

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

Tune in a TV station and set all controls for normal operation. Connect a clip lead across the Horizontal Waveform Coil, L19. Adjust the Horizontal Hold Control (Horizontal Oscillator Coil Slug) until the picture is in horizontal sync. Remove the clip from lead the Horizontal Waveform Coil. Connect Vertical Input of Scope, using a low capacity probe to point to low side to ground. Adjust Horizontal Waveform Coil Slug B1, until the sharp peaks are 10% higher in amplitude than the rounded portion as shown on waveform photo

in schematic. Adjust Horizontal Hold Control (Horizontal Oscillator Coil Slug) to keep picture in sync during adjustment.

Adjust the Width Coil Slug, B2, until the picture is just wider than necessary to fill the screen.

Adjust the Horizontal Linearity Coil slug, B3, until the picture is linear from left to right across the entire screen.

DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

1. Remove all control knobs from cabinet.
2. Remove 8 Phillips head screws from back cover, and remove back cover.
3. Disconnect picture tube socket, yoke plug, high voltage anode lead, and speaker leads.
4. Remove 2 screws from volume control mounting plate, and remove volume control.

5. Remove 3 screws from rear of tuner mounting bracket and 2 screws from front of mounting bracket.
6. Remove 4 Phillips head screws from bottom of cabinet. Remove chassis and tuner assembly.

PICTURE TUBE REMOVAL

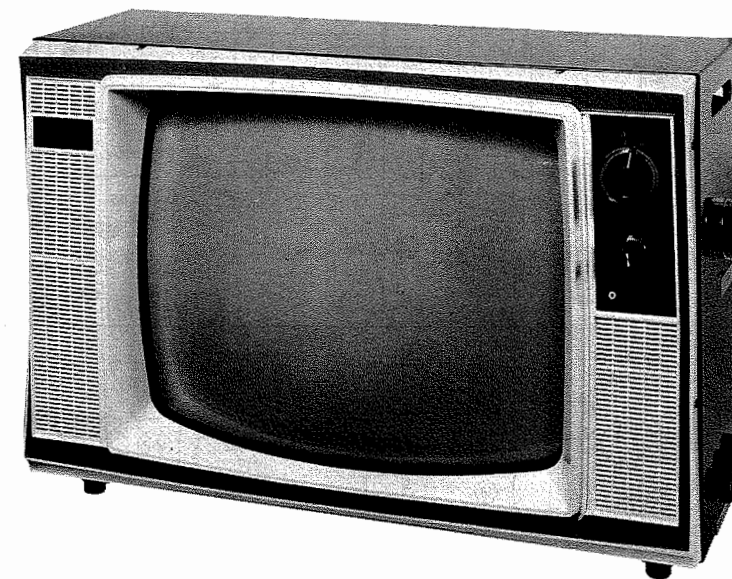
1. Follow "Chassis Removal" instructions.
2. Remove 3/8" nut from each corner of picture tube, and remove picture tube.

CHANNEL MASTER
MODEL 6572

SET 782 FOLDER 2

PHOTOFACT® Folder

CHANNEL MASTER
MODEL 6572



MODEL 6572

CAUTION
ONE SIDE OF AC LINE CONNECTED TO CHASSIS

TRADE NAME	Channel Master Model 6572
SUPPLIER	For current address, see Master Index.
TYPE SET	Television Receiver
TUBES	VHF: Sixteen, UHF: Seventeen
POWER SUPPLY	110-120 Volts AC, 60 Cycles
TUNING RANGE	Channels 2 thru 13 VHF, 14 thru 83 UHF, Video IF 45.75MC, Sound IF 41.25MC (Intercarrier)
RATING	140 Watts, 1.45 Amps. @ 117 Volts AC

SERVICING IN THE FIELD

SAFETY GLASS

Remove control knobs from cabinet.

Remove 7 screws holding front mask and remove mask.

Remove 2 screws from each bracket at corners of safety glass. Remove safety glass.

FUSE OR FUSE DEVICE

Two 3 Amp. fuses are used for low voltage power supply protection. (See "Tube Placement Chart" for location.)

VHF OSCILLATOR ADJUSTMENT

Set fine tuning at the center of its range and adjust osc. slug (one for each channel) for best sound and picture.

AGC

The AGC may be varied by means of an AGC Control. (See "Tube Placement Chart" for location.)

WIDTH

The width may be varied by a Width Coil Slug. (See "Tube Placement Chart" for location.)

FOCUS

The focus may be varied by means of a Focus Control. (See "Tube Placement Chart" for location.)

BUZZ ADJUSTMENT

To eliminate intercarrier buzz, adjust the Ratio Detector secondary (A10) located on top of chassis.

CENTERING

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

PINCUSHION CORRECTION

Reduce the picture size so that the sides of the raster are visible. Position the magnets so that the sides are straight.

HORIZONTAL OSCILLATOR FIELD ADJUSTMENT

Coarse adjustment of the horizontal hold is accomplished by the proper setting of the Horizontal Waveform Coil, L19. (See "Tube Placement Chart" for location.)

The Horizontal Oscillator Slug is used for the horizontal hold. (See "Tube Placement Chart" for location.)

HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana



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DATE 11-65

SET 782 FOLDER 2

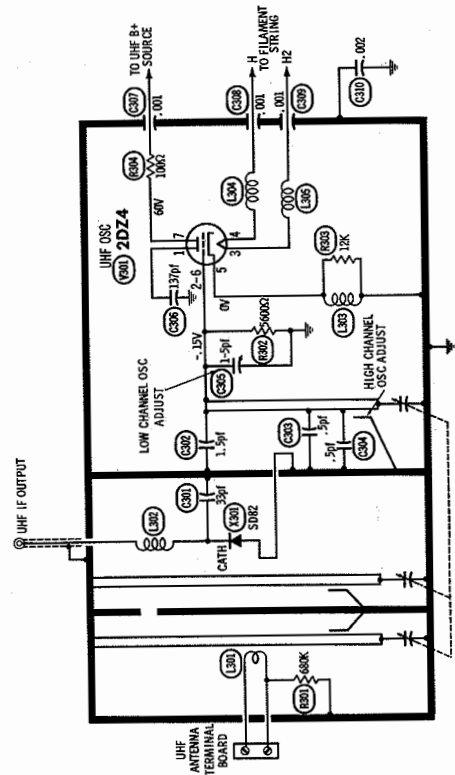
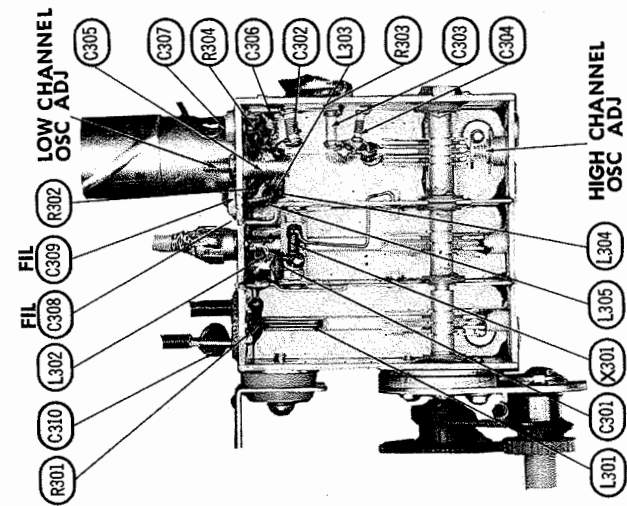
CHANNEL MASTER
MODEL 6572

