



## CABINET-REAR VIEW

### HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

#### HORIZONTAL FREQUENCY ADJUSTMENT

1. Turn the horizontal range trimmer (B3) fully clockwise.
2. Tune in a station and adjust the horizontal hold control until the picture synchronizes horizontally. If the picture cannot be synchronized with the horizontal hold control, set it to the center of its range and adjust the horizontal frequency slug (B1) until the picture synchronizes horizontally.
3. If step 2 is not successful, turn the horizontal waveform slug (B2) several turns clockwise from the rear. Readjust B1 until the picture synchronizes horizontally.

#### HORIZONTAL WAVEFORM ADJUSTMENT

Connect the vertical amplifier of an oscilloscope thru a low capacity probe to terminal "C" of L17. If necessary, adjust the horizontal waveform slug (B2) for a waveform similar to Fig. 2 with the sharp peak approximately 10% higher in amplitude than the rounded peak. Keep the picture in sync during this adjustment with the horizontal

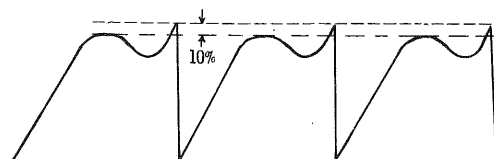


FIG. 2

hold control or B1. Remove the scope connection.

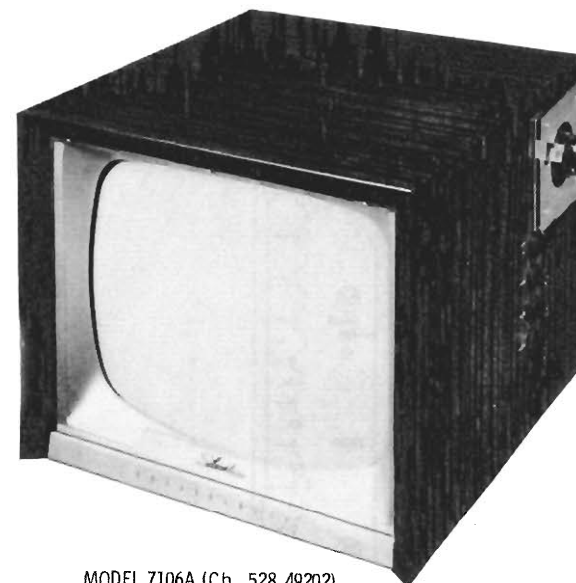
#### HORIZONTAL RANGE TRIMMER ADJUSTMENT

1. Turn the horizontal hold control fully counter clockwise. Turn the horizontal range trimmer (B3) fully clockwise, then back 1/4 turn counter clockwise. Turn B1 counter clockwise until the picture is displaced to the right. Turn B1 clockwise until the picture just locks in sync.
2. Set the horizontal hold control fully clockwise. Momentarily switch off channel and back again; the picture should lose sync. Turn the horizontal hold control slowly counter clockwise and note the number of diagonal bars present just before the picture falls into sync. If less than two diagonal bars are visible, turn B3 SLIGHTLY counter clockwise. If more than three diagonal bars are visible, turn B3 SLIGHTLY clockwise. Repeat steps 1 and 2, if necessary.
3. Normal position of the range trimmer (B3) is 1/4 turn from full clockwise.

## DISASSEMBLY INSTRUCTIONS

### CABINET REMOVAL

1. Remove 6 push-on type knobs from the side.
2. Loosen 8 metal screws and remove the rear cover.
3. Remove 2 metal screws and the antenna terminal board.
4. Remove 2 speaker leads.
5. Remove 6 cabinet bolts from the bottom.
6. Remove the cabinet.
7. Remove 4 speaker nuts and the speaker.



MODEL 7106A (Ch. 528.49202)

TRADE NAME	Silvertone	MODELS	CHASSIS
		7106A, 7108A .....	528.49200
		7106A, 7108A .....	528.49201
		7106A .....	528.49202
		7107A .....	528.49210
		7107A .....	528.49211
SUPPLIER	Sears, Roebuck & Co., 925 S. Homan Ave., Chicago, Illinois		
TYPE SET	Television Receiver		
TUBES	Sixteen		
POWER SUPPLY	110-120 Volts AC, 60 Cycle		
TUNING RANGE	Channels 2 thru 13 VHF, 14 thru 83 UHF, Video IF 45.75MC, Sound IF 41.25MC (Intercarrier)		
		RATING	140 Watts, 1.2 Amp. @ 117 Volts AC

## SERVICING IN THE FIELD

### TUNER OSCILLATOR ADJUSTMENTS

Touch-up adjustment of the VHF oscillator is possible by removing the channel selector and fine tuning knobs. Remove 4 metal screws and the escutcheon. Set the fine tuning at the center of its range. One slug for HIGH band adjustment is located at 8 o'clock, and should be adjusted first. The LOW band adjustment is located at 12 o'clock. Adjust for best picture and sound.

### PICTURE TUBE SAFETY GLASS CLEANING

Remove 3 metal screws and the trim strip at the top. Tilt safety glass out and lift up to remove.

### SPECIAL ADJUSTMENTS

#### A. AGC

Observe the picture and advance the AGC control to a point where the picture distorts or a buzz is heard in the sound. Back off from this setting until the picture becomes stable with no noise in the sound.

#### B. Focus

The focus may be varied in steps by the position of a plug in the focus adjustment socket. Readjust the ion trap for the best focus consistent with maximum brightness.

#### C. Width

The width may be varied by means of a metallic sleeve

located between the yoke and the picture tube neck. Adjust sleeve in or out of the yoke for a picture SLIGHTLY larger than necessary to fill the screen.

### HORIZONTAL OSCILLATOR FIELD ADJUSTMENT

For adjustment of the horizontal oscillator, it is necessary to remove the rear cover and supply power to set. Set the horizontal hold at the center of its range and adjust the horizontal frequency slug (B1) until the picture synchronizes horizontally. (For location, see tube placement chart).

### SOUND IF DETECTOR BUZZ ADJUSTMENT

To eliminate sound IF detector buzz, adjust the ratio detector secondary (A11) located on top of chassis.

### FUSE DEVICE

A circuit breaker is used for LV power supply protection and may be reset by depressing the reset button. (For location, see tube placement chart).

