

SAFETY PRECAUTIONS

SERVICE WARNING

Only qualified service technicians who are familiar with safety checks and guidelines should perform service work. Before replacing parts, disconnect power source to protect electrostatically sensitive parts. Do not attempt to modify any circuit unless so recommended by the manufacturer. When servicing the receiver, use an isolation transformer between the line cord and power receptacle.

SERVICING THE HIGH VOLTAGE AND CRT

Use EXTREME CAUTION when servicing the high voltage circuits. To discharge static high voltage, connect a 10K ohms resistor in series with a test lead between the receiver ground and CRT anode lead. DO NOT lift the CRT by the neck. Always wear shatterproof goggles when handling the CRT 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 CRT is the only potential source of X-rays. Keep an accurate high voltage meter available at all times. Check meter calibration periodically. Whenever servicing a receiver, check the high voltage at various brightness levels to be sure it is regulating properly. 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. When troubleshooting a receiver with excessive high voltage, avoid close contact with the CRT. DO NOT operate the receiver longer than necessary. To locate the cause of excessive high voltage, use a variable AC transformer to regulate voltage. In present receivers, 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.

GENERAL GUIDELINES

Perform a final SAFETY CHECK before returning receiver to customer. Check repaired area for poorly soldered connections, and check entire circuit board for solder splashes. Check board wiring for pinched wires or wires contacting any high wattage resistors. 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.

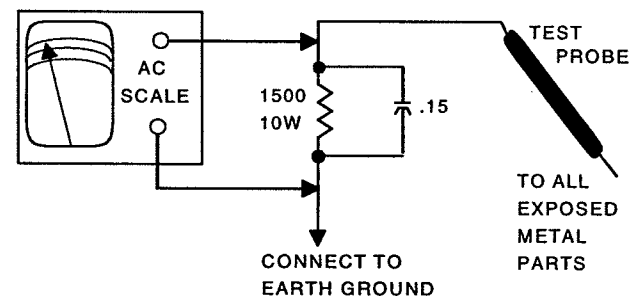
SAFETY CHECKS — FIRE AND SHOCK HAZARD

Cold Leakage Checks for Receivers with Isolated Ground

Unplug the AC cord, connect a jumper across the plug prongs, and turn the power switch on (if applicable). Use an ohmmeter to measure the resistance between the jumped 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 1M ohms and 5.2M ohms. Parts without a return path must measure infinity.

Hot Leakage Current Check

Plug the AC cord directly into an AC outlet. DO NOT use an isolation transformer. Use a 1500 ohms, 10W resistor in parallel with a .15µF capacitor to connect between any exposed metal parts on the receiver and a good earth ground. (See figure below.) Use an AC voltmeter with at least 5000 ohms per volt sensitivity to measure the voltage across the resistor. Check all exposed metal parts and measure voltage at each point. Voltage measurements should not exceed .75VAC, 500µA. Any value exceeding this limit constitutes a potential shock hazard and must be corrected. If the AC plug is not polarized, reverse the AC plug and repeat exposed metal part voltage measurement at each point.



HIGH VOLTAGE SHUTDOWN TEST

Apply 120VAC. Connect a jumper wire to XRP1 and XRP2. The set should go into shutdown, losing picture and sound. If set does not go into shutdown the shutdown circuit requires repair. To resume normal operation, remove jumper wire.

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

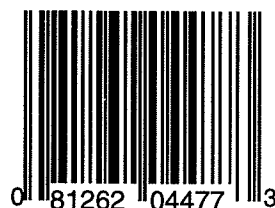
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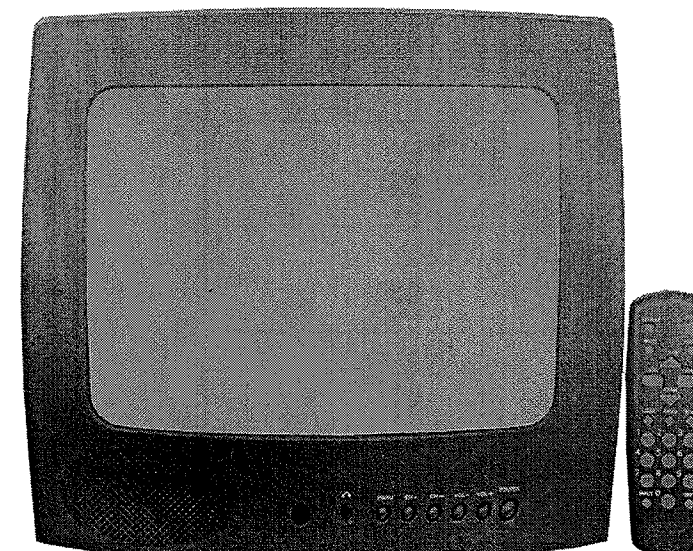
SET 4477

MODEL 13GP341F11 (CHASSIS TX808A)

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GE
Model 13GP341F11 (Chassis TX808A)



Representative Model

Essential coverage
for servicing a television receiver...

- Schematics
- Component locations
- Parts list

Coverage includes these additional models and chassis:

Models	Chassis
13GP341F21	TX808A
13GP344F11	TX808E
19GT243F11	TX808R

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For Supplier Address,
See PHOTOFACT Annual Index

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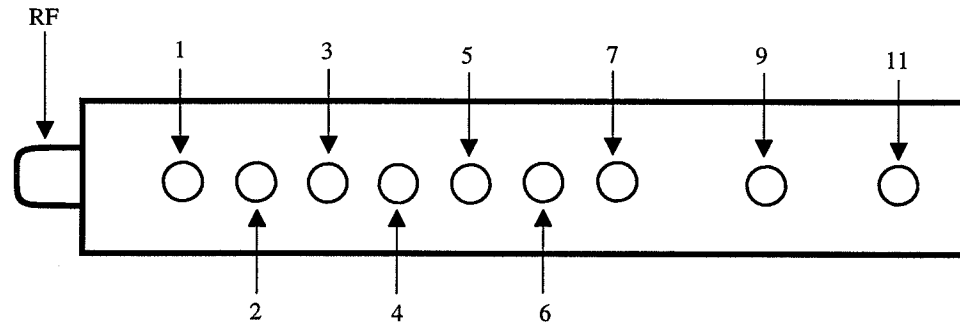
TUNER INFORMATION

TUNER VOLTAGE CHART

Pin	VHF Low Band	VHF High Band	UHF Band
1 AGC	2.6V	2.5V	3.0V
2 TU	1.4V	4.3V	5.5V
3 ADDRESS	2.5V	2.6V	2.6V
4 SCL	5.1V	5.1V	5.1V
5 SDA	4.4V	4.4V	4.4V
6 UB (5V)	5.2V	5.2V	5.2V
7 5V	5.2V	5.2V	5.2V
9 VT (32V)	34.3V	34.3V	34.3V
11 IF	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



TEST EQUIPMENT

Test equipment listed by participating manufacturer 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	Sencore No.
Oscilloscope	SC3100
Generators	
RGB	CM2125
Multiburst Signal	VG91
Color Bar	VG91
TV Stereo	VG91
Digital VOM	SC3100
Frequency Meter	SC3100
Hi-Voltage Probe	HP200
Accessory Probes	TP212
Isolation Transformer	PR570
Capacitance Analyzer	LC102
CRT Analyzer	CR7000
AC Leakage Tester	PR570
Inductance Analyzer	LC102
Flyback Yoke Tester	TVA92
Field Strength Meter	SL753
Transistor Tester	TF46
Horizontal Analyzer	HA-2500
Video Analyzer	VG91, TVA92

MISCELLANEOUS ADJUSTMENTS

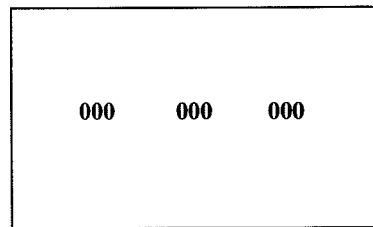
NOTE: All procedures require an antenna connected and power applied to the set.

HIGH VOLTAGE CHECK

Tune in a picture. Set brightness, contrast, and color to minimum. Connect a high voltage probe to the CRT anode. High voltage should measure 22kV to 23kV.

SERVICE MENU

The following adjustment procedures are accessed thru a service menu. To access the service menu, turn the receiver on, press the volume - button on the front panel and hold it down, press and release the channel + button, then the channel - button. The screen will display a one line menu, in the center is the parameter #, and on the right is the value of that parameter. Release buttons. Adjustments are made by selecting the proper parameter and changing the value of that parameter. To change the parameter number use channel + and - buttons. To adjust the current value of that parameter use volume + and - buttons. To access and change any of the adjustments, the proper parameter pass number must be entered.



To exit the service menu press the power button.

NOTE: Before making any changes on adjustments, record the on set values in case you need to restore the set to its original values.

COLOR TEMPERATURE

Tune in a crosshatch pattern. Preset the red, green, and blue bias values to midrange. Adjust screen control for a just visible pattern. Adjust green and blue drives to obtain a white raster. Check the low light to high light gray scale tracking. Repeat the procedure, if necessary, to obtain the best performance.

WHITE BALANCE

Operate the receiver for 15 minutes. Activate the service adjustment mode. Press the channel up button on the remote to select and select service numbers 3, 4, 5, 6, and 7. Set the data values to obtain white screen. Set brightness for a visible raster. Alternately adjust data value of service numbers 6 and 7 until a good gray scale with normal white is obtained. Set the data values for normal color level.

PURITY

NOTE: Operate the receiver for 15 minutes to allow warm-up of CRT. Use a degaussing coil to demagnetize the CRT.

