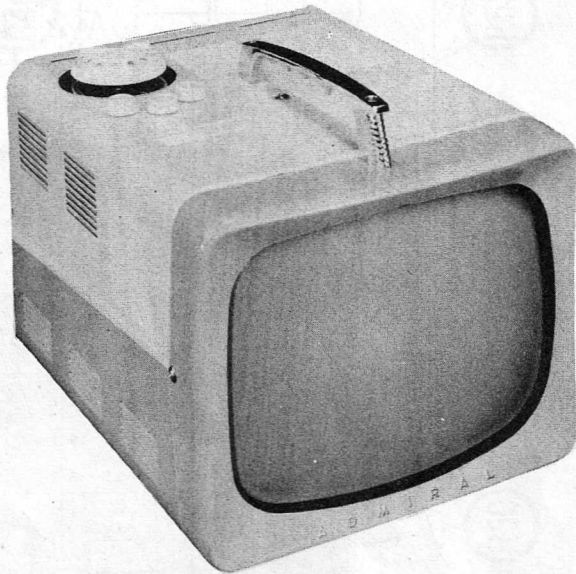




DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

1. Remove 5 push-on type control knobs.
2. Remove 2 metal screws. Remove rear cover.
3. Remove 2 metal screws. Remove handle.
4. Remove 2 metal screws. Remove front and safety glass.
5. Remove 1 metal screw from top of cabinet.
6. Remove 6 chassis bolts from bottom of cabinet.
7. Remove chassis from front.
8. Remove 2 speaker leads.
9. Remove 2 metal screws. Remove speaker.



MODEL	CHASSIS
T103	14YP3B

ADMIRAL
CHASSIS 14YP3B, BK, C

SERVICING IN THE FIELD

TUNER OSCILLATOR ADJUSTMENTS

Touch-up adjustment of the VHF tuner oscillator may be accomplished by removing channel selector, fine tuning knobs and escutcheon. The adjustments are accessible, one at a time as channels are changed. Adjust rear slug. Always adjust lowest channel first.

PICTURE TUBE SAFETY GLASS CLEANING

Remove 2 metal screws holding front of cabinet. Using extreme caution, remove front of cabinet and safety glass.

SERVICE ADJUSTMENT LOCATION

See tube placement chart on page 5.

FOCUS

Focus may be varied by placement of strap between pins

6 and 2 or 6 and 10 of picture tube. Readjust ion trap for best focus consistent with maximum brightness.

HORIZONTAL OSCILLATOR FIELD ADJUSTMENT

Adjust horizontal hold until picture synchronizes horizontally.

FUSES

A 10Ω fusible resistor R83 is used for LV power supply protection.

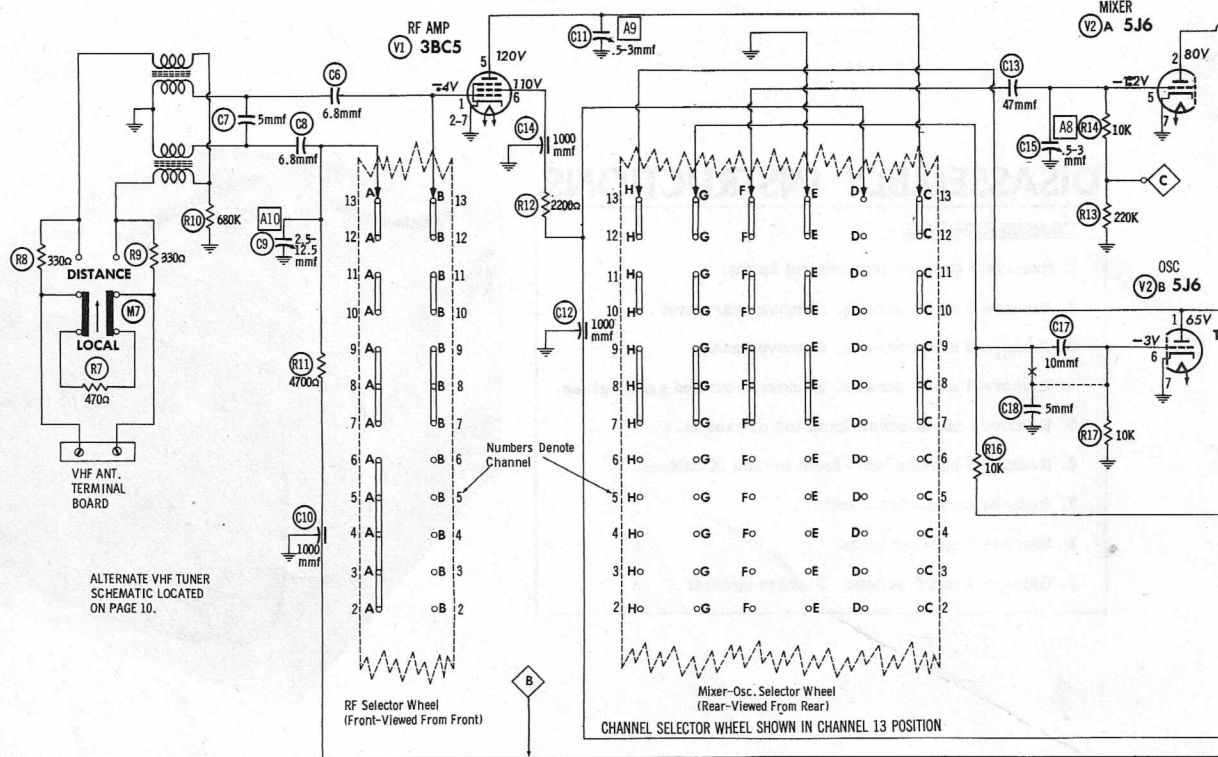
CENTERING

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.

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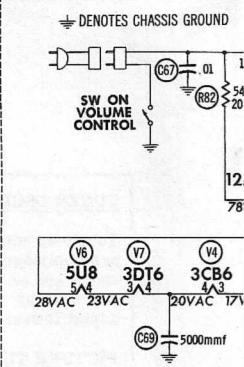
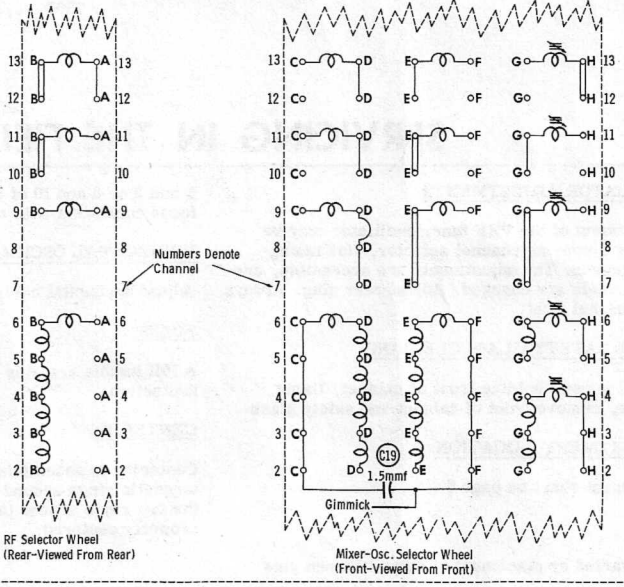
"The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed."
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ALTERNATE VHF TUNER SCHEMATIC LOCATED ON PAGE 10.

NOTE: Numbers & Letters Have Been Assigned To Selector Wheels For Purpose of Circuit Tracing & Will Not Appear On Wheels