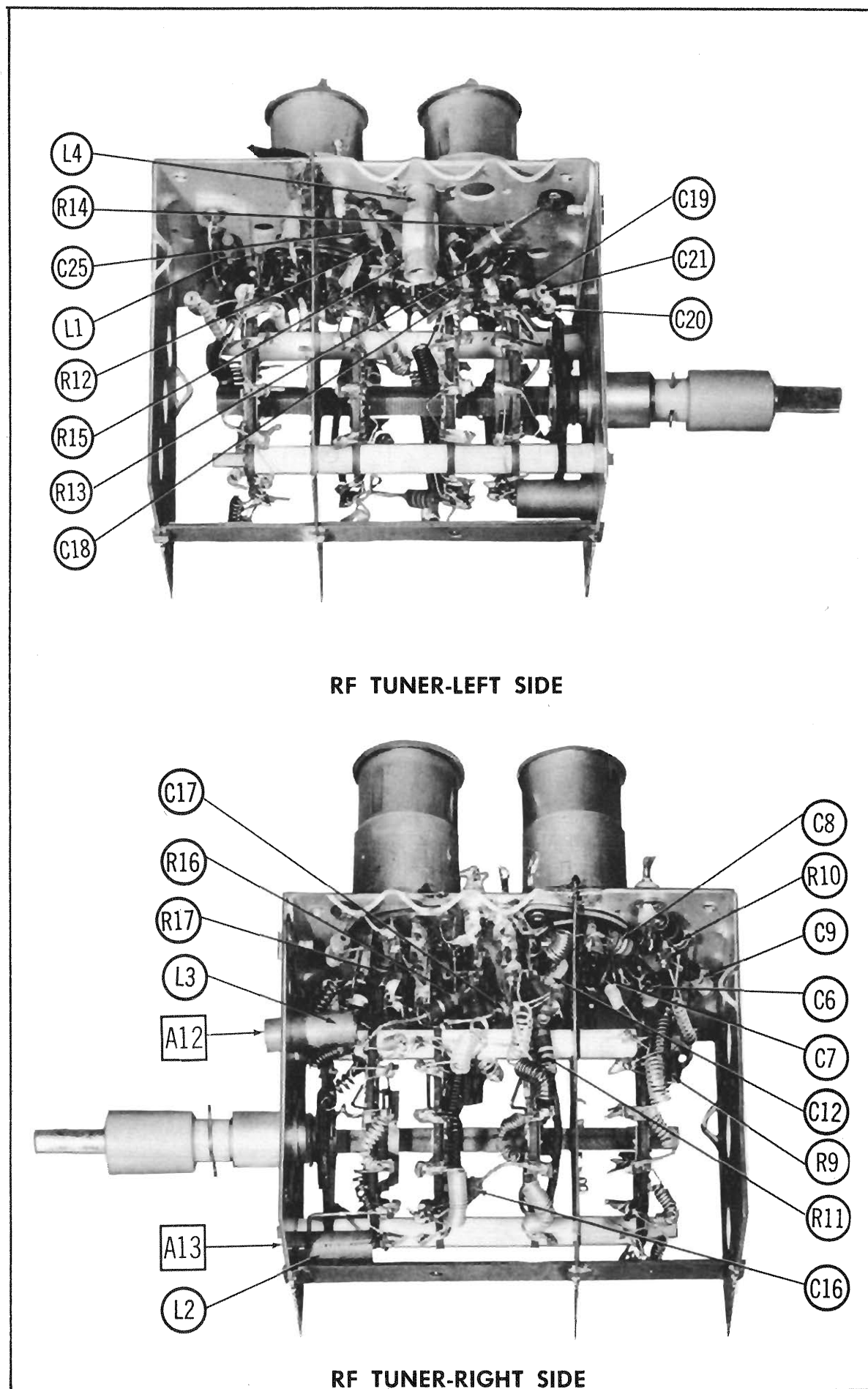
### CENTERING

Centering is accomplished mechanically by adjusting two magnetic rings around the neck of the picture tube. Rotate the two rings around the neck of the tube until the picture is properly centered.

**HOWARD W. SAMS & CO., INC. • Indianapolis 5, Indiana**

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FOLDER 5



## CABINET-REAR VIEW

### HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

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hold control or B1. Remove the scope connection.

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3. Normal position of the range trimmer (B3) is 1/4 turn from full clockwise.

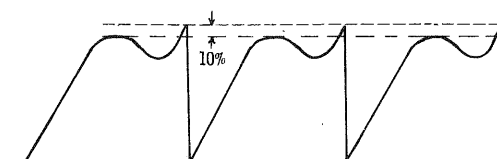


FIG. 2

#### CABINET REM

1. Remove 6 p
2. Loosen 8 m
3. Remove 2 n  
board.
4. Remove 2 s
5. Remove 6 c
6. Remove the
7. Remove 4 s

#### TRADE NAME

SUPPLIER  
TYPE SET  
TUBES  
POWER SUPPL  
TUNING RANG

#### TUNER OSCIL

Touch-up adju  
removing the  
4 metal screw  
the center of 1  
is located at 8  
LOW band adju  
best picture a

#### PICTURE TUI

Remove 3 met  
safety glass o

#### SPECIAL ADJ

#### A. AGC

Observe the p  
where the pict  
Back off from  
with no noise

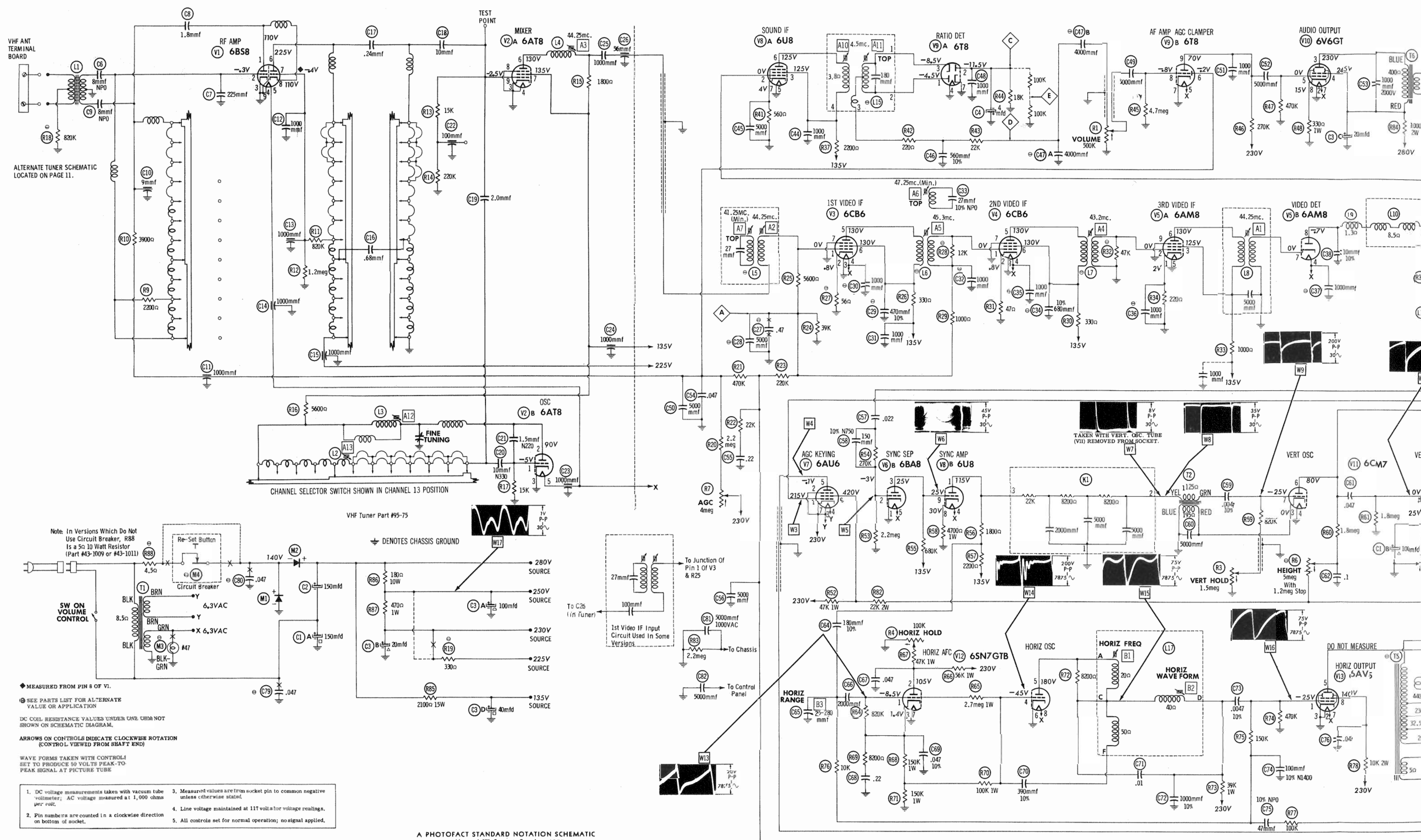
#### B. Focus

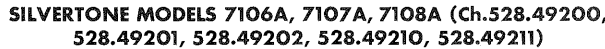
The focus may  
in the focus at  
the best focus