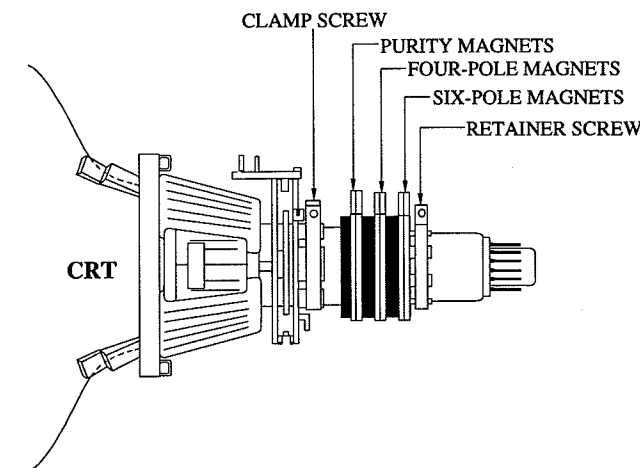
Set contrast to maximum. Set brightness and color to minimum. Tune in a green raster. Loosen the clamp screw and slide the deflection yoke back. Loosen the retainer screw. Adjust purity tabs to center the vertical green band. Slide the deflection yoke forward to produce a uniform green screen. Tighten the clamp and retainer screws.

CONVERGENCE

NOTE: Spread the two tabs of each set of magnets equally and opposite to converge vertically, and rotate both tabs in the same direction to converge horizontally. Since the four and six pole magnets interact, repeat the adjustment until center convergence is correct.

Tune in a crosshatch pattern. Remove rubber wedges between the deflection yoke and CRT. Tilt deflection yoke up or down to converge the vertical lines at the top and bottom of the screen and the horizontal lines at the left and right sides of the screen. Tilt the deflection yoke left or right to converge the horizontal lines at the top and bottom of the screen and the vertical lines at the left and right sides of the screen. Repeat convergence procedure if necessary to obtain the best overall convergence. Replace rubber wedges.

CRT NECK ASSEMBLY



SERVICE ADJUSTMENT PARAMETERS

Parameter No.	Parameter Name	On Set Value	Value Range	Comment
00	Pass number for service adjustment parameters.		Must set to 76	May not advance until value is set to 76.
01	VCO	88	0 - 127	Apply a 45.75MHz signal from a marker generator, with 20mV output level to pin 11 of the tuner (IF output). Adjust until the first three digits on the screen show 111.
02	AGC	36	0 - 63	Tune in a weak signal channel and adjust the value range for snow free picture. Tune in a strong signal channel, adjust LI04 for maximum audio output with minimum distortion.
03	Red Bias	118	0 - 255	Set to midrange then adjust the value with the other two colors to obtain a white screen.
04	Green Bias	158	0 - 255	Set to midrange then adjust the value with the other two colors to obtain a white screen.
05	Blue Bias	103	0 - 255	Set to midrange then adjust the value with the other two colors to obtain a white screen.
06	Green Drive	109	0 - 255	Adjust the value with the blue drive to obtain a gray scale with normal white.
07	Blue Drive	128	0 - 255	Adjust the value with the green drive to obtain a gray scale with normal white.
08	Peak White (Video Level)	23	0 - 52	Tune in colorbar signal, connect oscilloscope to the base of TI20. Adjust the value range to produce a 2.0Vp-p response on the scope.
09	Horizontal Phase	23	0 - 31	Adjust to center picture horizontally.
10	Vertical Amplitude	22	0 - 63	Adjust for slight vertical overscan at top and bottom.
11	Vertical Phase	07	0 - 7	Adjust to center picture vertically.

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

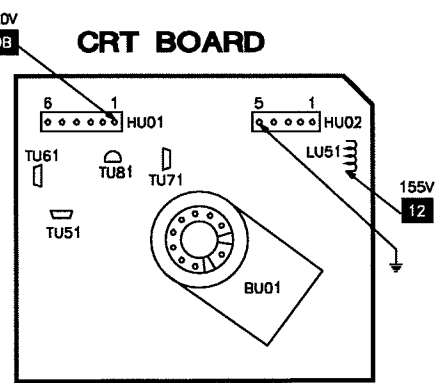
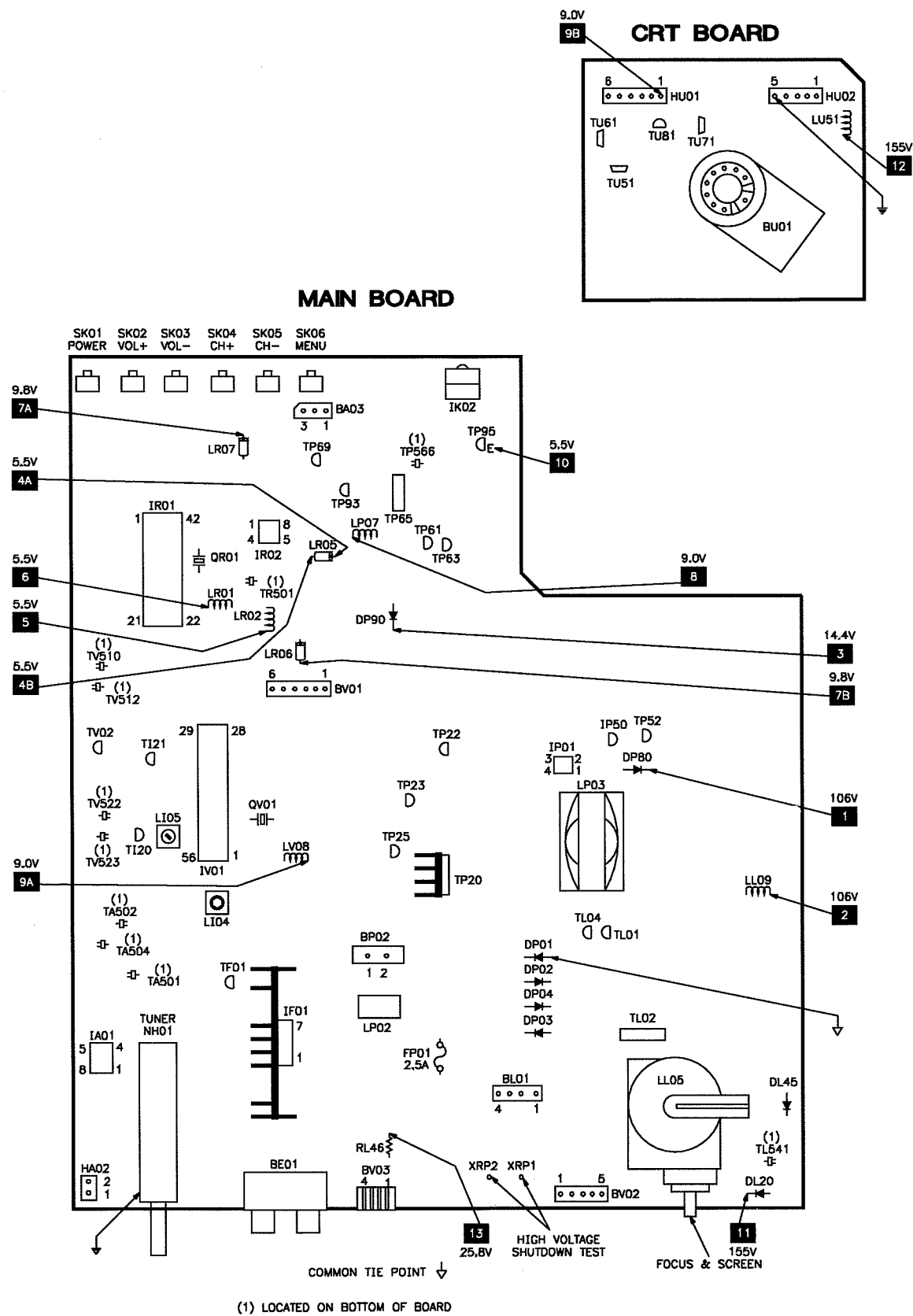
Or consult the Sams *Annual Index* for the address of the original equipment manufacturer.

Participating Vendors

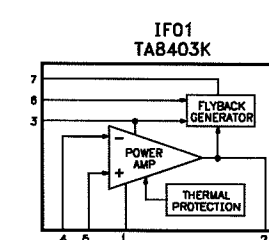
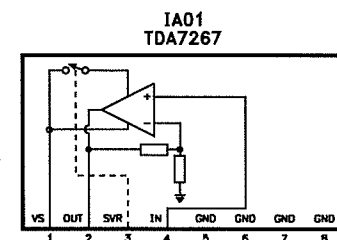
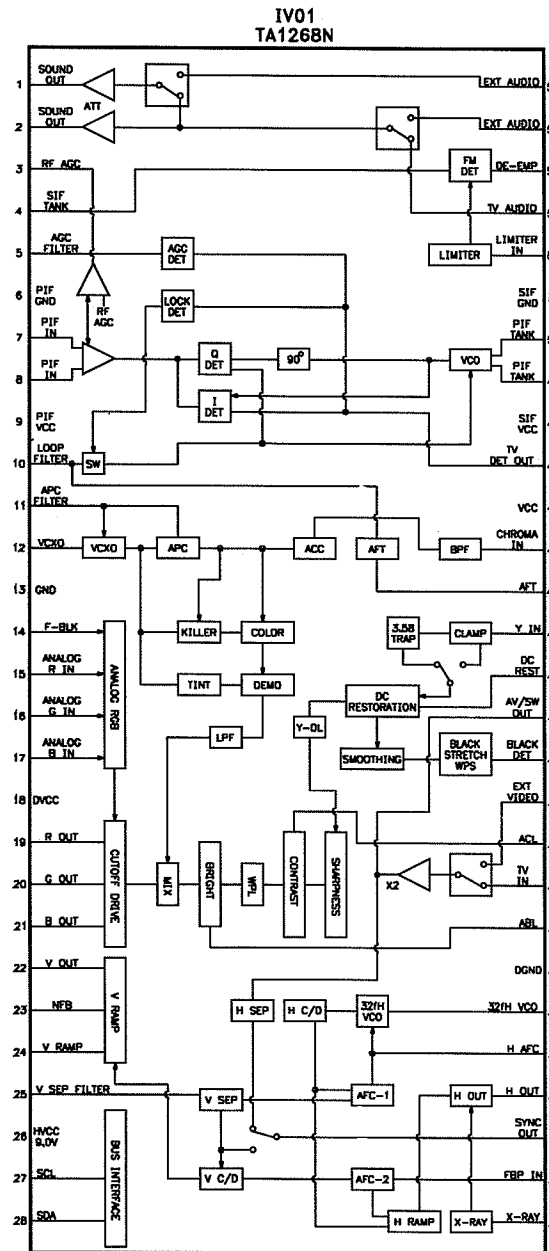
Information on test equipment and replacement parts is listed in these pages for the following participating vendors. Consult the Sams *Annual Index* for their current address.