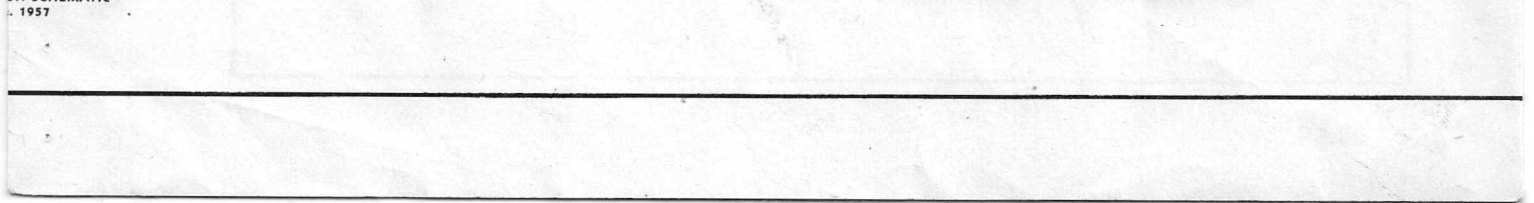
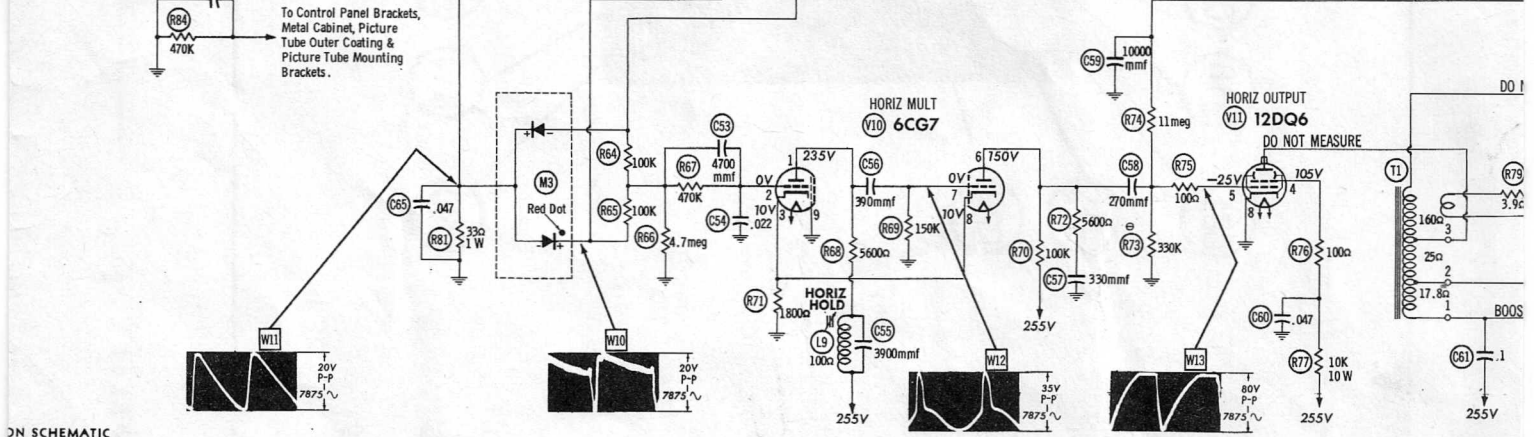
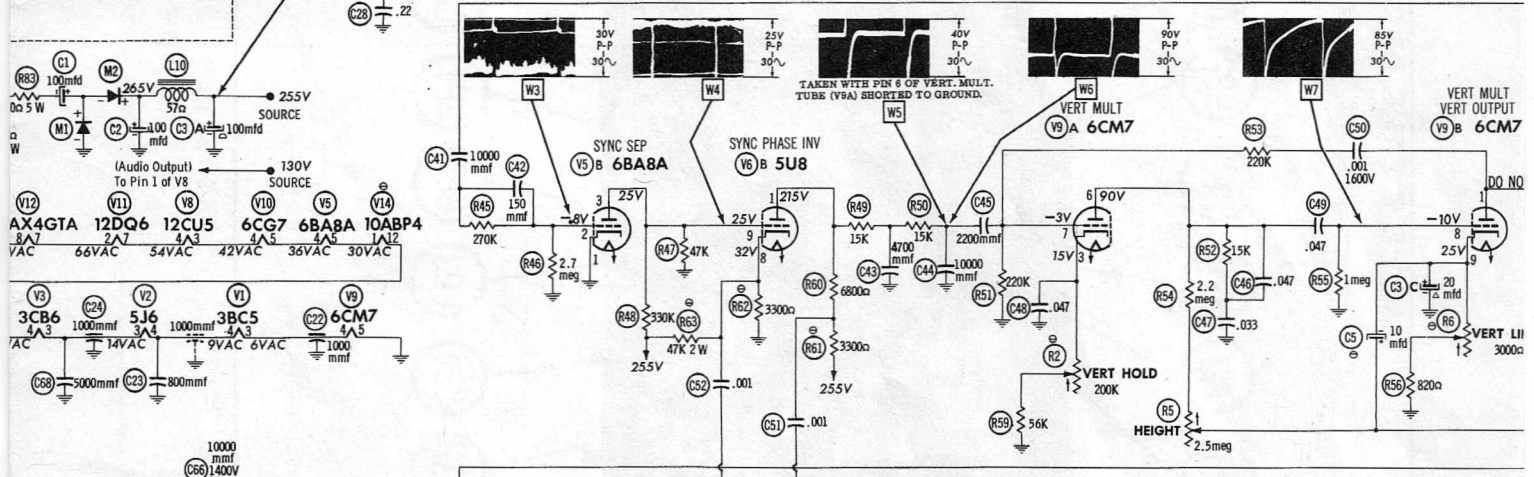
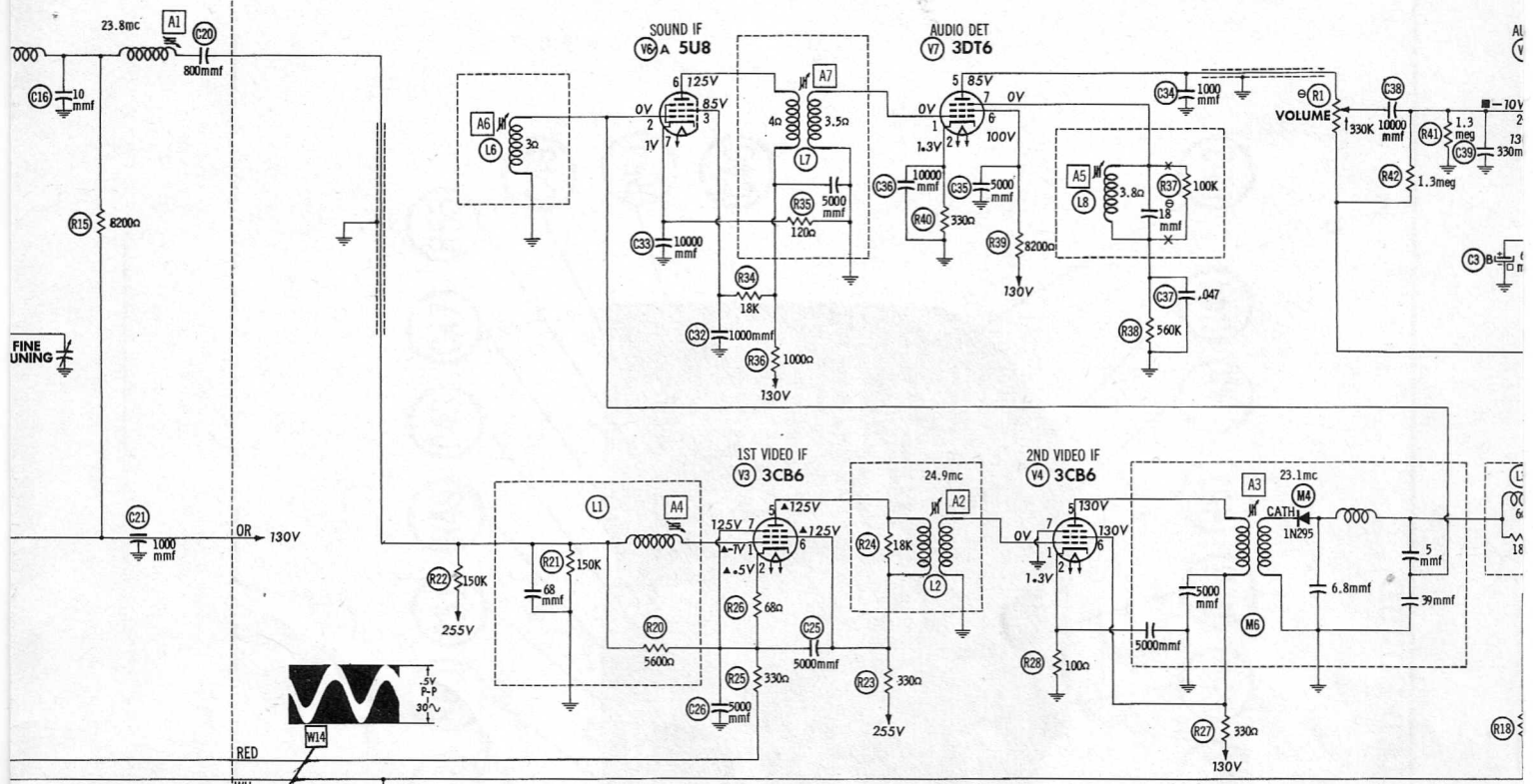


- ▲ MEASURED FROM PIN 7 OF V3.
 - MEASURED FROM 130V SOURCE.
 - ⊙ SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION
- DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM.
- ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION (CONTROL VIEWED FROM SHAFT END)
- WAVE FORMS TAKEN WITH CONTROLS SET TO PRODUCE 50 VOLTS PEAK-TO-PEAK SIGNAL AT PICTURE TUBE

1. DC voltage measurements taken with vacuum tube voltmeter; AC voltage measured at 1,000 ohms per volt.
2. Pin numbers are counted in a clockwise direction on bottom of socket.
3. Measured values are from socket pin to common negative unless otherwise stated.
4. Line voltage maintained at 117 volts for voltage readings.
5. All controls set for normal operation; no signal applied.