#### C. Width

The width may

The listing of  
not constitute  
guaranty by How  
and suitability c  
these parts have  
to Howard W. S  
H183





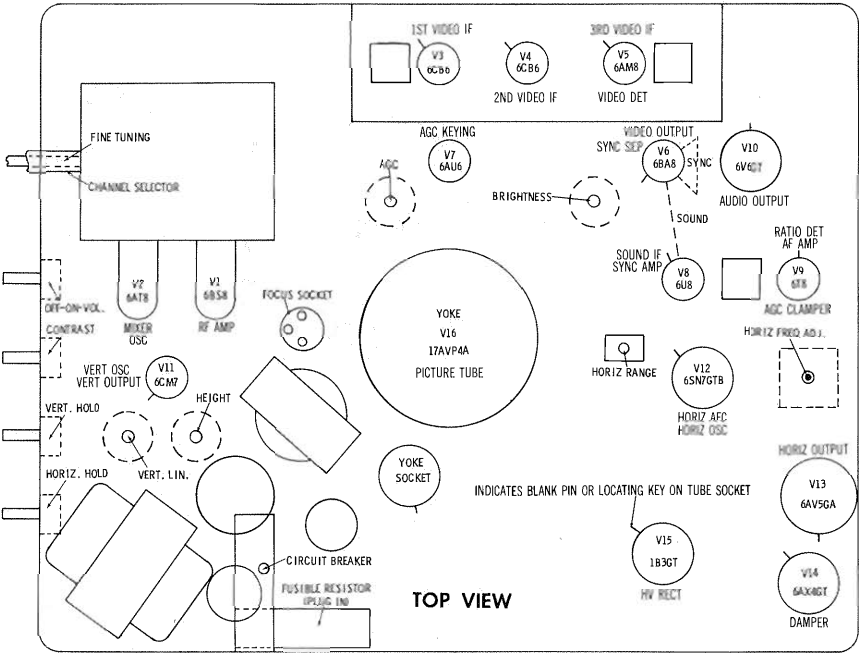


RESISTANCE MEASUREMENTS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6BS8	1NF	650K	0Ω	0Ω	.1Ω	†980Ω	480K	1NF	0Ω
V2	6AT8	15K	†5900Ω	0Ω	0Ω	.1Ω	†3900Ω	†2100Ω	0Ω	235K
V3	6CB6	45K	56Ω	0Ω	.1Ω	†2400Ω	†2400Ω	0Ω		
V4	6CB6	40K	47Ω	0Ω	.1Ω	†2400Ω	†2400Ω	0Ω		
V5	6AM8	220Ω	.1Ω	†3100Ω	.1Ω	0Ω	†3100Ω	.1Ω	4700Ω	0Ω
V6	6BA8	0Ω	2.2Meg	†680K	0Ω	.1Ω	• 200Ω	4700Ω	†2100Ω	†5000Ω
V7	6AU6	†1800Ω	†650Ω	†650Ω	†650Ω	260K	†47K	†650Ω		
V8	6U8	†6100Ω	3.5Ω	†4300Ω	.1Ω	0Ω	†4300Ω	560Ω	4700Ω	†680K
V9	6T8	1NF	18K	1NF	0Ω	.1Ω	650K	0Ω	4.7Meg	†270K
V10	6V6GT	NC	0Ω	†1400Ω	†1000Ω	470K	TP	.1Ω	330Ω	
V11	6CM7	†1700Ω	NC	200Ω	0Ω	.1Ω	• †5Meg	• 1.4Meg	1.8Meg	• 2300Ω
V12	6SN7GTB	850K	†30K	290K	240K	†37K	0Ω	0Ω	.1Ω	
V13	6AV5	470K	0Ω	0Ω	NC	†23Ω	NC	.1Ω	†10K	
V14	6AX4GT	NC	NC	†	TP	†180Ω	NC	.1Ω	0Ω	
V15	1B3GT	PINS 1 THRU 8 HAVE INFINITE RESISTANCE								TOP CAP †463Ω
V16	17AVP4A	0Ω	29K	PIN 6 †32Ω	PIN 10 †32Ω	PIN 11 • 250K	PIN 12 .1Ω			

† MEASURED FROM OUTPUT OF M2.  
† MEASURED FROM PIN 3 OF V14.  
• THIS READING WILL VARY. CONTROL SET FOR NORMAL OPERATION.  
• THIS READING CAN VARY GREATLY, (10K MINIMUM), DUE TO THE CONDITION OF THE ELECTROLYTIC CAPACITOR CONNECTED IN THE ASSOCIATED CIRCUIT.  
NC NO CONNECTION.  
TP TIE POINT.

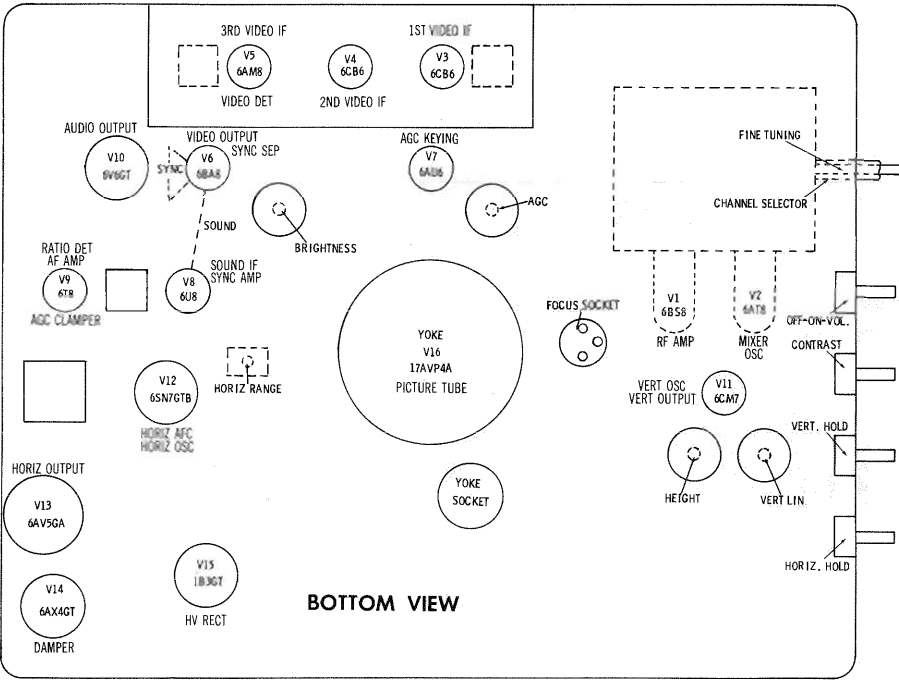
TUBE PLACEMENT CHART



SILVERTONE MODELS 7106A, 7107A, 7108A (Ch.528.49200, 528.49201, 528.49202, 528.49210, 528.49211)

