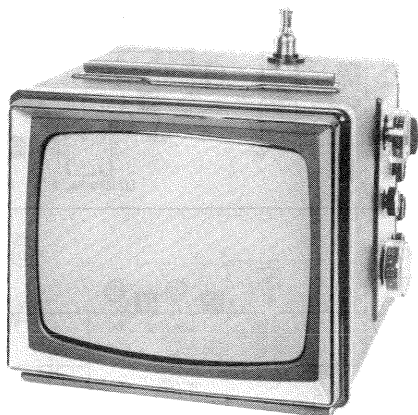
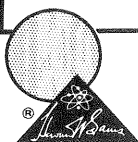


PHOTOFACT® Folder

with CIRCUITRACE™



MODEL TR805BEB

GENERAL ELECTRIC
MODEL TR805BEB (Ch. TB)

IMPORTANT FILING NOTICE

Some models covered by this PHOTOFACT Folder employ chassis in addition to the TV chassis. PHOTOFACT Folders covering these additional chassis are packaged immediately behind this Folder and should be filed with this Folder in the yellow filing jacket provided. For specific coverage see index below.

INDEX

Portable Battery Pack
Models 4404A/B/C SET 831, FOLDER 3-A

TRADE NAME	General Electric Model TR805BEB (Chassis TB)		
SUPPLIER	For Current Address, see Annual Index.		
TYPE SET	Television Receiver		
TRANSISTORS	VHF: Twenty-Seven	UHF: One	
POWER SUPPLY *	110-120 Volts AC, 60 Cycles	RATING	15 Watts, .2 Amp. @ 117 VAC
TUNING RANGE	Channels 2 thru 13 VHF, 14 thru 83 UHF, Video IF 45.75MC, Sound IF 41.25MC (Intercarrier)		

* 15V Battery or (12V Auto Battery for use in automobile with negative ground electrical system) may be used. See Folder 3-A, Set 831 for Battery Pack and Charger.

SERVICING IN THE FIELD

SAFETY GLASS

† The safety glass is an integral part of the picture tube.

FUSE OR FUSE DEVICE

A .5- and a 2-amp fuse is used for low-voltage power-supply protection. (See "Transistor Placement Chart" for location.)

VHF OSCILLATOR ADJUSTMENT

The oscillator may be adjusted by an oscillator coil slug (one for each channel), fine tuning, and an overall oscillator adjustment.

AGC

The AGC may be varied by means of AGC and AGC Threshold Controls. (See "Transistor Placement Chart" for location.)

HORIZONTAL OSCILLATOR FIELD ADJUSTMENT

Coarse adjustment of the horizontal hold is accomplished by the proper setting of the Horizontal Hold Control. (See "Transistor Placement Chart" for location.)

FOCUS

The focus is factory preset, using a lead connected from pin 7 of picture tube to either chassis ground or 76V. (See TV Schematic)

BUZZ ADJUSTMENT

To eliminate intercarrier buzz, adjust the Ratio Detector secondary (A11).

CENTERING

Centering is accomplished by 2 magnetic rings located on yoke rear cover.

† Picture Tube 9VP4 (not bonded face type) may be used. This requires faceplate #ET94X116.

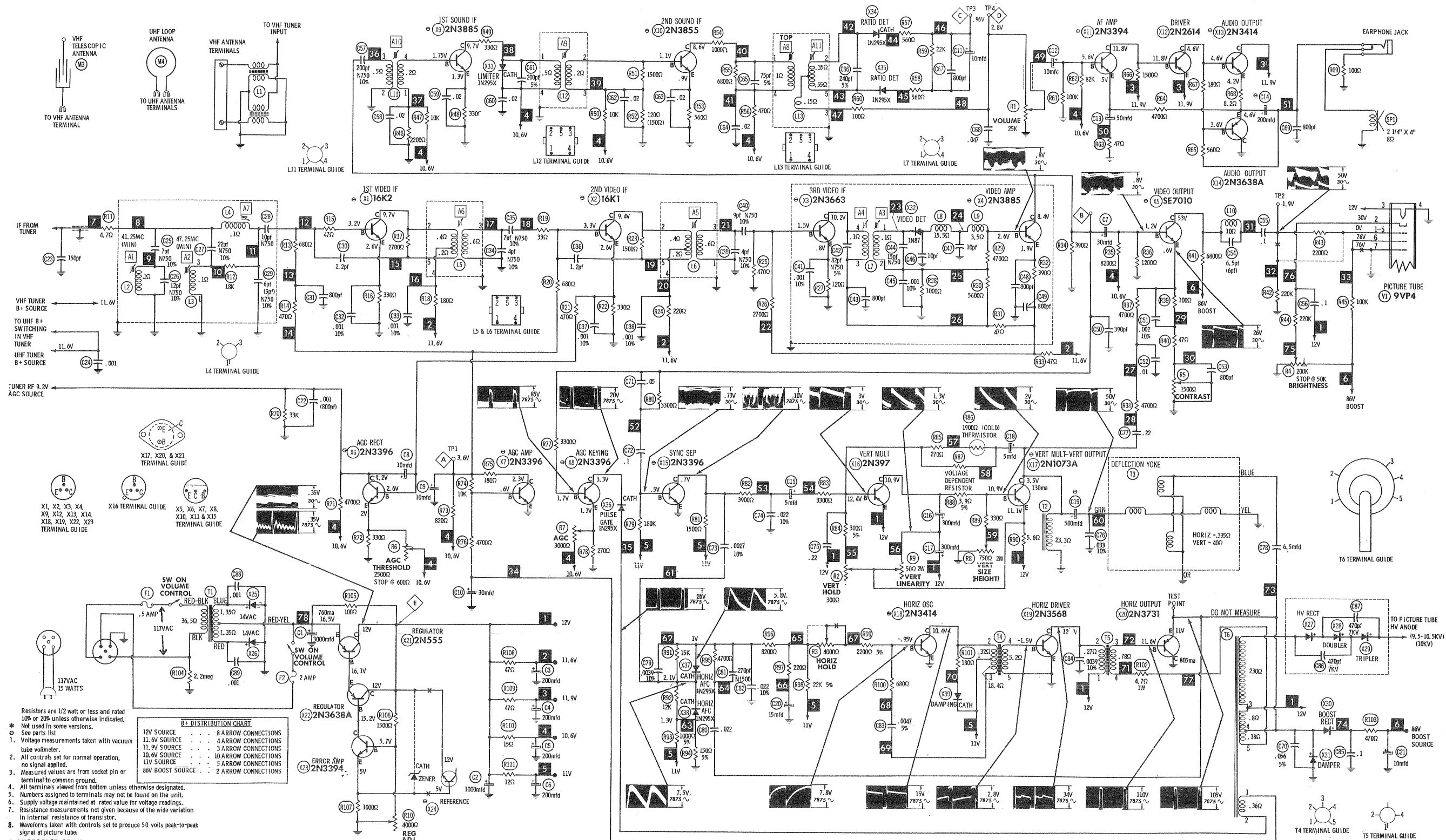
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. NC767

