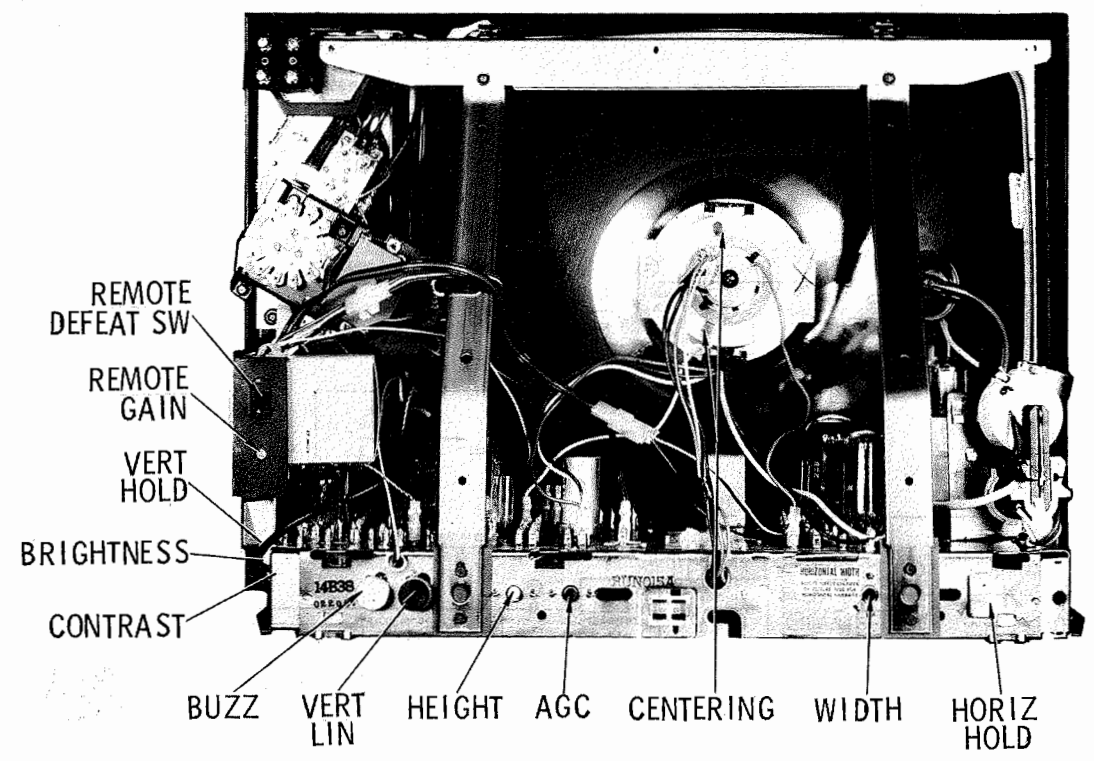


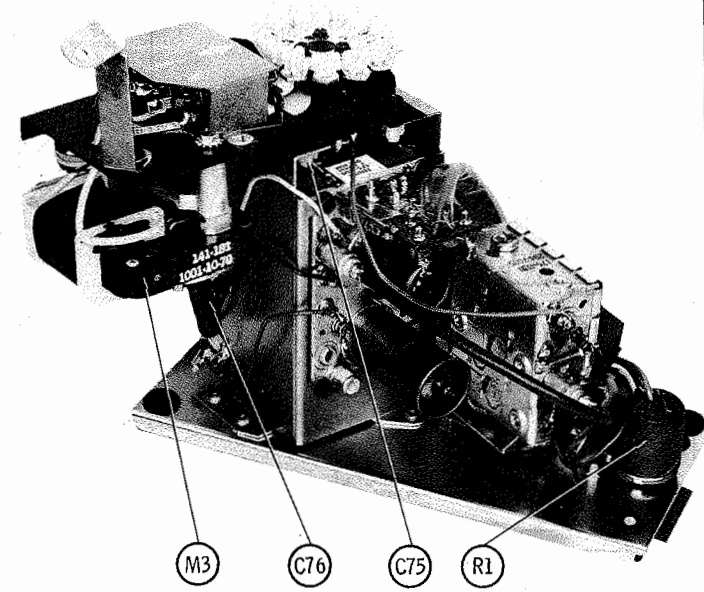
TO B+ SWITCHING ON VHF TUNER
22K
470pf
TO UHF TUNER B+ SOURCE
33K (47K)
22K
1200Ω

ZENITH
CHASSIS 14B38/Z, 14B39/Z

FOLDER 3



CABINET-REAR VIEW



TUNER ASSEMBLY

DISASSEMBLY INSTRUCTIONS

- Chassis Removal
1. Remove 8 screws holding back cover, 3 side knobs; disconnect antenna leads, and remove back from cabinet.
- Note: Most Components can be serviced at this point.
2. Remove remaining knobs and lay set face down on a soft protective surface. Remove picture tube socket, yokr, H.V. anode lead speaker leads, and ground strap. Remove clip retaining remote microphone.
3. Remove 5 screws holding chassis and 3 screws holding the tuner assembly. Lift Tuners and chassis out of the cabinet.
- Picture Tube Removal
1. Follow "Chassis Removal" procedure.
 2. Remove 4 screws holding picture tube. Lift tube out. Do not lift neck.

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

The Horizontal Hold is equipped with a stop which limits rotation to 270° with the knob on the shaft. To adjust, remove the knob and adjust by turning the shaft until the picture is synchronized to the point where it is virtually impossible to disrupt horizontal synchronization when switching from channel to channel. Install knob with pointer centered between the stops.

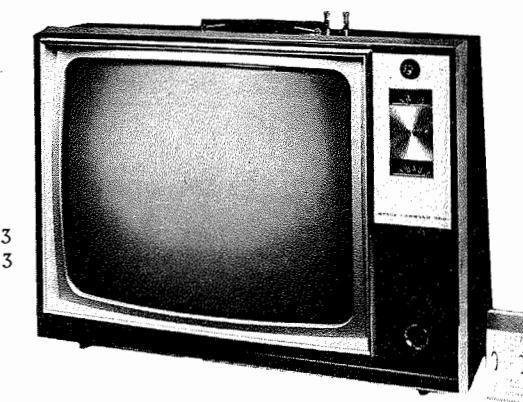
SET 1156 FOLDER 3
ZENITH
CHASSIS 14B38/Z, 14B39/Z

PHOTOFACT® Folder

For Supplier Address See PHOTOFACT Index

MODEL	CHASSIS	REMOTE	MODEL	CHASSIS	REMOTE
B2002J2	14B38Z		S2697L4	14B39,Z	
B2002J3	14B38Z		S2697L5	14B39,Z	
B2005W2	14B38Z		T2654L2	14B38	
B2005W3	14B38Z		T265463	14B38	
B2009W3	14B38Z		T2655W2	14B38Z	
B2044W2	14B38	S-85833	T2655W3	14B38Z	
B2044W3	14B38Z	S-85833	T2673W4	14B38	S-85833
S2697L2	14B39,Z		T2673W5	14B38Z	S-85833
S269763	14B39,Z				

ZENITH
CHASSIS 14B38/Z, 14B39/Z



MODEL B2044W2

SAFETY PRECAUTIONS

- Make sure line voltage does not exceed rating of set. Beware of shock from high voltage or AC line. Check high-voltage regulation and adjust to correct value. Discharge high voltage to HV cage only.
- Be sure shields and rear cover are in place and secure. Use extreme care when handling picture tube. Do not bump, scratch, or exert undue strain.
- CAUTION: One side of AC line connected to chassis. Use isolation transformer for servicing. Make certain isolation networks are in place and exposed metal is safe to touch before returning set to customer.

SERVICING IN THE FIELD

- CRT - IMPLSION PROTECTION AND CLEANING
- Implosion protection is an integral part of the picture tube, cleaning accomplished without CRT removal.
- FUSE/FUSE DEVICE
- A 1.8 or 2.0 amp fuse is used for AC line protection. (See Tube Placement Chart for location.) Replace with 2 Amp fuse.
- VHF TUNER
- The fine tuning mechanically engages oscillator slug for adjustment (one slug for each channel).
- HORIZONTAL OSCILLATOR
- Adjustment of the horizontal hold is accomplished by the proper setting of the horiz. oscillator slug. (See cabinet Rear view Photo for loacation.)
- HORIZONTAL LINEARITY
- For horizontal linearity, (efficiency,) adjust sleeve on neck of pix tube for best horiz. linearity.
- WIDTH
- The width may be varied by adjusting the width control. (See Cabinet Rear View Photo for location.)
- FOCUS
- The focus may be varied by connecting the lead from pin 4 of the Picture Tube to various voltage points.
- AGC
- The AGC may be varied by means of an AGC control. (See Cabinet Rear View Photo for location.)
- BUZZ
- To eliminate intercarrier buzz, adjust the Buzz control for MINIMUM Buzz and Maximum sound. (See Cabinet Rear View Photo for location.)
- CENTERING
- Centering is accomplished by proper adjustment of two magnetic rings located on the yoke rear cover.

REMEMBER TO ASK— "What else needs fixing?"