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TUBE PLACEMENT CHART



TUBE FAILURE CHECK CHART

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

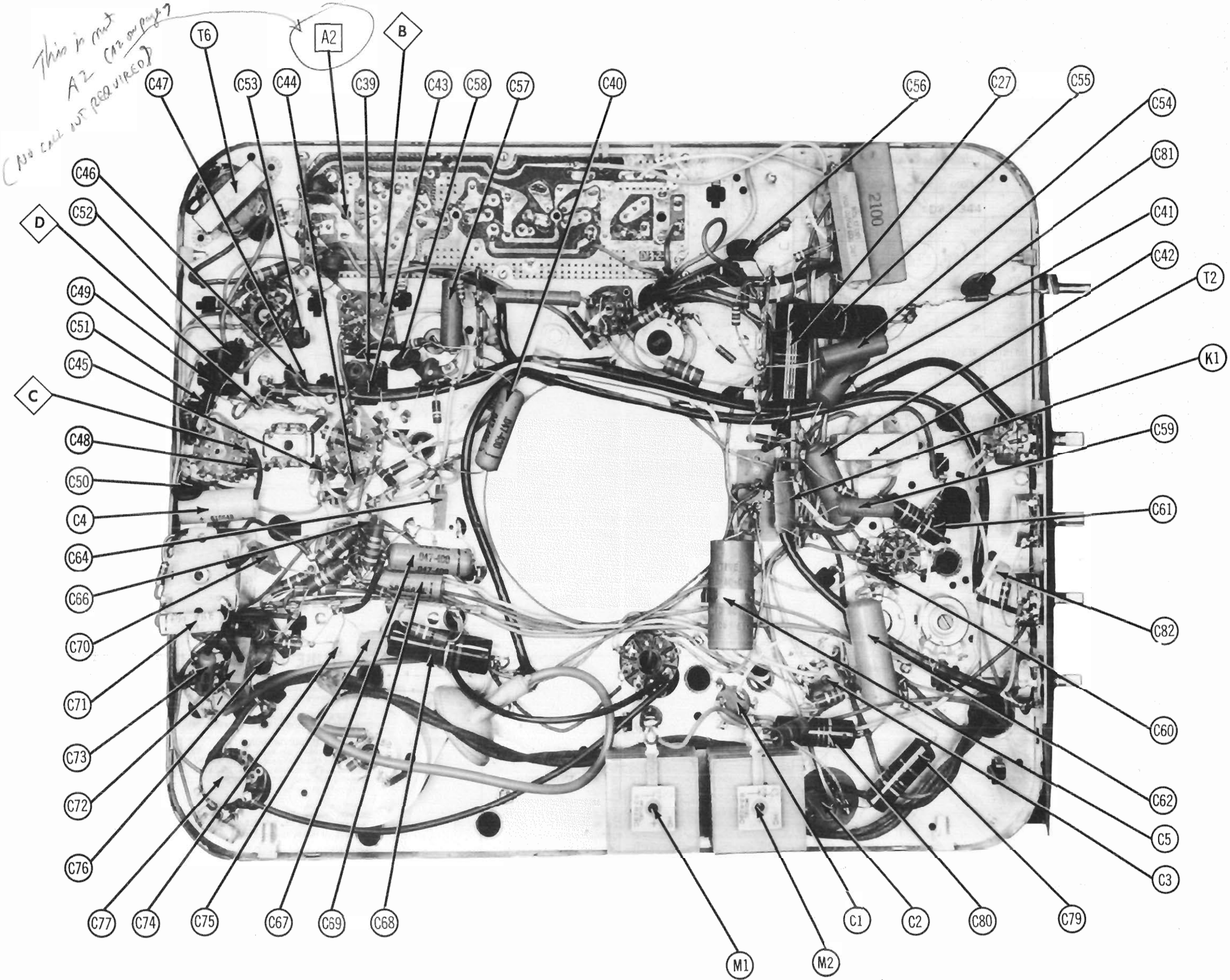
**POWER SUPPLY FAILURE**  
No raster, no sound - Circuit Breaker (M4), Rectifiers (M1, M2)

**LOSS OF PICTURE OR SOUND**  
No pic, no sound, has raster - V3, V4, V5, V6  
No pic, no sound, has snow - V1, V2, V3  
No pic, has sound, has raster - V6, V16  
Has pic, no sound - V8, V9, V10  
Overloaded picture - V7

**SYNC FAILURE**  
No vert. sync - V6, V8  
No horiz. sync - V6, V8, V12  
No vert. or horiz. sync - V6, V8

**SWEEP FAILURE**  
No raster, has sound - V12, V13, V14, V15, V16  
No vertical deflection - V11  
Poor vert. linearity or foldover - V11  
Poor horiz. linearity or foldover - V12, V13, V14  
Narrow picture - V12, V13, V14, M1, M2  
Vert. off freq. - V11  
Horiz. off freq. - V12

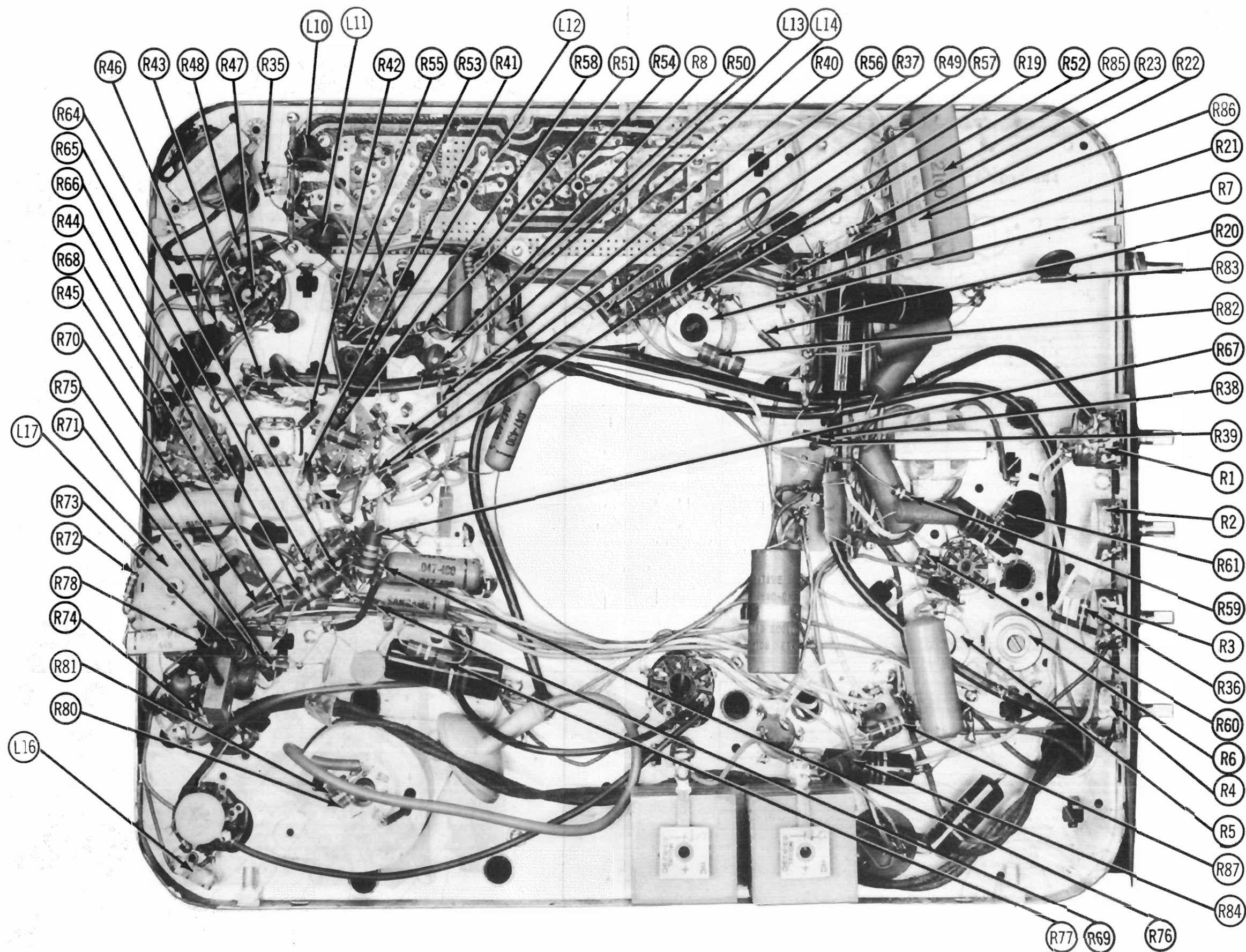
*This is not  
A2 (as on page 7)  
(No call out required)*