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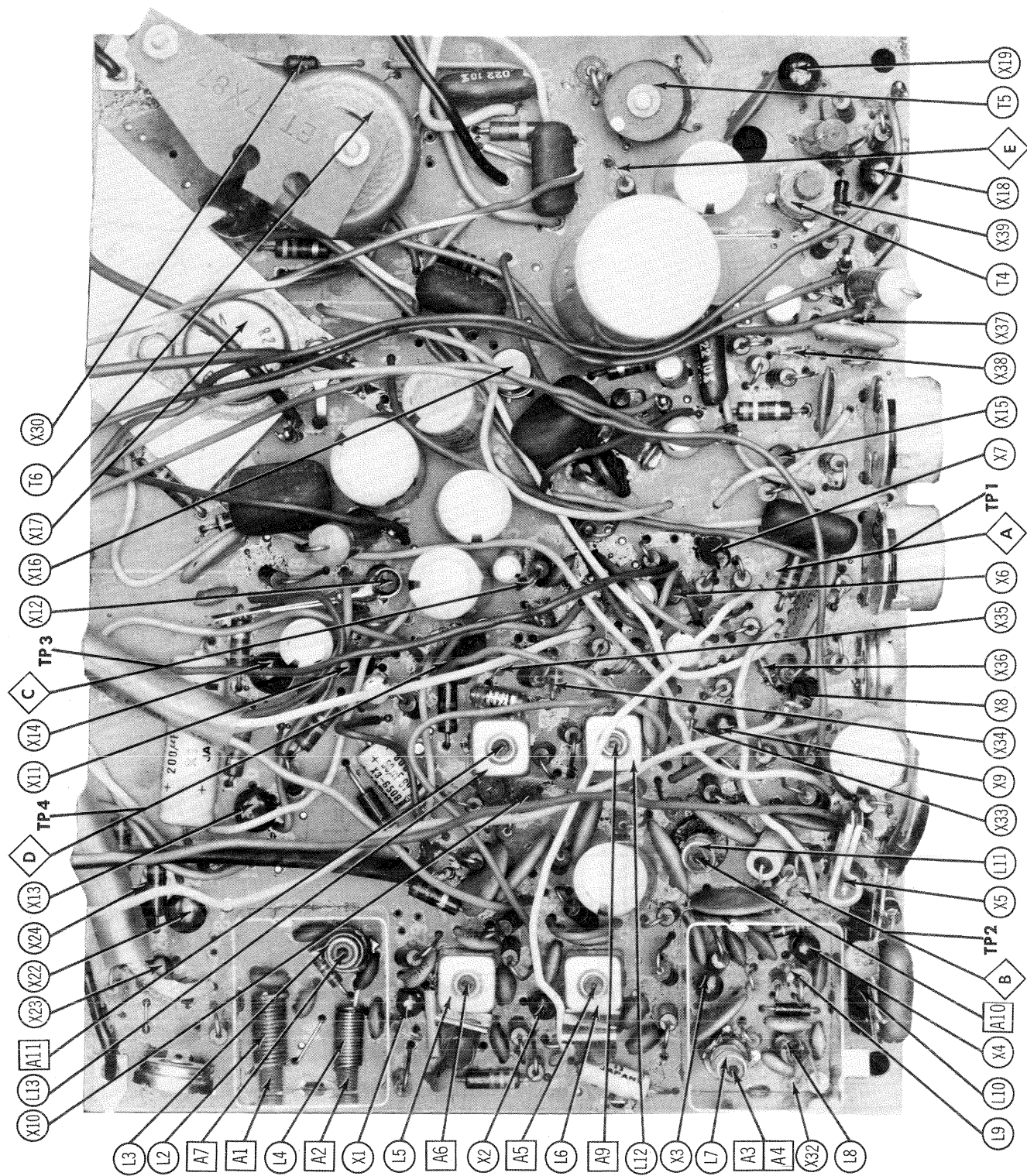
DATE 8 -66 SET 831 FOLDER 3





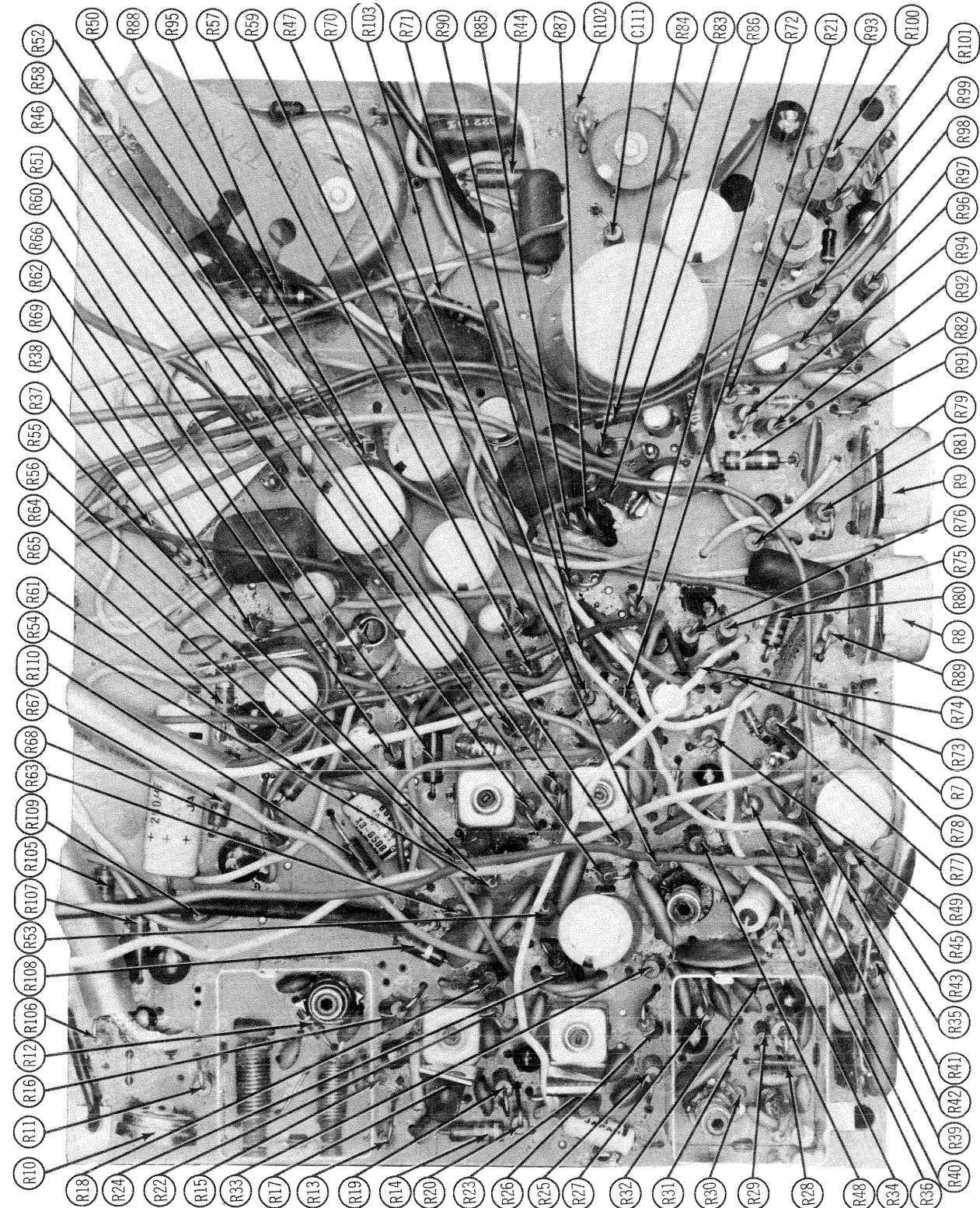
GENERAL ELECTRIC
MODEL TR805BEB (Ch. TB)

FOLDER 3



(ALIGN., TRANSISTOR, INDUCTOR, TRANSFORMER IDENT.)