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



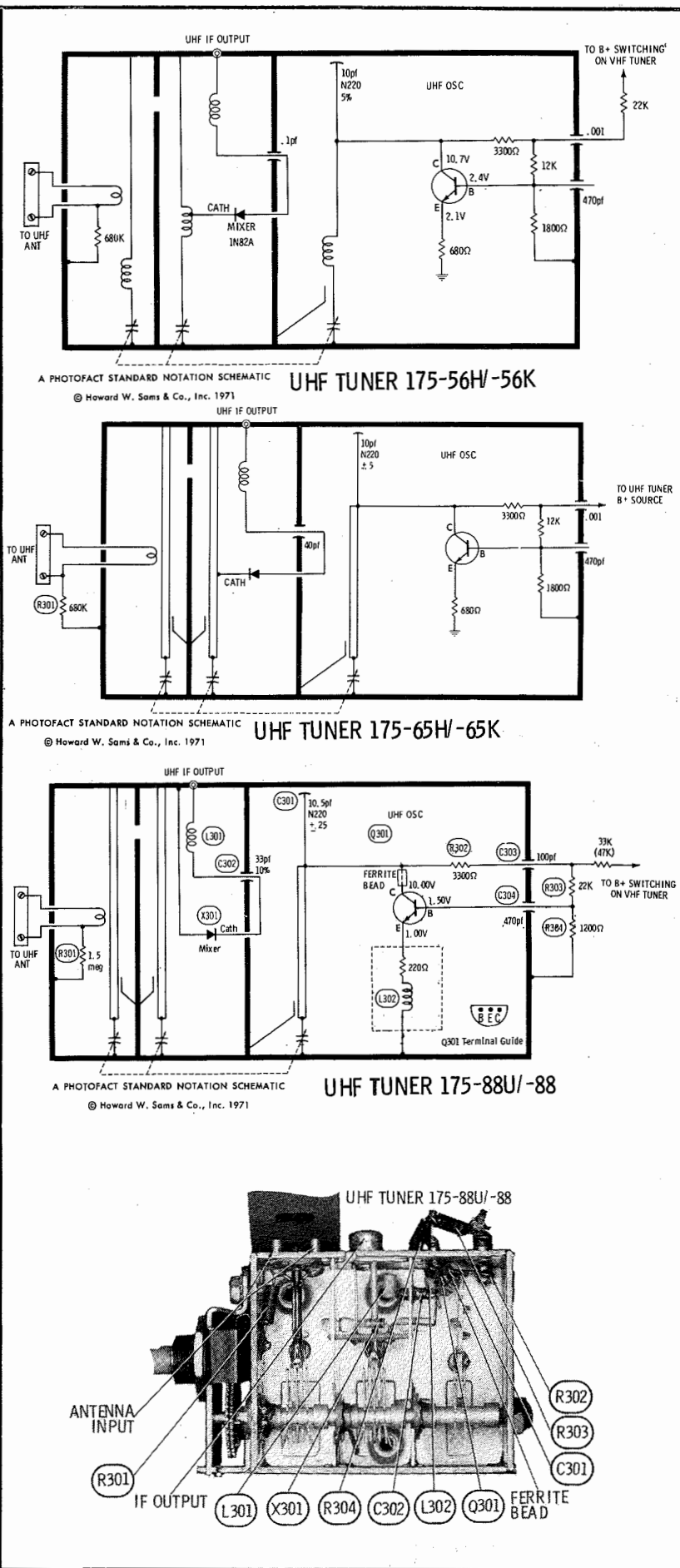
The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. 1PA013

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DATE 2 -71 SET 1156 FOLDER 3

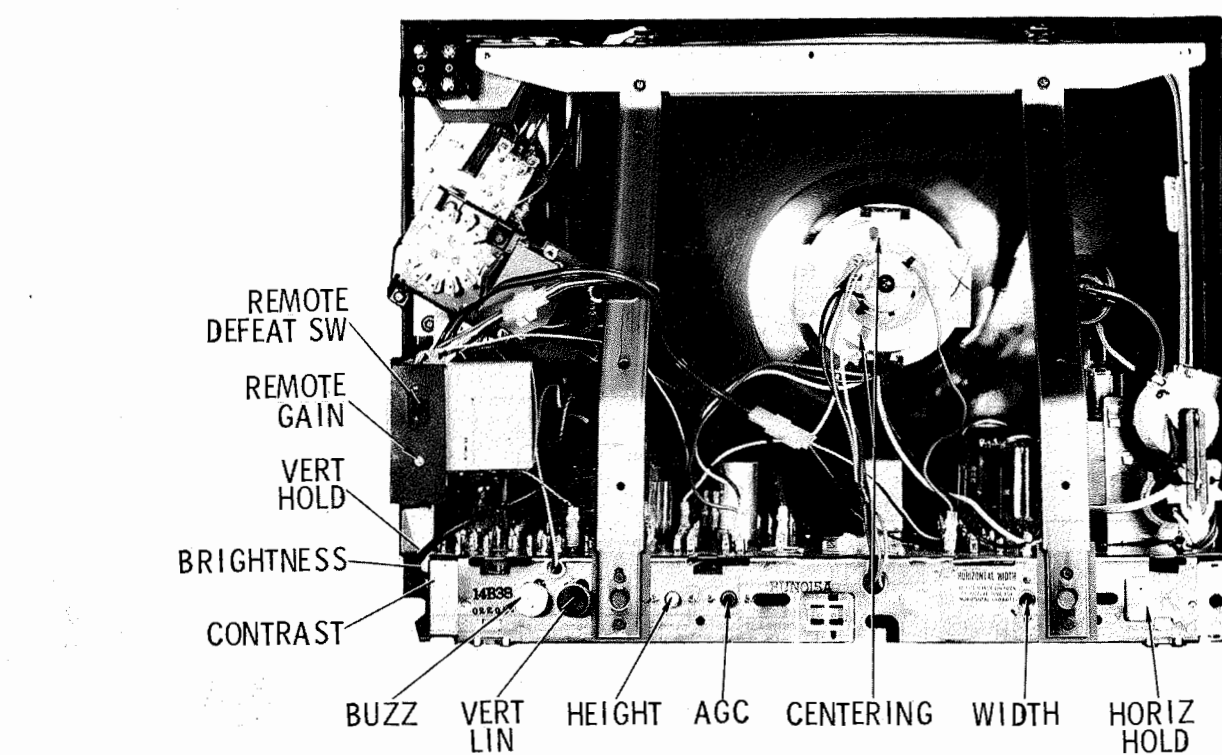
ZENITH
CHASSIS 14B38/Z, 14B39/Z

SET 1156 FOLDER 3



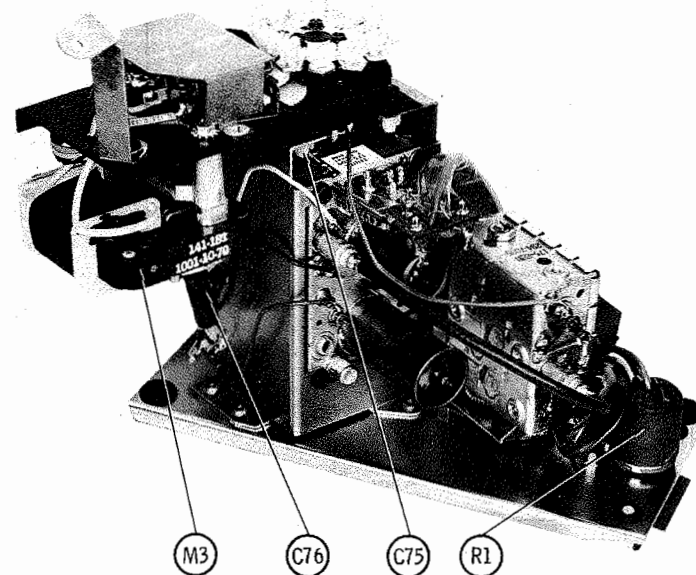
ZENITH
CHASSIS 14B38/Z, 14B39/Z

FOLDER 3



CABINET-REAR VIEW

TUNER ASSEMBLY



HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

The Horizontal Hold is equipped with a stop which limits rotation to 270° with the knob on the shaft. To adjust, remove the knob and adjust by turning the shaft until the picture is synchronized to the point where it is virtually impossible to disrupt horizontal synchronization when switching from channel to channel. Install knob with pointer centered between the stops.

DISASSEMBLY INSTRUCTIONS

Chassis Removal

1. Remove 8 screws holding back cover, 3 side knobs; disconnect antenna leads, and remove back from cabinet.

Note: Most Components can be serviced at this point.

2. Remove remaining knobs and lay set face down on a soft protective surface. Remove picture tube socket, yoke, H.V. anode lead speaker leads, and ground strap. Remove clip retaining remote microphone.