CHASSIS BOTTOM VIEW-CAPACITOR AND ALIGNMENT IDENTIFICATION

SILVERTONE MODELS 7106A, 7107A, 7108A (Ch. 528.49200, 528.49201, 528.49202, 528.49210, 528.49211)

FOLDER 5



CHASSIS BOTTOM VIEW-RESISTOR AND INDUCTOR IDENTIFICATION

SILVERTONE MODELS 7106A, 7107A, 7108A (Ch. 528.49200,  
528.49201, 528.49202, 528.49210, 528.49211)

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SET 378 FOLDER 5



ALIGNMENT INSTRUCTIONS

PRE-ALIGNMENT INSTRUCTIONS

USE AN ISOLATION TRANSFORMER TO PROTECT THE TEST EQUIPMENT.  
The high voltage lead should be securely taped and kept away from the chassis.  
Do not disable the high voltage circuit by removing the horizontal oscillator tube (V12).

VIDEO IF ALIGNMENT

Connect the negative lead of a 4.5 volt bias supply to point A. Positive to chassis.  
Detune A2, A3, A5, A6 and A7 by turning the cores almost out of the coil forms.  
Use only enough generator output to provide a usable indication on VTVM.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
1. Direct	Place a thin insulated metal strip between the mixer-osc. tube (V2) and tube shield. Connect the high side of sweep generator to the metal strip. Low side to chassis.	44.25MC (Unmod)	Any non-interfering channel	DC probe to point B. Common to chassis.	A1, A2, A3	Attenuate generator output to maintain not more than 2.5 volts on VTVM. Adjust for maximum deflection.
2. "	"	43.2MC	"	"	A4	"
3. "	"	45.3MC	"	"	A5	Attenuate generator output to maintain not more than 2.5 volts on VTVM. Adjust for maximum deflection. A5 may be top or bottom slug.
4. "	"	47.25MC	"	"	A6	Increase generator output and adjust A6 for MINIMUM deflection. A6 may be top or bottom slug. Repeat steps 3 and 4.
5. "	"	41.25MC	"	"	A7	Increase generator output and adjust A7 for MINIMUM deflection.

OVERALL VIDEO IF RESPONSE CHECK

Attenuate sweep generator output to maintain not more than 2 volts peak to peak on the scope (-3 volts DC at point B).  
If separate marker generator is used, loosely couple to the output cable of the sweep generator.  
Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection.  
The sweep generator output lead should be terminated with its characteristic impedance, usually 50 ohms.  
Use 10MC sweep unless otherwise noted.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
6. Direct	Place a thin insulated metal strip between the mixer-osc. tube (V2) and tube shield. Connect the high side of sweep generator to the metal strip. Low side to chassis.	44.25MC	41.25MC 42.75MC 43.8MC 44.25MC 45.0MC 45.75MC 47.25MC	Any non-interfering channel	Vert. Amp. thru 10K to point B. Low side to chassis.		Check for response similar to Fig. 1. Retouch A3 to place 45.75MC marker at 50%. Retouch A2 for proper tilt.

SOUND IF ALIGNMENT

Connect two matched 100K (±1%) resistors in series from point C to chassis. The junction of these two resistors is alignment point D as shown on the schematic.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
7. .001MFD	High side to point D. Low side to chassis.	4.5MC	Any non-interfering channel	DC probe to point D. Common to chassis.	A8, A9, A10	Adjust for maximum deflection.
8. "	"	"	"	DC probe to point D. Common to chassis.	A11	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

4.5MC TRAP ALIGNMENT

Tune in a local TV station and check the picture for evidence of 4.5MC beat interference. If necessary, adjust A8 until the horizontal scanning lines are smooth and continuous.

VHF OSCILLATOR ALIGNMENT

Turn the set on and switch to the highest high band channel (13-7) operating in the area and set the fine tuning to the center of its range. Adjust A12 for best picture. Extreme care should be used in making this adjustment because undue pressure on the coil may distort it. Check reception on other high band channels to make sure that each one operating in the area can be tuned in with the fine tuning. If not, a compromise adjustment of A12 will be necessary.

Switch to the highest low band channel (6-2) operating in the area and set the fine tuning to the center of its range. Adjust A13 for best picture. Check other low band channels to see that the fine tuning range is sufficient to obtain a good picture. If not, make compromise adjustment of A13 and again check all low band channels to see that the others have not been seriously affected.

RF AND MIXER ALIGNMENT

This portion of the receiver has been properly aligned at the factory and is very stable. Alignment of this portion should not be required in the field.

UHF ALIGNMENT

This portion of the receiver has been properly aligned at the factory and is very stable. Alignment of this portion should not be required in the field.