- NTE Electronics, Inc. (NTE)
- Sencore, Inc.

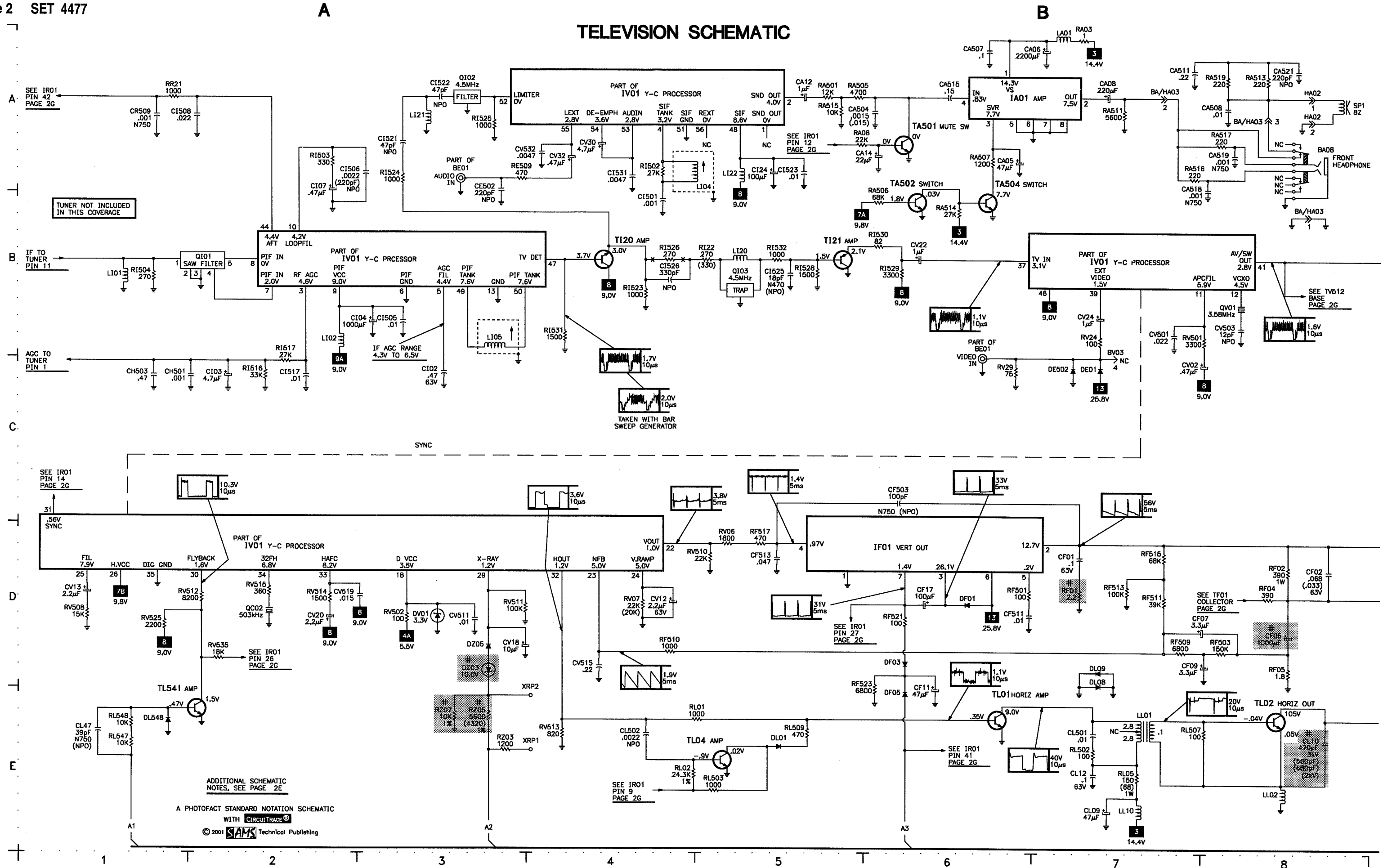
PLACEMENT CHART



IC FUNCTIONS



TELEVISION SCHEMATIC

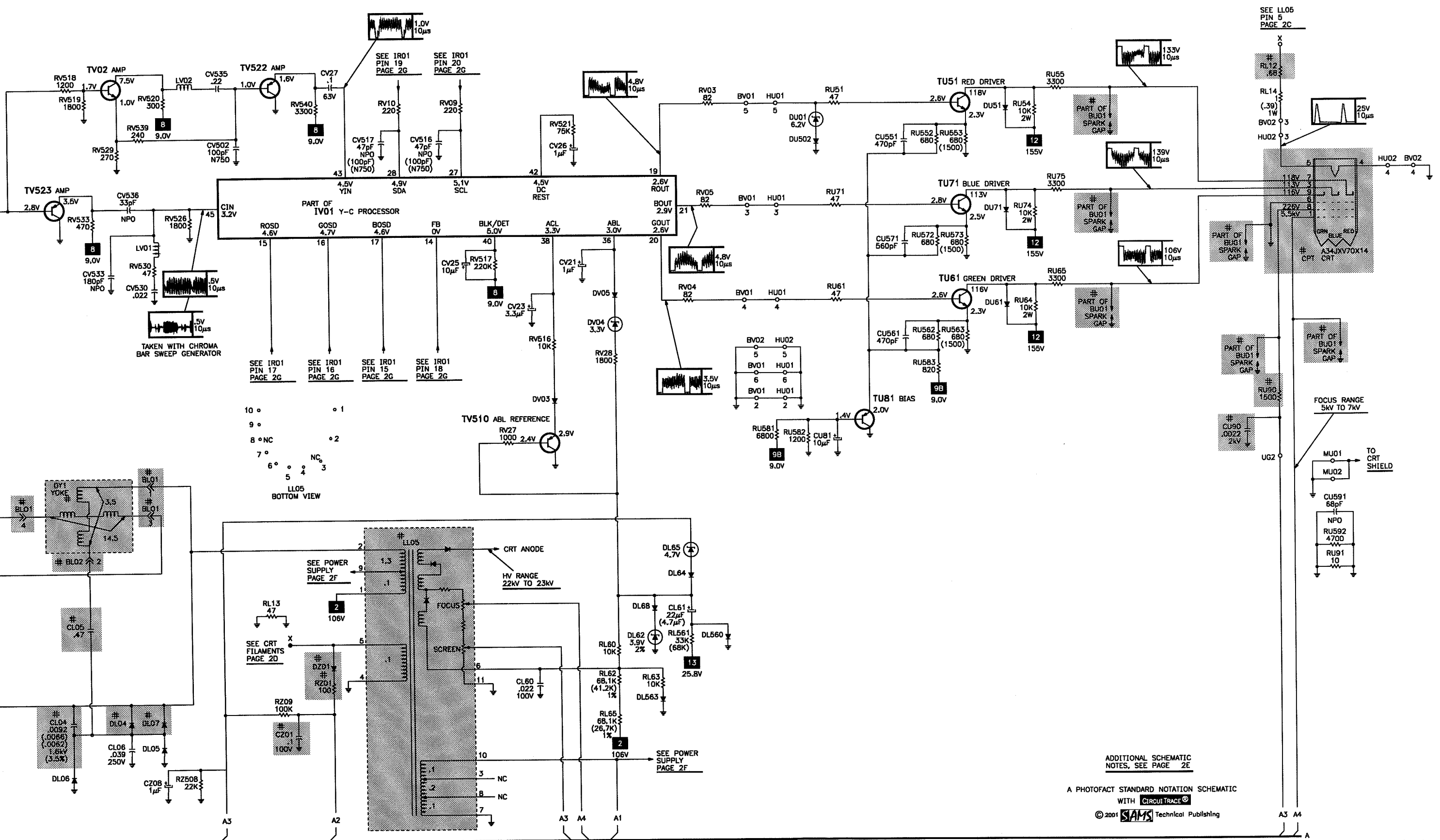


ADDITIONAL SCHEMATIC NOTES, SEE PAGE 2E
 A PHOTOFAC STANDARD NOTATION SCHEMATIC WITH CIRCUITRACE
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TELEVISION SCHEMATIC continued