3. Remove 5 screws holding chassis and 3 screws holding the tuner assembly. Lift Tuners and chassis out of the cabinet.

Picture Tube Removal

1. Follow "Chassis Removal" procedure.

2. Remove 4 screws holding picture tube. Lift tube out. Do not lift neck.

PHOTOFACT® Folder

For Supplier Address See

MODEL	CHASSIS	REMOTE	MODEL
B2002J2	14B38Z		S2697L4
B2002J3	14B38Z		S2697L5
B2005W2	14B38Z		T2654L2
B2005W3	14B38Z		T265463
B2009W3	14B38Z		T2655W2
B2044W2	14B38	S-85833	T2655W3
B2044W3	14B38Z	S-85833	T2673W4
S2697L2	14B39,Z		T2673W5
S269763	14B39,Z		

SAFETY

Make sure line voltage does not exceed rating of set. Check high-voltage regulation and adjust to correct value. Be sure shields and rear cover are in place and secure.

CAUTION: One side of AC line connected to chassis. Make certain isolation networks are in place to customer.

SERVICING

CRT - IMPLOSION PROTECTION AND CLEANING

Implosion protection is an integral part of the picture tube, cleaning accomplished without CRT removal.

FUSE/FUSE DEVICE

A 1.8 or 2.0 amp fuse is used for AC line protection. (See Tube Placement Chart for location.) Replace with 2 Amp fuse.

VHF TUNER

The fine tuning mechanically engages oscillator slug for adjustment (one slug for each channel).

HORIZONTAL OSCILLATOR

Adjustment of the horizontal hold is accomplished by the proper setting of the horizontal oscillator slug. (See cabinet Rear view Photo for location.)

HORIZONTAL LINEARITY

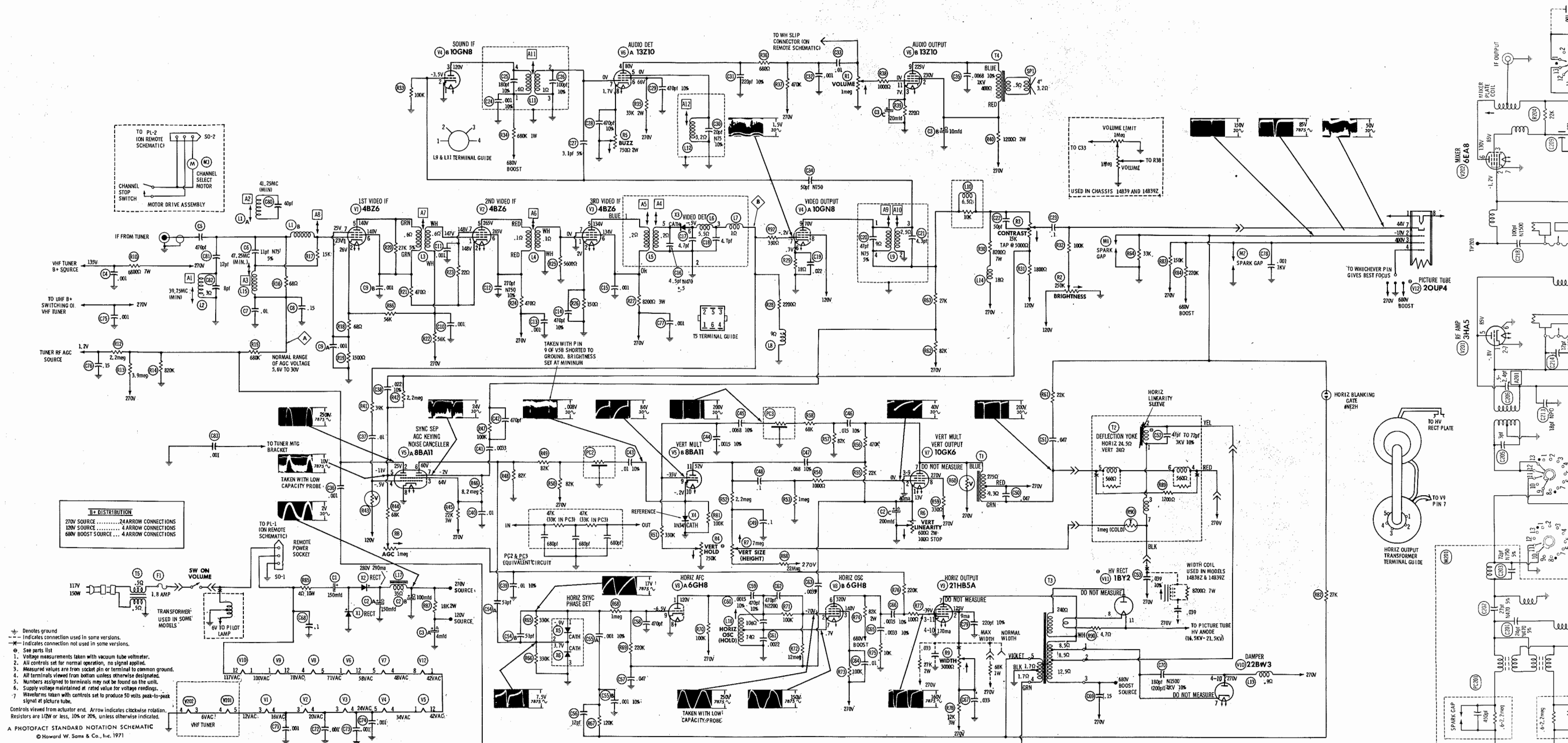
For horizontal linearity, (efficiency,) adjust sleeve on pix tube for best horiz. linearity.

REMEMBER TO ASK

HOWARD W. SAMS & CO.

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by 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.





VHF TUNER PARTS LIST AND DESCRIPTION

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

TUBES

AMPEREX			GENERAL ELECTRIC		RCA		SYLVANIA	
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V201	RF Amp	3HA5	V202	Mixer - Oscillator	6EA8			

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.
C201	24 N470	5%				*	*	10TCT-Q25
C202	27 N470	5%				*	*	10TCT-Q27
C203	72 N750	5%				*	*	10TCU-Q75
C204	33 N750					*	*	10TCU-Q33
C205	3	±.5				*	*	10TCC-V30
C206	.5-2.4pf					*	*	
C207	.001					*	*	
C208	1.8	10%				*	*	10TCC-V18
C209	.001					*	*	
C210	.001					*	*	
C211	5 NPO					*	*	10TCC-V50
C212	24 N330					*	*	10TCS-Q25
C213	18 NPO					*	*	10TCC-Q18
C214	12 N750					*	*	10TCU-Q12
C215	.001					*	*	
C216	.001					*	*	
C218	100 N1500					*	*	10TS-D10

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M201	Balun and Filter Assembly	S-73217	Includes L201, C201, C202, C203, PC201, PC202, and associated coils.
PC201	Chassis Isolation Network	105-97	.6-2.2meg, 450pf, CENTRALAB Replacement RC-471
PC202	Chassis Isolation	105-97	.6-2.2meg, 450pf, CENTRALAB Replacement RC-471

UHF TUNER PARTS LIST AND DESCRIPTION

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

TRANSISTORS

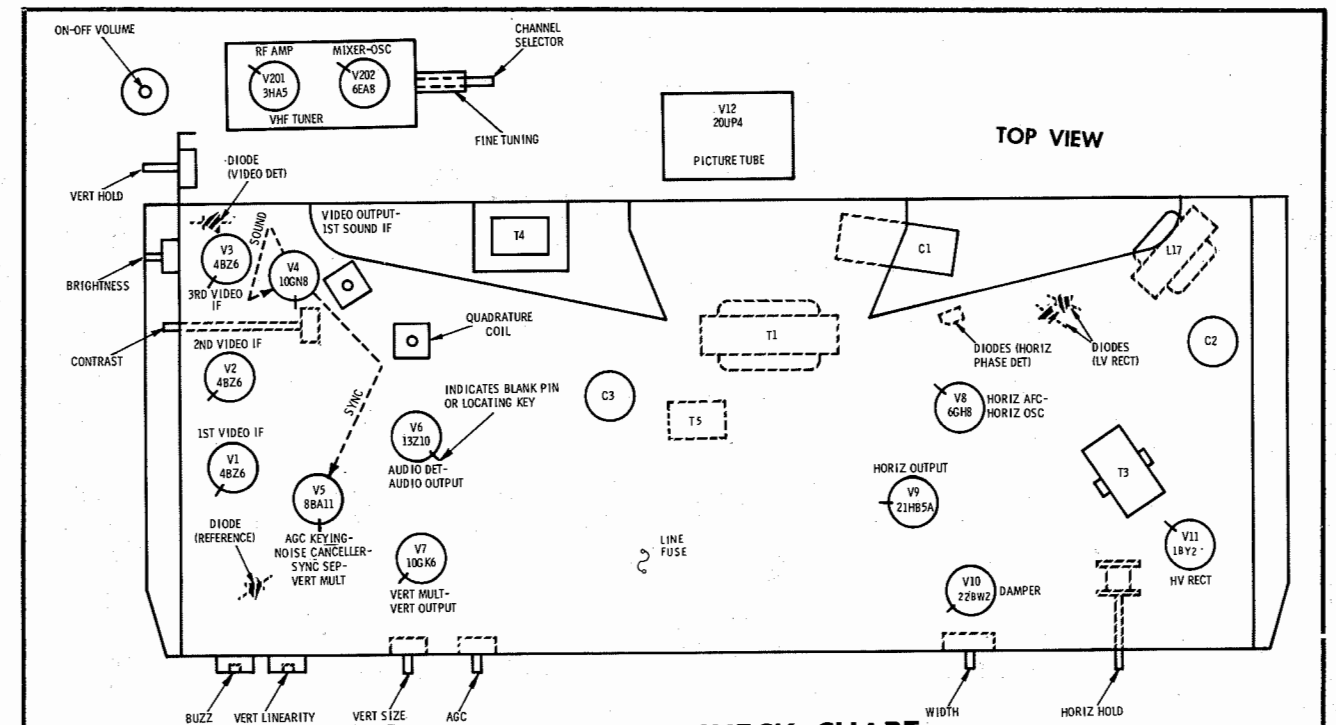
ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q301	121-551	UHF Oscillator		GE-11	TR-24	HEP56	SK3019	ECG 107

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
X301	103-61	1N82A	1N82AG	1N82A	ECG 112	

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.
C301	10.5pf	N220 ±.25						
C302	33pf	10%						
C303	.001							
C304	470							



TUBE FAILURE CHECK CHART

The following chart lists tubes whose failures are most likely to produce indicated symptoms. Refer to tube placement chart for location and type of tube.

