board	A-1135-669-A(1)	B
	Board	A-1195-040-A(1)	P
	Board	1-638-668-11(1)	F1
	Board	A-1245-527-A(1)	F
	Board	A-1296-830-A(1)	A
	Board	1-635-250-11(1)	X1
	Board	A-1331-138-A(1)	C
	Board	A-1345-039-A(1)	V
	Board	A-1385-095-A(1)	K
	Board	A-1394-308-A(1)	T
	Board	1-638-008-11(1)	H6
	Board	1-629-628-11(1)	FO
	Board	1-638-001-11(1)	J
	Board	1-634-376-11(1)	S
	Board	A-1394-283-A(1)	U
	Magnet	1-452-032-00	-
	Magnet	1-452-094-00	-
	Remote Transmitter	1-465-767-11(2)	-
		1-465-768-11(3)	-
	Socket	1-540-071-11	For CRT

For SAFETY use only equivalent replacement part.
(1) Contact PTS Electronics Corporation for replacement; order by manufacturer's part number.
(2) Model KV-27XBR55 (RM-Y107)
(3) Model KV-27XBR51 (RM-Y106)

SPEAKERS

Item No.	Description	Mfr. Part No.	QuamPart No.
SP1, SP2	8 Ohm 5W	1-544-320-11	-
SP3	8 Ohm 20W	1-544-221-11	-

Important Parts Information

- The parts listed here are those not usually available from a well-stocked supply cabinet or bin.
- Where items may be replaced with equivalent parts, several alternates are shown from participating vendors.
- On the parts lists, safety items are marked with a # to remind you that only exact replacements are recommended for these items.
- When ordering parts, state the model number, part number, and description.

Obtaining Parts

Many of these parts are available from your local Sams authorized distributor or the manufacturer of the equipment. Call Sams for the name of your nearest distributor:

800-428-7267

Or consult the Sams *Annual Index* for the address of the original equipment manufacturer.

Participating Vendors

Information on test equipment and replacement parts is listed in these pages for the following participating vendors. Consult the Sams *Annual Index* for their current address.

- B&K Precision
- Custom Components Corporation (Chek-A-Color)
- EVG / Russell Industries, Inc.
- NTE Electronics, Inc. (NTE)
- Philips ECG Company (ECG)
- PTS Electronics Corporation (PTS)
- Quam-Nichols Co. (Quam)
- Sencore, Inc.
- Thomson Consumer Electronics, Inc. (SK, TCE)



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R. Bryant, B. Buchanan,
D. Curran, G. Farrell, B. Fink,
M. Herkless, M. McDonald,
B. Smith, J. Watson

PARTS LIST continued

RESISTORS continued

Item No.	Rating	Mfr. Part No.	NTE Replacement
R2484	3900 1% 1/6W Mtl Flm	1-215-435-00	-
R2485	3900 1% 1/6W Mtl Flm	1-215-435-00	-
R2486	3900 1% 1/6W Mtl Flm	1-215-435-00	-
R2489	390 1% 1/6W Mtl Flm	1-215-411-00	-
R2490	27 1% 1/6W Mtl Flm	1-215-383-00	-
R2492	390 1% 1/6W Mtl Flm	1-215-411-00	-
R2493	27 1% 1/6W Mtl Flm	1-215-383-00	-
# R2494	2.2 5% 1/4W NF Cbn Flm	1-249-385-91	QW2D2
# R2495	2.2 5% 1/4W NF Cbn Flm	1-249-385-91	QW2D2
R2602	22 5% 2W NF Mtl Flm	1-215-882-00	2W022
R2603	56 5% 1W NF Mtl Flm	1-216-425-11	1W056
R2604	.47 5% 1/4W NF Cbn Flm	1-249-443-11	-
R2701	8.2 10% 7W NF WW	1-207-958-00	-
R7201	6.8 5% 2W NF Mtl Flm	1-216-379-11	2W6D8
# R3202	47 5% 2W NF Mtl Flm	1-215-884-91	2W047
# R3204	47 5% 2W NF Mtl Flm	1-215-884-91	2W047
R3206	36K 1% 1/6W Mtl Flm	1-215-458-00	-
R3217	4700 5% 2W NF Mtl Flm	1-215-896-00	2W247
# R3239	18 5% 2W NF Mtl Flm	1-216-446-91	2W018
# R3240	18 5% 2W NF Mtl Flm	1-216-446-91	2W018
# R3241	27 5% 2W NF Mtl Flm	1-216-447-91	2W027
# R3281	82 5% 2W NF Mtl Flm	1-216-450-91	2W082
R3287	1000 1% 1/6W Mtl Flm	1-215-421-00	-
# THP601	233 Cold PTC	1-808-081-23	-