SET 782 FOLDER 2

RESISTANCE MEASUREMENTS

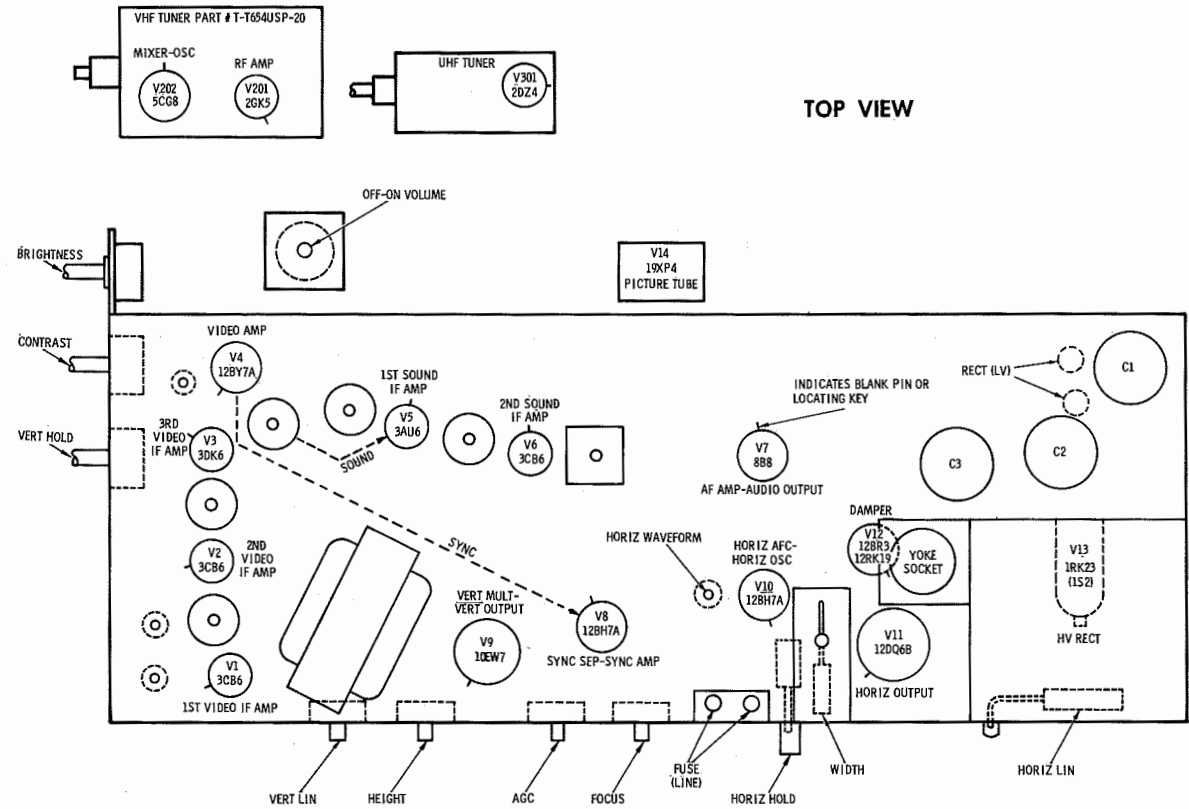
ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	3CB6	300K	47Ω	11Ω	12Ω	±500Ω	±4000Ω	0Ω		
V2	3CB6	260K	56Ω	12Ω	13Ω	±5000Ω	±5600Ω	0Ω		
V3	3DK6	.1Ω	270Ω	13Ω	14Ω	±3000Ω	±4400Ω	0Ω		
V4	12BY7A	160Ω	720K	0Ω	14Ω	14Ω	15Ω	±6200Ω	132K	0Ω
V5	3AU6	1.2Ω	0Ω	15Ω	16Ω	±6200Ω	±53K	150Ω		
V6	3CB6	100K	0Ω	16Ω	17Ω	±3000Ω	±53K	0Ω		
V7	888	20K	400Ω	500K	8Ω	10Ω	±1300Ω	±3400Ω	1250Ω	±230K
V8	12BH7A	±800K	2meg	0Ω	11Ω	11Ω	±10K	20K	0Ω	10Ω
V9	10EW7	±1800Ω	850K	NC	5Ω	8Ω	±1.5meg	830K	0Ω	680Ω
V10	12BH7A	±40K	360K	0Ω	3Ω	3Ω	±35Ω	600K	260K	1.5Ω
V11	12DQ6B	NC	17Ω	NC	10K	720K	NC	19Ω	0Ω	Top Cap/ ± 8Ω
V12	12BK19	NC	NC	NC	22Ω	19Ω	NC	NC	NC	±38Ω
V13	18K23	*	*	*	*	*	*	*	*	Top Cap/ ± 165Ω
V14	19XP4	1.5Ω	40K	±500K	2meg	NC	NC	370K	0Ω	
V201	26K5	0Ω	850K	3Ω	4.5Ω	±3700Ω	0Ω	0Ω		
V202	5CG8	10K	±12.5K	0Ω	4.5Ω	3.5Ω	±2500Ω	±25K	0Ω	220K
V203	2DZ4	±6000Ω	5600Ω	5Ω	4.5Ω	.2Ω	5600Ω	±6000Ω		
ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9

* INFINITE READING TO GROUND.
† MEASURED FROM 250V SOURCE.
‡ MEASURED FROM TOP CAP OF V12.