PRINTED BOARD

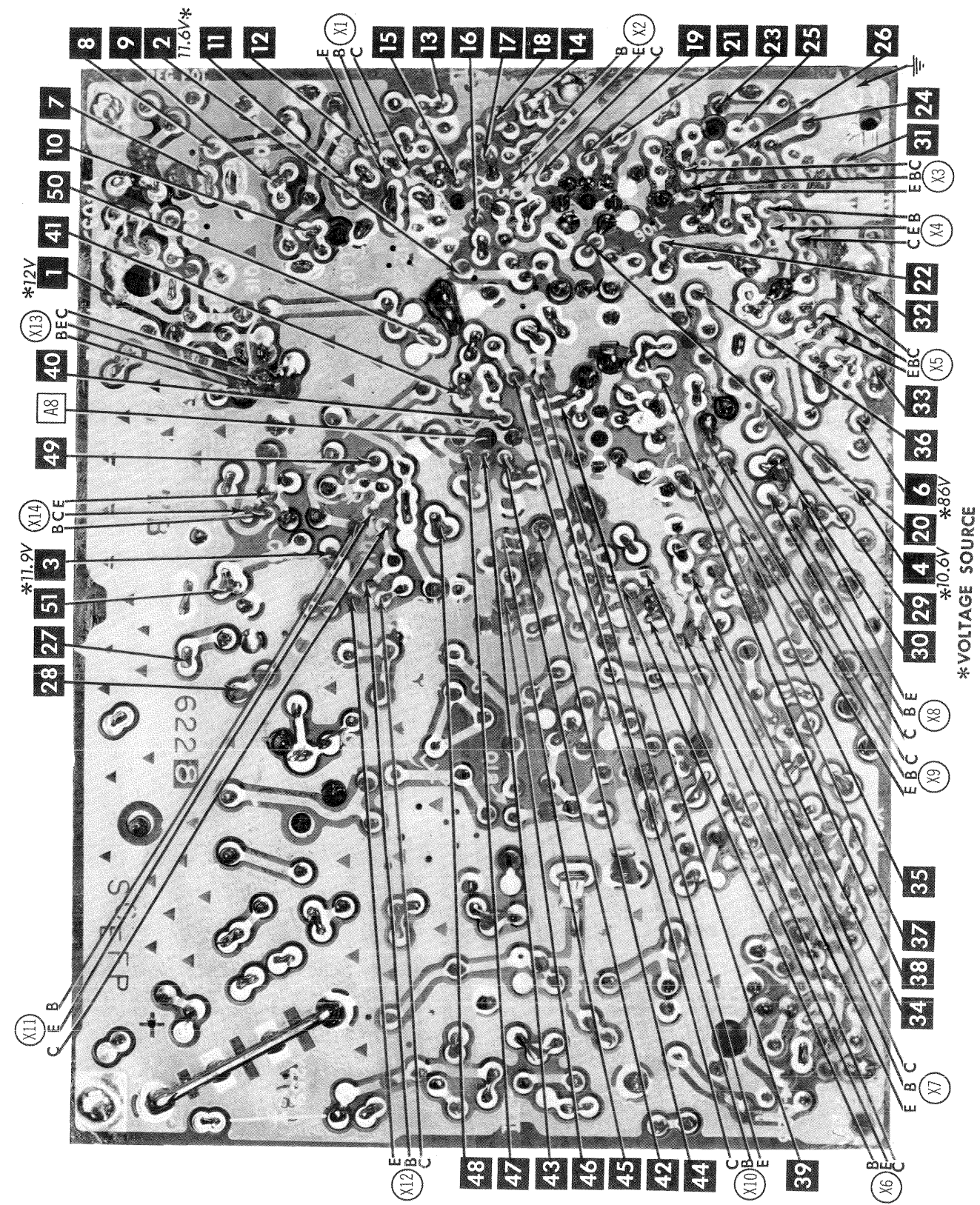
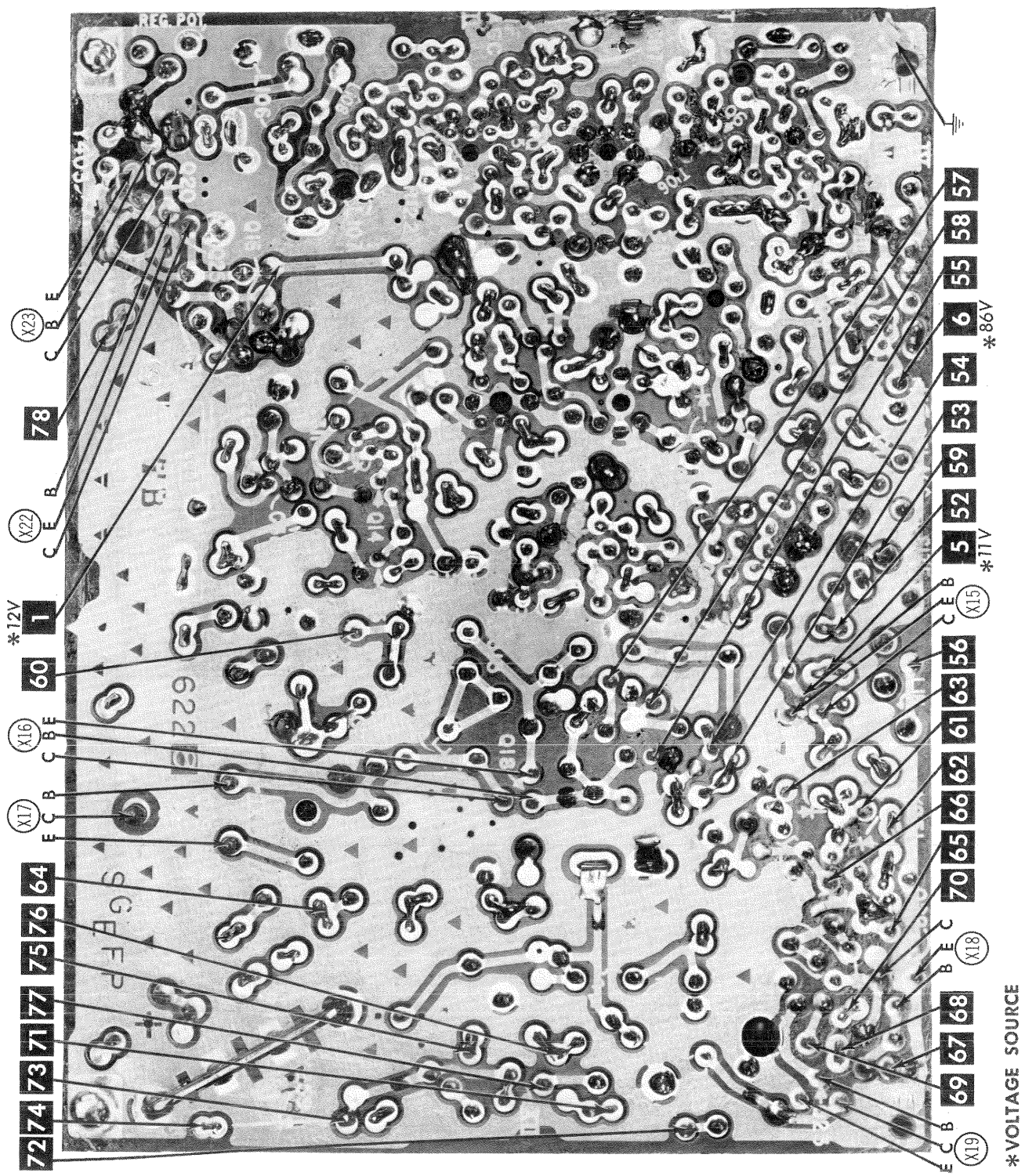


(RESISTOR IDENT.)

ADDITIONAL PRINTED BOARD PHOTO PAGE 18

GENERAL ELECTRIC
MODEL TR805BER (Ch. TB)

FOLDER 3



ALIGNMENT INSTRUCTIONS

Use an isolation transformer and maintain voltage at 117 volts. Allow a 20-minute warm-up period for the receiver and test equipment.
Suggested Alignment Tools: A1 thru A4, A8, Mixer Collector Coil .. GENERAL CEMENT 9296, 9300, 9302 .. WALSCO 2510, 2511, 2547
A5, A7, A7, A9, A10, A11 GENERAL CEMENT 8606, 8606L WALSCO 2543, 2544

VIDEO IF ALIGNMENT

Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection.
Use only enough generator output to provide a usable indication. Note: Response may vary slightly from those shown.
Connect a variable positive bias supply to the IF AGC line (point A) and adjust to obtain a response curve which shows no indication of overload.
Set the Channel Selector to UHF position.

	INDICATOR	GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	ADJUST	REMARKS
1.	Connect DC probe of a VTVM thru a 47K resistor to point B. Common to ground.	High side to UHF IF Input on VHF Tuner. Low side to ground.		41.25MC 47.25MC	A1 A2	Adjust for MINIMUM.
2.	Connect vertical input of a scope to point B. Low side to ground.	High side to UHF IF Input on VHF Tuner. Low side to ground.	44MC (10MC Sweep)	41.25MC 42.5MC 44.15MC 45.75MC 47.25MC	A3, A4, A5, A6, A7, Mixer Collector Coil	Adjust for maximum gain and symmetry of response with markers as shown in Figure 1.

SOUND IF ALIGNMENT

Connect a clip lead from Point A to ground.						
	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
	High side to Point B . Low side to ground.	4.5MC (Unmod.)		DC Probe to Point C . Common to ground.	A8, A9, A10	Adjust for maximum.
	"	"		DC Probe to Point D . Common to ground.	A11	Adjust for zero. A positive or negative reading will be obtained on either side of correct setting.

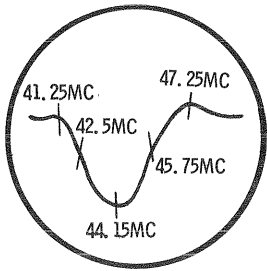


FIG. 1

VHF TUNER ALIGNMENT INSTRUCTIONS

OSCILLATOR ADJUSTMENTS

The individual oscillator slugs are accessible one at a time through a hole in the front of the tuner.
Set the Fine Tuning to the center of its range and adjust oscillator for best picture and sound on each active channel.
If individual slugs show insufficient range, adjust overall oscillator adjustment. Recheck all available channels.

RF AND MIXER ALIGNMENT

Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection.
Use 10MC sweep unless otherwise noted.
Connect a variable bias to the RF AGC line at point T. Adjust bias to obtain response curve which shows no indication of overloading.

	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
1.	Across antenna terminals with 120Ω in each lead.	213MC	211.25MC 215.75MC	13	Vert. Input to Point U, low side to ground.		Expand or compress appropriate coils for maximum gain and symmetry of response similar to Fig. 201 with markers as shown.
2.	"	See Chart	See Chart	12 thru 2	Vert. Input to Point U, low side to ground.		Check all channels and make compromise adjustments by expanding or compressing appropriate coils if necessary.