POWER SUPPLY FAILURE

No raster, no sound X1, X2, F1

SWEEP FAILURE

No raster, has sound V8, V9, V10, V11, V12
No vertical deflection V5, V7
Poor vert. linearity or foldover V5, V7
Poor horiz. linearity or foldover V8, V9, V10
Narrow picture V8, V9, V10, X1
Vert. off freq. V5, V7
Horiz. off freq. Horiz. Phase Detector X5, V8

LOSS OF PICTURE OR SOUND

No pic, no sound, has raster V1, V2, V3, V4, X3
No pic, no sound, has snow V201, V202, V1
No pic, has sound, has raster V4, V12
Has pic, no sound V4, V6
Overloaded picture V5

SYNC FAILURE

No vert. sync V5
No horiz. sync V5
No vert. or horiz. sync V5

This receiver employs tubes used in a series filament network, an open filament in any tube will cause the set to be inoperative.

RESISTANCE MEASUREMENTS

ITEM	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12	TOP CAP
V1	4BZ6	1.5meg	1568Ω	3.5Ω	5Ω	470Ω ▲	470Ω ▲	1500Ω						
V2	4BZ6	30K	INFINITE	5Ω	6.5Ω	505Ω †	505Ω †	22Ω ▲						
V3	4BZ6	0Ω	150Ω	6.5Ω	8Ω	8200Ω †	8200Ω †	0Ω						
V4	10GN8	0Ω	100K	680K †	12Ω	8Ω	0Ω	150Ω *	10K	6500Ω †				
V5	8BA11	12Ω	700K	22K	INFINITE	2.6meg	45K † #	8.2meg †	0Ω	550K	150Ω *	6meg #	14Ω	
V6	13Z10	25Ω	1200Ω †	220Ω	470K †	5Ω	33K †	1Ω	250Ω	1535Ω †	TP	300K	20Ω	
V7	10GK6	310Ω	1meg	0Ω	17Ω	20Ω	NC	310Ω †	365Ω †	0Ω				
V8	6GH8	100K †	100K	100K †	28Ω	25Ω	82K †	108Ω	0Ω	1.5meg				
V9	21HB5A	36Ω	17K †	NC	NC	NC	NC	9.8Ω †	NC	NC	0Ω	3meg	28Ω	
V10	22BW2	36Ω	NC	NC	NC	NC	NC	450K	NC	NC	44Ω †	NC	40Ω	
V11	1BY2													248Ω
PINS 1 THRU 12 HAVE INFINITE RESISTANCE														
V12	20UP4	14Ω	33K	220K †	35Ω †	NC	NC	150K	17Ω					
V201	6HA5	3meg	0Ω	3.5Ω	2.5Ω	8000Ω †	0Ω	0Ω						
V202	6EA8	10.8K †	220K	30K †	0Ω	2.5Ω	5200Ω †	0Ω	0Ω	10K				
ITEM	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12	TOP CAP

* READING DEPENDS ON POLARITY OF METER CONNECTIONS.

▲ MEASURED FROM PIN 2 OF V2.

NC NO CONNECTION

THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.

† MEASURED FROM OUTPUT OF X2.

‡ MEASURED FROM PIN 7 OF V10.

TP TIE POINT

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 A10 GENERAL CEMENT #8606, 8606L, 8869 ... WALSCO #2543, 2544, 2588
Mixer Plate Coil ... GENERAL CEMENT #9296, 9297, 9300 WALSCO #2510, 2546, 2547

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 bias supply to the IF AGC line (point \diamond) and adjust to obtain a response curve which shows no indication of overload. Disable Oscillator section of Mixer-Osc. Set the Channel Selector to any non-interfering channel.

INDICATOR	GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	ADJUST	REMARKS
1. Connect DC probe of a VTVM thru a 47K resistor to point \diamond . Common to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. Low side to ground.		39.75 MC 41.25 MC 47.25 MC	A1 A2 A3	Adjust for MINIMUM.
2. Connect vertical input of a scope to point \diamond . Low side to ground.	Connect high side thru .002mfd capacitor to Point \diamond . Low side to ground.	44MC (10MC Sweep)	42.17MC 44.00MC 45.75 MC	A4, A5	Adjust for maximum amplitude and MINIMUM tilt with markers as shown in Figure 1.
3. Connect vertical input of a scope to point \diamond . Low side to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. Low side to ground.	44MC (10MC Sweep)	39.75 MC 41.25 MC 42.17MC 44.00MC 45.75 MC 47.25 MC	A6, A7, A8 and Mixer Plate Coil	Adjust for maximum gain and symmetry of response with markers as shown in Figure 2. In order to obtain a proper response, it may be necessary to slightly retouch A4 and A5.

SOUND IF ALIGNMENT

4. Tune in a station and reduce the signal strength at the antenna terminals until a hiss is heard in the sound. Align for maximum undistorted sound with MINIMUM buzz by adjusting A10, A11, A12, and R5. If the hiss disappears during alignment, further reduce the signal strength.

4.5 MC TRAP ALIGNMENT

Tune in a strong TV signal and set the Contrast at maximum. Adjust the Fine Tuning until a beat pattern is visible on the screen. Adjust A 9 for MINIMUM beat interference.

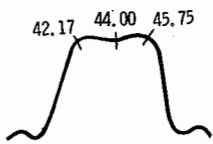


FIG. 1

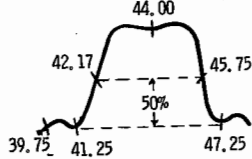
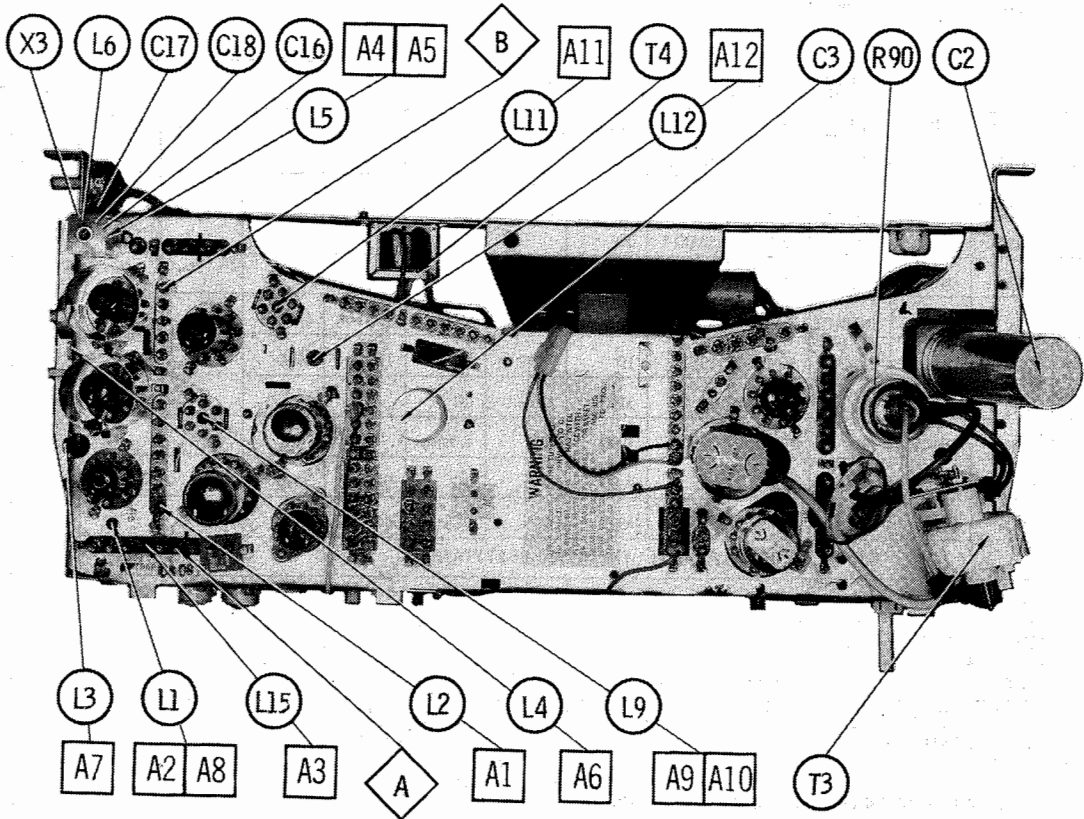


FIG. 2



CHASSIS TOP VIEW

VHF TUNER ALIGNMENT INSTRUCTIONS

OSCILLATOR ADJUSTMENTS

The oscillator for each channel is preset by means of the fine tuning control. Adjust fine tuning for best picture and sound on each channel.