UHF TUNER A804

TUBE PLACEMENT CHART



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 M1, M2, X1, X2

SWEEP FAILURE
No raster, has sound V10, V11, V12, V13
No vertical deflection V9
Poor vert. linearity or foldover V9
Poor horiz. linearity or foldover V10, V11, V12
Narrow picture V10, V11, V12, X1, X2
Vert. off freq. V9
Horiz. off freq. V10

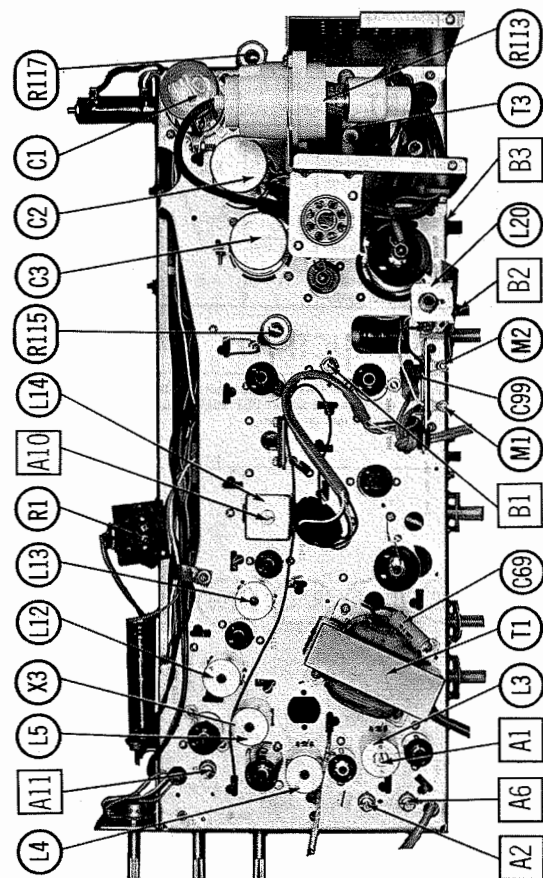
LOSS OF PICTURE OR SOUND
No pic, no sound, has raster V1, V2, V3, X3 (Video Det. Diode), V4
No pic, no sound, has snow V201, V202, V1
No pic, has sound, has raster V4, V14
Has pic, no sound V5, V6, V7

SYNC FAILURE
No vert. sync V8
No horiz. sync V8
No vert. or horiz. sync V8

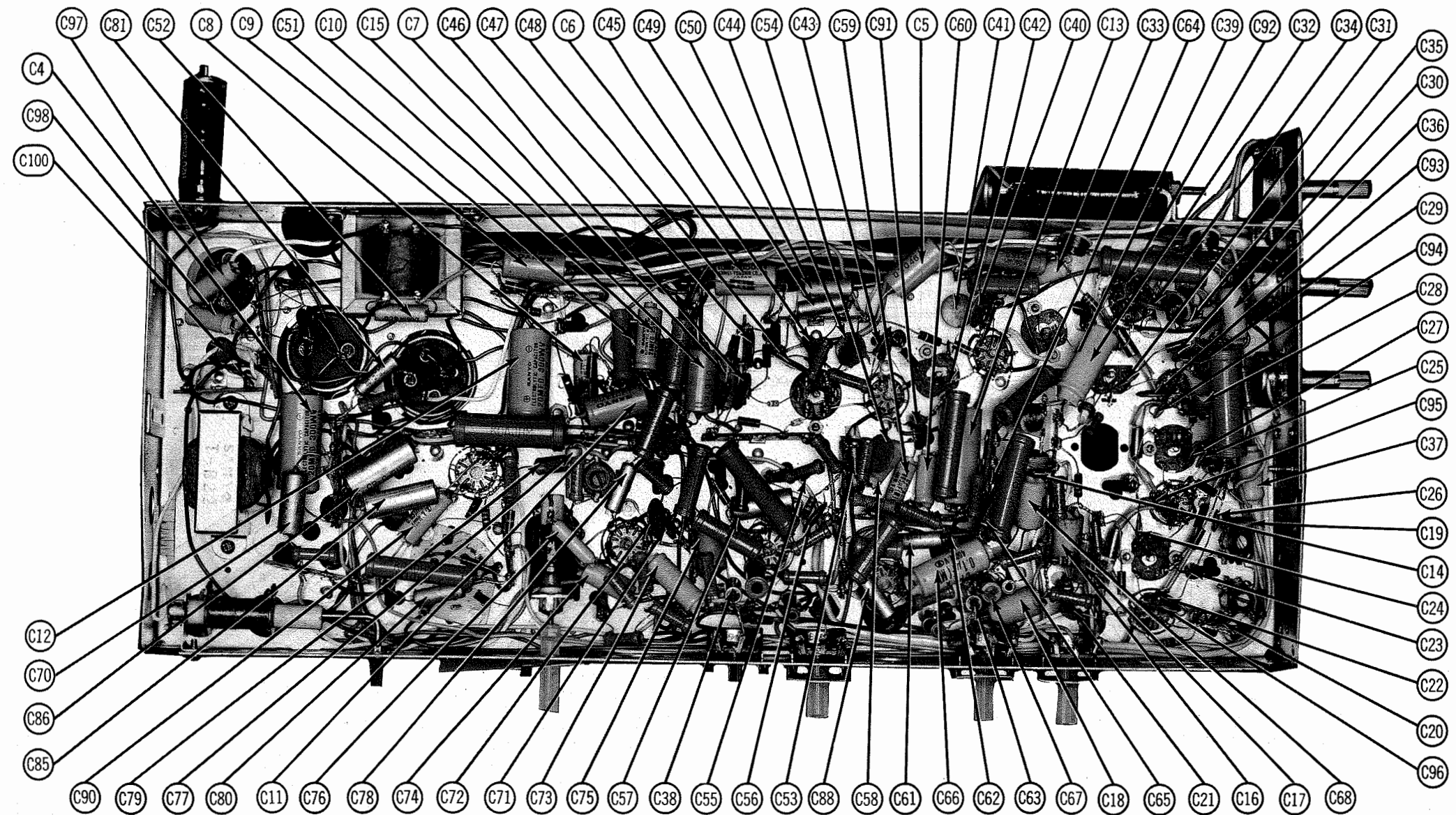
This receiver employs tubes used in a series filament network, an open filament in any tube will cause the set to be inoperative. (See circuit below.)