CHANNEL & FREQUENCY CHART

SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL
57MC	55.25MC 59.75MC	2	85MC	83.25MC 87.75MC	6	195MC	193.25MC 197.75MC	10
63MC	61.25MC 65.75MC	3	177MC	175.25MC 179.75MC	7	201MC	199.25MC 203.75MC	11
69MC	67.25MC 71.75MC	4	183MC	181.25MC 185.75MC	8	207MC	205.25MC 209.75MC	12
79MC	77.25MC 81.75MC	5	189MC	187.25MC 191.75MC	9	213MC	211.25MC 215.75MC	13

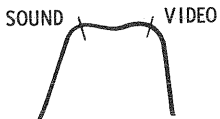
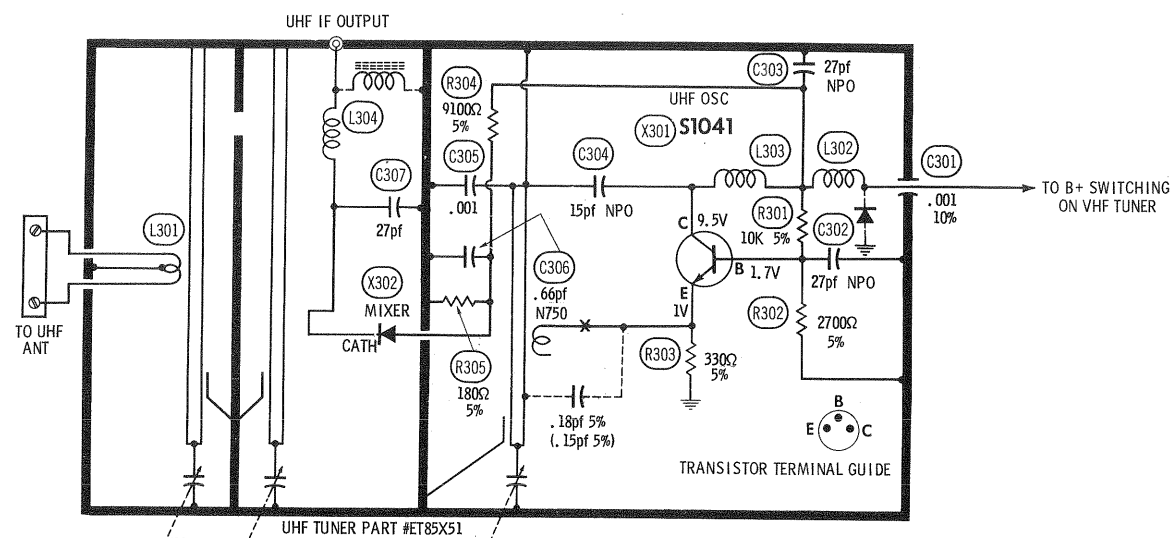


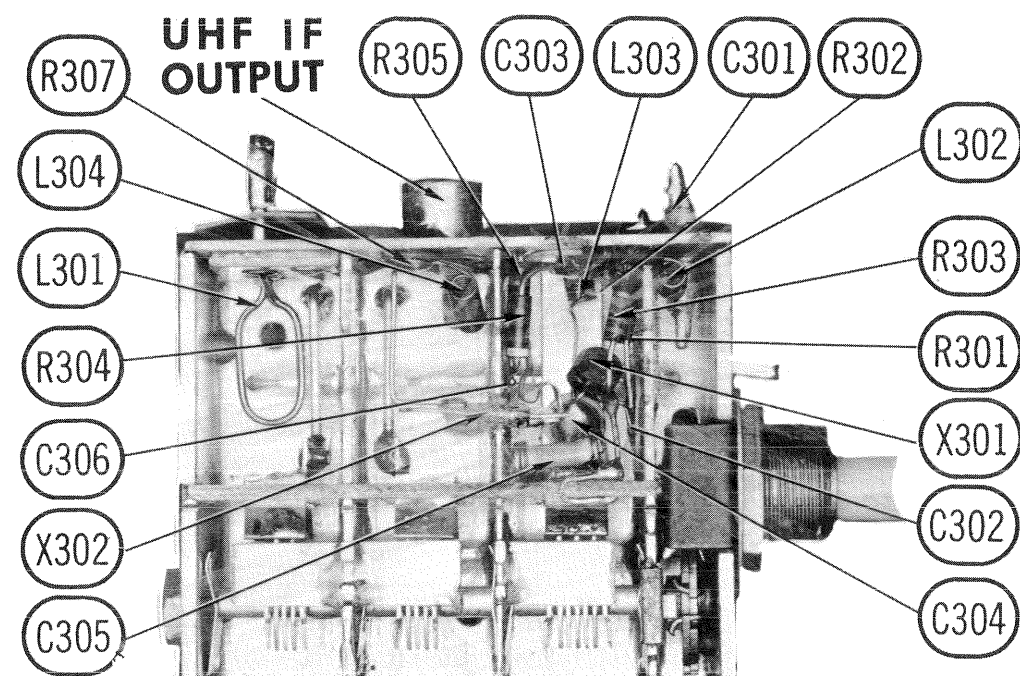
FIG. 201

GENERAL ELECTRIC
MODEL TR805BEB (Ch. TB)

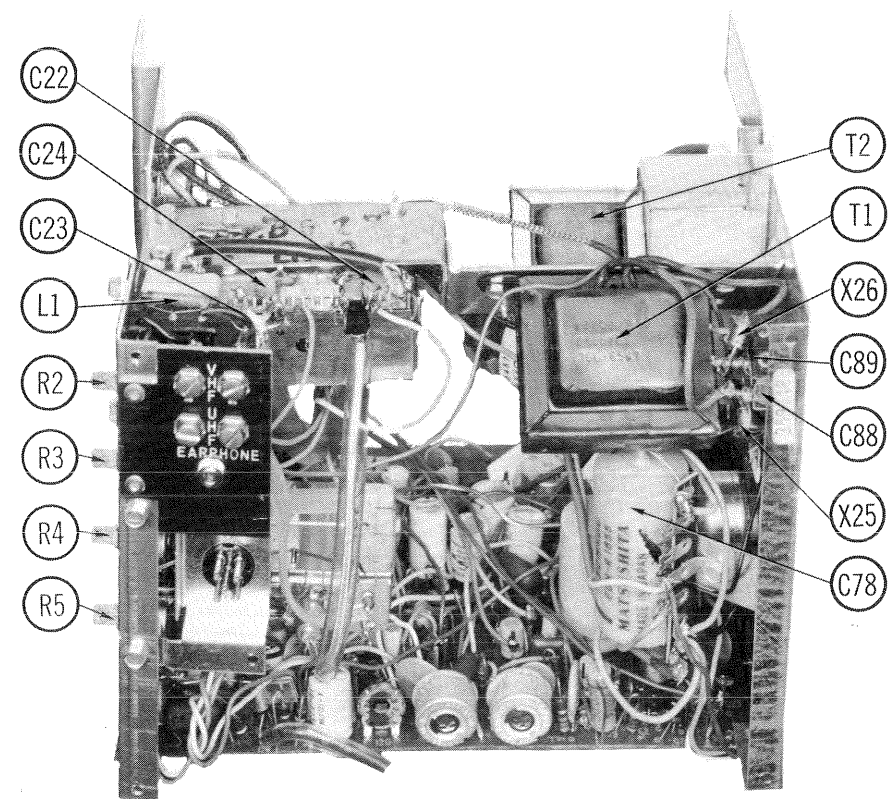
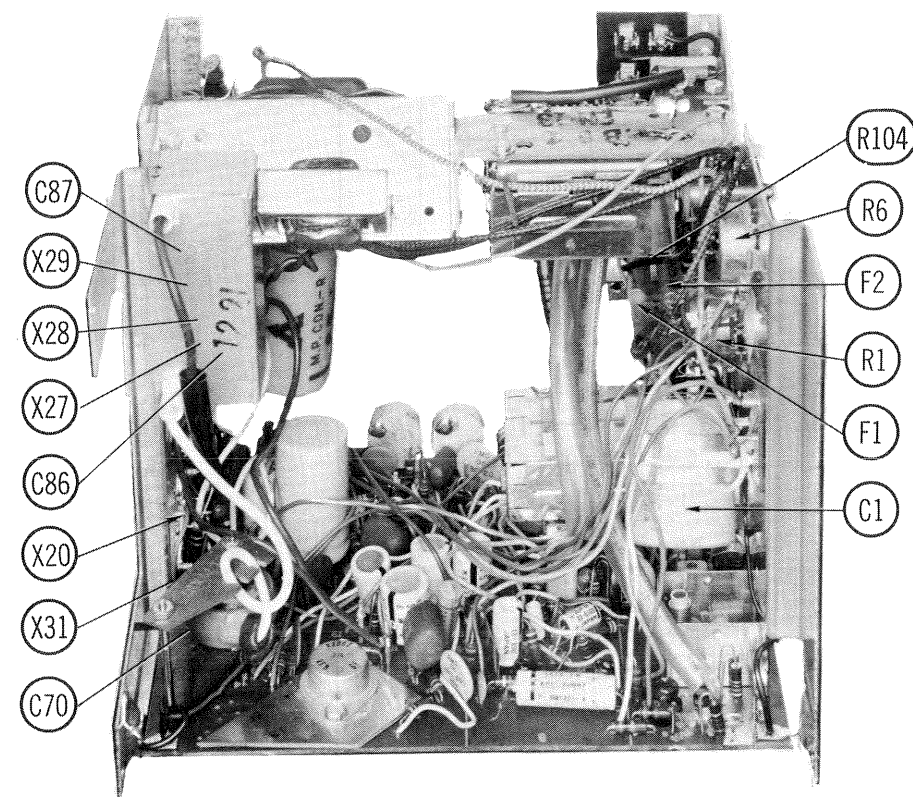
FOLDER 3