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 \diamond . Adjust bias to obtain response curve which shows no indication of overloading.

SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
57MC	55.25 MC	2	Vert. Input to point \diamond , low side to ground		Expand or compress appropriate coils for maximum gain and symmetry of response similar to Fig. 201 with markers as shown.
63MC	59.75 MC	3			
68MC	61.25 MC	4			
73MC	65.75 MC	5			
78MC	71.25 MC	6			
83MC	77.75 MC	7			
88MC	83.25 MC	8			
93MC	89.75 MC	9			
98MC	95.25 MC	10			
103MC	101.75 MC	11			
108MC	107.25 MC	12			
113MC	113.75 MC	13			

CHANNEL & FREQUENCY CHART

SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL
57MC	55.25 MC	2	193.25 MC	191.75 MC	10
63MC	59.75 MC	3	197.25 MC	195.75 MC	11
68MC	61.25 MC	4	201.25 MC	199.75 MC	12
73MC	65.75 MC	5	205.25 MC	203.75 MC	13
78MC	71.25 MC	6	209.25 MC	207.75 MC	
83MC	77.75 MC	7	213.25 MC	211.75 MC	
88MC	83.25 MC	8	217.25 MC	215.75 MC	
93MC	89.75 MC	9			
98MC	95.25 MC	10			
103MC	101.75 MC	11			
108MC	107.25 MC	12			
113MC	113.75 MC	13			

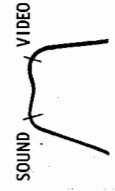
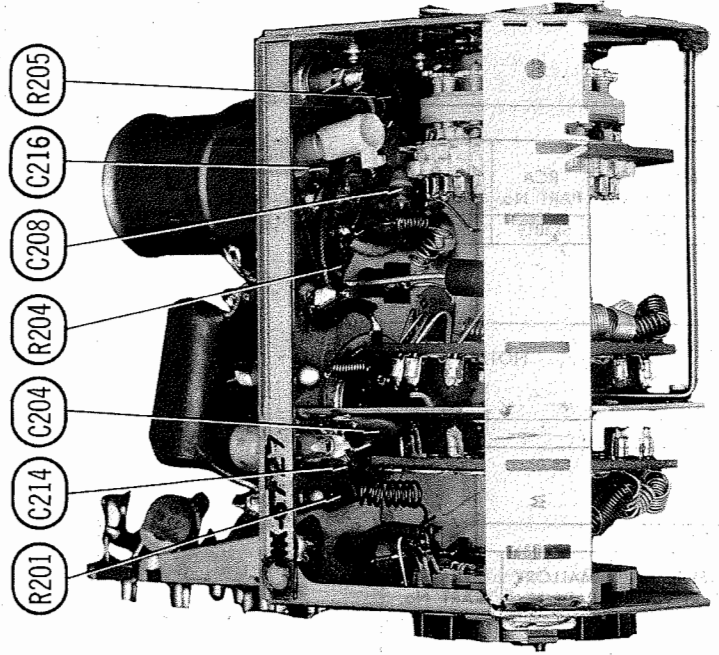
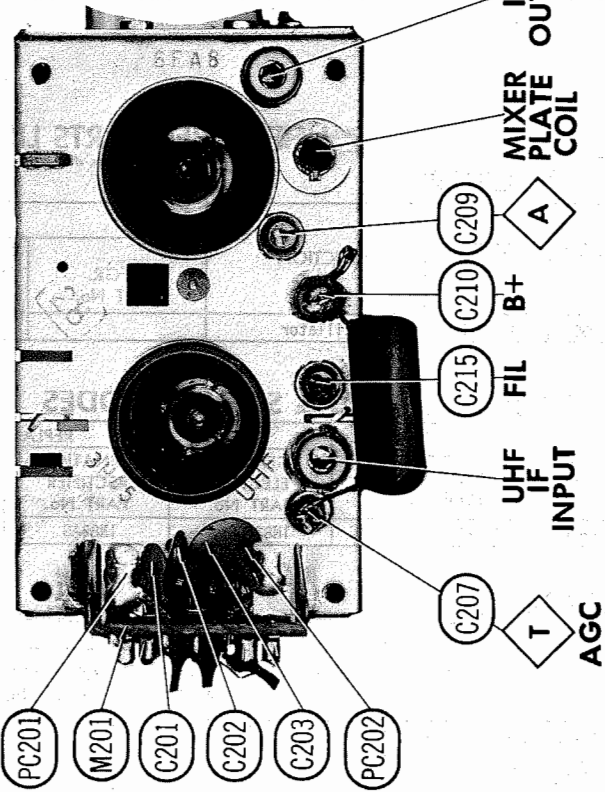
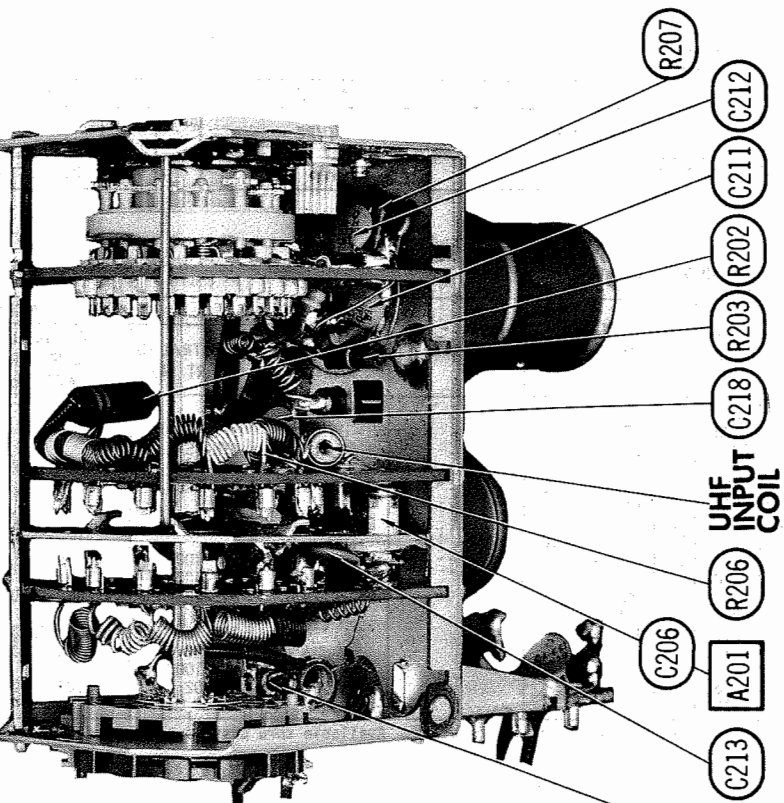


FIG. 201



VHF TUNER





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.

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L17	.32A DC	35	.8 H	95-1805	C-2347	26C78	C-28X	

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T5A B	1.2AAC	.5 .5	7mh 7mh	95-2884				

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T4	5000	3.2	95-2675	A-3309	24S48	S-6X	

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	4" PM, 3.2 ohms	49-1011	4A1	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER
F1	125V - 1.8 Slow-Blo 125V 2 Amp	136-65 (1) 136-88		MDV2		315002.	

(1) Replace with #136-88.