SET 782 FOLDER 2

FOLDER 2



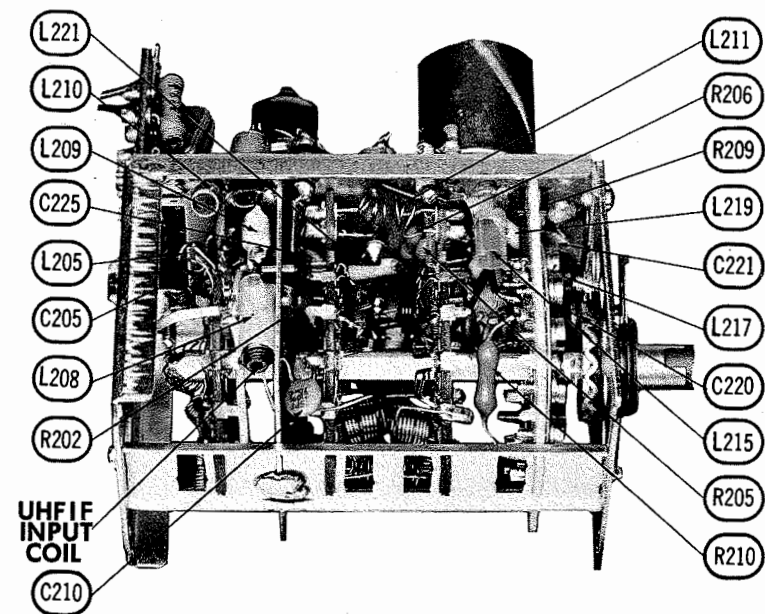
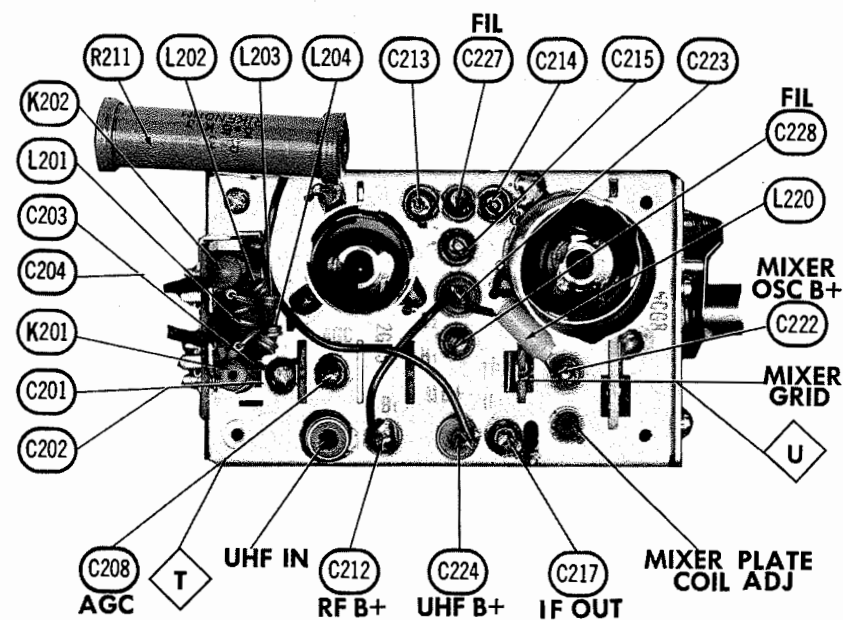
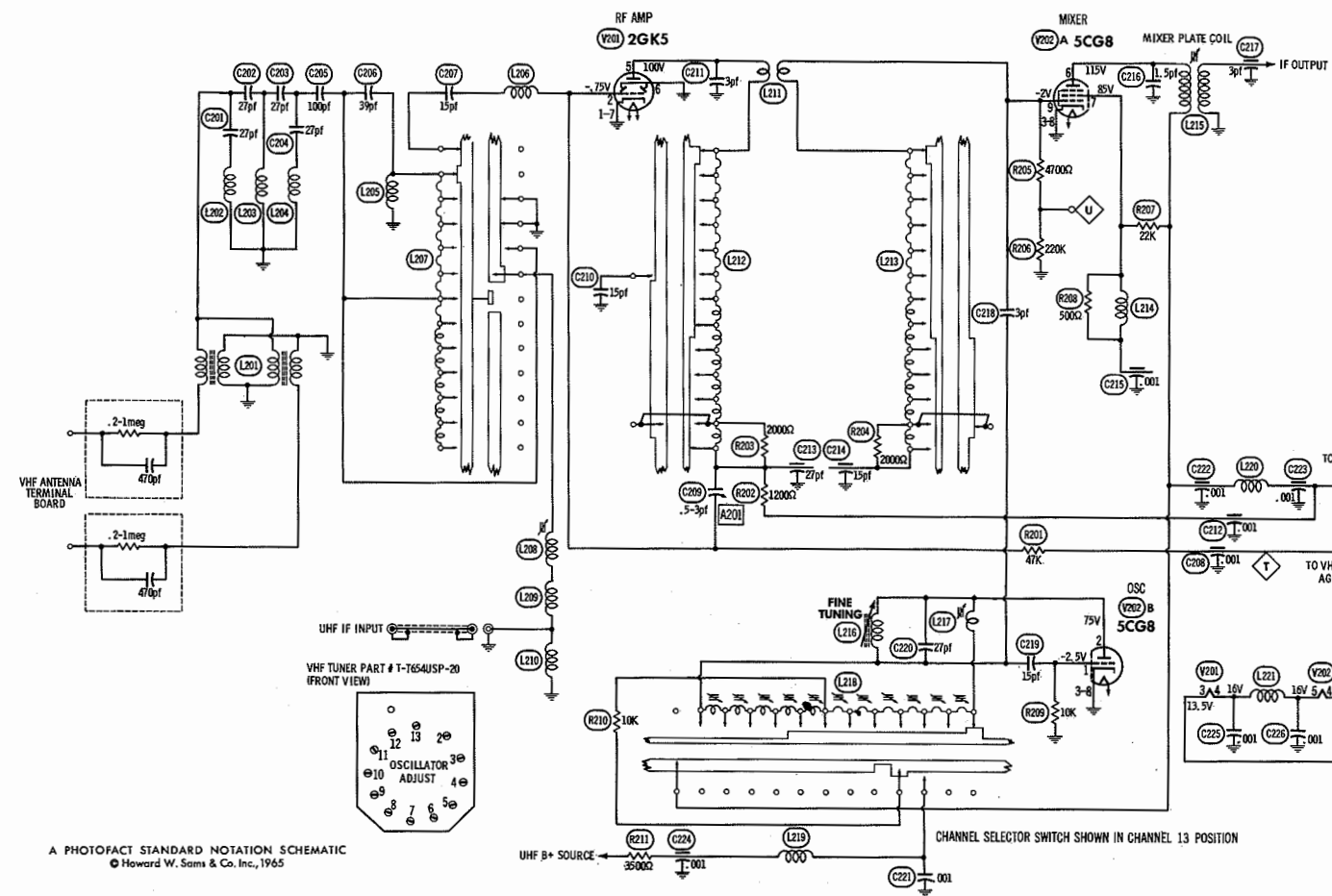
CHASSIS
TOP
VIEW



CHASSIS BOTTOM VIEW — CAPACITOR IDENT.