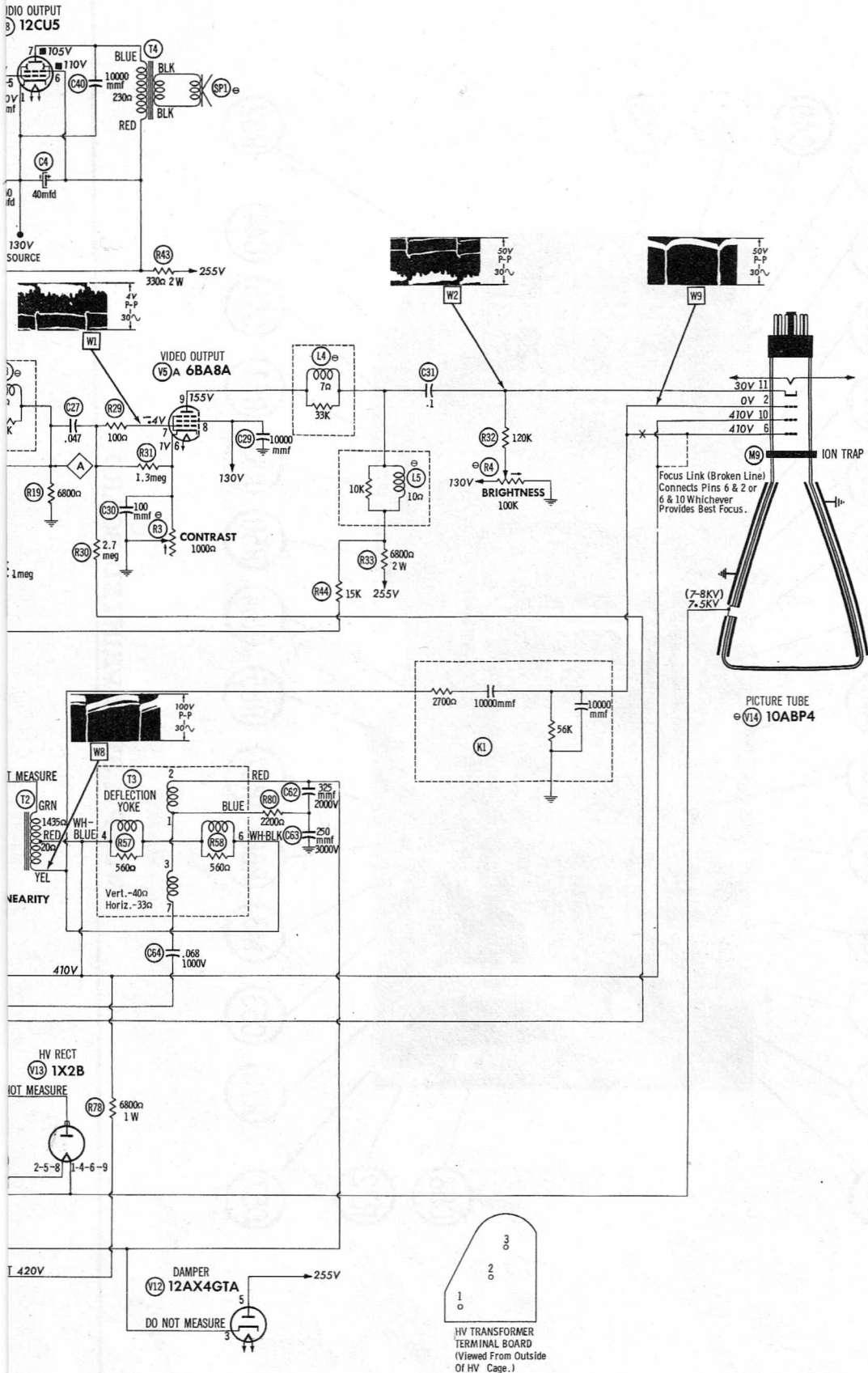
VHF Tuner Part No. 94E119-1,-2

A PHOTOFAC STANDARD NOTATION © Howard W. Sams & Co., Inc

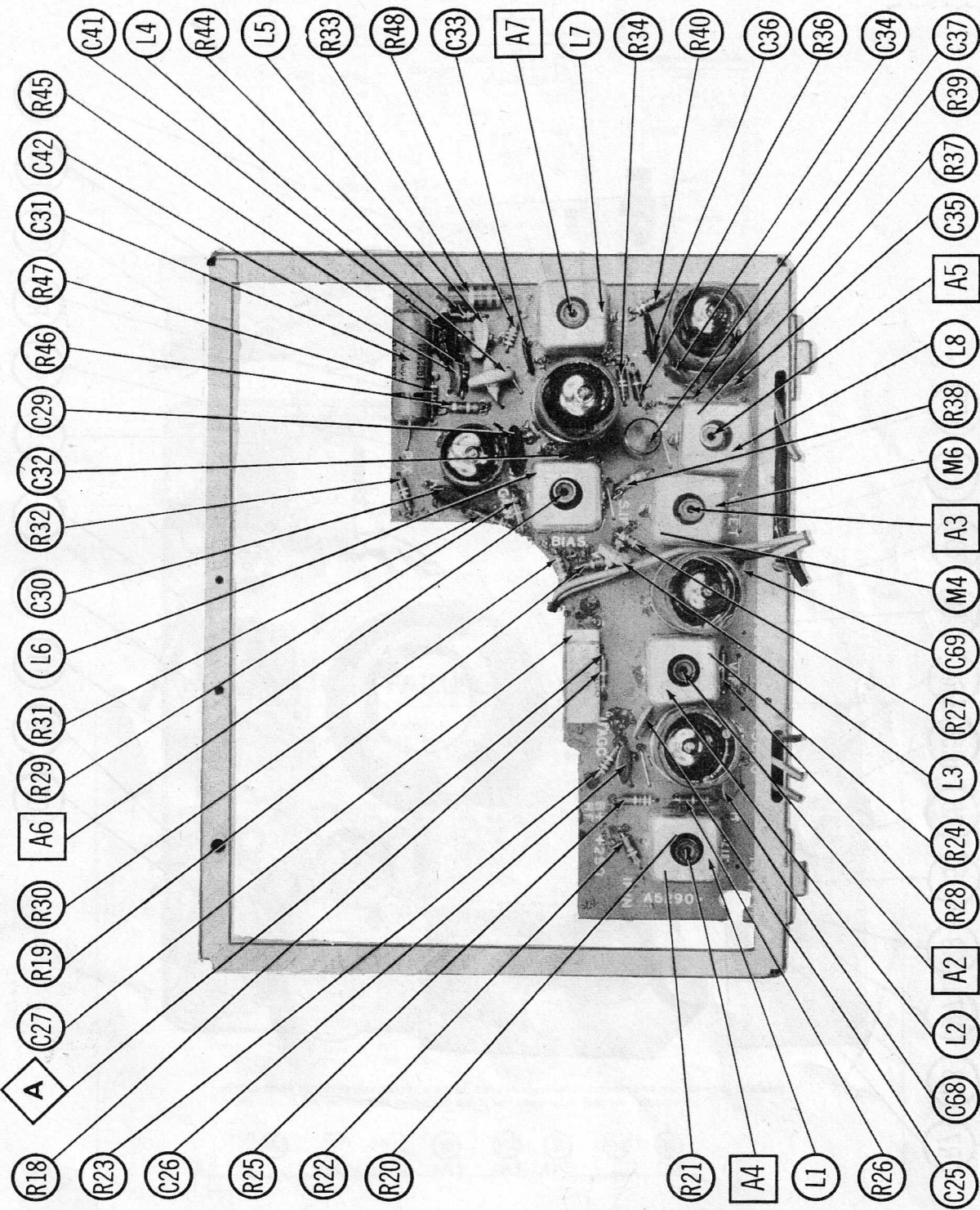


ON SCHEMATIC
1957

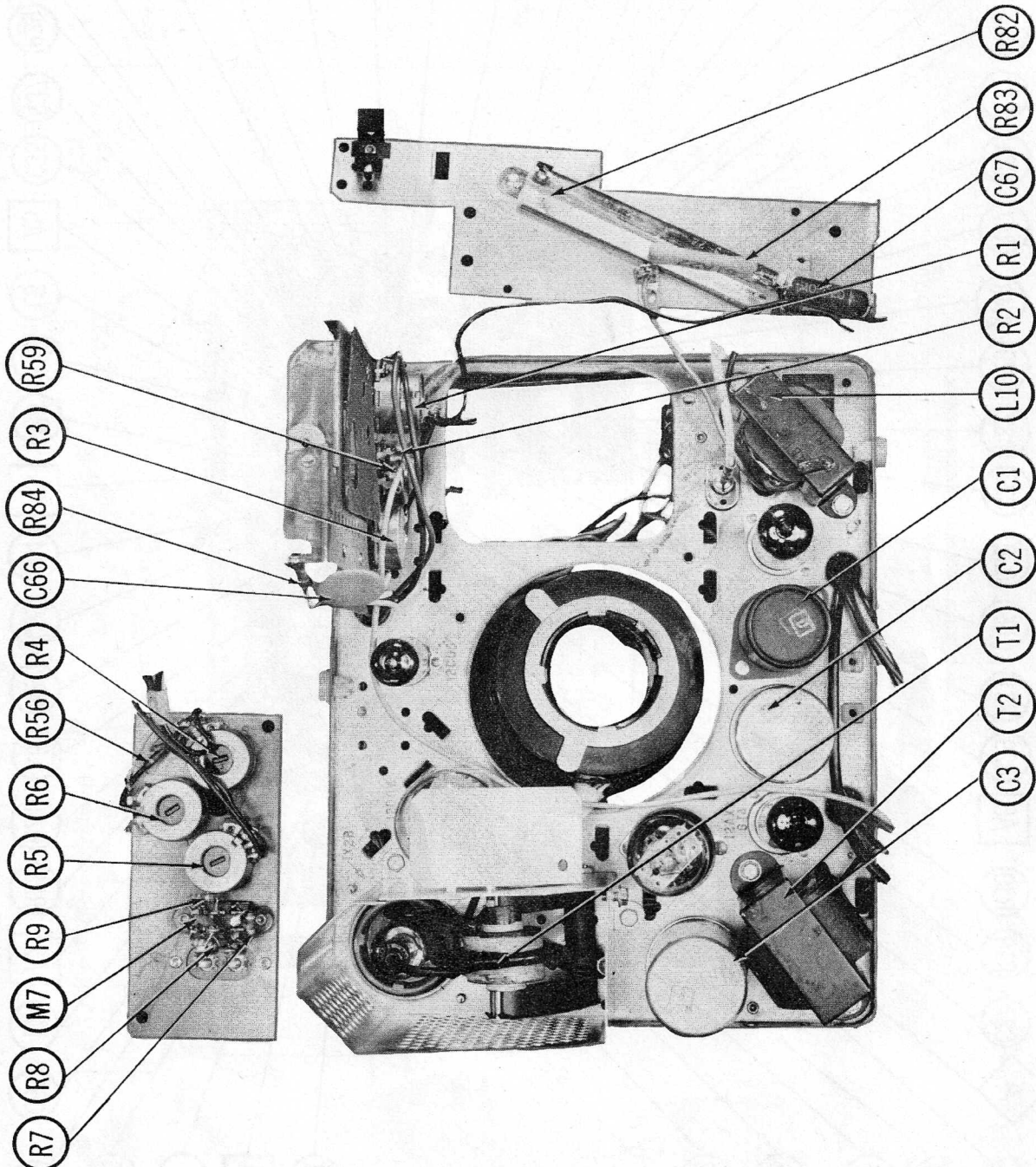
**ADMIRAL
CHASSIS 14YP3B, BK, C**



**ADMIRAL
CHASSIS 14YP3B, BK, C**

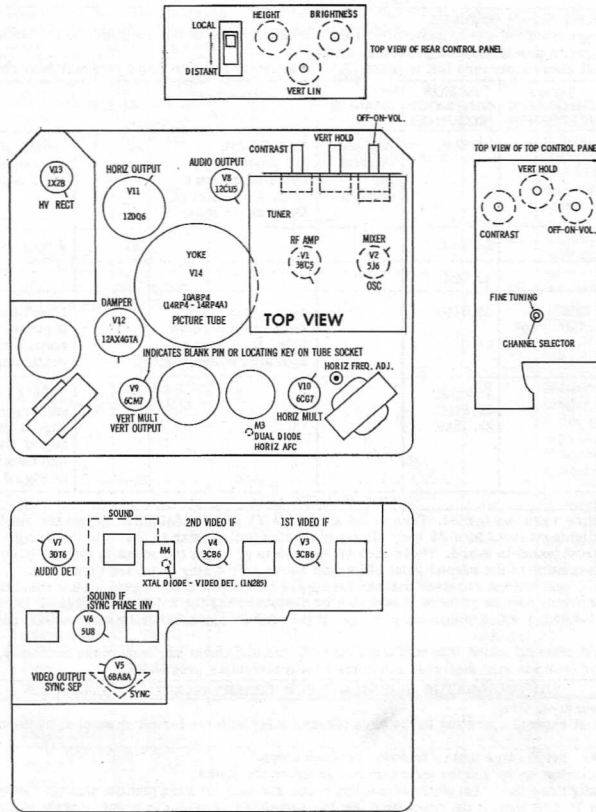


ADMIRAL
 CHASSIS 14YP3B, BK, C
 PRINTED BOARD



CHASSIS TOP VIEW

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 - Fusible Resistor (R83), Rectifier (M1) or (M2)

LOSS OF PICTURE OR SOUND

No pic, no sound, has raster - V3, V4, Diode (M3), V8

No pic, no sound, has snow - V1, V2

No pic, has sound, has raster - V3, V14

Has pic, no sound - V6, V7, V8

SYNC FAILURE

No vert. sync - V5, V6, V9

No horiz. sync - V5, V6, Diode (M3), V10

No vert. or horiz. sync - V5, V6

SWEEP FAILURE

No raster, has sound - M3, V10, V11, V12, V13, V14

No vertical deflection - V9

Poor vert. linearity or foldover - V9

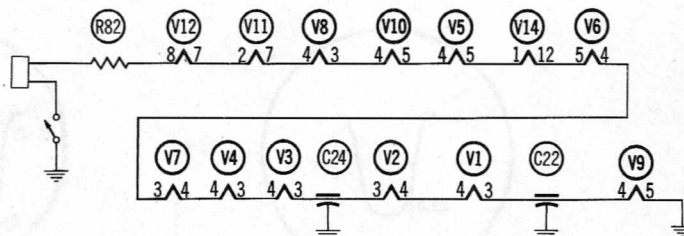
Poor horiz. linearity or foldover - V10, V11, V12

Narrow picture - V10, V11, V12, M1, M2

Vert. off freq. - V9

Horiz. off freq. - M3, V10

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



ADMIRAL
CHASSIS 14YP3B, BK, C

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

The high voltage lead should be securely taped and kept away from the chassis.
Use an isolation transformer to protect the test equipment.

VIDEO IF ALIGNMENT

Disconnect antenna and connect a jumper across terminals.
Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection.
Use only enough sweep generator output to provide usable pattern on scope.
Connect the negative lead of a 2.5 volt bias supply thru 10K to point \diamond . Positive to chassis. Turn contrast fully counter clockwise.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
1. Direct	High side to ungrounded tube shield floating over mixer-osc. tube (V2). Low side to chassis.	Not used	23.8MC	Any non-interfering channel	USE VTVM. DC probe thru decoupling network (Fig. 1) to point \diamond . Common to chassis.	A1	Detune A4 by turning slug clockwise until slug extends approximately 1/8" out of coil. Adjust A1 for maximum deflection.