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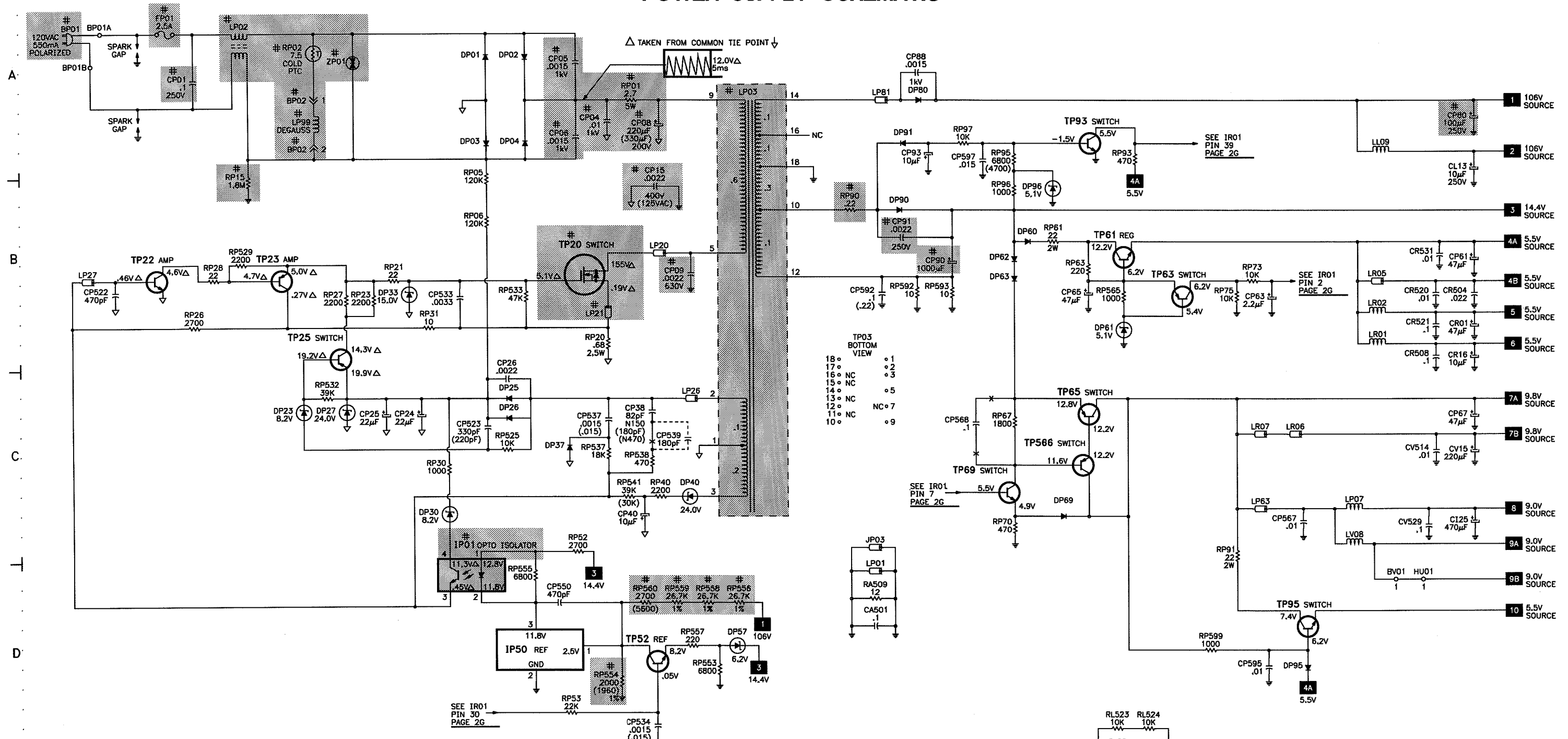


ADDITIONAL SCHEMATIC NOTES, SEE PAGE 2E

A PHOTOFAC STANDARD NOTATION SCHEMATIC WITH CIRCUIT TRACE
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9 10 11 12 13 14 15 16

POWER SUPPLY SCHEMATIC



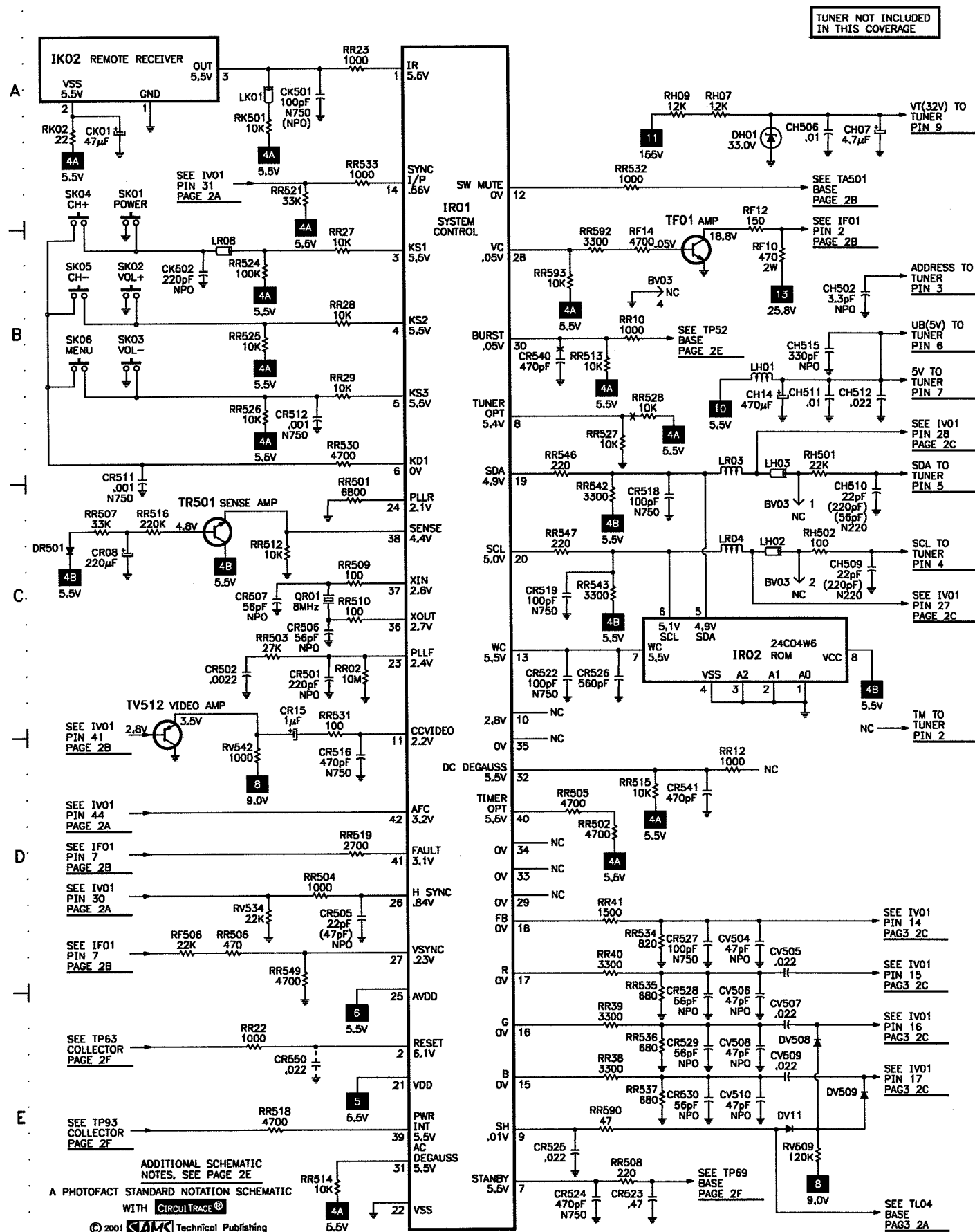
SCHEMATIC NOTES

- # For SAFETY use only equivalent replacement part, see parts list.
 - - - Circuitry not used in some versions.
 - Circuitry used in some versions.
 - ⏚ Ground
 - ⏚ Chassis ground
 - ∇ Common tie point
 - △ Taken from common tie point
 - 3 Schematic **CIRCUITRACE** Voltage source tie point.
 - A - Cabling: Heavy lines reduce use of multiple lines.
- Waveforms and voltages are taken from ground, unless otherwise noted.
 Waveforms taken with triggered scope and colorbar signal.
 Waveform voltage is peak to peak. Timebase is per division. Waveforms shown at 10 divisions.
 Supply voltages maintained as seen at input.
 Voltages measured with digital meter and a 1000µV RF signal, with colorbar pattern applied to antenna terminal.
 Controls adjusted for normal operation.
 Capacitors are 50 volts or less, 5% or greater unless noted.
 Electrolytic capacitors are 50 volts or less, 20% or greater unless noted.
 Resistors are 1/2W or less, 5% or greater unless noted.
 Value in () used in some versions.
 Measurements with switching as shown unless noted.
 Rated voltage shown on zener diodes.