CHANNEL MASTER
MODEL 6572

FOLDER 2



VHF TUNER ALIGNMENT INSTRUCTIONS

OSCILLATOR ADJUSTMENTS

The individual oscillator slugs are accessible through a hole in the front of the tuner. Set the fine tuning to the center of its range. Starting with the highest channel in the area, adjust the appropriate oscillator slugs in descending order for best picture and sound.

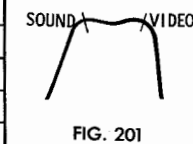
RF AND MIXER ALIGNMENT

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 ∇ . 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 120 Ω in each lead.	213MC	211.25MC 215.75MC	13	Vert. Input to Point ∇ , 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. "	185MC	183.25MC 187.75MC	10	Across Video Det. load resistor.	A201	Increase bias to -15 volts and adjust for MINIMUM amplitude of response.
3. "	See Chart	See Chart	12 thru 2	Vert. Input to Point ∇ , low side to ground.		Decrease bias. Check all Channels & make compromise adjustment, if necessary, by expanding or compressing appropriate coils.

CHANNEL & FREQUENCY CHART

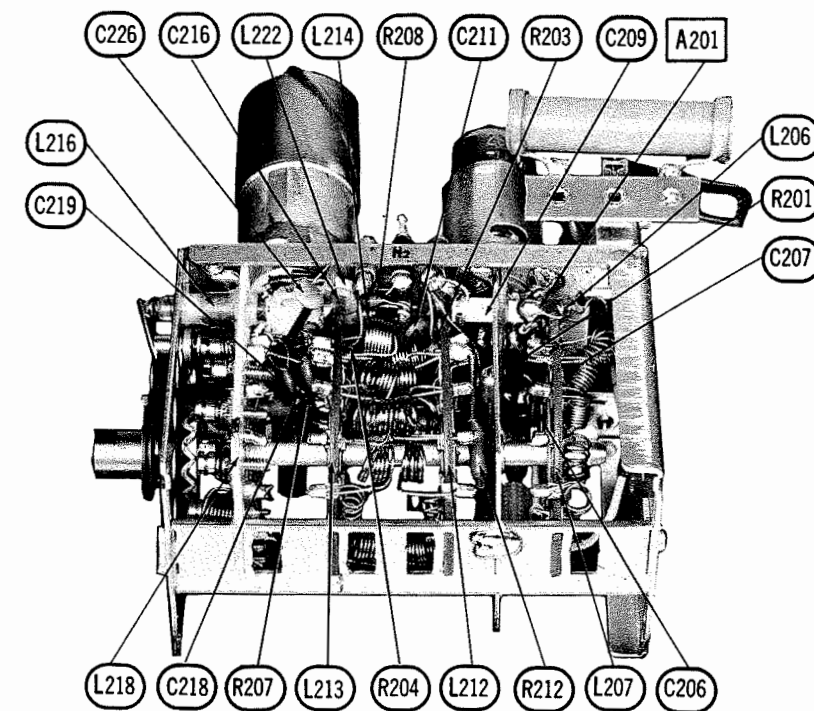
SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL
57MC	55.25MC 59.75MC	2	85MC	83.25MC 87.75MC	6	195MC	193.25MC 197.75MC	10
63MC	61.25MC 65.75MC	3	177MC	175.25MC 179.75MC	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
75MC	73.25MC 77.75MC	5	189MC	187.25MC 191.75MC	9	213MC	211.25MC 215.75MC	13



UHF TUNER ALIGNMENT INSTRUCTIONS

Tune UHF Channel Selector to the lowest UHF channel (low end of dial) operating in the area. Adjust UHF Low Channel Oscillator Trimmer for best picture and sound. Tune to the highest UHF channel (high end of dial) in the area and adjust UHF High Channel Oscillator Trimmer for best picture and sound. Repeat above steps until no further improvement can be made.

Tune to a UHF station and adjust UHF IF Input Coil for best picture and sound.



13 POSITION SWITCH-TYPE VHF TUNER A803

VHF TUNER PARTS LIST AND DESCRIPTION TUBES

ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V201	RF Amp.	2GK5	V202	Mixer - Osc.	5CG8

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.
C201	27	①	DI-27	DD-270	CCD-270	GP427	10TS-Q27	
C202	27	②	DI-27	DD-270	CCD-270	GP427	10TS-Q27	
C203	27		DI-27	DD-270	CCD-270	GP427	10TS-Q27	
C204	27		DI-27	DD-270	CCD-270	GP427	10TS-Q27	
C205	100 10%		DI-100	DD-101	CCD-101	GP310	10TS-T10	
C206	39		DI-39	DD-390	CCD-390	GP439	10TS-Q39	
C207	15		DI-15	DD-150	CCD-150	GP415	10TS-Q15	
C208	.001		EF-001	MFT-1000	CCF-102	CT280A		
C209	5-3			829-3	CV-1	CT555		
C210	15		DI-15	DD-150	CCD-150	GP415	10TS-Q15	
C211	3		DI-3,3	DD-3R3	CCTO-3R3	CNO533	10TCC-V30	
C212	.001		EF-001	MFT-1000	CCF-102	CT280A		
C213	27			DTZ-1R5				
C214	15							
C215	.001		EF-001	MFT-1000	CCF-102	CT280A		
C216	1.5		NPO-DI 1.5					10TCC-V15
C217	3							
C218	3 N330							10TCS-V30
C219	15 N470							10TCT-Q15
C220	2.7 N075							
C221	.001		BPD-001	DD-102	CCD-102	B210	5HK-D10	
C222	.001		EF-001	MFT-1000	CCF-102	CT280A		
C223	.001		EF-001	MFT-1000	CCF-102	CT280A		
C224	.001		EF-001	MFT-1000	CCF-102	CT280A		
C225	.001		BPD-001	DD-102	CCD-102	B210	5HK-D10	
C226	.001		BPD-001	DD-102	CCD-102	B210	5HK-D10	
C227	.001		EF-001	MFT-1000	CCF-102	CT280A		
C228	.001		EF-001	MFT-1000	CCF-102	CT280A		

① Dual Unit * Not normally in distributor's stock. Available thru distributor on order to manufacturer.