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
300-Ohm Tuner Input Lead	Use BELDEN No. 8225
300-Ohm 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 8488 (Round) - 8 Conductor

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	MODEL	PART NUMBER KEY															
		B2002J2	B2002J3	B2005W2	B2005W3	B2009W3	B2044W2	B2044W3	S2697L2	S2697L3	S2697L4	S2697L5	T2654L2	T2654L3	T2655W2	T2655W3	T2673W4
CABINET	1	1	2	2	3	4	4	5	5	5	5	6	6	7	7	8	8
CABINET BACK	9	9	10	10	11	12	13	14	14	14	14	15	15	16	16	17	17
KNOB, BRIGHTNESS	18	18	27	27	33	38	38	44	44	44	44	48	48	33	33	56	56
KNOB, CONTRAST	18	18	27	27	33	38	38	44	44	44	44	48	48	33	33	56	56
KNOB, HORIZ. HOLD	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
KNOB, VERT. HOLD	18	18	27	27	33	38	38	44	44	44	44	48	48	33	33	56	56
KNOB, VOLUME	20	20	28	28	34	39	39	20	20	20	20	49	49	49	49	39	39
KNOB, VHF CHAN. SEL.	21	21	29	29	35	40	40	45	45	45	45	50	50	50	50	40	40
KNOB, VHF FINE TUN.	22	22	30	30	36	41	41	22	22	22	22	22	22	22	22	41	41
KNOB, UHF DIAL	23	25	23	31	(A)	42	42	(B)	(B)	46	47	51	53	23	55	42	42
KNOB, UHF TUNING	24	26	24	32	37	43	43	(B)	(B)	24	32	52	54	24	32	43	43

PARTS LIST AND DESCRIPTION

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

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TUBES

AMPEREX			GENERAL ELECTRIC		RCA		SYLVANIA	
ITEM No.	USE		TYPE		ITEM No.	USE		TYPE
Q301	UHF Oscillator (Transistor)		121-551		V5	AGC Keying-Noise Canceller-Sync Separator-Vert. Mult.		8BA11
V202	RF Amp.		3HA5		V6	Audio Det.-Audio Output		13Z10
V202	Mixer-Oscillator		6EA8		V7	Vert. Mult. - Vert Output		10GK6
V1	1st Video IF		4BZ6		V8	Horiz. AFC - Horiz. Osc.		6GH8
V2	2nd Video IF		4BZ6		V9	Horiz. Output		21HB5A
V3	3rd Video IF		4BZ6		V10	Damper		22BW3
V4	Video Output - Sound IF		10GN8		V11	HV Rectifier		1BY2 (2BU2)

PICTURE TUBE

ITEM No.	REPLACEMENT DATA				NOTES
	MFGR. PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	SYLVANIA PART No.	
V12	20UP4 or 19VALP4			20UP4 (1)	(1) SS85

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
X1	212-71	GE-504A	5A6-D or 9DD6A (1)	SK3017A or SK3032	ECG 116 or ECG 117	(1) A single unit replacement for both rectifiers.
X2	212-71	GE-504A	5A6-D or 9DD6A (1)	SK3017A or SK3032	ECG 116 or ECG 117	(2) Single unit replacement for X5 & X6.
X3	103-23	1N60	1N60	1N60	ECG 109	
X4	103-51	1N34AS	1N34A	1N34A	ECG 109	
X5	103-142	6GC1 (2)	DD04 (2)		ECG 113 (2)	
X6	103-142					

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		ZENITH PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	150 200V	22-4654	PR1-060		WBR-160-250	QT1-27	TC593A	TVA-1447
C2a	150 350V	22-5268	AFH3-111-60		DD0474A		FP331.9	TVL-3637.10
b	100 350V							
c	200 25V							
C3a	4 350V	22-2744	AFH3-184		BB0490A	XC3-1A	FP332.7A	TVL-3668
b	10 400V				BR20-25			
c	20 25V							

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA						
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.	
C4	.001		DI-1000	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10	
C5	470		DI-470	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47	
C6	11 N75	5%	#22-3856				*		
C7	.1			DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C8	.15	100V				OMF1P15	1DP-3-154	PVC1015	
C8a	.001		DI-1000	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10	
C8b	.001		DI-1000	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10	
C10	.001	1KV	DI-1000	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10	
C11	.001		DI-1000	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10	
C12	270 N750	10%		TCN-270		CCTN-271	CN7327	10TCU-T27	
C13	.001		DI-1000	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10	
C14	470	10%	DI-470	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47	
C15	.001		DI-1000	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10	
C16	5.5 N470	± .5	#22-3221			*	*	10TCT-56	
C17	4.7			NPO-DI 4.7	DTZ-4R7		CCTO-4R7	CNO547	10TCC-V47
C18	4.7			NPO-DI 4.7	DTZ-4R7		CCTO-4R7	CNO547	10TCC-V47
C19	.022								
C20	47 N75	5%	#22-2467						
C21	4.3			HVD-15	DD30-4R7		CCT		
C22	50			NPO-DI 50	DTZ-50		CCTO-510	CNO450	10TCC-Q50
C23	.1	400V	DBE4P1		DMF4P1	4DP-3-104	PVC601	4PS-P10	
C24	.001	1KV 10%	DI-1000	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10	
C25	180	10%	ADM-15-181	CPR-180J	CD16F181J500	DM-15-181	MS-318	MS-318	
C26	100	10%	ADM-15-101	CPR-100J	CD15F101J500	DM-15-101	MS-31	MS-31	
C27	3.1	5%	NPO-DI 3.3	DTZ-3R3		CNO533	10TCC-V20	10TCC-V20	
C28	470	10%	DI-470	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47	
C29	470	10%	DI-470	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47	
C30	20 N75	10%					*		
C31	220	10%							
C32	.001		DI-220	DD-221	JBZ601YP221K	CCD-221	GP322	10TS-T22	
C33	.01		DI-1000	DD-102	JBS601YP102K	CCD-210	GP210	10TS-D10	
C34	50 N750		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C35	.0068	1KV 10%		TCN-40				10TCU-Q50	
C36	.001		DI-6800	DD-682	BYX601ZU682P	CCD-682	GP268	10TS-D68	
C37	.01		DI-1000	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10	
			DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C38	.022	400V 10%	DBE4S22		DMF4S22	4DP-2-223	PVC6122	4PS-S22	
C39	.01	10%	DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C40	.01		DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C41	.0033		DI-3300	DD-332	JBV601YP332K	CCD-332	GP233	10TS-D33	
C42	470		DI-470	DD-471	JBV601YP471K	CCD-471	GP347	10TS-T47	
C43	.01	10%	DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C44	.0015	10%	DI-1500	DD-152		CCD-152	GP215	10TS-D15	
C45	.0068	200V 10%	DBE6D68	CPR-6800J	DMF6D68	6DP-1-682	PVC6268	6PS-D68	
C46	.015	600V 10%	DBE6S15		DMF6S15	6DP-2-153	PVC6115	6PS-S15	

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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Have your local distributor check Sams COUNTER FACTS* for the most up-to-date replacement.

CAPACITORS (cont)

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.
C47	.068 600V 10%	(1)	DBE6S68		DMF6S68	6DP-4-683	PVC6168	6PS-S68
C48	.1 400V		DBE4P1		DMF4P1	4DP-3-104	PVC601	4PS-P10
C49	.1 600V		DBE6P1		DMF6P1	6DP-4-104	PVC601	6PS-P10
C50	.047 200V		DBE2S47		DMF2S47	4DP-3-473	PVC2147	2PS-S47
C51	.047 400V		DBE4S47		DMF4S47	4DP-3-473	PVC4147	4PS-S47
C52	47-72 3KV 10%							
C53	.039 600V 10%		DBE6S39		DPM6S39	6DP-3-393	PVC6139	6PS-S39
C54a	.001 10%		DI-50	DD-510	J8Z601YP500K	CCD-500	GP450	10TS-Q50
C54b	.001 10%		DI-50	DD-510	J8Z601YP500K	CCD-500	GP450	10TS-Q50
C55a	.001 10%		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C55b	.001 10%		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C56	.047 100V	#22-3938	DBE2S47		DMF2S47	4DP-3-473	PVC2147	2PS-S47
C57	.047 1KV		DI-470	DD-471	J8Z601YP471K	CCD-471	GP347	10TS-T47
C58	470pf		GP470	DD-471	GP470	CCD-471	GP347	10TS-T47
C59	.0015 10%		CPD 1500J		CD19F152J500	DM-19-152	SX215	MS-215
C60	.0022 600V		CPD 2200J		DMF6D22	6DP-1-222	PVC6222	6PS-D22
C61	.0033 10%		DI-3300	DD-332	J8V601YP332K	CCD-332	GP233	10TS-D33
C62	.0033 10%		DI-20000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10
C63	.0033 10%		DI-3300	DD-332	J8V601YP332K	CCD-332	GP233	10TS-D33
C64	.0015 10%		DI-1500	DD-152		CCD-152	GP215	10TS-D15
C65	.033 400V		DBE4S33		DMF4S33	4DP-2-333	PVC6133	4PS-S33
C66	.1 400V	#22-3938	DBE4P1		DMF4P1	4DP-3-104	PVC601	4PS-P10
C67	.15 600V		DBE6P15		DPM6P15	6DP-5-154	PVC6015	6PS-P15
C68	180pf		GP470	DD-181	GP180	CCD-181	GP318	10TS-T18
C69	.001 100V		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C70	.001 100V		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C71	.001 100V		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C72	.001 100V		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C73	.001 100V		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C74	.001 100V		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C75	.001 100V		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C76	.001 100V	#22-3938	DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C77	.001 100V		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C78	.001 1KV		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C79	220 10%		GP470	DD-221	GP220	CCD-221	GP322	10TS-T22
C80	.001 10%		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C81	.001 10%		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C82	.001 10%		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10
C83	.001 10%		DI-1000	DD-102	J8S601YP102K	CCD-102	GP210	10TS-D10

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

Zenith Part Number.

(1) Value varies, having been selected for MINIMUM yoke ringing. Replace with exact value found.