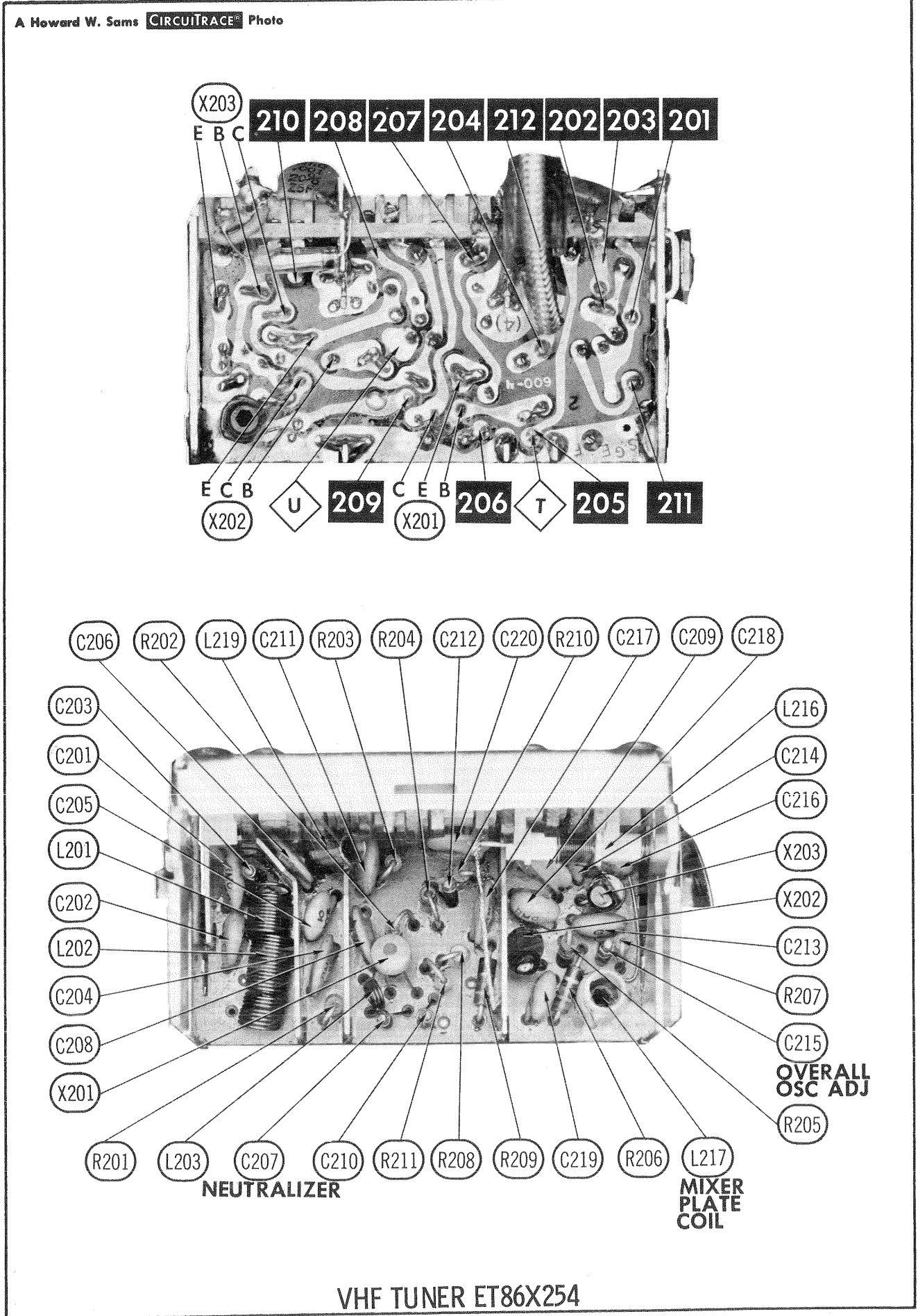
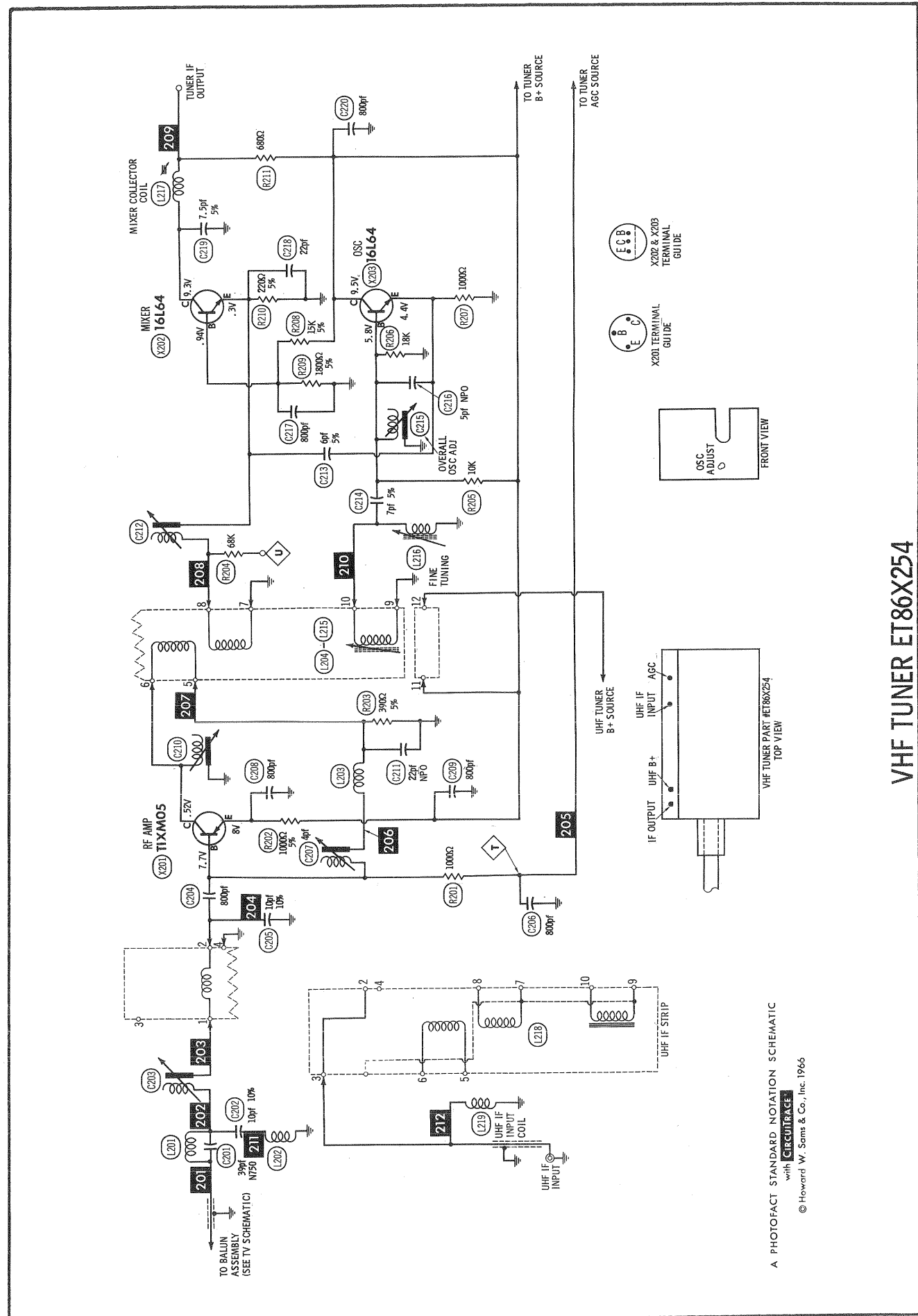
A PHOTOFAC STANDARD NOTATION SCHEMATIC
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UHF TUNER ET85X51



CHASSIS FRONT & REAR VIEWS



TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			ALTERNATE TYPE	NOTES	G. E. PART No.
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.			
X301	S1041	UHF Oscillator		GE-11	SK-3019	NPN	2N3863	ET15X3

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS		
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLOY PART No.	RCA PART No.	SARKES TARZIAN PART No.
X302		ET16X14					

CAPACITORS

COILS (RF-IF)

ITEM No.	USE	G. E. PART No.	NOTES
L301	Ant. Input		
L302	RF Choke	ET30X660	

MISCELLANEOUS

ITEM No.	PART NAME	G. E. PART No.	NOTES
	Ant. Term. Board	ET38X105	
	Cover	ET3X316	
	Gear Drive	ET2X341	
	Phono Jack	ET3X389	
	Retaining Ring	ET3X340	
	Shut Assembly	ET69X280	
	Socket	ET34X162	
	Spring	ET3X341	
			Includes L301
			For X302 Diode Retainer Tuner Cover

(When ordering parts, state Model, Part Number, and Description.)