A PHOTOFACT STANDARD NOTATION SCHEMATIC WITH **CIRCUITRACE**
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17 T 18 T 19 T 20 T 21 T 22 T 23 T 24 T

G SYSTEM CONTROL SCHEMATIC



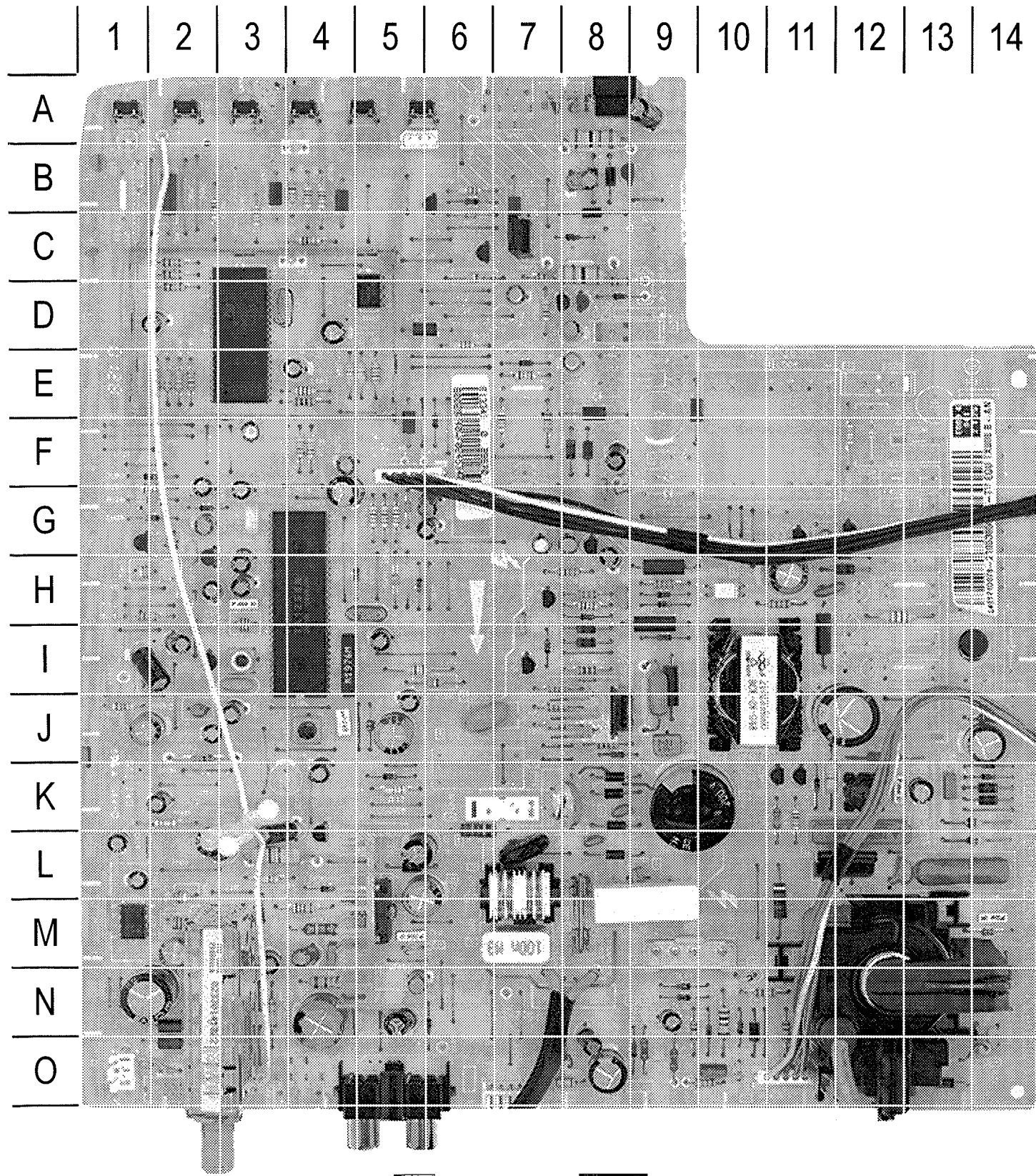
SCHEMATIC COMPONENT LOCATION GUIDE

BA08	A8	CL503	E23	CU83	E24	DP40	C20	LR03	C27	RL13	D10	RR39	E27	RV501	B7
BE01	B3	CL60	E11	CU90	C15	DP57	D20	LR04	C27	RL14	A16	RR40	D27	RV502	D3
BE01	C6	CL61	D12	CV02	C7	DP60	B22	LR05	B23	RL20	E22	RR41	D27	RV508	D1
BP01	A17	CP01	A17	CV12	D4	DP61	B22	LR06	C23	RL46	E23	RR501	C26	RV509	E27
CA05	A6	CP04	A19	CV13	D1	DP62	B22	LR07	C23	RL502	E7	RR502	D27	RV510	D5
CA06	A7	CP05	A19	CV15	C24	DP63	B22	LR08	B25	RL503	E5	RR503	C25	RV511	D3
CA08	A7	CP06	A19	CV18	D3	DP69	C22	LU51	E23	RL507	E7	RR504	D26	RV512	D2
CA12	A5	CP08	A20	CV20	D2	DP80	A21	LV01	B9	RL509	E5	RR505	D27	RV513	E4
CA14	A6	CP09	B20	CV21	B12	DP90	B21	LV02	A9	RL523	D22	RR506	D25	RV514	D2
CA501	D21	CP15	B20	CV22	B6	DP91	A21	LV08	C23	RL524	D22	RR507	C25	RV515	D2
CA504	A6	CP24	C19	CV23	C11	DP95	D23	QC02	D2	RL547	E1	RR508	E27	RV516	C12
CA507	A6	CP25	C18	CV24	B7	DP96	B22	QI01	B1	RL548	E1	RR509	C26	RV517	B11
CA508	A8	CP26	C19	CV25	B11	DR501	C25	QI02	A3	RL561	D12	RR510	C26	RV518	A9
CA511	A7	CP38	C20	CV26	B12	DU01	B13	QI03	B5	RL60	D12	RR512	C25	RV519	A9
CA515	A6	CP40	C20	CV27	A10	DU502	B13	QR01	C26	RL62	E12	RR513	B27	RV520	A9
CA518	B7	CP522	B17	CV30	A4	DU51	B14	QV01	B8	RL63	E12	RR514	E26	RV521	B12
CA519	A8	CP523	C19	CV32	A4	DU61	C14	RA03	A7	RL65	E12	RR515	D27	RV525	D1
CA521	A8	CP533	B19	CV501	B7	DU71	B14	RA08	A5	RP01	A20	RR516	C25	RV526	B10
CE502	B3	CP534	D20	CV502	B10	DV01	D3	RA501	A5	RP02	A18	RR518	E25	RV529	B9
CF11	E6	CP537	C19	CV503	B8	DV03	C12	RA505	A5	RP05	B19	RR519	D26	RV530	B9
CF15	E24	CP539	C20	CV504	D27	DV04	C12	RA506	B5	RP06	B19	RR521	A26	RV533	B9
CF17	D6	CP550	D19	CV505	D27	DV05	C12	RA507	A6	RP15	B18	RR524	B25	RV534	D25
CF01	D7	CP567	C23	CV506	E27	DV11	E27	RA509	D21	RP20	B19	RR525	B25	RV535	D2
CF02	D8	CP568	C21	CV507	E27	DV508	E27	RA511	A7	RP21	B18	RR526	B25	RV539	B9
CF05	D8	CP592	B21	CV508	E27	DV509	E28	RA513	A8	RP23	B18	RR527	B27	RV540	A10
CF503	C6	CP595	D23	CV509	E27	DY1	D9	RA514	B6	RP26	B17	RR528	B27	RV542	D25
CF511	D6	CP597	B21	CV510	E27	DZ01	E10	RA515	A5	RP27	B18	RR530	C26	RZ01	E10
CF513	D5	CP61	B24	CV511	D3	DZ03	D3	RA516	B7	RP28	B17	RR531	D26	RZ03	E3
CF07	D7	CP63	B23	CV514	C24	DZ05	D3	RA517	A8	RP30	C19	RR532	A27	RZ05	E3
CF09	D7	CP65	B22	CV515	D4	FP01	A17	RA519	A8	RP31	B19	RR533	A26	RZ07	E3
CH14	A28	CP67	C24	CV516	B11	IA01	A6	RE509	B3	RP40	C20	RR534	D27	RZ09	E10
CH14	B27	CP80	A24	CV517	B11	IF01	D6	RF01	D7	RP52	D19	RR535	E27	RZ08	E10
CH501	C2	CP88	A21	CV519	D2	IK02	A25	RF02	D8	RP525	C19	RR536	E27	SK01	B25
CH502	B28	CP90	B21	CV529	C24	IP50	D19	RF04	D8	RP529	B18	RR537	E27	SK02	B25
CH503	C1	CP91	B21	CV530	B9	IP50	D19	RF05	D8	RP53	D19	RR542	C27	SK03	B25
CH506	A28	CP93	A21	CV532	A4	IR01	B26	RF10	B27	RP532	C18	RR543	C27	SK04	B25
CH509	C28	CPT	B16	CV533	B9	IR02	C27	RF12	B27	RP533	B19	RR546	C26	SK05	B25
CH510	C28	CR01	B24	CV535	A10	IV01	A4	RF14	B27	RP537	C19	RR547	C26	SK06	B25
CH511	B28	CR08	C25	CV536	B9	IV01	B10	RF501	D6	RP538	C20	RR549	D26	SP1	A8
CH512	B28	CR15	D25	CZ01	E10	IV01	B2	RF503	D8	RP541	C20	RR590	E27	TA501	A6
CH515	B28	CR16	C24	CZ08	E9	IV01	B7	RF506	D25	RP553	D20	RR592	B27	TA502	B6
CI02	C3	CR501	C26	DE01	C7	IV01	D2	RF509	D7	RP554	D20	RR593	B27	TA504	B6
CI03	C2	CR502	C25	DE502	C7	JP03	D21	RF510	D4	RP555	D19	RU51	A13	TF01	B27
CI04	B3	CR504	B24	DF01	D6	LA01	A7	RF511	D7	RP556	D20	RU54	A14	TI20	B4
CI07	B2	CR505	D26	DF03	D6	LH01	B27	RF513	D7	RP557	D20	RU55	A14	TI21	B5
CI24	A5	CR506	C26	DF05	E6	LH02	C27	RF515	D7	RP558	D20	RU552	B14	TL01	E6
CI25	C24	CR507	C25	DH01	A27	LH03	C27	RF517	D5	RP559	D20	RU553	B14	TL02	E8
CI501	B4	CR508	C24	DL01	E5	LI01	B1	RF521	D6	RP560	D20	RU562	C14	TL04	E5
CI505	B3	CR509	A1	DL04	E9	LI02	B2	RF523	E6	RP565	B22	RU563	C14	TL541	E1
CI506	A3	CR511	C25	DL05	E9	LI04	A4	RH07	A27	RP592	B21	RU572	B14	TP20	B19
CI508	A2	CR512	B26	DL06	E9	LI05	C3	RH09	A27	RP593	B21	RU573	B14	TP22	B17
CI517	C2	CR516	D26	DL07	E9	LI20	B5	RH501	C27	RP599	D22	RU581	C13	TP23	B18
CI521	A3	CR518	C27	DL08	E7	LI21	A3	RH502	C27	RP61	B22	RU582	C13	TP25	C18
CI522	A3	CR519	C27	DL09	D7	LI22	B5	RI22	B4	RP63	B22	RU583	C14	TP52	D20
CI523	A5	CR520	B24	DL20	E22	LK01	A25	RI502	A4	RP67	C22	RU592	D16	TP566	C22
CI525	B5	CR521	B24	DL45	E22	LL01	E7	RI503	A2	RP70	C22	RU61	C13	TP61	B22
CI526	B4	CR522	C27	DL548	E1	LL02	E8	RI504	B1	RP73	B23	RU64	C14	TP63	B22
CI531	B4	CR523	E27	DL560	D12	LL05	D11	RI516	C2	RP75	B23	RU65	B14	TP65	C22
CK01	A25	CR524	E27	DL563	E12	LL05	E22	RI517	C2	RP90	B21	RU71	B13	TP69	C21
CK501	A26	CR525	E27	DL62	D12	LL09	B23	RI523	B4	RP91	D23	RU74	B14	TP93	A22
CK502	B25	CR526	C27	DL64	D12	LL10	E7	RI524	B3	RP93	B22	RU75	B14	TP95	D23
CL04	E9	CR527	D27	DL65	D12	LP01	D21	RI525	A3	RP95	B22	RU90	C16	TR501	C25
CL05	D9	CR528	E27	DL68	D12	LP02	A18	RI526	B4	RP96	B22	RU91	D16	TU51	A14
CL06	E9	CR529	E27	DP01	A19	LP03	A20	RI528	B5	RP97	A21	RV03	A12	TU61	C14
CL09	E7	CR530	E27	DP02	A19	LP07	C23	RI529	B6	RR02	C26	RV04	C12	TU71	B14
CL10	E8	CR531	B24	DP03	A19	LP20	B20	RI530	B5	RR10	B27	RV05	B12	TU81	C13
CL12	E7	CR540	B27	DP04	A19	LP21	B19	RI531	B4	RR12	D27	RV06	D5	TV02	A9
CL13	B24	CR541	D27	DP23	C18	LP26	C20	RI532	B5	RR21	A1	RV07	D4	TV510	C11
CL20	E24	CR550	E26	DP25	C19	LP27	B17	RK02	A25	RR22	E25	RV09	A11	TV512	D25
CL45	E22	CU551	B13	DP26	C19	LP63	C23	RK501	A25	RR23	A26	RV10	A11	TV522	A10
CL47	E1	CU561	C13	DP27	C18	LP81	A21	RL01	E4	RR27	B26	RV24	B7	TV523	B9
CL48	E24	CU571	B13	DP30	C19	LP99	A18	RL02	E4	RR28	B26	RV27	C11	ZP01	A18
CL501	E7	CU591	D16	DP33	B18	LR01	B23	RL05	E7	RR29	B26	RV28	C12		
CL502	E4	CU81	C13	DP37	C19	LR02	B23	RL12	A16	RR38	E27	RV29	C6		