For SAFETY use only equivalent replacement part.

CABINET PARTS

MODEL KV-27XBR51

Item	Part No.
Button Assembly	X-4029-610-1
Button, Power	X-393-467-01
Cabinet Assembly	X-4029-452-2
Cover, Rear	X-4393-417-1
Speaker Block Assembly	A-1478-508-A
Woofer Block Assembly	A-1478-507-A

MODEL KV-27XBR55

Item	Part No.
Button Assembly	X-4029-610-1
Button, Power	X-393-467-01
Cabinet Assembly	X-4029-452-1
Cover, Rear	X-4029-453-1
Speaker Block Assembly	A-1478-508-A
Woofer Block Assembly	A-1478-507-A

MISCELLANEOUS

Item No.	Description	Mfr. Part No.	Notes
CM1301	Filter	1-464-880-11	Block
DL1300	Delay Line	1-415-831-11	-
DL3801	Delay Line	1-415-240-00	-
# F601	Fuse	1-532-748-11	-
	6.3Amp 125V	-	-
FB655	Ferrite Bead	1-410-397-21	-
FB658	Ferrite Bead	1-410-396-41	-
FB659	Ferrite Bead	1-410-397-21	-
FB660	Ferrite Bead	1-410-396-41	-
FB662	Ferrite Bead	1-410-397-21	-
FB663	Ferrite Bead	1-410-397-21	-
FB664	Ferrite Bead	1-410-397-21	-
FL1101	Filter	1-236-129-11	-
FL1103	Filter	1-236-129-11	-
FL1109	Filter	1-236-129-11	-
FL1110	Filter	1-236-129-11	-
FL1111	Filter	1-236-164-11	-
FL1116	Filter	1-236-071-11	-
FL1120	Filter	1-236-164-11	-
FL1121	Filter	1-236-129-11	-
FL1129	Filter	1-236-163-11	-
FL1130	Filter	1-236-163-11	-
FL1132	Filter	1-236-071-11	-
FL1144	Filter	1-236-129-11	-
FL1147	Filter	1-236-163-11	-
FL1148	Filter	1-236-163-11	-
IF201	IF Block	1-464-755-21	-
IF3201	IF Block	1-464-755-21	-
# L600	Degaussing	1-426-350-11	-
L659	Ferrite Bead	1-459-407-00	-
NL501	Lamp	1-519-108-99	Neon
# P600	Cord AC Line	1-590-492-11	-
# PM501	Module, Protector	1-808-690-11	-
# RY601	Relay	1-515-684-22	-
# S51	Switch	1-561-532-23	Power
S52	Switch	1-561-532-21	-
S53	Switch	1-571-532-21	-
S54	Switch	1-571-532-21	-
S55	Switch	1-571-532-21	-
S56	Switch	1-571-532-21	-
S57	Switch	1-571-532-21	-
S401	Switch	1-571-729-11	-
S402	Switch	1-554-303-21	-
SG501	Spark Gap	1-519-422-11	-

For SAFETY use only equivalent replacement part.

SONY

MODELS KV-27XBR55 (CHASSIS SCC-E28A-A)

NOTES