COILS (RF-IF)

ITEM No.	USE	Channel Master PART No.	NOTES	ITEM No.	USE	Channel Master PART No.	NOTES
L201	Balun			L212	RF Wafer		
L202	Ant. Input Net.			L213	Mixer Wafer		
L203	Ant. Input Net.			L214	Mixer Screen		
L204	Ant. Input Net.			L215	Mixer Plate		
L205	RF Choke			L216	Fine Tune		
L206	RF Choke			L217	Osc. Adjust		
L207	Ant. Wafer			L218	Osc. Wafer		
L208	UHF Input			L219	RF Choke		
L209	UHF Input			L220	RF Choke		
L210	UHF Input			L221	Fl. Choke		
L211	High Chan. Coupler			L222	Fl. Choke		

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	Channel Master PART No.	REPLACEMENT DATA
K201	Antenna Isolation	.2-1meg, 470pf		Centralab RC-471
K202	Antenna Isolation	.2-1meg, 470pf		Sprague AC1-1

UHF TUNER PARTS LIST AND DESCRIPTION TUBES

ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V301	UHF Osc.	2DZ4			

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS				DIODES
			GENERAL ELECTRIC PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.	GENERAL ELECTRIC PART No.
X301		SD82					1N82A

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.
C301	33		NPO-DI 33	DTZ-33	CS801CG830K	CCD-330	GP433	10TS-Q33
C302	1.5 ± .25pf			TCZ-1R5			CNO515	10TCC-V15
C303	.5 ± .25pf			TCZ-R5				
C304	.5 N1400			TCZ-R5				
C305	1-5			829-6		CV-3	CT552	
C306	137							
C307	.001		EF-001	MFT-1000	CCF-102	CT280A		
C308	.001		EF-001	MFT-1000	CCF-102	CT280A		
C309	.001		EF-001	MFT-1000	CCF-102	CT280A		
C310	.002		BPD-002	DD-202	CCD-202	B220	5HK-D20	

COILS (RF-IF)

ITEM No.	USE	Channel Master PART No.	NOTES	ITEM No.	USE	Channel Master PART No.	NOTES
L301	Antenna			L304	Fl. Choke		
L302	Mixer Output			L305	Fl. Choke		
L303	RF Choke						

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 A11 GENERAL CEMENT: 5003, 8198, 8273 WALSCO: 2517, 2519, 2525
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 Ⓢ) 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 Ⓢ. Common to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. Low side to ground.		41.25MC 47.25MC	A1 A2	Adjust for MINIMUM.
2. Connect vertical input of a scope to point Ⓢ. Low side to ground.	Connect high side to Pin 1 (Grid) of V2. Low side to ground.		42.75MC 45.75MC	A3, A4	Adjust for maximum amplitude and MINIMUM tilt with markers as shown in Fig. A.
3. Connect vertical input of a scope to point Ⓢ. Low side to ground.	Connect high side to pin 1 (grid) of V1. Low side to ground.	44MC (10MC Sweep)	42.75MC 45.75MC	A5	Adjust for maximum amplitude and MINIMUM tilt with markers as shown in Fig. B.
4. Connect vertical input of a scope to point Ⓢ. Low side to ground.	Connect high side to ungrounded tube shield over Mixer-Osc. Low side to ground.	44MC (10MC Sweep)	41.25MC 42.75MC 44.25MC 45.75MC 47.25MC	A6 & Plate Coil	Adjust for maximum gain and symmetry of response with markers as shown in Fig. C. In order to obtain a proper response, it may be necessary to slightly retouch A3, A4, & A5.

SOUND IF ALIGNMENT

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
5.	High side to point Ⓢ. Low side to ground.	4.5MC (Unmod)	Any non-interfering Channel	DC Probe to point Ⓢ, low side to ground.	A7, A8 A9	Adjust for maximum.
6.	"	"	"	DC Probe to point Ⓢ, low side to ground.	A10	Adjust for zero. A positive or negative reading will be obtained on either side of the correct setting.

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 11 for MINIMUM beat interference.

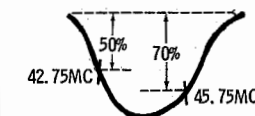


Fig. A

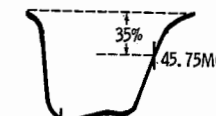


Fig. B

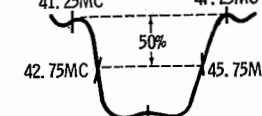
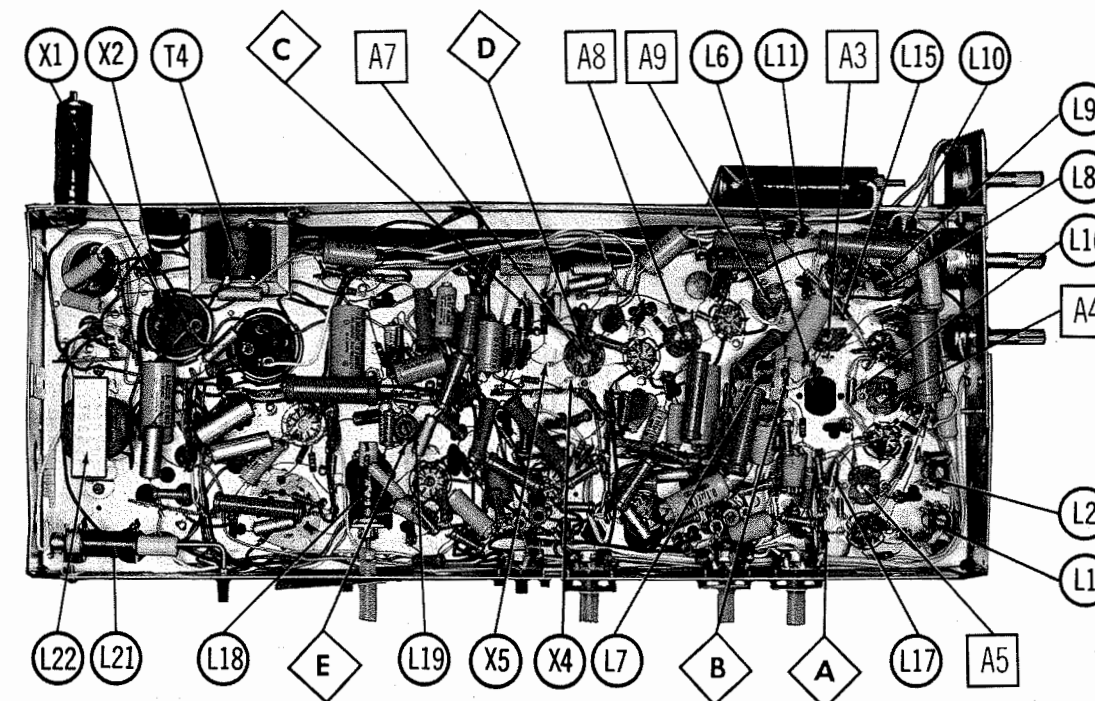


Fig. C

CHASSIS BOTTOM VIEW



SET 782 FOLDER 2

CHANNEL MASTER
MODEL 6572

FOLDER 2

WIRING DATA

High Voltage Lead	Use BELDEN No. 8889 (17KV) or 8888 (25KV)
Shielded Hook-up Wire	Use BELDEN No. 8888 (Single Conductor)
General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) 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
	8488 (Round) - 8 Conductor

TUBES

ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	1st Video IF Amp.	3CB6	V8	Sync Sep. - Sync Amp.	12BH7A
V2	2nd Video IF Amp.	3CB6	V9	Vert. Mult. - Vert. Output	10EW7
V3	3rd Video IF Amp.	3DK6	V10	Horiz. Oscillator	12BH7A
V4	Video Amp.	12BY7A	V11	Horiz. Output	12DQ6B
V5	Sound IF Amp.	3AU6	V12	Damper	#D165(12RK19)
V6	Limiter	3CB6	V13	HV Rectifier	#D187(12K23)
V7	AF Amp. - Output	#D166(8B8)			

#Channel Master Part Number.