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MODEL 13GP341F11 (CHASSIS TX808A)

MAIN BOARD - TOP VIEW

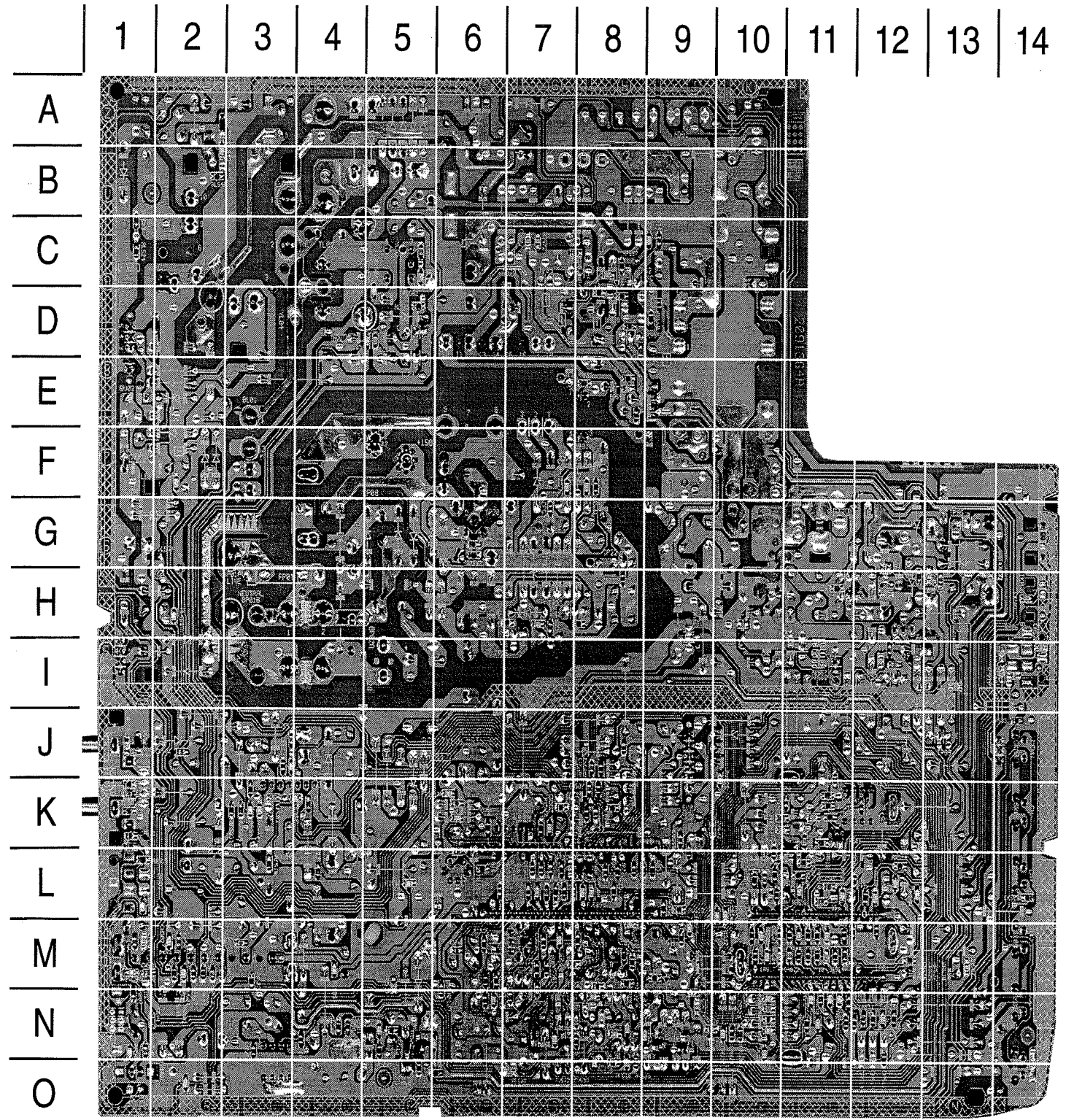


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BA03	A6	CV02	J5	DZ05	H5	RH09	O7	RV29	J1
BE01	O5	CV12	G6	FP01	M8	RI22	H2	RZ01	O10
BP02	K6	CV13	G6	IA01	M1	RK02	B4	RZ03	O10
BV01	F6	CV15	G4	IF01	M5	RL01	K11	RZ05	O9
BV02	O11	CV18	G3	IK02	A8	RL02	K11	RZ07	O9
CA05	L1	CV20	F4	IP01	H10	RL05	J12	RZ09	N9
CA06	N1	CV21	G2	IP50	G11	RL12	N10	SK01	A1
CA08	M2	CV22	H3	IR01	D3	RL13	M11	SK02	A2
CA12	K2	CV23	G2	IR02	D5	RL14	N10	SK03	A3
CA14	A1	CV24	H2	IV01	I3	RL20	O13	SK04	A4
CF01	M5	CV25	H3	JP03	E9	RL46	O8	SK05	A5
CF02	M4	CV26	I2	LA01	M2	RL60	N10	SK06	A5
CF05	N4	CV27	H3	LH01	L2	RL62	L14	TF01	L4
CF07	M4	CV30	J3	LH02	O2	RL63	N11	TI20	I2
CF09	N5	CV32	J2	LH03	N2	RP01	M9	TI21	H2
CF11	L3	CZ01	O10	LI01	J5	RP02	K8	TL01	K11
CF15	L5	CZ08	N9	LI02	I5	RP05	K8	TL02	L12
CF17	L5	DE01	N6	LI04	J4	RP06	J7	TL04	K11
CH07	M3	DF01	L5	LI05	I3	RP15	K6	TP20	J8
CH14	L2	DF03	L4	LI20	G2	RP20	J9	TP22	G8
CI02	J4	DF05	K5	LI21	J2	RP21	J8	TP23	H7
CI03	K4	DH01	M3	LI22	I2	RP23	J7	TP25	I7
CI04	J5	DL01	K11	LK01	B3	RP26	H8	TP52	G12
CI07	I5	DL04	L14	LL01	K12	RP27	I7	TP61	D8
CI24	I2	DL05	K14	LL02	K11	RP28	H8	TP63	D8
CI25	J1	DL06	K14	LL05	N12	RP30	H8	TP65	C7
CK01	A9	DL07	K14	LL09	I14	RP31	I8	TP69	B6
CL04	L13	DL08	K14	LL10	H12	RP40	H9	TP93	C6
CL05	L12	DL09	K14	LP01	E8	RP52	H11	TP95	B8
CL06	K13	DL20	O13	LP02	L7	RP53	F12	TV02	G1
CL09	K13	DL45	N14	LP03	I10	RP61	C8	ZP01	L7
CL10	L12	DL62	N10	LP07	C6	RP63	D7		
CL12	K12	DL64	N9	LP20	I9	RP67	C6		
CL13	J14	DL65	N9	LP21	I9	RP70	B6		
CL20	O8	DL68	N10	LP26	H9	RP73	C7		
CL45	O14	DP01	K8	LP27	H9	RP75	C8		
CL47	O14	DP02	K8	LP63	B7	RP90	F8		
CL48	N5	DP03	L8	LP81	I11	RP91	A8		
CL60	M14	DP04	K8	LR01	E4	RP93	D6		
CL61	O8	DP23	I7	LR02	E5	RP95	E7		
CP01	M7	DP25	I8	LR03	E5	RP96	F7		
CP04	L9	DP26	I8	LR04	E4	RP97	F7		
CP05	K8	DP27	H8	LR05	D5	RR02	E4		
CP06	L8	DP30	H9	LR06	F5	RR10	B4		
CP08	K9	DP33	J8	LR07	B4	RR12	B4		
CP09	J9	DP37	H9	LR08	B2	RR21	C3		
CP15	J6	DP40	J9	LV01	I3	RR22	C4		
CP24	G7	DP57	H12	LV02	H1	RR23	B2		
CP25	G8	DP60	B8	LV08	I6	RR27	D2		
CP26	H7	DP61	D8	QC02	G3	RR28	C2		
CP38	H8	DP62	B8	QI01	I4	RR29	C2		
CP40	H8	DP63	B8	QI02	I3	RR38	E2		
CP61	D8	DP69	B6	QI03	G12	RR39	E2		
CP63	D7	DP80	H12	QR01	D4	RR40	E2		
CP65	E8	DP90	F8	QV01	H5	RR41	E2		
CP67	B8	DP91	F8	RA03	J2	RV03	G5		
CP80	J12	DP95	C8	RA08	K2	RV04	G5		
CP88	H11	DP96	E7	RF01	M5	RV05	G5		
CP90	H11	DV01	H5	RF02	M4	RV06	H5		
CP91	G8	DV03	F2	RF04	L3	RV07	G5		
CP93	F8	DV04	G2	RF05	N4	RV09	F4		
CR01	F3	DV05	G2	RF10	L3	RV10	F4		
CR08	D4	DV11	F6	RF12	M4	RV24	H2		
CR15	D2	DZ01	N10	RF14	K5	RV27	G2		
CR16	E4	DZ03	O9	RH07	N3	RV28	G2		