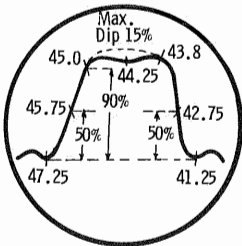
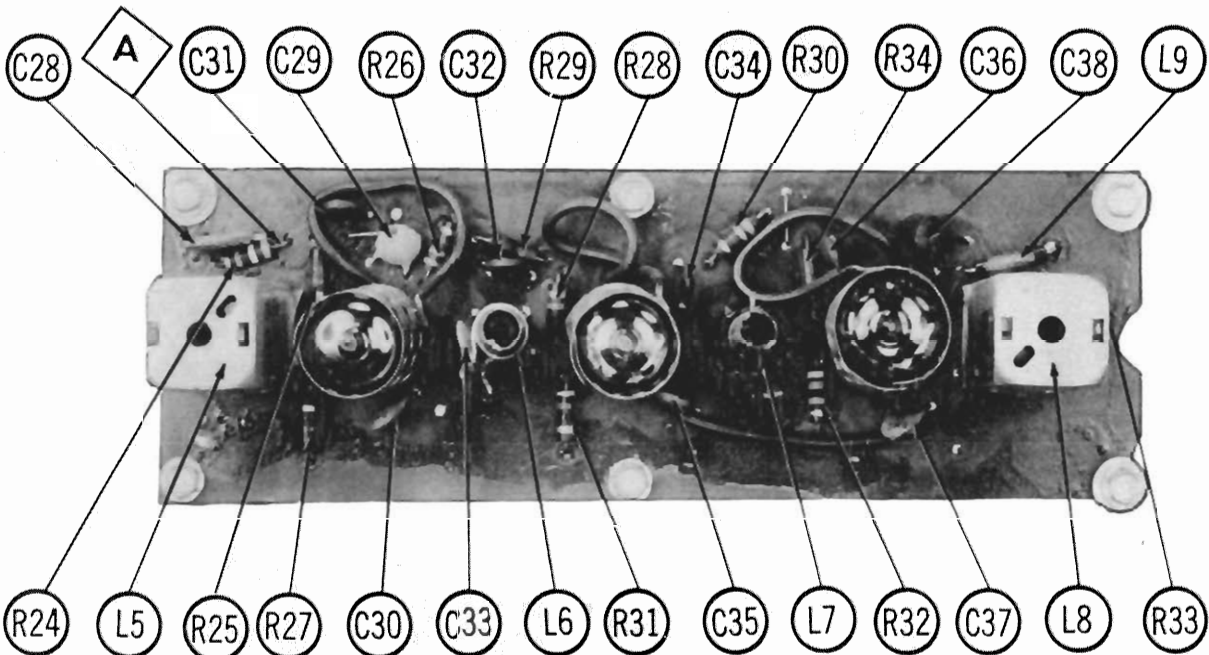
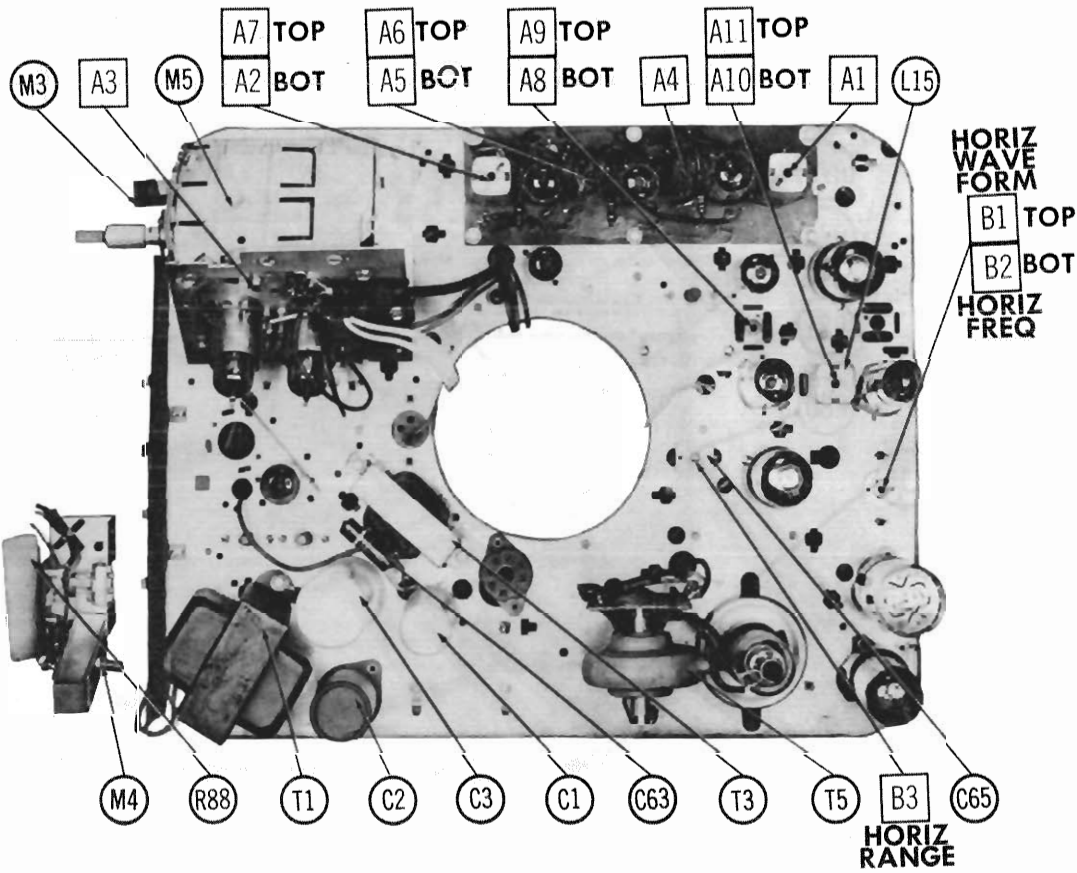


FIG. 1



PRINTED BOARD



CHASSIS-TOP VIEW

SILVERTONE MODELS 7106A, 7107A, 7108A (Ch. 528.49200, 528.49201, 528.49202, 528.49210, 528.49211)

FOLDER 5



PARTS LIST AND DESCRIPTIONS (Continued)

RECTIFIERS

ITEM No.	RATING	REPLACEMENT DATA					NOTES
	CURRENT (Measured)	SILVERTONE PART No.	FEDERAL PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL PART No.	SARKES TARZIAN PART No.	
M1	.260A	83-829 ①	1090A ①	1N1007 ②	RS300SL ①	300 ①	① Selenium type.
M2	.260A	83-829 ①	1090A ①	1N1007 ②	RS300SL ①	300 ①	② Germanium type.

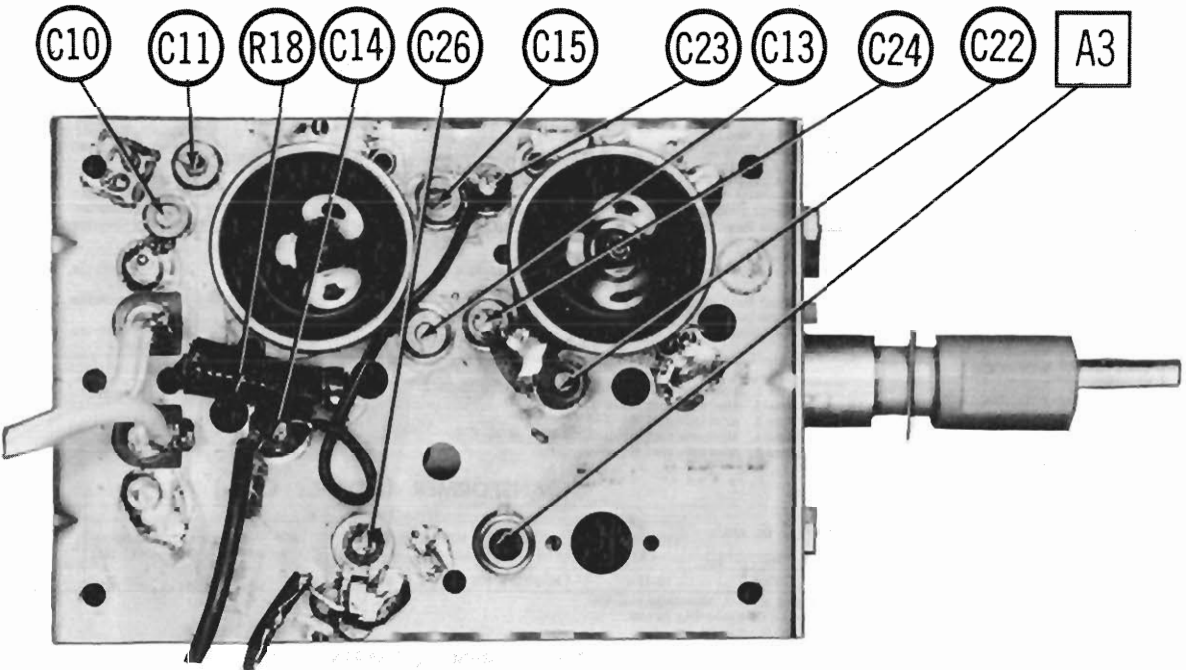
MISCELLANEOUS

ITEM No.	PART NAME	SILVERTONE PART No.	NOTES
M3	Pilot Light	89-7	Type #47 - Not used in all versions
M4	Circuit Breaker	43-1-2	Reset Type - Not used in all versions
M5	Tuner	95-75	VHF
		95-82	UHF-VHF - Includes UHF Tuner #95-73 and VHF Tuner #95-112
M6	Width Device	83-962	
M7	Centering Device	83-836	Includes yoke rear cover
	Centering Device	83-1034	Includes yoke rear cover
M8	Ion Trap	83-830	
	Printed Board	DL3-2-4	Video IF