2. "	"	"	24.9MC	"	"	A2	Adjust for maximum deflection.
3. "	"	"	23.1MC	"	"	A3	"
4. "	"	23MC (7MC Swp)	23.5MC	"	Vert. Amp. thru decoupling network (Fig. 1) to point \diamond . Low side to chassis.		Check for response curve similar to Fig. 2. If curve does not resemble Fig. 2 repeat steps 1 thru 3 for correct curve before continuing with step 5.
5. "	"	"	21.25MC 23.5MC 25.75MC	"	"	A4	Turn A4 counter clockwise to reduce peak and broaden bandwidth of curve to resemble Fig. 3. It may be necessary to alternately adjust A4 and A1 to obtain proper curve with markers located as shown. The dotted line in Fig. 3 shows permissible variation.

SOUND IF ALIGNMENT

- Turn the set on and allow 15 minutes warm-up period. Tune in the strongest TV signal available. Adjust the set for normal operation.
- Using a non-metallic hexagonal alignment tool, turn A5 very slowly clockwise until a buzz is heard in the sound. Then turn counter clockwise until the loudest and clearest sound is heard. There may be two points at which the sound is loudest (approximately 1/2 turn apart). The slug should be set at the center of the second point of loudest sound as the slug is turned clockwise.
- Using an attenuator between the antenna and the receiver antenna terminals reduce the input signal until a considerable amount of hiss and noise is heard in the sound. The signal may be reduced in strength by disconnecting the antenna and placing the lead near the terminals.
- Carefully adjust A6 for the clearest sound with a minimum of noise. If the hiss disappears during alignment, reduce the signal still further until the hiss returns.
- Carefully adjust A7 for loudest and clearest sound with minimum hiss. If this alignment has been made correctly, no further alignment should be necessary. However, if the sound is still distorted and noisy repeat the entire procedure.