MAIN BOARD - BOTTOM VIEW



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CA501	K1	CR524	M11	RI502	L6	RR527	M11
CA504	N4	CR525	M11	RI503	K7	RR528	M11
CA507	N3	CR526	K12	RI504	K6	RR530	N11
CA508	N1	CR527	M11	RI516	L5	RR531	N11
CA511	K1	CR528	N10	RI517	K6	RR532	N11
CA521	K1	CR529	N10	RI523	M6	RR533	N11
CE502	K1	CR530	N10	RI524	N6	RR534	N10
CF503	K3	CR531	N12	RI525	M6	RR535	N10
CF511	J3	CR540	M11	RI526	N6	RR536	N10
CF513	J3	CR541	M11	RI528	N8	RR537	N10
CH501	M1	CV501	L7	RI529	M8	RR542	K11
CH502	M2	CV502	N8	RI530	M8	RR543	K11
CH503	M1	CV503	K7	RI531	L7	RR546	L10
CH506	M3	CV504	L7	RI532	M8	RR547	L10
CH509	M2	CV505	K8	RK501	L12	RR549	L10
CH510	M2	CV506	K8	RL502	C5	RR590	N11
CH511	M2	CV507	K8	RL503	D5	RR592	L11
CH512	M2	CV508	K8	RL507	D5	RR593	M1
CH515	M2	CV509	J8	RL509	D5	RV501	K7
CI501	L6	CV510	J8	RL523	C1	RV502	K8
CI505	L7	CV511	L8	RL524	C1	RV508	J9
CI506	L7	CV514	L8	RL547	B2	RV509	L8
CI508	L8	CV515	J8	RL548	B2	RV510	L8
CI517	K6	CV516	L9	RL561	H2	RV511	M9
CI521	N6	CV517	L9	RP525	H7	RV512	L9
CI522	M6	CV519	K9	RP529	H8	RV513	L9
CI523	I7	CV529	L7	RP532	H7	RV514	L9
CI525	M8	CV530	N7	RP533	G6	RV515	M8
CI526	N7	CV532	M6	RP537	F7	RV516	M9
CI531	L6	CV533	L7	RP538	F8	RV517	L8
CK501	H14	CV535	N8	RP541	F8	RV518	N8
CK502	L14	CV536	M7	RP553	C9	RV519	N8
CL501	C5	DE502	J1	RP554	D8	RV520	N8
CL502	D5	DL548	A2	RP555	E8	RV521	M8
CL503	J2	DL560	G1	RP556	C8	RV525	J10
CP522	H8	DL563	D2	RP557	C8	RV526	L7
CP523	H7	DR501	L11	RP558	D8	RV529	N8
CP533	G6	DV508	L8	RP559	D8	RV530	M7
CP534	C9	DV509	L8	RP560	D9	RV533	M7
CP537	G7	RA501	N5	RP565	H11	RV534	N9
CP550	D8	RA505	N5	RP592	E8	RV535	M9
CP567	I12	RA506	N6	RP593	E8	RV539	N8
CP568	I13	RA507	N4	RP599	G13	RV540	M8
CP592	E8	RA509	K1	RR501	M10	RV542	N9
CP595	H13	RA511	O2	RR502	L12	RZ508	F2
CP597	I12	RA513	L1	RR503	L10	TA501	N5
CR501	M10	RA514	O5	RR504	M10	TA502	N5
CR502	L10	RA515	N5	RR505	L12	TA504	O5
CR504	L10	RA519	L1	RR506	L11	TL541	A2
CR505	M10	RE509	N6	RR507	L11	TP566	I13
CR506	L11	RF501	J3	RR508	N11	TR501	K11
CR507	L12	RF503	K3	RR509	L11	TV510	N9
CR508	L10	RF506	J5	RR510	L11	TV512	N9
CR509	M12	RF509	K3	RR512	M12	TV522	N7
CR511	N12	RF510	L3	RR513	M11	TV523	N7
CR512	N12	RF511	K3	RR514	M11		
CR516	M11	RF513	K3	RR515	M11		
CR518	K11	RF515	K3	RR516	K11		
CR519	K11	RF517	K4	RR518	L12		
CR520	K11	RF521	K4	RR519	L12		
CR521	M10	RF523	L4	RR524	N12		
CR522	M11	RH501	M2	RR525	N12		
CR523	N11	RH502	M2	RR526	N12		

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MODEL 13GP341F11 (CHASSIS TX808A)

PARTS LIST

Item No.	Type No.	Mfr. Part No.	NTE Part No.
DE01	1N4148	198589	NTE519
DE502	-	248798	-
	-	232709	-
DF01	-	244856	-
DF03, 05	1N4148	198589	NTE519
DH01	-	215489	-
DL01	1N4148	198589	NTE519
# DL04	-	248797	-
DL05	-	244856	-
DL06	-	244856	-
# DL07	-	248797	-
DL08, 09	1N4148	198589	NTE519
DL20	-	244870	-
DL45	-	244870	-
DL548	-	248798	-
	-	232709	-
DL560, 63	-	232709	-
	-	248798	-
	-	227961	-
DL62	-	198589	NTE519
DL64	1N4148	198589	NTE519
DL65	-	220635	-
DL68	1N4148	198589	NTE519
DP01 Thru	-	-	-
DP04	-	251348	-
	-	209919	NTE116
DP23	-	232545	-
DP25, 26	-	244834	-
DP27	-	244836	-
DP30	-	232545	-
DP33	-	223694	-
DP37	1N4148	198589	NTE519
DP40	-	244836	-
	-	244835	-
DP57	-	223783	-
DP60	-	198597	NTE116
DP61	-	198602	-
DP62, 63	-	198597	NTE116
DP69	-	223083	-
DP80, 90, 91	-	244834	-
DP95	1N4148	198589	NTE519
DP96	-	198602	-
DR501	-	248798	-
	-	232709	-
	-	224937	-
DU01	-	248798	-
DU502	-	244870	-
DU51, 61, 71	-	244870	-
DV01	-	242705	-
DV03	1N4148	198589	NTE519
DV04	-	242705	-
DV05	1N4148	198589	NTE519
DV11	-	220635	-
DV508, 09	-	248798	-
	-	232709	-
	-	244870	-
# DZ01	-	226456	-
# DZ03	-	198589	NTE519
DZ05	1N4148	198589	NTE519
IA01	TDA7267	244225	-
IF01	TA8403K	244861	-
# IP01	TLP621	244839	NTE3098
IP50	TL431AC	231525	-
IR01	-	248803	-
IR02	24C04W6	248804	-
IV01	TA1268N	245055	-
TA501	-	219349	NTE2408
TA502	-	206088	NTE2414
TA504	-	219349	NTE2408
TF01	-	198743	NTE123AP
TI20	-	198743	NTE123AP
TI21	-	230764	NTE159
TL01	BC337-25	248794	NTE123AP
TL02	S2000N3	198794	NTE2354