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume/Switch	1meg	63-5395	F2-1meg, SNF108, KR-1	NP-1meg-Z, NMS-A-300, NWE-12, TT-2	B13-137, TM10, 76-1 or [BU11, CF26, SS16, GC]*	RU16A, SL37, SD1375, US41 or [UA16A, SD1375, US41]
R2	Volume/Switch	1meg	63-6349 (6)	F2-1meg, SNF108, KR-1	NP-1meg-Z, NMS-A-300, NWE-12, TT-2	B13-137, TM10, 76-1 or [BU11, CF26, SS16, GC]*	RU16A, SL37, SD1500, US41 or [UA16A, SD1500, US41]
R3	Brightness	250K	63-6489	F1-250K, SNF100, AK-40	NP-1meg-Z, NMS-A-300, NWE-12, TT-2	B13-137, TM10, 76-1 or [BU11, CF26, SS16, GC]*	RU16A, SL37, SD1500, US41 or [UA16A, SD1500, US41]
R4	Contrast	15K, 5000 Tap	63-6491	F55-15K (1), SNK108, AK-16(2), AK-40	NP-1meg-Z, NMS-A-300, NWE-12, TT-2	B13-137, TM10, 76-1 or [BU11, CF26, SS16, GC]*	RU16A, SL37, SD1500, US41 or [UA16A, SD1500, US41]
R5	Vert. Hold	750K	63-7185	F1-750K, SNF100	NP-750K-S, NMS-A-300, TT-2	B11-136, TM10 or [BU11, CF64, SS16, DC1]*	RU754L, SL37, SD875 or [UA16L, SD875]
R6	Buzz	750 , 2W	63-6487	WT-850 (5), WSK104	NP-750K-S, NMS-A-300, TT-2	B11-136, TM10 or [BU11, CF64, SS16, DC1]*	RU754L, SL37, SD875 or [UA16L, SD875]
R7	Vert. Linearity	600 , 2W	63-6488	WT-500 (4) (5), WSK104	NP-750K-S, NMS-A-300, TT-2	B11-136, TM10 or [BU11, CF64, SS16, DC1]*	RU754L, SL37, SD875 or [UA16L, SD875]
R8	Height	100 Stop	63-6433	TT-90 or [F1-7.5meg, SNK010]	NP-750K-S, NMS-A-300, TT-2	B11-136, TM10 or [BU11, CF64, SS16, DC1]*	RU754L, SL37, SD875 or [UA16L, SD875]
R9	AGC	1meg	63-4833	TT-69 or [F1-1meg, SNK010]	NP-750K-S, NMS-A-300, TT-2	B11-136, TM10 or [BU11, CF64, SS16, DC1]*	RU754L, SL37, SD875 or [UA16L, SD875]
R10	Width	3000	63-5031 (8)	TT-8 or [F1-5000, SNK010]	NP-750K-S, NMS-A-300, TT-2	B11-136, TM10 or [BU11, CF64, SS16, DC1]*	RU754L, SL37, SD875 or [UA16L, SD875]
R11	Volume Limit	1meg	63-7569 (7)				

(1) Do not use 10K Tap. * "SNAPTROL"

(2) Use coupler with portion of original shaft.

(3) Use portion of original shaft to obtain desired length.

(4) Connect a 100 , 2W, Resistor in series with terminal.

(5) Ground Center (Arm Terminal) to Chassis.

(6) Alternate Part used in Models B2002J2, B2002J3, B2005W2, B2005W3, B2009W3, S2697L2, S2697L3, S2697L4, S2697L5, T2654L2, T2654L3, T2655W2, T2655W3 and may be used in

some versions of Model B2044W2.

(7) Used only in Chassis 14839 and 14839Z.

(8) Width control not used in Chassis 14838Z and 14839Z.

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.			WORKMAN PART No.	MFGR. PART No.
R10	6800 7W	7G-6.8K	63-5338	R60	V.D.R.		63-7447
R27	8200 3W	3G-8.2K	63-4098	R85	4 10W	10W-SQ-5	8246
R30	8200 7W	10W-SQ-8.2K	63-6805	R90	Thermistor (1meg Cold)	FS301	
R43	V.D.R.		63-5314	R78	12K 3W	3G-12K	63-4842
R45	22K 3W	3G-22K	63-5025				

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	1st Video IF/41.25MC Trap	S-85165			
L2	39.75MC Trap	20-860			
L3	2nd Video IF	S-78276			
L4	3rd Video IF	S-85210			
L5	4th Video IF	95-2711			
L6	Peaking (90uh)	20-2013	19-3093	6177	T368
L7	RF (6uh)	20-2004	19-2014	4610	T992
L8	Peaking (170uh)	20-2014	19-3180	72F184AP	T397
L9	Sound Takeoff/4.5MC Trap	S-74446			
L10	Peaking (194uh)	20-2512 (1)	19-4201 (2)	6154 (2)	T362 (2)
L11	Sound IF	S-74445			
L12	Quadrature	S-75409			
L13	RF (10uh)	20-2005	19-1005	72F105AP	T860
L14	Peaking (730uh)	20-2003	19-2031		
L15	47.25MC Trap	20-860			

(1) Wound on 10K Resistor.

(2) Shunt with 10K Resistor.

TRANSFORMERS (Sweep Circuits)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	Vert. Output	95-2333	A-8148 (1)	26S22	A-133X	(1) Cut & Tape Green Lead
T2	Yoke	95-2874	DY-87AT	Y-1056 (3)(4)	YT-103-1(2)	(2) Remove Orange & White Lead.
T3	Horiz. Output	(95-2391)	H0-413 (5)		D-260 (5)	(3) Remove Black Lead
		S-84610				(4) Use original Damping Network If Necessary And See Hook Up Data Sheet.
						(5) Use original Mounting Bracket and original High Voltage Socket.

SWEEP COMPONENT CONNECTION DATA

ORIGINAL	HORIZONTAL OUTPUT								VERTICAL OUTPUT							
	Original Connections								Original Connections							
REPLACEMENT	WHT	WHT	YELL	RED	GRN	VIOL			BLUE	RED	GRN					
STANCOR	WHT	WHT	YELL	RED	GRN	VIOL			BLUE	WHT	RED					
THORDARSON									BLUE	RED	GRN					
TRIAD	WHT	WHT	YELL	RED	GRN	VIOL			BLUE	RED	YELL					
ORIGINAL	YOKE								YOKE PLUG							
	Original Connections								TO YOKE TERMINALS							
STANCOR	1	3	†	6	4	▲										
THORDARSON	2	7	†	6	4											
TRIAD	2	7	†	6	4											

▲ Rotate Yoke 180°

† Use Original/Meg. Thermistor & Connect From Yoke Term #7 To Chassis Term (W)

COILS (Sweep Circuits)

ITEM No.	FUNCTION	REPLACEMENT DATA					
		MFGR. PART No.	MILLER PART No.	STANCOR PART No.	THORDARSON MEISSNER PART No.	TRIAD PART No.	WORKMAN PART No.
L16	Horiz. Oscillator (Hold)	S-56877	H-161		HS-24		

REMOTE RECEIVER PARTS LIST AND DESCRIPTION

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

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q1	121-675	1st Amp		GE-20	TR-21	HEP732	SK3018	ECG 123A
Q2	121-677	2nd Amp		GE-20	TR-21	HEP732	SK3018	ECG 123A
Q3	121-677	3rd Amp		GE-20	TR-21	HEP732	SK3018	ECG 123A
Q4	121-676	Relay Control-On-Off		GE-18	TR-25	HEP735	SK3018	ECG 128
Q5	121-676	Volume Channel Selector Relay Control		GE-18	TR-25	HEP735	SK3018	ECG 128

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
X1	212-51	GE-504A	8D4 or 5A4D	SK3031 or SK3017A	ECG 116 or ECG 117	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		ZENITH PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	200 35V	22-3721	PRS1380	EA50-250	WBR300-35	QT1-27	TC50025A	TL-1312
C2	10 3V	22-3705	CRE457A	EA6-10	AL10-25	MT1-5	MTA10D35	TE-1053
C3	25 30V	22-5591	CRE762A	EA50-25	WBR25-50	MT1-12	MTA25E35	TE-1305.5
C4	40 30V	22-5592	CRE765A	EA50-50	WBR60-50	MT1-17	MTA35E35	TE-1306

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.
C11	.05		GPD Z5V503P	DD-503			GP150	
C12	.05		GPD Z5V503P	DD-503			GP150	
C13	.05		GPD Z5V503P	DD-503			GP150	
C14	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C15	.05		GPD Z5V503P	DD-503			GP150	
C16	820	5%	ADM-20-821		CD19F821J500	DM-19-821	SX382	MS-382
C17	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C18	820	5%	ADM-20-821		CD19F821J500	DM-19-821	SX382	MS-382
C19	.01		GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C20	.0033		GPD X5R332K	DD-332	GP3300	CCD-332	JF233	10TS-D33

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	40.75KC Input	95-2411			
L2	41.25KC Output	95-1966			
L3	40.25KC Output	95-1967			

TRANSFORMER (Power)