VHF OSCILLATOR ALIGNMENT FOR TUNERS #94E119-1 AND #94E119-2

Turn the set on and allow 15 minute warm-up time.

- Set the channel selector to the lowest channel operating in the area (always start with the lowest channel to be adjusted and the next higher, etc.).
- Set the control for a normal picture. Set the fine tuning midway between stops.
- Remove the channel selector, fine tuning knobs and the gold escutcheon under the knobs.
- Using an 1/8" blade non-metallic alignment tool, carefully adjust the oscillator slug for best picture quality. (When two slugs are visible adjust the one marked REAR SLUG in Fig. 4) Repeat the procedure for the remaining channels in order of their channel number (from lowest channel to highest channel).

VHF OSCILLATOR ALIGNMENT FOR TUNER #94D128-1

Always make channel adjustments on the highest channel to be adjusted first since adjustment on one channel will affect adjustment of the lower channels. Before adjusting see Fig. 5 for location of channel adjustment screws. Adjust as follows:

- Turn the set on and allow 15 minutes warm-up period.
- Set the channel selector to the highest VHF channel to be adjusted and adjust the controls for normal picture.
- Set the fine tuning control at the center of its range by turning in either direction two full turns then one quarter turn in the opposite direction.
- Remove the channel selector, fine tuning knobs, and the escutcheon under knobs.
- Using an 1/8" blade non-metallic alignment tool, carefully adjust for best picture. (Note that sound is not loudest at this point.) Repeat this procedure for remaining stations, in order of their channel numbers (starting with the highest channel and proceeding to the lowest).

NOTE: If channel adjustment screws for channels 7 to 12 do not have sufficient range, make adjustments using channel 13 slug and then check adjustment of each of the lower channels. If the channel adjustment screws for channels 2 thru 5 do not have sufficient range, make adjustment using channel 6, then check each of the lower channels. If channel 6 or 13 is in operation, use next lower channel to extend adjustment range.

VHF RF AND MIXER ALIGNMENT FOR TUNERS #94E119-1 AND #94E119-2

Connect the negative lead of a 2.5 volt bias supply to point \diamond . Positive to chassis.

Set the local-distant switch to "Distant" position.

Turn the set on. Allow 15 minutes warm-up period.

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 only enough sweep generator output to provide usable pattern on scope.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
6. Two 120 Ω Carbon Resistors	Across antenna terminals with 120 Ω in each lead.	201MC (10MC Swp)	199.25MC 203.75MC	11	Vert. Amp. thru 15K to point \diamond . Low side to chassis.	A8, A9	Alternately adjust A8 and A9 to obtain response curve similar to Fig. 6 with markers as shown.
7. "	"	85MC (10MC Swp)	83.25MC 87.75MC	6	"	A10	Adjust to obtain response curve similar to Fig. 6 with markers as shown. Check other channels using proper sweep and marker frequencies. If necessary retouch A8 and A9 for correcting high band channels and A10 for low band channels.

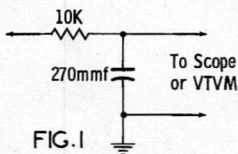


FIG. 1

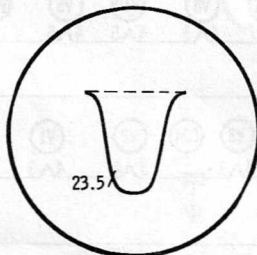


FIG. 2

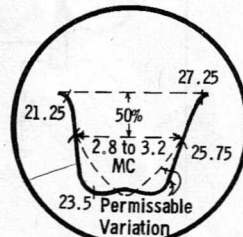


FIG. 3

ALIGNMENT INSTRUCTIONS (cont)

VHF RF AND MIXER ALIGNMENT FOR TUNER #94DI28-1

Connect the negative lead of a 3 volt bias supply to point \diamond . Positive to chassis.
 Set the local-distant switch to "Distant" position.
 Allow 15 minute warm-up period for receiver and test equipment.
 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 only enough sweep generator output to provide usable pattern on scope.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
8. Two 120 Ω Carbon Resistors	Across VHF antenna terminals with 120 Ω in each lead.	213MC (10MC Swp)	211. 25MC 215. 75MC	13	Vert. Amp. thru 10K to point \diamond . Low side to chassis.	A11, A12, A13	Check for response curve similar to Fig. 6. If necessary, adjust A11, A12 and A13 alternately to obtain proper response. A12 and A13 are adjusted for proper bandwidth and marker positions. A11 is adjusted for maximum amplitude.
9. "	"	177MC (10MC Swp)	175. 25MC 179. 75MC	7	"	A14, A15	Adjust for response curve similar to Fig. 6 with markers as indicated.
10. "	"	213MC (10MC Swp)	211. 25MC 215. 75MC	13	"	A13, A16	Retouch A13 if necessary for proper response curve (Fig. 6). If bandwidth is too broad move lead (A16) away from mixer grid ground strap. If too narrow, move lead closer.
11. "	"	177MC (10MC Swp)	175. 25MC 179. 75MC	7	"	A17	If bandwidth is too broad move lead (A17) closer to capacitor body. If too narrow move away from capacitor. Check other high band channels using proper frequencies. If necessary, make compromise adjustments of steps 8 thru 11.
12. "	"	85MC (10MC Swp)	83. 25MC 87. 75MC	6	"	*A18, *A19, *A20	If required, alternately adjust coils by expanding or compressing coil turns to obtain proper response. Adjust coils whose "A" numbers are preceded by (*) for maximum amplitude. Adjust others for tilt and marker placement.
13. "	"	79MC (10MC Swp)	77. 25MC 81. 75MC	5	"	*A26, A22, A23	"
14. "	"	69MC (10MC Swp)	67. 25MC 71. 75MC	4	"	*A24, A25, A26	"
15. "	"	63MC (10MC Swp)	61. 25MC 65. 75MC	3	"	*A27, A28, A29	"
16. "	"	57MC (10MC Swp)	55. 25MC 59. 75MC	2	"	*A30, A31, A32	"