Item No.	Type No.	Mfr. Part No.	NTE Part No.
TL04	BC548B	198743	NTE123AP*
TL541	-	219349	NTE2408
# TP20	-	244844	-
TP22	-	198743	NTE123AP
TP23	-	248795	-
TP25	-	230764	NTE159
TP52	-	198743	NTE123AP
TP566	-	219348	NTE2409
TP61	-	247372	-
TP63	-	230764	NTE159
TP65	-	245066	-
TP69, 93	-	198743	NTE123AP
TP95	-	248796	-
TR501	-	248805	-
TP566	-	219348	NTE2409
TU51, 61, 71	-	185197	NTE399
TU81	-	215977	-
TV02	-	198743	NTE123AP
TV510, 12	-	219348	NTE2409
TV522, 23	-	219348	NTE2409

Item No.	Function/Rating	Mfr. Part No.	Notes
BA08	Socket	248799	Earphone
BE01	Socket	244946	A/V Input
# BP01	Line Cord	248816	AC, Polarized
	Line Cord	248844	AC, Polarized
	Line Cord	251352	AC, Polarized
# BP02	Connector	248788	2 Pin
# BU01 (1)	Socket	224146	CRT
# BU01 (2)	Socket	251319	CRT
CA518, 19	.001 5% 50V N750	200469	-
CA521	220pF 5% 50V NPO	221512	-
CE502	220pF 5% 50V NPO	221512	-
# CF05	1000µF 20% 25V	232348	-
	1000µF 20% 35V	230958	-
# CF15	470µF 20% 25V	178836	-
CF503	100pF 5% 50V N750	200548	-
	100pF 5% 50V NPO	219208	-
CH502	3.3pF ±.5pF 50V NPO	200535	-
	3.3pF ±.25pF 50V NPO	251316	-
CE509	220pF 5% 50V N220	248754	-
CH510	22pF N220	-	-
	220pF 5% 50V N220	248754	-
	56pF 5% 50V NPO	214741	-
CH515	330pF 5% 50V NPO	205227	-
CI506	.0022 5% 50V NPO	232616	-
CI521, 22	47pF 5% 50V NPO	210689	-
	47pF 5% 50V NPO	216021	-
CI525	18pF 5% 50V N470	232619	-
	18pF 5% 50V NPO	219200	-
CI526	330pF 5% 50V NPO	205227	-
CK501	100pF 5% 50V N750	200548	-
	100pF 5% 50V NPO	219208	-
CK502	220pF 5% 50V NPO	221512	-
CL04	.0062 1.6kV	232534	-
	.0066 1.6kV	198562	-
	.0092 1.6kV	250512	-
# CL05	.47 250V	235469	-
# CL10	560pF 10% 2kV	250513	-
	470pF 10% 3kV	244853	-
# CL20	10µF 20% 250V	223809	-
CL45	330pF 10% 1kV	235815	-
CL47	39pF 5% 50V N750	244854	-
	39pF 5% 50V NPO	178815	-
CL502	.0022 5% 50V NPO	232616	-
# CP01	.1 20% 250V	220625	-
# CP04	.01 1kV	232366	-
# CP05, 06	.0015 10% 1kV	198565	-
# CP08	220µF 20% 200V	248748	-
	330µF 20% 200V	182286	-

PARTS LIST continued

Item No.	Function/Rating	Mfr. Part No.	Notes
# CP09	.0022 5% 630V	248749	-
# CP15	.0022 20% 400V	244828	-
	.0022 20% 125VAC	248747	-
CP16	1pF 20% 400V	251353	-
CP38	82pF 5% 50V N150	-	-
	180pF 5% 50V N470	251576	-
	180pF 5% 50V N150	251318	-
# CP80	100µF 250V	236052	-
CP88	.0015 10% 1kV	248750	-
# CP90	1000µF 20% 16V	230957	-
# CPT (1)	CRT	4JXV701443	A34JXV70X1
# CPT (2)	CRT	A48LGS300	HA48LGS30X03
CR501	220pF 5% 50V NPO	221512	-
CR505	22pF 5% 50V NPO	212291	-
	47pF 5% 50V NPO	216021	-
CR506, 07	56pF 5% 50V NPO	214741	-
CR509, 11, 12	.001 5% 50V N750	200469	-
CR516	470pF 10% 50V N750	235812	-
CR518, 19, 22	100pF 5% 50V N750	200548	-
	100pF 5% 50V NPO	219208	-
CR524	470pF 10% 50V N750	235812	-
CR527	100pF 5% 50V N750	200548	-
	100pF 5% 50V NPO	219208	-
CR528, 29, 30	56pF 5% 50V NPO	214741	-
CU591	68pF 10% 50V NPO	193339	-
# CU90	.0022 2kV	183147	-
CV502	100pF 5% 50V N750	200548	-
	100pF 5% 50V NPO	219208	-
CV503	12pF 5% 50V NPO	219205	-
CV504, 06, 08	47pF 5% 50V NPO	216021	-
CV510	47pF 5% 50V NPO	216021	-
CV516, 17	47pF 5% 50V NPO	-	-
	100pF 5% 50V N750	200548	-
CV533	180pF 5% 50V NPO	219231	-
CV536	33pF 5% 50V NPO	194911	-
# CZ01	.1 10% 100V	153925	-
# DY1 (3)	Yoke	-	Horiz 2.55mH, Vert 24.0mH
# FP01	Fuse	198605	2.5Amp,
FP01A,B	Fuse Holder	244842	For FP01 (2 Used)
IK02 (1)	Receiver	230986	Remote
IK02 (2)	Receiver	251320	Remote
JP03	Ferrite Bead	235858	-
LA01	10µH	244900	-
LH01	47µH	195713	-
LH02, 03	Ferrite Bead	235858	-
LI01	1µH	248755	-
LI02	68µH	248800	-
LI04	SIF	245045	-
	SIF	248801	-
LI05	PIF	245047	-
LI20	22µH	248802	-
LI21	22µH	206370	-
LI22	68µH	149167	-
LK01	Ferrite Bead	235858	-
LL01	Horizontal Driver	244857	-
LL02	.33µH	244858	-
# LL05 (1) (4)	Horizontal Output	244859	-
# LL05 (2) (4)	Horizontal Output	247260	-
LL09	50µH	232428	-
LL10	100µH	230992	-
LP01	Ferrite Bead	235858	-
# LP02	Line Filter	228335	-
	Line Filter	250516	-
# LP03	SMT	248776	-
	SMT	250515	-
LP07	39µH	248793	-
LP20	Ferrite Bead	244840	-
LP21	Ferrite Bead	224167	-
LP26, 27	Ferrite Bead	244840	-
LP63	Ferrite Bead	235858	-
LP81	Ferrite Bead	244840	-

Item No.	Function/Rating	Mfr. Part No.	Notes
# LP99 (1)	Degaussing	232781	-
# LP99 (2)	Degaussing	247230	-
LR01, 02	10µH	214580	-
LR03, 04	3.3µH	232633	-
LR05, 06, 07	Ferrite Bead	235858	-
LR08	Ferrite Bead	244840	-
LU51	56µH	206174	-
LV01	10µH	244900	-
LV02	4.7µH	197614	-
LV08	39µH	248793	-
# NH01 (1)	Tuner	246418	UHF/VHF, CTT5050
# NH01 (1)	Tuner	248782	UHF/VHF, CTT5800
# NH01 (2)	Tuner	251356	UHF/VHF, 56D86G3
QC02	Crystal	232441	503kHz
QI01	Filter	245046	SAW
QI02	Filter	219313	4.5MHz
QI03	Trap	219314	4.5MHz
QR01	Filter	235882	8MHz
QV01	Crystal	245056	3.58MHz
# RF01	2.2 5% .3W	220618	-
RL02	24.3K 1% 1/4W	218494	-
# RL12	.68 5% 1/4W	216049	-
# RL46	.22 5% .35W	247263	-
RL62	41.2K 1% 1/4W	176500	-
	68.1K 1% 1/4W	247265	-
RL65	68.1K 1% 1/4W	247265	-
	26.7K 1% 1/4W	196081	-
# RP01	2.7 10% 5W Wirewound	248777	-
# RP02	7.5 Cold PTC	198688	-
	-	207768	-
# RP15	1.8M 10% 1/2W	220333	-
# RP554	2000 1% 1/10W	223788	-
	1.96K 1% 1/10W	250517	-
# RP556, 58, 59	26.7K 1% 1/10W	248778	-
	26.7K 1% 1/10W	228778	-
# RP560	2700 5% 1/10W	192081	-
	5600 5% 1/10W	212406	-
# RP90	.22 5% .35W	247263	-
	Fuse	251349	1.6A @ 65V
# RU90	1500 5% 1/2W	244871	-
# RZ01	100 5% 1/4W	198656	-
# RZ05	5600 1% .4W	247153	-
	4320 1% .4W	248790	-
# RZ07	10K 1% .4W	160155	-
SK01	Switch	215500	Power
SK02	Switch	215500	Volume +
SK03	Switch	215500	Volume -
SK04	Switch	215500	Channel +
SK05	Switch	215500	Channel -
SK06	Switch	215500	Menu
SP1 (1)	Speaker	232316	1 1/2" X 2 3/4", 8 Ohm, 3W
SP1 (2)	Speaker	236014	1 1/2" X 2 3/4"
# ZP01	Resistor Control	247377	-
	Button (5)	233723	Cluster
	Button (6)	233724	Cluster
	Button (2)	251346	Cluster
	PC Board (1)	249096	CRT
	PC Board (2)	251374	CRT
	PC Board	249097	Headphone Jack
	Transmitter (2) (5)	240961	Remote, CRK20A1
	Transmitter (6)	231032	Remote, CRK20AW1

For SAFETY use only equivalent replacement part.

- * Lead configuration may vary from original.
- (1) Used with chassis TX808A and TXT808E.
- (2) Used with chassis TX808R.
- (3) Bonded part of CRT.
- (4) Screen and focus controls are part of LL05.
- (5) Used with chassis TX808A.
- (6) Used with chassis TX808E.

GE

MODEL 13GP341F11 (CHASSIS TX808A)