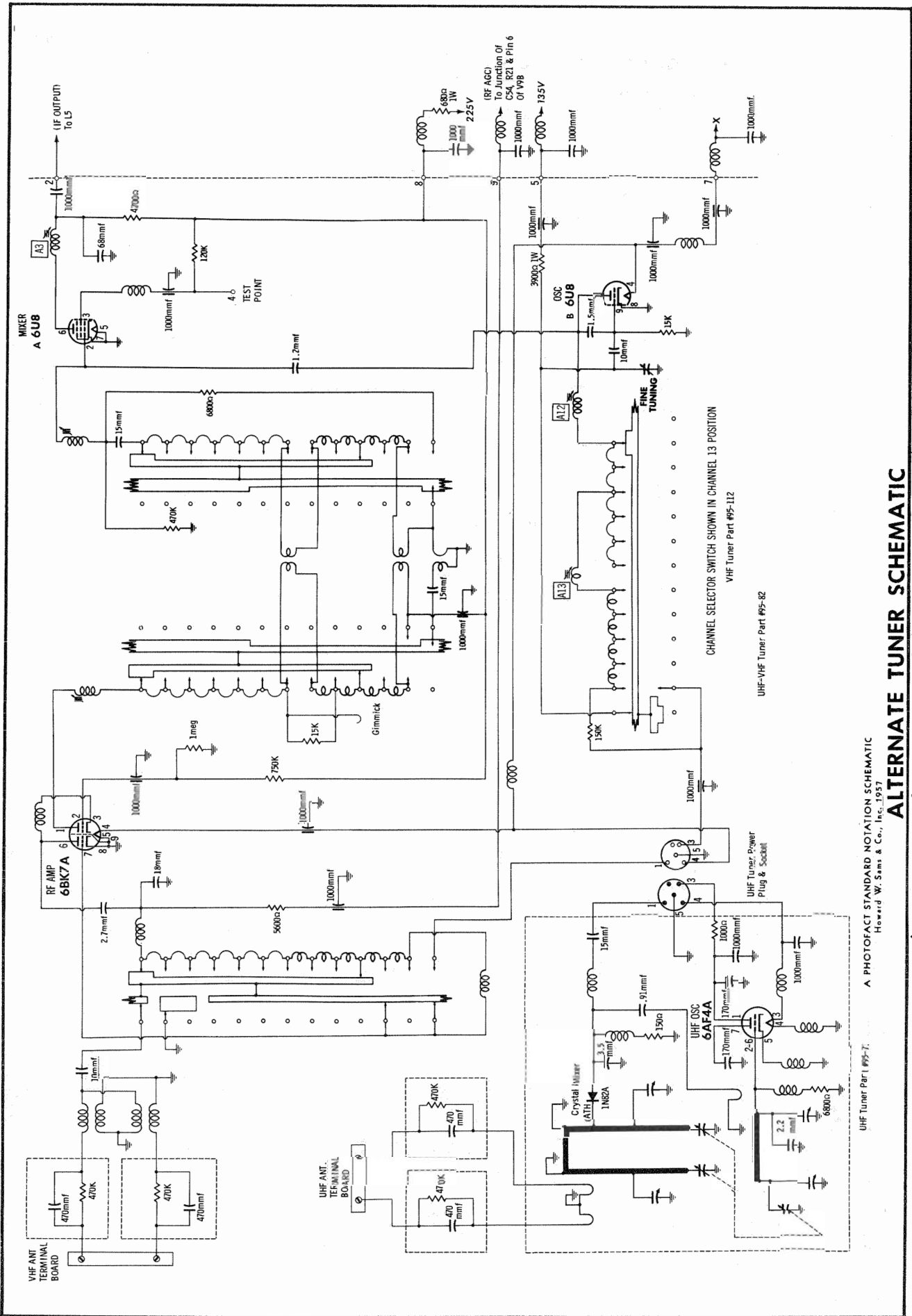
CABINETS & CABINET PARTS

(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

NAME	PART NO.	DESCRIPTION
Safety Glass	48-102	
Mask	31-311	
Bezel	40-302	Channel Indicator & Mirror
Knob	52-630	VHF Channel Indicator - Models 7106A, 7108A
Knob	52-595	Fine Tuning - Models 7106A, 7108A
		UHF Channel Selector - Model 7107A
		VHF Channel Selector - Model 7107A
		VHF Fine Tuning - Model 7107A
Knob	52-631	Brightness
Knob	52-588	Aux. Controls (4 used)
Knob	52-633	
Knob	52-575	
Dial	52-590	UHF Channel Indicator - Model 7107A
Cabinet	42-842	Models 7106A, 7107A
Cabinet	42-843	Model 7108A



RF TUNER TOP VIEW



SILVERTONE MODELS 7106A, 7107A, 7108A (Ch. 528.49200, 528.49201, 528.49202, 528.49210, 528.49211)  
C11W4HCS RBN1 11VNR117

## PARTS LIST AND DESCRIPTIONS

### CAPACITORS (cont)

#### TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES	ITEM No.	USE	TYPE	NOTES
V1	RF Amplifier	6BS8		V9	Ratio Det. -AGC Clamper-AF Amp.	6T8	
V2	Mixer-Oscillator	6AT8			Audio Output	6V6GT	
V3	1st. Video IF Amp.	6CB6		V10	Vert. Osc. -Vert. Output	6CM7	
V4	2nd. Video IF Amp.	6CB6		V11	Horiz. AFC-Horiz. Osc.	6SN7GTB	
V5	3rd. Video IF Amp. - Video Detector	6AM8		V12	Horiz. Output	6AV5	
V6	Video Output-Sync Sep.	6BA8		V13	Damper	6AX4GT	
V7	AGC Keying	6AU6		V14	HV Rectifier	1B3GT	
V8	Sound IF Amp. -Sync Amp.	6U8					

#### PICTURE TUBE

ITEM No.	REPLACEMENT DATA	NOTES
SILVERTONE PART No.	GENERAL ELECTRIC PART No.	
V16	17AVP4A 17ATP4 17AVP4	① Silver screen "85" ② Aluminized

#### ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA
CAP.	VOLT.	SILVERTONE PART No. AEROVOX PART No. CORNELL-DUBILIER PART No. MALLORY PART No. PYRAMID PART No. SANGAMO PART No. SPRAGUE PART No.
C1A	150	18-8-4
B	150	18-7-4
C2	150	18-20-3
C3A	200	
B	300	
C	300	
D	300	
C4	50	18-25-0
C5	20	18-40-0

\* Non-catalog item.