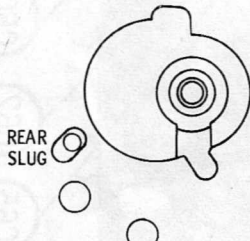


FIG. 4
VHF OSC ADJUSTMENTS

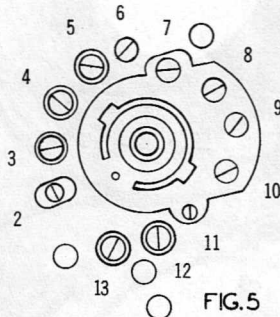


FIG. 5
VHF OSC ADJUSTMENTS

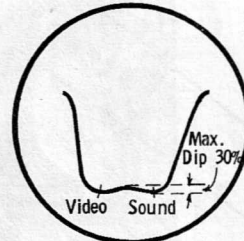
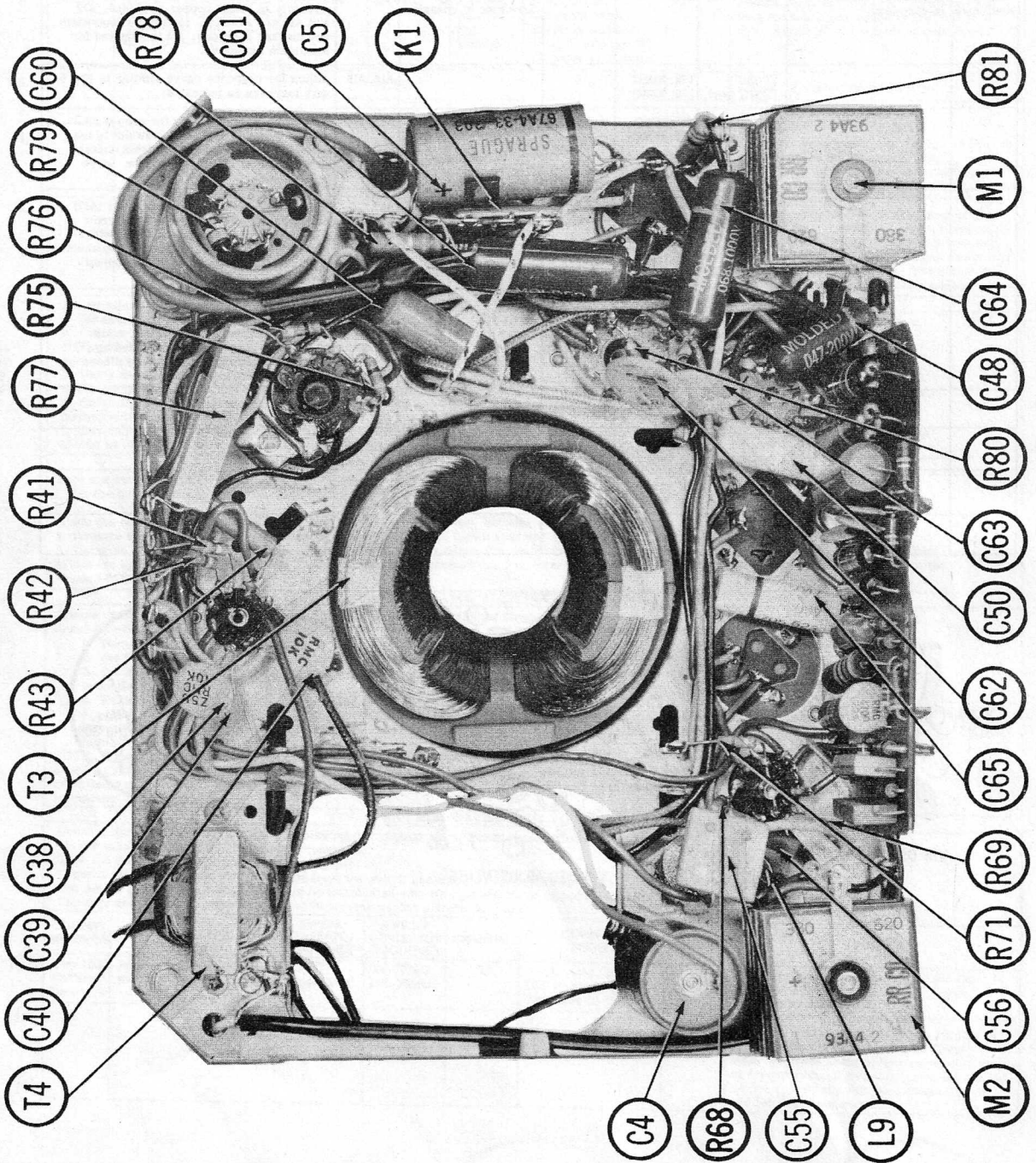
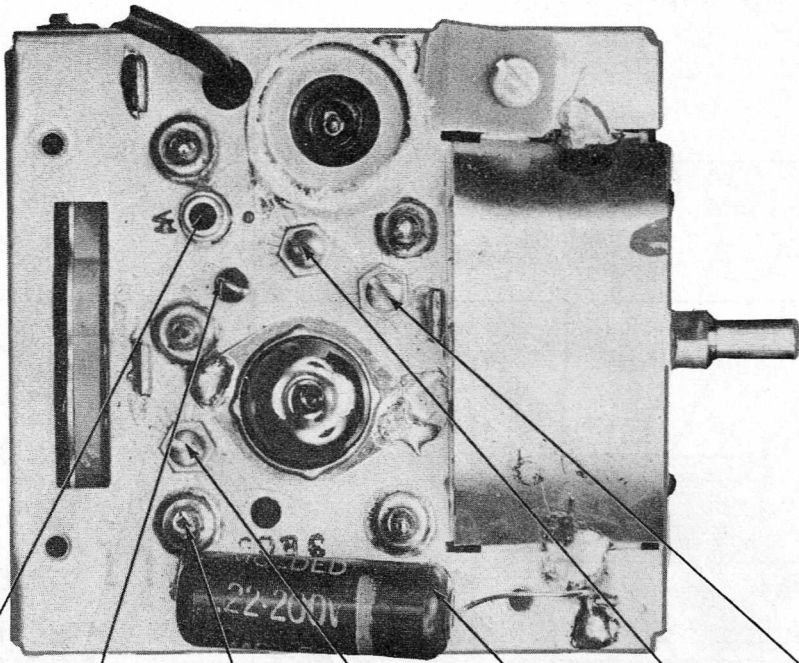