PICTURE TUBE

TRANSISTORS

- ① When replacing, apply silicone grease to both sides of insulator. Tighten mounting screws securely.
- ② Transistor used in place of Zener diode.

① Use a single unit replacement for X25 and X26.

SET 831 FOLDER 3

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)
Replacement parts shown may be superseded by the availability of newly introduced replacements.
Have your local distributor check Sams COUNTER FACTS® for the most up-to-date replacement.

CONTROLS

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

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA				
			G. E. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume/Switch	25K	ET49X523 (M128J584-1)	F1-25K, SN100, KR-2	A47-25K-S, FS-3, SWE-20 or (NP-25K-S, CF11, SS6 ①, WF) *	B11-120, TM5, 76-2 or (BU11, CF11, SS6 ①, WF) *	TA253L, US27 or (RU253L, SL37, SN1000 ①, US42) or (UA253L, SN1000 ① US42)
R2	Vert. Hold	300Ω	ET49X558 (M128J599-7)	F1-300, SN100	B47-500-S ① or (NP-350-S, UP-B-400, TT-2)	B11-102, TM4 ① or (BU11, CF3, SS6 ①) *	PTA52L ① or (RU52L, SL37, SN1000 ①) or (UA52L, SN1000 ①)
R3	Horiz. Hold	4000Ω	ET49X526 (M128J599-5)	F1-5000, SN100	B47-5000-S ① or (NP-5000-S, UP-B-400, TT-2)	B11-114, TM4 ① or (BU11, CF8, SS6 ①) *	PTA52L ① or (RU52L, SL37, SN1000 ①) or (UA52L, SN1000 ①)
R4	Brightness	200K 50K Stop	ET49X542 (M128J599-8)	F1-150K ②, SN100	B47-150K-S ① ② or (NP-150K-S ②, UP-B-400, TT-2)	B11-328 ②, TM4 ① or (BU11, CF72 ②, SS6 ①) *	RU154L ②, SL37, SN1000 ① or (UA25L ②, SN1000 ①) - (U43 ②)
R5	Contrast	1500Ω	ET49X525 (M128J599-2)	F5-1500, SN100	NP-1500-V, UP-B-400, TT-2	B17-109, TM4 ① or (BU11, CF30, SS6 ①) *	RU152R, SL37, SN1000 ① or (UA152R, SN1000 ①) or (U5)
R6	AGC Threshold	2500Ω 600Ω Stop	ET49X544 (M128J727-1)	F1-2500 ③, SNK010	A47-2000-S ③, RN-3, TT-2 or (NP-2000-S ③), UP-C-400, TT-2)	B11-110 ③, TM4 or (BU11, CF59 ③, SS6) *	RU23L ③, SL37, SN281 or (UA23L ③, SN281) or (U6 ③) MTC33L1
R7	AGC	3000Ω	ET49X529 (M128J553-3)				
R8	Vert. Size (Height)	750Ω 2W	ET49X579 (M128J598-3)	V-800	U39-800	110-1000 or (P115R102A)	MR850T
R9	Vert. Linearity	50Ω 2W	ET49X578 (M128J598-4)	V-60	U39-50	110-60 or (P115R500A)	MR50T
R10	Regulator Adjust (Voltage)	4000Ω	ET49X525 (M128J553-6)			X201R502B	MTC53L1

- ① File flat.
② Connect a 47K Resistor in series with the left hand terminal of the control and the lead connected to the same terminal of the original control (control viewed from shaft end, terminals down).
③ Connect a 560Ω Resistor in series with the left hand terminal of the control and the lead connected to the same terminal of the original control (control viewed from shaft end, terminals down).

* "SNAPTROL"

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	G. E. PART No.			IRC PART No.	WORKMAN PART No.	G. E. PART No.
R86	Thermistor 1900Ω Cold			ET14X208	R87	V, D, R, † 10V @ 1ma			ET14X203

† Voltage Dependent Resistor

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				
		G. E. PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	WORKMAN PART No.
L1	Balun					
L2	41.25MC Trap	ET36X748				
L3	47.25MC Trap	ET36X750				
L4	1st Video IF	ET36X749				
L5	2nd Video IF	ET61X159				
L6	3rd Video IF	ET61X159				
L7	4th Video IF	ET56X59				
L8	Peaking (34uh)	ET36X751	19-3036	TV-180	72F395AP	T301
L9	RF Choke (10uh)	ET36X420	19-2016	BC-599	74F105AP	T860
L10	Peaking (180uh)	ET36X821	19-3180	BC-672	6180	T944
L11	Sound Takeoff/ 4.5MC Trap					
L12	Sound IF Interstage	ET61X160				
L13	Ratio Detector	ET51X21				

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	G. E. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC @ .2A AC	28VAC CT @ .805ADC		ET88X88					

TRANSFORMERS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		G. E. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	Vert. Output Choke	ET63X86 (23C220156-1)					
T3	Yoke (Horiz. 122uh) 90° (Vert. 75mh) Centering Ring Ass'y Clamp	ET76X40 (M-128J541)					
T4	Horiz. Blocking Osc.	ET5X04					
T5	Horiz. Buffer	ET35X50					
T6	Horiz. Output Core Half	ET77X87 12X126					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		G. E. PART No.	QUAM PART No.	
SP1	2 1/4" x 4" PM 6-8Ω	ET95X51		

FUSE DEVICES

ITEM No.	TYPE	RATING	REPLACEMENT DATA			
			PART No.		LITTELFUSE PART No.	
			FUSE	HOLDER	FUSE	HOLDER
F1	3AG, Pigtail	1A @ 250V	ET10X43		318,500	
F2	3AG, Pigtail	2A @ 250V	ET10X46		318002.	
					GJV 1/2	
					GJV 2	

MISCELLANEOUS

ITEM No.	PART NAME	G. E. PART No.	NOTES
M1	VHF Tuner	ET86X254	
M2	UHF Tuner	ET85X51	
M3	VHF Antenna	ET83X82	JFD Replacement TA471
M4	UHF Antenna	ET83X46	JFD Replacement TA433

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob - UHF Selector	ET43X715	Cabinet	ET97X751
Knob - UHF Indicator	ET43X713	Face Plate	ET94X116
Knob - VHF Selector	ET43X714	Cabinet Front	ET99X139
Knob - VHF Fine Tuning	ET43X581	Handle	ET76X247
Knob - Off/On/Volume, Secondary	ET43X636		

WIRING DATA

High Voltage Lead	Use BELDEN No. 8869 (17KV) or 8868 (25KV)
Shielded Hook-up Wire	Use BELDEN No. 8885 (Single Conductor) 8738 (Two Conductor)
General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Power Cord (Interlock Type)	Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)
300Ω Tuner Input Lead	Use BELDEN No. 8225
300Ω Antenna Lead-in	Use BELDEN No. 8230 or 8275
Antenna Rotor Cable	Use BELDEN No. 8464 (Flat) or 8484 (Round) - 4 Conductor 8485 (Round) - 5 Conductor 8486 (Round) - 8 Conductor

ELECTROLYTIC CAPACITORS (cont)