PICTURE TUBE

ITEM No.	REPLACEMENT DATA				NOTES
	PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	SYLVANIA PART No.	
V14	19XP4	19AVP4 ① 19XP4 ①	19AVP4	19XP4 ② 19AVP4 ②	①Aluminized ②Silver Screen 85

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS				DIODES
			GENERAL ELECTRIC PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.	GENERAL ELECTRIC PART No.
X1	.320A		GE-504 or 1N1895	1N2070 or 1N2094 ①	1N1764 or 1N2862	40H or F-4	
X2	.320A		GE-504 or 1N1895	1N2070 or 1N2094 ①	1N1764 or 1N2862	40H or F-4	
X3							1N60
X4							1N60
X5							1N60

① A dual unit (V8000) may be used for X1 and X2.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	PART No.	AEROVOX PART No.	CORNELL- DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	200	200		AFH81-31-85	AA0357 ①	XC1-21 ①	TMS-1490 ①	WP132 ①	TVL-1475
C2	150	350		AFH11-43-20	AA0415	XC1-18	TMS-1830	FP140. 8A	TVL-1642
C3A	60	350							
B	60	350							
	40	350							
C4	20	300		PRS1735	BR20-350	QTI-9	TD-20-350	TC65	TVA-1808
C5	3	300		PRS1600	BR4-350	QTI-2	TD-4-450	TC697	TVA-1801
C6	10	150		PRS1410	BBR10-150	QTI-5	TD-10-150	TC42	TVA-1406
C7	10	50		CRE757A	NLW10-50	MTI-6	MLV10-50	TT50X10	TE-1304
C8	25	25		CRE612A	NLW25-25	MTI-11	MLV25-25	TT25X25	TL-1207
C9	3	300		PRS1800	BR4-350	QTI-2	TD-4-450	TC697	TVA-1801
C10	25	25		PTT82	NLW25-25	MTI-11	MLV25-25	TT25X25	TL-1207
C11	3	300		PRS1600	BR4-350	QTI-2	TD-4-450	TC697	TVA-1801
C12	20	350		PRS1735	BR20-350	QTI-9	TD-20-350	TC65	TVA-1808
C13	100	50		PRS1360	BR100-50	QTI-23	TD-100-50	TC3501	TVA-1310
C14	5	500		PRS1800	BR4-350				TVAS-1901
C15	3	300		PRS1600	BR4-350	QTI-2	TD-4-450	TC897	TVA-1801

* Not normally in distributor's stock. Available thru distributor on order to manufacturer. ① Use insulating sleeve.

FIXED 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.
C16	.5	150V	P288N-5		PM2P5	2DP-5-504	PVC205	2TM-P50
C17	.02	400V 10%	BE452		DPMS4S2	4DP-2-203	PVC412	4TM-S20
C18	.5	150V	P288N-5		PM2P5	2DP-5-504	PVC205	2TM-P50
C19	30	N220 10%						10TCR-Q30
C20	50	10%						10TS-Q50
C21	.002		DI-50	DD500	LA10Q5-S3	CCD-500	GP450	5HK-D20
C22	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C23	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C24	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C25	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C26	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C27	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C28	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C29	.005		BPD-005	DD-502	BYA10D5	CCD-502	B250	5HK-D50
C30	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C31	.005		BPD-005	DD-502	BYA10D5	CCD-502	B250	5HK-D50
C32	.1	400V	P488N-1	DF-104	PM4P1	4DP-3-104	GEM410	4TM-P10
C33	.01	400V	P488N-01	CPR-10000J	PM4S1	4DP-1-103	PVC411	4TM-S10
C34	.005		BPD-005	DD-502	BYA10D5	CCD-502	B250	5HK-D50
C35	50	N220 10%						10TCR-Q30
C36	.2	150V	P288N-2		PM2P2	2DP-5-204	PVC602	4TM-P20
C37	.02	400V	P488N-02	DD-403	DPMS4S2	4DP-2-203	PVC412	4TM-S20
C38	.05	400V	P488N-05	DF-503	PM4S5	4DP-3-503	GEM415	4TM-S50
C39	5pF	±1pF	DI-5	DD-500	LA10V5-SL	CCD-500	GP550	10TS-V50
C40	.005		BPD-005	DD-502	BYA10D5	CCD-502	B250	5HK-D50
C41	.005		BPD-005	DD-502	BYA10D5	CCD-502	B250	5HK-D50
C42	50	10%	DI-50	DD-500	LA10Q5-S3	CCD-500	GP450	10TS-Q50
C43	.005		BPD-005	DD-502	BYA10D5	CCD-502	B250	5HK-D50
C44	.005		BPD-005	DD-502	BYA10D5	CCD-502	B250	5HK-D50
C45	.005		BPD-005	DD-502	BYA10D5	CCD-502	B250	5HK-D50
C46	300	10%	DI-300	DD-301	LA10T3-C4	CCD-301	GP330	10TS-T30
C47	300	10%	DI-300	DD-301	LA10T3-C4	CCD-301	GP330	10TS-T30
C48	300	10%	DI-300	DD-301	LA10T3-C4	CCD-301	GP330	10TS-T30
C49	.001	600V 10%	BE6D1	DD-203	DPMS4S2	4DP-1-103	PVC621	6TM-D10
C50	.02	400V	P488N-02	DD-203	DPMS4S2	4DP-2-203	PVC412	4TM-S20
C51	.05	400V	P488N-05	DF-503	PM4S5	4DP-3-503	GEM415	4TM-S50
C52	.005	600V	P688N-005	DD-502	PM6D5	6DP-1-502	PVC625	6TM-D50
C53	.01	400V	P488N-01	CPR-10000J	PM4S1	4DP-1-103	PVC411	4TM-S10
C54	300	10%	DI-300	DD-301	LA10T3-C4	CCD-301	GP330	10TS-T30
C55	.1	10%	DI-10	DD-100	LA10Q1-SL	CCD-100	GP410	10TS-Q10
C56	300	10%	DI-300	DD-300	LA10T3-C4	CCD-301	GP330	10TS-T30
C57	.05	600V	P688N-05	DF-503	PM6S5	6DP-3-503	PVC615	6TM-S50

PARTS LIST 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.