FIG. 6

ADMIRAL
CHASSIS 14YP3B, BK, C



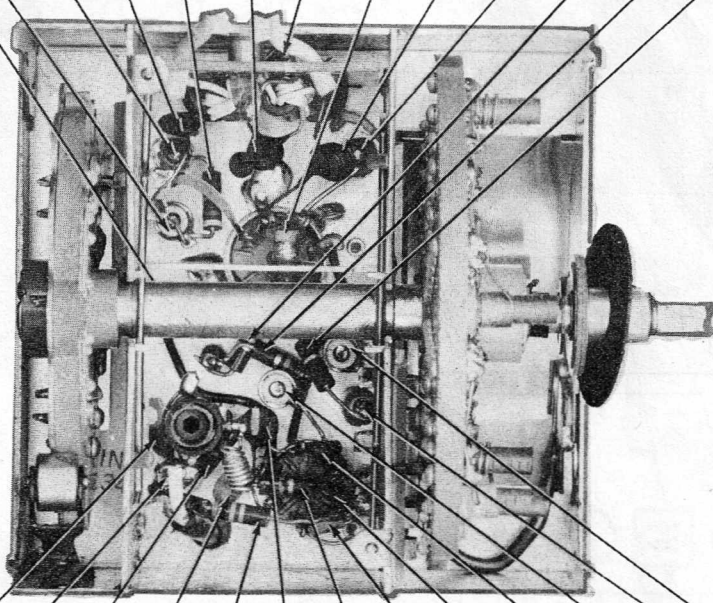
CHASSIS-BOTTOM VIEW



- A1
- C
- B
- A10
- C28
- A8
- A9

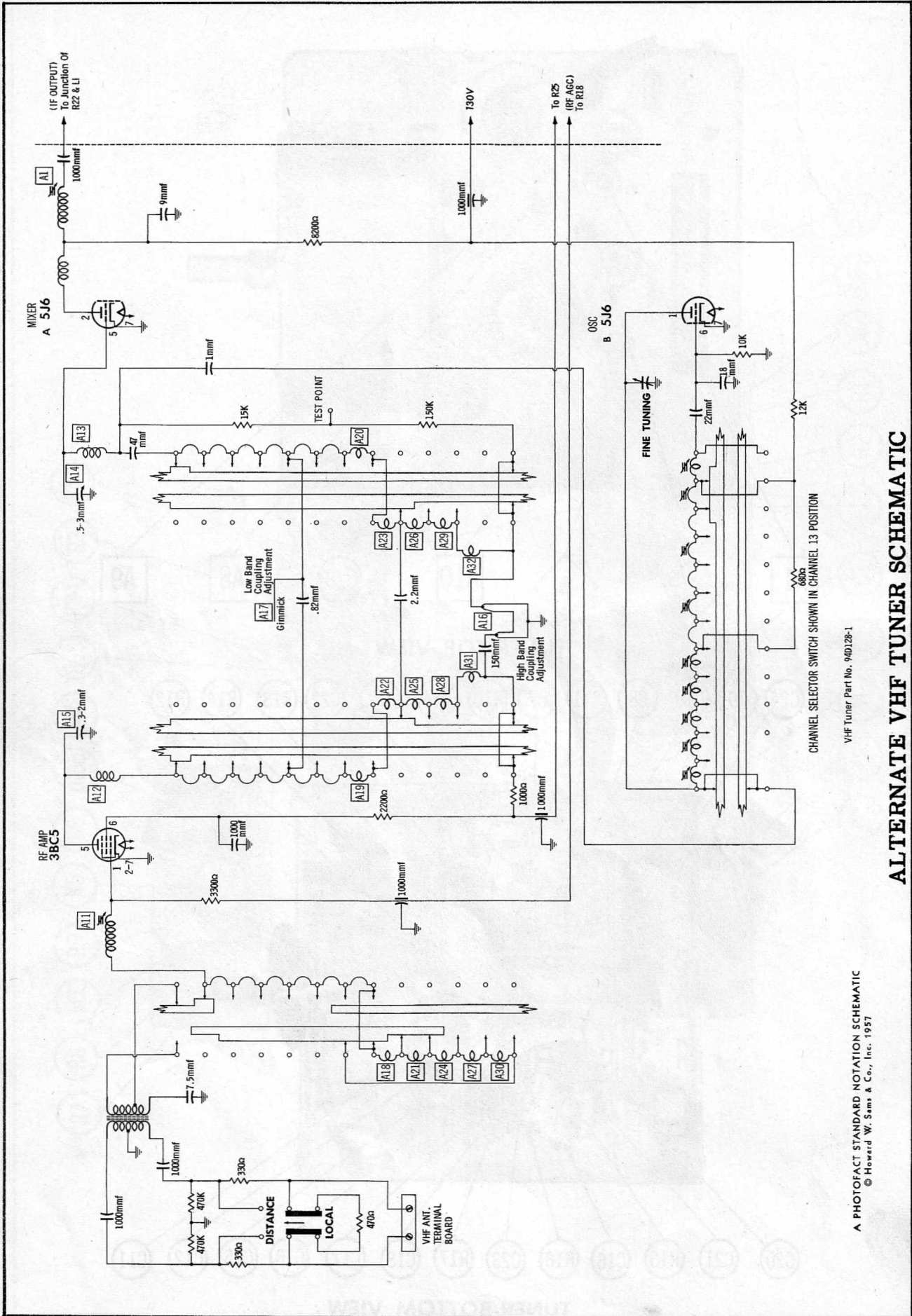
TUNER-TOP VIEW

- C24
- C9
- C10
- C8
- R11
- C7
- R10
- C14
- C6
- C22
- R13
- R14
- R12



- C20
- C21
- R15
- C16
- R16
- C23
- R17
- C18
- C17
- C13
- C15
- C12
- C11

TUNER-BOTTOM VIEW



A PHOTOFAC STANDARD NOTATION SCHEMATIC
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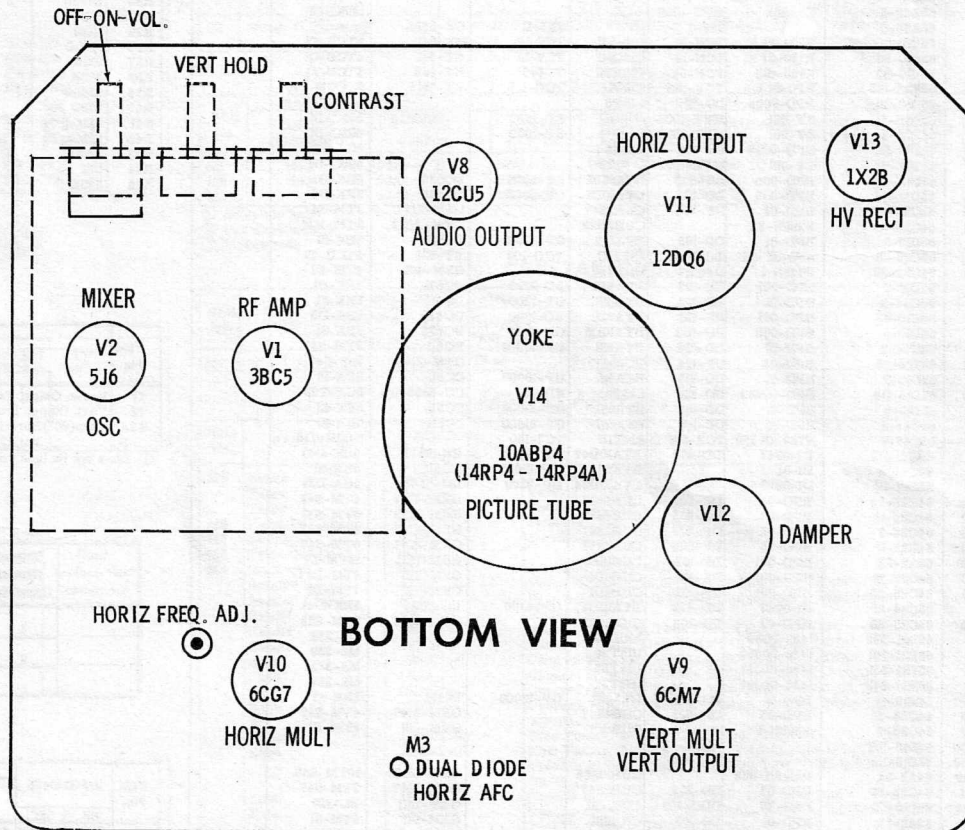
VHF Tuner Part No. 940128-1

ALTERNATE VHF TUNER SCHEMATIC

RESISTANCE MEASUREMENTS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	3BC5	1Meg	0 Ω	1.5 Ω	2.2 Ω	▲ 330 Ω	▲ 2.5K	0 Ω		
V2	5J6	■ 10K	■ 8200 Ω	3.5 Ω	2.2 Ω	230K	10K	0 Ω		
V3	3CB6	▲ 5600 Ω	▲ 68 Ω	3.5 Ω	4.4 Ω	† 330 Ω	† 330 Ω	70K		
V4	3CB6	.4 Ω	100 Ω	4.4 Ω	5.2 Ω	■ 330 Ω	■ 330 Ω	0 Ω		
V5	6BA8A	0 Ω	2.7Meg	† 330K	9 Ω	8 Ω	● 150 Ω	1.2Meg	100K	
V6	5U8	† 10K	3 Ω	■ 20K	6 Ω	7 Ω	■ 1000 Ω	120 Ω	3300 Ω	43K
V7	3DT6	3.5 Ω	330 Ω	6 Ω	5.2 Ω	† 330K	■ 8200 Ω	560K		
V8	12CU5	100K	560K	10 Ω	12 Ω	560K	† 330 Ω	† 560 Ω		
V9	6CM7	† 7500 Ω	NC	● 90K	1.5 Ω	0 Ω	● † 2.5Meg	220K	1Meg	● 1900 Ω
V10	6CG7	† 5600 Ω	5.2Meg	1800 Ω	10 Ω	9 Ω	† 100K	150K	1800 Ω	0 Ω
V11	12DQ6	NC	13.5 Ω	TP	† 10K	330K	TP	12 Ω	0 Ω	TOP CAP † 25 Ω
V12	12AX4GTA	TP	TP	110K	NC	57 Ω	TP	13.5 Ω	15 Ω	
V13	1X2B	PINS 1 THRU 9 HAVE INFINITE RESISTANCE								TOP CAP † 185 Ω
V14	10ABP4	8 Ω	56K	Pin 6 56K	Pin 10 † 6800 Ω	Pin 11 ■ 200K	Pin 12 7 Ω			

- † MEASURED FROM OUTPUT OF M2.
- THIS READING WILL VARY, CONTROL SET FOR NORMAL OPERATION.
- ▲ MEASURED FROM PIN 7 OF V3.
- † MEASURED FROM PIN 3 OF V12.
- MEASURED FROM 130V SOURCE.
- NC NO CONNECTION
- TP TIE POINT



TUBE PLACEMENT CHART
SET 350 FOLDER 1

ADMIRAL
CHASSIS 14YP3B, BK, C

D DESCRIPTIONS

DATA			INSTALLATION NOTES
IRC PART No.	MALLORY PART No.		
Q13-132 Not Req. 76-1	U48 US-26		Volume
Q11-129 Not Req. Q17-108 Not Req. Q11-128 TQ	U43 US		Vertical Hold
Q11-239 TQ	PTA15L		Contrast
Q11-112 TQ	SU-565		Brightness
	SU-8		Height
	Not Req.		Vertical Linearity

5C13-79 used in chassis 14YP3C.

COILS (RF-IF)

ITEM No.	RATING	REPLACEMENT DATA		NOTES
		OHMS	WATT	
R46	2.7Meg			
R47	47K			
R48	330K			
R49	15K			
R50	15K			
R51	220K			
R52	15K			
R53	220K			
R54	2.2Meg			
R55	1Meg			
R56	820Ω			
R57	560Ω			
R58	560Ω			
R59	56K			
R60	680Ω			
R61	330Ω			
R62	330Ω			Note 2
R63	47K	2		Note 3
R64	100K 5%			
R65	100K 5%			
R66	4.7Meg			
R67	470K			
R68	560Ω			
R69	150K			
R70	100K			
R71	180Ω			
R72	560Ω			
R73	330K			
R74	11Meg 5%			Note 4
R75	100Ω			
R76	100Ω			
R77	10K	10		
R78	680Ω	1		
R79	3.9Ω			
R80	220Ω			
R81	33Ω	1		
R82	54Ω	20		
R83	10Ω	5		
R84	470K			

ion versions.
 1) used in early production versions.
 used in early production versions.
 used in early production versions.

(WEEP CIRCUITS)

REPLACEMENT DATA					
RCA TYPE No.	Ram PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.	
		HO-265*			

FORMER CONNECTION DATA

ss Replacement Type Is Listed

ent	Ram Replacement Connections	Stancor Replacement Connections	Thordarson Replacement Connections	Triad Replacement Connections
		3		
		2		

(AUDIO OUTPUT)

ST No.	Thordarson PART No.	Triad PART No.	NOTES
3332	22S46 ①	S-12X	① Drill one new mtg. hole. ② Do not use taps on primary winding.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA			NOTES
		ADMIRAL PART No.	QUAM PART No.		
SP1	3 1/2" PM 3-4Ω 4" PM 3-4Ω	78B120-1 ① ② 78B122-1 ③	3A07		

① Alternate part #78B120.
 ② Used in chassis 14YP3B, BK.
 ③ Used in chassis 14YP3C.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		ADMIRAL PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	
L1	1st Video IF	72C132-17				
L2	2nd Video IF	72C132-8				
L3	Series Peaking Coil	73B5-32 ①	19-3180	TV-184	6180	188 Microhenries-Wound on 18K resistor.
L4	Series Peaking Coil	73B5-22 ②	19-3256	TV-185	6130	278 Microhenries-Wound on 33K resistor.
L5	Shunt Peaking Coil	73B5-21 ③	19-4400	TV-190	6134	370 Microhenries-Wound on 10K resistor.
L6	4.5MC Coil	72C132-20				
L7	Sound IF	72C132-19				
L8	Quadrature Coil	72C132-18				

■ Parallel with 18K resistor.
 ◆ Parallel with 33K resistor.
 ▲ Parallel with 10K resistor.
 ① Alternate part #73B5-8 used in later versions. Wound on 22K resistor.
 ② Alternate part #73B25-9 used in later versions.
 ③ Alternate part #73B11-1 used in later versions.