#### FIXED CAPACITORS

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING	REPLACEMENT DATA	NOTES
CAP.	VOLT.	SILVERTONE PART No. AEROVOX PART No. CENTRALAB PART No. CORNELL-DUBILIER PART No. ERIE PART No. MALLORY PART No. SPRAGUE PART No.	
C6	8		NP0
C7	225		
C8	1.8		
C9	8		
C10	9		
C11	1000		
C12	1000		
C13	1000		
C14	1000		
C15	1000		
C16	.68		
C17	.24		
C18	10		
C19	2.0		
C20	10		
C21	1.5		
C22	100		
C23	1000		
C24	1000		
C25	1000		
C26	56		
C27	.47		
C28	5000		
C29	470		
C30	1000		
C31	1000		
C32	1000		
C33	27		
C34	860		
C35	1000		
C36	1000		
C37	1000		
C38	10		
C39	33		
C40	.047		
C41	.047		
C42	.033		
C43	33		
C44	1000		
C45	5000		
C46	560		
C47A	4000		
B	4000		
C48	1000		
C49	5000		
C50	5000		
C51	1000		
C52	5000		
C53	1000		
C54	.047		
C55	.22		
C56	5000		
C57	.022		
C58	150		
C59	.0047		
C60	5000		
C61	.047		
C62	.1		
C63	.047		
C64	180		
C65	25-280		
C66	2000		
C67	.047		
C68	.22		
C69	.047		
C70	390		
C71	.01		

ITEM No.	RATING	REPLACEMENT DATA	NOTES
CAP.	VOLT.	SILVERTONE PART No. AEROVOX PART No. CENTRALAB PART No. CORNELL-DUBILIER PART No. ERIE PART No. MALLORY PART No. SPRAGUE PART No.	
C72	1000		
C73	.0047		
C74	100		
C75	47		
C76	.047		
C77	100		
C78	68		
C79	.047		
C80	.047		
C81	5000		
C82	5000		

- ① In some versions this is one-half of a dual 1000MMF (Part #15-10218).  
 ② Some versions use a 560MMF in this application (Part #15-5611).  
 ③ Not used in some versions.  
 ④ Some versions may use a dual 5000MMF in this application (Part #15-50218).  
 ⑤ Not used in Ch. 528.49200 and 528.49210.

#### CONTROLS

ITEM No.	RATING	REPLACEMENT DATA	INSTALLATION NOTES
RESISTANCE	WATTS	SILVERTONE PART No. CENTRALAB PART No. CLAROSTAT PART No. IRC PART No. MALLORY PART No.	
R1A	500K		Volume
B	Shaft		
C	Switch		
R2A	200K		Contrast
B	Shaft		
R3A	1.5Meg		Vert. Hold - Note 1
B	Shaft		
R4A	100K		Horiz. Hold
B	Shaft		
R5A	5000K		Vert. Lin. with 1500K stop
B	Shaft		
R6A	5Meg		Height with 1.2Meg stop - Note 2
B	Shaft		
R7A	4Meg		AGC
B	Shaft		
R8A	100K		Brightness
B	Shaft		

- † Use 1500K resistor in series with right hand terminal.  
 \* Use 1Meg resistor in series with right hand terminal.  
 Note 1. Chassis 528.49210 and 528.49211 use alternate part #25-243 in this application.  
 Note 2. In some versions a 2.7Meg control with a 1.2Meg stop will be used in this application.  
 To replace use replacements listed and a 1.8Meg resistor to replace R60.

#### RESISTORS

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

ITEM No.	RATING	REPLACEMENT DATA	NOTES
OHMS	WATT	SILVERTONE PART No. IRC PART No.	
R9	2200K		
R10	3900K		
R11	820K		
R12	1.2Meg		
R13	15K		
R14	220K		
R15	1800K		
R16	5600K		
R17	15K		
R18	820K		
R19	390K		
R20	2.2Meg		
R21	470K		
R22	22K		
R23	22K		
R24	39K		
R25	5600K		
R26	330K		
R27	56K		
R28	12K		
R29	1000K		
R30	390K		
R31	47K		
R32	47K		
R33	1000K		
R34	220K		
R35	4700K		
R36	18K		
R37	2200K		
R38	22K		
R39	6800K		
R40	220K		
R41	560K		
R42	220K		
R43	22K		
R44	18K		
R45	4.7Meg		
R46	270K		
R47	470K		
R48	330K		

- Note 1. Some versions use a 220K in this application.  
 Note 2. Some versions use a 680K, 1W in this application.  
 Note 3. Some versions use a 470K in this application.  
 Note 4. Some versions use a 18K across the primary and omit the resistor across the secondary.  
 Note 5. Some versions use a 56K in this application.  
 Note 6. In versions not using a circuit breaker this resistor becomes a 5K fusible resistor (Part #43-1009 or 43-1011).

#### TRANSFORMER (FILAMENT)

ITEM No.	RATING	REPLACEMENT DATA
PRI.	SEC. 1	SILVERTONE PART No. Hallderson PART No. Merit PART No. Stancor PART No. Thordarson PART No. Triad PART No.
T1	117VAC ② .53A	80-386

#### TRANSFORMERS (SWEEP CIRCUITS)

ITEM No.	USE	REPLACEMENT DATA	NOTES
SILVERTONE PART No.	Hallderson PART No.	Merit PART No.	Ram PART No.
T2	Vert. Osc.	B80-380-A	B6702
T3	Vert. Output	B80-325	Z1806 ①
T4A	Yoke-Horiz. (20.5MH)	10-815J ②	A-3003 ①
B	Alt. Yoke	10-815 ②	V405 ①
T5	Horiz. Output	D80-375G	A-8125 ①
	Alt. Horiz. Output	80-375	A-8141 ①

- ① Drill new mounting hole(s).  
 ② Includes yoke plug part #45-156, rear cover and centering device #83-936 or #83-1034.  
 ③ Use original horizontal damping network, if necessary.  
 ④ Jumper yoke terminals #6 and #1, connect to yoke plug pin #5. Connect yoke terminal #3 to yoke plug pin #7, yoke terminal #4 to yoke plug #3.  
 ⑤ Use original rear cover and centering device and width sleeve.

#### \*HORIZONTAL OUTPUT TRANSFORMER CONNECTION DATA

Use Original Width Coil Unless Replacement Type Is Listed

ORIGINAL TERMINAL CONNECTIONS	Hallderson Replacement Connections	Merit Replacement Connections	RCA Replacement Connections	Ram Replacement Connections	Stancor Replacement Connections	Thordarson Replacement Connections	Triad Replacement Connections
4				4	4	4	
3				3	3	3	
2				2	2	2	
1				1	1	1	
A				A	G	A	
G				G	A	G	

#### TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA	NOTES
PRI.	SEC.	SILVERTONE PART No. Hallderson PART No. Merit PART No. Stancor PART No. Thordarson PART No. Triad PART No.	
T6	5800K	80-378	① Drill new mounting hole.

#### SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA	NOTES
SIZE	FIELD	SILVERTONE PART No. QUAM PART No.	
SPI	5"	79-435	5A07

#### COILS (RF-IF)

ITEM No.	USE	SILVERTONE PART No.	NOTES	ITEM No.	USE	SILVERTONE PART No.	NOTES
L1	Ant. Trans.	2286-1		L4	Mixer Plate	2110-8	
L2	Osc. Coil	538L-4	Channel 8				
L3	Osc. Coil	538L-3	Channel 13				

- \* Parallel 22K resistor.  
 Note 1. Some versions may use part #10-9-2 or 10-35-2.  
 Note 2. Alternate part #10-9-3.  
 Note 3. Alternate part #10-10-3.  
 Note 4. Alternate part #10-11-0, 10-11-1, or 10-9L-1.  
 Note 5. Alternate part #10-28-1.

#### TRANSFORMER (HORIZ. OSC.)

ITEM No.	DC RES.	REPLACEMENT DATA	NOTES
PRI.	SEC.	SILVERTONE PART No. MEISSNER PART No. MERIT PART No. MILLER PART No. RCA TYPE No. Ram PART No. Thordarson PART No.	
L17	70K *	10-18-1	20-1402 A

- \* Tapped @ 50K, waveform coil 40K.  
 \* Reverse coil mounting in can.

#### COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	SILVERTONE PART No.	REPLACEMENT DATA
K1	Vert. Integrator	2000MMF, 5000MMF, 5000MMF, 22K, 6200K, 6200K	13-2-0	Aerovox Centralab Cornell-Dubilier Erie Sprague