FIXED 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.
C58	.002	400V	P488N-002	CPR-2000J	DPMS8D2	8DP-1-202	PVC622	8TM-D20
C59	.005	400V	P488N-.005	CPR-5000J	PM6D5	8DP-1-502	PVC625	8TM-D50
C60	.002	400V	P488N-002	CPR-2000J	DPMS8D2	8DP-1-202	PVC622	8TM-D20
C61	.01	400V	P488N-01	CPR-10000J	PM4S1	4DP-1-103	PVC411	4TM-S10
C62	300	10%	DI-300	DD-301	LA10T3-C4	CCD-301	GP330	10TS-T30
C63	.002	600V 10%	BE6D2		DPMS8D2	8DP-1-202	PVC622	8TM-D20
C64	.002	600V 10%	P488N-002	CPR-2000J	DPMS8D2	8DP-1-202	PVC622	8TM-D20
C65	.033	600V 5%						
C66	.1	400V	P488N-1	DF-104	PM4P1	4DP-3-104	GEM401	4TM-P10
C67	.005	400V	P488N-005	CPR-5000J	PM6D5	8DP-1-502	PVC625	8TM-D50
C68	.5	150V	P288N-5		PM2P5	2DP-5-504	PVC205	2TM-P50
C69	.05	400V	P488N-05	DF-503	PM4S5	4DP-3-503	GEM415	4TM-S50
C70	.05	600V	P688N-05	DF-503	PM6S5	6DP-3-503	PVC615	6TM-S50
C71	50		DI-50	DD-500	LA10Q5-S3	CCD-500	GP450	10TS-Q50
C72	300	10%	DI-300	DD-301	LA10T3-C4	CCD-301	GP330	10TS-T30
C73	.05	400V	P488N-05	DF-503	PM4S5	4DP-3-503	GEM415	4TM-S50
C74	.02	400V	P488N-02	DD-203	DPMS4S2	4DP-2-203	PVC412	4TM-S20
C75	.5	150V	P288N-5		PM2P5	2DP-5-504	PVC205	2TM-P50
C76	.445	500V 5%						
C77	.01	400V 10%	BE4S1	CPR-10000J	PM4S1	4DP-1-103	PVC411	4TM-S10
C78	.001	600V 10%	BE6D1		PM6D1	6DP-1-102	PVC621	6TM-D10
C79	.001	600V 10%	BE6D1		PM6D1	6DP-1-102	PVC621	6TM-D10
C80	.02	400V 10%	BE4S2		DPMS4S2	4DP-2-203	PVC412	4TM-S20
C81	.005	600V	P688N-005	DD-502	PM6D5	6DP-1-502	PVC625	6TM-D50
C82	100	1KV 10%	DI-100	DD-101	LA10T1-S3	CCD-101	GP310	10TS-T10
C83	80	3KV 10%					3DY482	
C84	125	3KV 10%					3DY312	
C85	.068	600V 10%	BE6S68		PM6S68	6DP-4-683	PVC6168	6TM-S68
C86	.1	600V 10%	BE6P1		PM6P1	6DP-4-104	PVC601	6TM-P10
C87	.033	600V 10%	BE6S33		PM6S33	6DP-3-333	PVC6133	6TM-S33
C88	.01	600V 10%	BE6S1		PM6S1	6DP-2-103	PVC611	6TM-S10
C89	50	3KV 10%					3DY447	30TCY-Q50
C90	.05	400V	P488N-05	DF-503	PM4S5	4DP-3-503	GEM415	4TM-S50
C91	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C92	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C93	.005		BPD-005	DD-502	BYA10D5	CCD-502	B250	5HK-D50
C94	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C95	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20
C96	.005		BPD-005	DD-502	BYA10D5	CCD-502	B250	5HK-D50
C97	.01	400V	P488N-01	CPR-10000J	PM4S1	4DP-1-103	PVC411	4TM-S10
C98	.01	400V	P488N-01	CPR-10000J	PM4S1	4DP-1-103	PVC411	4TM-S10
C99	.05	400V	P488N-05	DF-503	PM4S5	4DP-3-503	GEM415	4TM-S50
C100	.002		BPD-002	DD-202	BYA10D2	CCD-202	B220	5HK-D20

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

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			Channel Master PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume, Switch	500K		F2-500K ①, SPUS04, KR-8 or (BPL-60 ①)	C475-500K-Z ①, RS-2 ②	B13-133 ① SK7 or (PPQ13-133 ①, SK7) or (BU1 ①) CF25, SS1, K)* B17-108 ① SK1 or (BU1 ①) CF50, SS1, DC1)*	PP55A ① or (RUP55A ①, SL250)
R2	Contrast	500Ω		F5-500 ①, SSK108 or (B-415 ①)			UA52R ①, SL3500 or (U52R ①)
R3	Brightness	500K		F1-500K ①, SSK108 or (B-59 ①)	A47-500K-S ①, KSS-3		RU55L, SL36, SL3250 or (UA55L ①, SL36 or (U50 ①)
R4	Vert. Hold	1meg		F1-1meg ①, SSK108 or (B-69 ①)	A47-1meg-S ①, KSS-3	QU-137 ① or (BU1 ①) CF17, SS1, DC1)*	RU16L, SL36, SL3250 or (UA16L ①) SL3500 or (U64 ①)
R5	Vert. Linearity	1.5meg		TT-742 or (F1-L 5meg, SNK010)	B47-1.5meg-S	BL-138, TM4 or (BU1, CF18, SS6)	TA155L or (RU155L, SL37, SN1000) or (UA155L, SN1000)
R6	Height	1.5meg		TT-742 or (F1-L 5meg, SNK010)	B47-1.5meg-S	BL-138, TM4 or (BU1, CF18, SS6)*	TA155L or (RU155L, SL37, SN1000) or (UA155L, SN1000)
R7	AGC	1.5meg		TT-742 or (F1-L 5meg, SNK010)	B47-1.5meg-S	BL-138, TM4 or (BU1, CF18, SS6)*	TA155L or (RU155L, SL37, SN1000) or (UA155L, SN1000)
R8	Focus	5meg		TT-87 or (F1-5meg, SNK010)	B47-5meg-S	HLC5	PTA56L or (RU56L, SL37, SN1000) or (UA56L, SN1000)