ITEM No.	RATING			REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC @35MA AC	24VAC @35MA DC		95-2622				

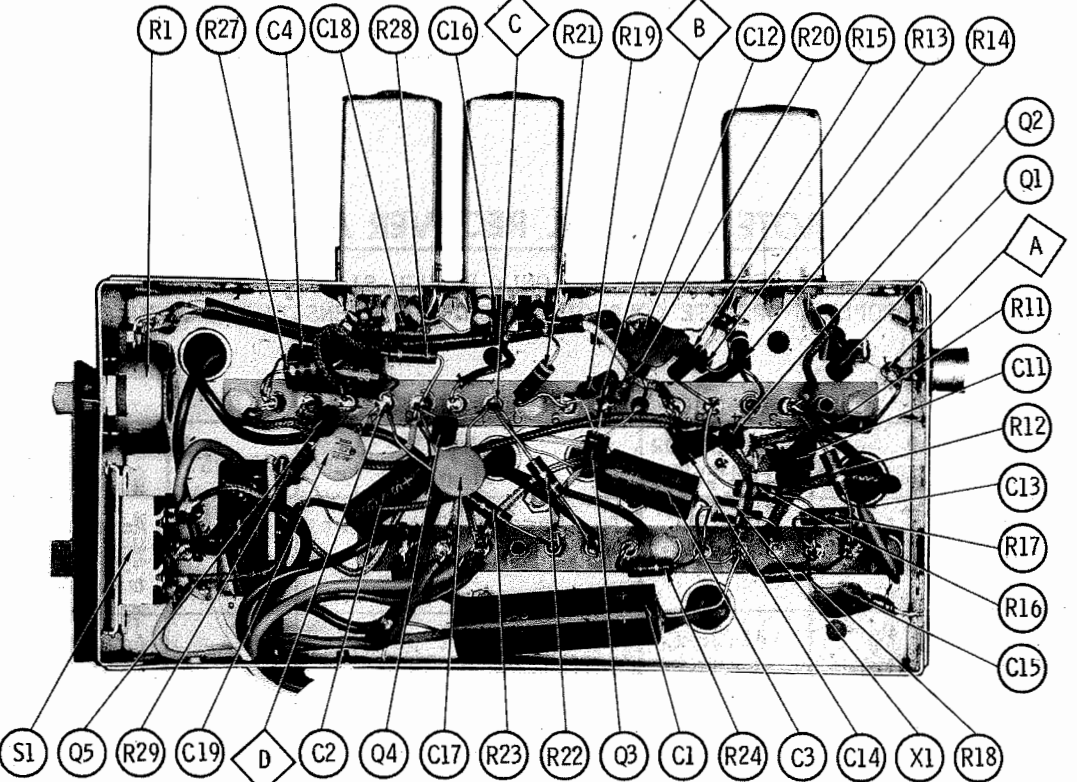
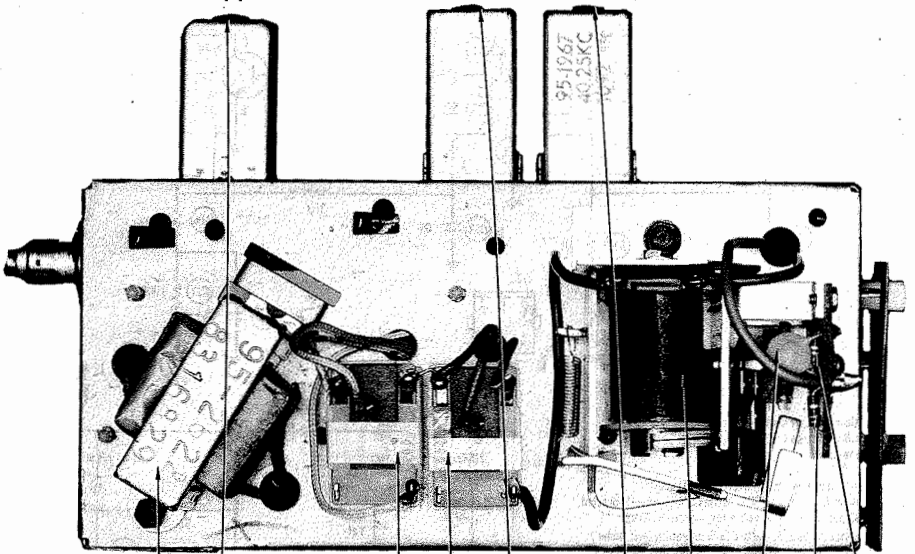
MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
K1	Relay	195-45	Pilot
K2	Relay	195-45	Channel Selector
K3	Relay	195-49	On-Off-Volume Step
M1	Transducer		
S1	Switch	85-1016	Remote On-Off

PHOTOFACT® Folder

ZENITH
REMOTE CONTROL S-85833

For Supplier Address See PHOTOFACT Index



REMEMBER TO ASK— "What else needs fixing?"

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.

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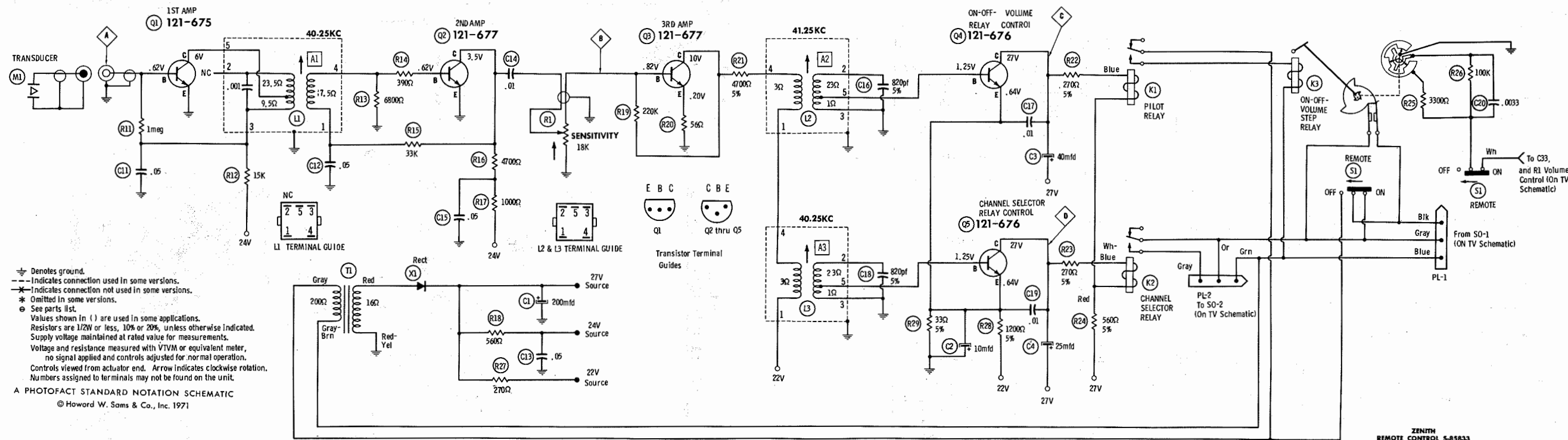
SET 1156 FOLDER 3-A

SET 1156 FOLDER 3-A

ZENITH
REMOTE CONTROL S-85833

ZENITH
REMOTE CONTROL S-85833

SET 1156 FOLDER 3-A



REMOTE CONTROL RECEIVER ALIGNMENT

USE AN ACCURATE SIGNAL GENERATOR. USE ONLY ENOUGH SIGNAL STRENGTH TO GIVE A USABLE INDICATION OR PROPERLY OPERATE CORRECT TRANSMITTER (SENSITIVITY ADJUST TO CENTER RANGE POSITION)

GENERATOR COUPLING	GENERATOR FREQUENCY	CONNECT VTVM	ADJUST	REMARKS
Thru a .001mfd to (base of Q1) point A .	40.75MC	To (base of Q3) point B .	A1	Adjust for Maximum (Coil is Broad-tuned)
Thru a .001mfd to (base of Q1) point A .	41.25MC	To (collector of Q4) point C .	A2	Adjust for Maximum.
Thru a .001mfd to (base of Q1) point A .	40.25MC	To (collector of Q5) point D .	A3	Adjust for Maximum.

(ADJUST RECEIVER SENSITIVITY CONTROL FOR RELIABLE OPERATION) USING HAND RECEIVER AT 25 FEET.

TRANSMITTER PARTS LIST AND DESCRIPTION

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

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
	Complete Unit	S83593	300 Series Transmitter
	Trans Mechanism Assembly	S69438	
	Transmitter Case	43-1060	1 Ring on Rod 2 Rings on Rod 3/8" long - 1 Ring 13/32" long - 2 Rings
	Rod "C" (Ch. Selector)	76-1004	
	Rod "D" (On-Off Volume)	76-1005	
	Hammer (Ch. Selector)	97-625	
	Hammer (On-Off Volume)	97-626	
	Rod Mounting Bracket	800-293	
	Top Housing & Overlay Assembly	S83543	Part of S-69438 (2 used)
	Hammer Housing	43-798	
	Pushbutton	46-4384	