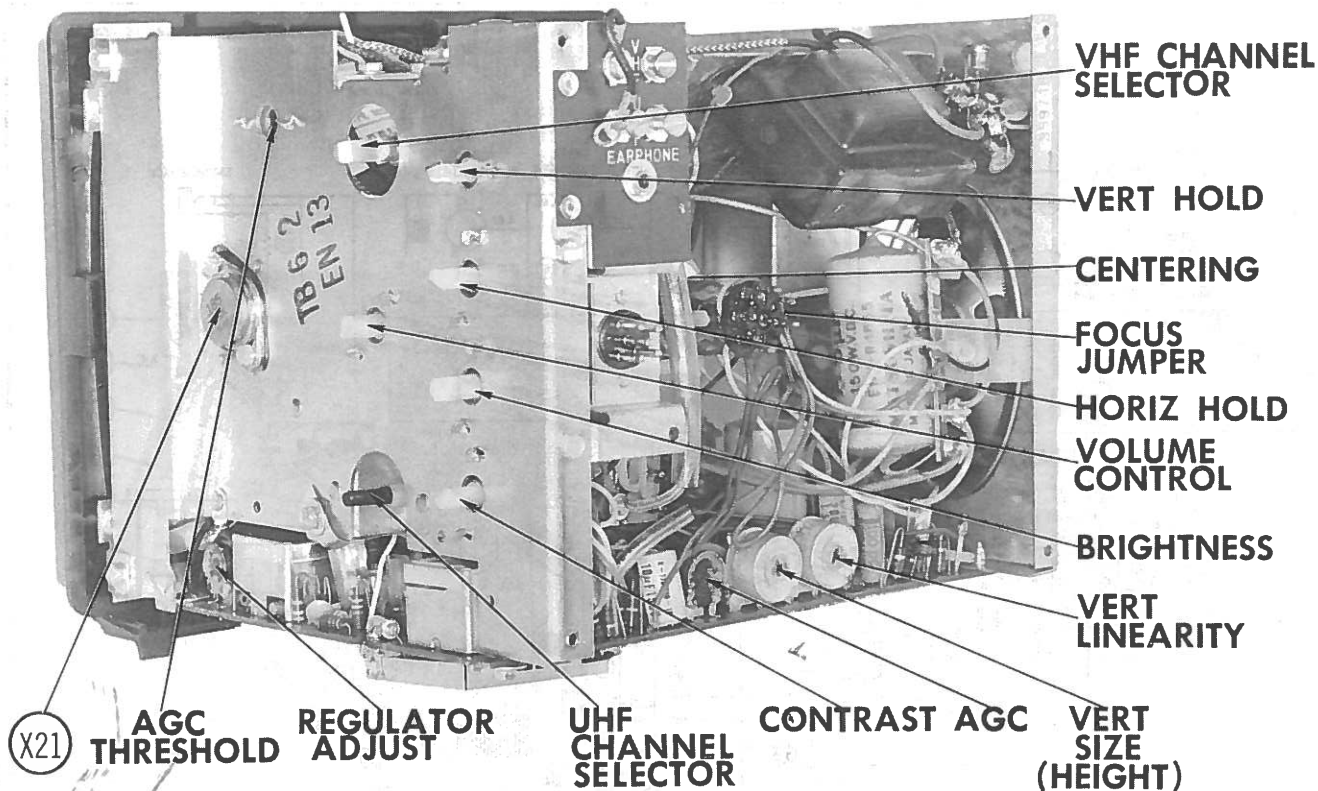
ITEM No.	RATING		REPLACEMENT DATA				
	CAP.	VOLT.	PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.
C11	10	6	ET31X238 (K-122J798-1)	BCD6010	NLW10-6	MT1-5	PET1340
C12	10	6	ET31X238 (K-122J798-1)	BCD6010	NLW10-6	MT1-5	PET1340
C13	50	6	ET31X262 (K-122J806-6)	CRE317A	NLW50-6	MT1-15	TT6X50
C14	200	6	①	BCD6200	NLW2 00-12	MT1-24	TT6X200
C15	5	15	(K-122J798-14) ET31X240 (K-122J806-1)	BCD15005	NLW5-15	MT1-3	TT15X5
C16	300	8	ET31X246 (K-122J798-11)	PTT104	NLW250-12	MT1-25	MTA300F15
C17	300	8	ET31X246 (K-122J798-11)	PTT104	NLW250-12	MT1-25	MTA300F15
C18	5	25	ET31X260 (K-122J806-3)	BCD25005	NLW5-50	MT1-3	TT25X5
C19	500	6	②	BCD12500	BR500-6	QT1-30	MTA500F6
C20	15	6	(K-122J798-3) ET31X261 (K-122J806-4)	BCD6015	NLW15-6	MT1-10	TT6X15
C21	10	150	ET31X242 (K-122J798-10)	CRE957A	NLW10-150	MT1-8	TT15X10

① Some versions may use 200mfd @ 15V, Part #ET31X263.

② Some versions may use 300mfd @ 8V, Part #ET31X246.

CAPACITORS

ITEM No.	RATING		REMARKS	REPLACEMENT DATA					
				AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C22	.001		(800pf) †	BPD-001	DD-102	HVX162XP102M	CCD-102	B210	5HK-D10
C23	150			NFO-DI 150	DTZ-150		CCCTO-151	CN0315	10TCC-T15
C24	.001				DD-102		CCD-102	B210	5HK-D10
C25	7	N750 10%			TCN-12	CZ601UJ6R8D		CN7568	10TCU-V68
C26	12	N750 10%			TCN-12	CZ601UJ120J		CN7412	10TCU-Q12
C27	22	N750 10%		N750-DI 22	DTN-22	CZ601UJ220K	CCTN-220	CN7410	10TCU-Q10
C28	10	N750		N750-DI 10	DTN-10	CZ601UJ100K	CCTN-100	CN7568	10TCU-V50
C29	6	N750 10%	(5pf) †					CN0522	10TCC-V22
C30	2.2			NFO-DI 2.2	DTZ-2R2	CZ601CJ2R2D	CCTO-2R2	B382	5GA-T82
C31	800			DI-820	DD-821	BYZ601ZU821P	CCD-821	B210	5HK-D10
C32	.001	10%		BPD-001	DD-102	HVX162XP102M	CCD-102	B210	5HK-D10
C33	.001	10%		BPD-001	DD-102	HVX162XP102M	CCD-102	B210	5HK-D10
C34	4	N750 10%						CN7547	10TCU-V47
C35	7	N750 10%				CZ601UJ6R8D		CN7568	10TCU-V68
C36	1.2			NFO-DI 1.0	TCZ-1			CN0610	10TCC-V10
C37	.001	10%		BPD-001	DD-102	HVX162XP102M	CCD-102	B210	5HK-D10
C38	.001	10%		BPD-001	DD-102	HVX162XP102M	CCD-102	B210	5HK-D10
C39	4	N750 10%						CN7547	10TCU-V47
C40	9	N750 10%						CN7410	10TCU-V82
C41	.001	10%						B210	5HK-D10
C42	82	N750 5%		BPD-001	DD-102	HVX162XP102M	CCD-102	CN7482	10TCU-Q32
C43	800				TCN-92	CS601UJ820K	CCTN-820	B382	5GA-T82
C44	15	N750 10%		DI-820	DTN-15	BYZ601ZU821P	CCD-821	CN7415	10TCU-Q15
C45	.001	10%		N750-DI 15	DTN-15	CZ601UJ150J	CCTN-150	B210	5HK-D10
C46	10			BPD-001	DD-102	HVX162XP102M	CCD-102	CN0410	10TCC-Q10
C47	10			NPO-DI 10	DTZ-10	CZ601CG100J	CCTO-100	CN0410	10TCC-Q10
C48	800			NPO-DI 10	DTZ-10	CZ601CG100J	CCTO-100		
C49	800			DI-820	DD-821	BYZ601ZU821P	CCD-821	B382	5GA-T82
C50	390			DI-820	DD-821	BYZ601ZU821P	CCD-821	B382	5GA-T82
C51	.002	10%		DI-390	DD-391	RR05CW391K	CCD-391	GP334	5GA-T39
C52	.01	50V		BPD-002	DD-202	BY601ZU202P	CCD-202	B220	5HK-D20
C53	800			TTD-01	CK-103	HOY101ZV103M		TA110	TG-S10
C54	6.5			DI-820	DD-821	BYZ601ZU821P	CCD-821	B382	5GA-T82
C55	.1	200V		D1-6.8	DD-6R8		9CDD-6R8	GP668	10TS-V68
C56	.1	100V	(6pf) †	P288N-1	DF-104	PM2P1	2DP-3-104	PVC201	2TM-P10
				P288N-1	DF-104	PM2P1	2DP-3-104	PVC201	2TM-P10
C57	200	N750 10%		N750-DI 200	DTN-200			CN7320	10TCU-T20
C58	.02			BPD-02	DD-203	BYT601ZU203Z	CCD-203	B120	5HK-S20
C59	.02			BPD-02	DD-203	BYT601ZU203Z	CCD-203	B120	5HK-S20
C60	.02			BPD-02	DD-203	BYT601ZU203Z	CCD-203	B120	5HK-S20
C61	200	125V 5%		ADM-15-201	CPR-200J	CD15F201J500	DM-15-201	MS-320	
C62	.02			BPD-02	DD-203	BYT601ZU203Z	CCD-203	B120	5HK-S20
C63	.02			BPD-02	DD-203	BYT601ZU203Z	CCD-203	B120	5HK-S20
C64	.02			BPD-02	DD-203	BYT601ZU203Z	CCD-203	B120	5HK-S20
C65	75	125V 5%		ADM-15-750	CPR-75J	CD15F750J500	DM-15-750	SK475	MS-475
C66	240	125V 5%		ADM-15-241	CPR-75J	CD15F241J500	DM-15-241	SK324	MS-324
C67	800			DI-820	DD-821	BYZ601ZU821P	CCD-821	B382	5GA-T82
C68	.047	50V		P288N-047	DD-503	PM2S47	4DP-3-473	PVC2147	2TM-S47
C69	800			DI-820	DD-821	BYZ601ZU821P	CCD-821	B382	5GA-T82
C70	.066	200V 5%						PVC4056	4PS-S66
C71	.05							TA150	TH-S50
C72	.1	100V		DTZ-05	DF-104	PM2P1	2DP-3-104	PVC201	2TM-P10
C73	.0027	10%		P288N-1	DF-104			GP227	5GA-D27
C74	.022	200V 10%		DI-2700	DD-272			GEM4122	4TM-S22
C75	.22	200V		P488N-022	DD-203	PM4S22	4DP-2-223	PVC2022	2PS-S22
C76	.033	100V 10%		DBE2P22	DMF2P22	DMF2P22	2DP-4-224		4PS-S33
C77	.22	200V		DBE2P22	DMF4S33	DMF4S33	2DP-2-333	PVC2022	2PS-S22
C78	6.5mfd 150V		†ET25X53	DBE2P22	DMF2P22	DMF2P22	2DP-4-224		166P6.5-20
C79	.0039	10%			DD-392		CCD-392	GP239	5GA-S39
C80	.022	200V 10%		P488N-022	DD-203	PM4S22	4DP-2-223	GEM4122	4TM-S22
C81	270	N1500					*	GEM4122	4TM-S22
C82	.022	100V 10%		P488N-022	DD-203	PM4S22	4DP-2-223	SK247	MS-247
C83	.0047	5%		ADM-20-472	CPR-4700J	CD19F472J500	DM-19-472	GP239	5GA-P39
C84	.0039	10%			DD-392		CCD-392	PVC201	2TM-P10
C85	.1	200V		P288N-1	DF-104	PM2P1	2DP-3-104		75GA-T47
C86	470	7KV						B210	5HK-D10
C87	470	7KV						B210	5HK-D10
C88	.001			BPD-001	DD-102	HVX162XP102M	CCD-102		
C89	.001			BPD-001	DD-102	HVX162XP102M	CCD-102		



CABINET—REAR VIEW

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

Tune to a TV station and set all controls for normal operation. Adjust the Horizontal Hold Control, R3 until the picture cannot be disrupted when switching from channel to channel.

REGULATOR ADJUST

Connect receiver to a variable AC power source. Adjust for 120 VAC input to receiver.

Adjust Regulator Control, R10, for +12 VDC at Point \diamond .

DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

Remove control knobs from side of cabinet and remove chassis dust cover. Most chassis components are accessible for servicing when chassis cover is removed.

CABINET REMOVAL

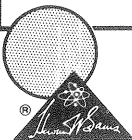
Remove control knobs from side of cabinet. Remove 5 Phillips head screws from the rear cover and 2 from bottom front corners of the mask.

NOTE: Carrying handle should be pulled and held in the "out" position before removing cabinet.

PICTURE TUBE REMOVAL

1. Follow "Chassis Removal" instructions and disconnect picture tube socket and high voltage anode lead.
2. Loosen clamp on yoke and remove screw from each corner of picture tube mounting bracket.
3. Separate picture tube and mask from chassis.

PHOTOFACT® Folder

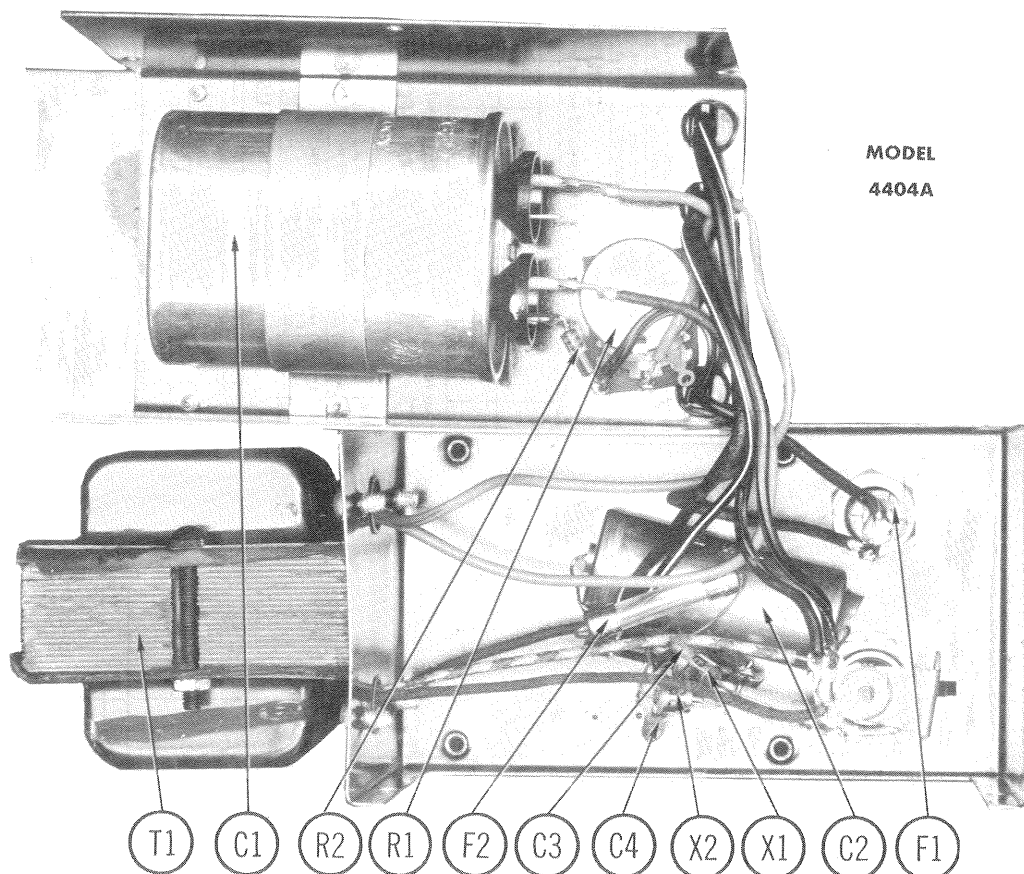


GENERAL ELECTRIC PORTABLE BATTERY PACK MODELS 4404A/B/C

IMPORTANT FILING NOTICE

This PHOTOFACT Folder covers equipment used with the TV chassis covered in PHOTOFACT SET 831 FOLDER 3. File this Folder with the TV Folder in the yellow filing jacket provided.

GENERAL ELECTRIC PORTABLE
BATTERY PACK MODELS 4404A/B/C



MODEL
4404A

GENERAL ELECTRIC PORTABLE
BATTERY PACK MODELS 4404A/B/C

TRADE NAME: General Electric
SUPPLIER: For Current Address, see Annual Index
TYPE SET: Portable Battery Pack (Battery Charger) Models 4404A, 4404B, 4404C

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206



The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. NC767

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DATE 8 -66

SET 831 FOLDER 3-A

MODEL 4404A

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS	
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLOY PART No.	SARKES TARTIAN PART No.
X1	.800A	E757X30	GE-504A or GE-505	SD500 or 5A4-D	1N536 or C7P50 ①	SK-3016 or F-4 or 40C
X2	.800A	E757X30	GE-504A or GE-505	SD500 or 5A4-D	1N536 or C7P50 ①	SK-3017 or F-4 or 40C

① Use a single unit replacement for X1 and X2.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	CAP.	VOLT.	G. E. PART No.	REPLACEMENT DATA	
					CORNELL-DUBIER PART No.	GENERAL ELECTRIC PART No.
C1	370AC	30	30	E751X251	OTG605K	OP970
C2	1200	40	40	E751X252	5RL000-25	TC50100
C3	370AC	30	30	E751X251	OTG605K	OP970
C4	1200	40	40	E751X252	5RL000-25	TC50100

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBIER PART No.	ELMENDO PART No.
C3	.001		BPD-001	DD-102	HYX168X102M	CCD-102
C4	.001		BPD-001	DD-102	HYX168X102M	CCD-102

CONTROLS

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

ITEM No.	USE	RESISTANCE	G. E. PART No.	REPLACEMENT DATA	
				CENTRALAB PART No.	CLAROSTAT PART No.
R1	Voltage Adjust	10Ω 5W	E749X340 ①	WN-100 or WW-100	AWRL10 or (AW10) or (BUT, WFL6, S86) *

① Part #E749X340 (500Ω, 2W) is used in Battery Charger Model 4404C.

TRANSFORMER (POWER)

ITEM No.	RATING	PRI.	SEC. 1	SEC. 2	REPLACEMENT DATA	
					G. E. PART No.	STANCOR THORDARSON PART No.
T1	117VAC @ 2A AC	117VAC @ 2A AC	13VAC CT @ 25ADC		E758X31 ①	

FUSE DEVICES

ITEM No.	TYPE	RATING	REPLACEMENT DATA	
			LITTELFUSE PART No.	BUSS PART No.
F1	3AG	1A @ 250V	312001	342001
F2	3AG, Pilotail	2A @ 250V	E710X46 ②	AGC 1

① Some versions use 3/8 Amp. (Part #E710X11).

② Not used in Model 4404C.

BATTERIES

ITEM No.	VOLTAGE	G. E. PART No.	REPLACEMENT DATA	
			EVEREADY	MALLOY
M1	15		561	

BATTERY CHARGER MODEL 4404C

GENERAL ELECTRIC MODELS 4404A/B/C BATTERY PACK MODELS 4404A/B/C