TRANSFORMER (HORIZ. OSC.)

ITEM No.	DC RES.	REPLACEMENT DATA							NOTES
		ADMIRAL PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	RCA TYPE No.	Ram PART No.	Thordarson PART No.	
L9	100Ω	94C17-7	19-1576	TV-163	6210			HS-5	

FILTER CHOKE

ITEM No.	RATINGS		INDUCTANCE (0 CURRENT 1000 CY.)	REPLACEMENT DATA					
	TOTAL DIRECT CURRENT	D. C. RESISTANCE		ADMIRAL PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
L10	.150A	57Ω	1.4HY	74B18-19	C5040	C-2994	C-2327	26C41	C-21X ①

① Drill one new mounting hole.

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	ADMIRAL PART No.	REPLACEMENT DATA
K1	Vertical Blanking	1000MMMF, 1000MMMF, 2700Ω 5600Ω	63C6-12	Aerovox Sprague PA-282 102C12

RECTIFIERS

ITEM No.	RATING	REPLACEMENT DATA						
		ADMIRAL PART No.	FEDERAL PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL PART No.	MALLORY PART No.	RADIO RECEPTOR PART No.	SARKES TARZIAN PART No.
M1	.150A	93A4-2 ①	1090A ①	1N005 ②	RS300SL ①	6S200 ①	8Q4 ①	300 ①
M2	.150A	93A4-2 ①	1090A ①	1N005 ②	RS300SL ①	6S200 ①	8Q4 ①	300 ①
M3		93A5-2 ①	1215 ① ③		1T1 ① ③			

① Selenium type.
 ② Germanium type.
 ③ 2 required.

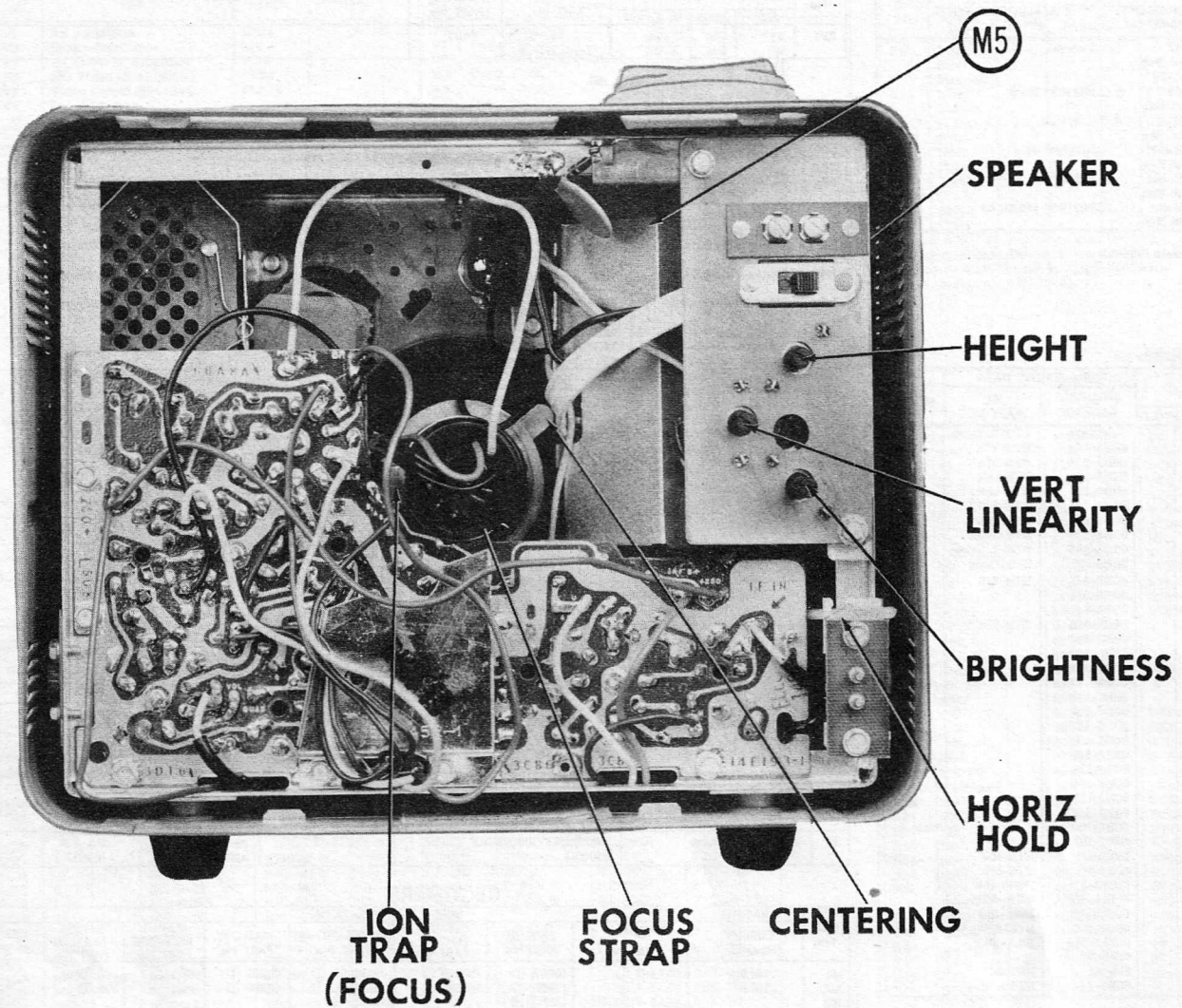
CRYSTAL DIODES

ITEM No.	ORIG. TYPE	REPLACEMENT DATA		NOTES
		ADMIRAL PART No.	SYLVANIA PART No.	
M4	IN295		IN60	Video Detector

MISCELLANEOUS

ITEM No.	PART NAME	ADMIRAL PART No.	NOTES
M5	Tuner	94E119-1	Used in Chassis 14YP3B.
	Tuner	94D128-1	Used in Chassis 14YP3BK.
	Tuner	94E119-2	Used in Chassis 14YP3C.
M6	Video Det. Ass'y.	72C176-3	Includes Coils, Caps. and M4.
M7	Switch	77B59-3	Local-Distant, (Slide Type, -D)DT)
M8	Centering Device	94A116-1	
M9	Ion Trap	94A15-5	
	Printed Board	A5290	Alternate part #94B15-5.
	Printed Board	A5291	Video IF, Includes All Components Except Tubes.
	Handle	37C141-3	Sync & Sweep, Includes All Components Except Tubes.
	Handle	37C141-1	Model T1010.
	Handle	37C141-2	Models T141, T142, T143, T140, T102, T103, T104.
	Knob	33D202-31	Models T144AL, T145AL, T105AL, T106AL, T107AL
	Knob	33D202-11	Channel Selector, Models T1010, T140, T141, T101.
	Knob	33D202-33	Channel Selector, Models T1011AL, T1012AL, T1013AL.
	Knob	33D202-32	Channel Selector, Models T142, T143, T1410, T102, T103, T104.
	Knob	33D202-14	Channel Selector, Models T144AL, T145AL, T105AL, T106AL, T107AL.
	Knob	33D202-15	Fine Tuning, Models T1010, T140, T141, T101.
	Knob	33A175-2	Fine Tuning, Models T1011AL, T1012AL, T1013AL, T142, T143, T144AL, T145AL, T1410, T102, T103, T104, T105AL, T106AL, T107AL.
	Knob	33A175-4	Control (3 used), Models T1010, T140, T141, T101.
	Knob	33A175-3	Control (3 used), Models T1011AL, T1012AL, T1013AL, T144AL, T145AL, T105AL, T106AL, T107AL.
	Safety Glass	21D88-1	Control (3 used), Models T142, T143, T1410, T102, T103, T104.
	Safety Glass	21D88-2	Model T101.
	Safety Glass	21D90-1	Models T102, T103, T104, T105AL, T106AL, T107AL, T1010, T1011AL, T1012AL, T1013AL.
	Safety Glass	21D90-2	Models T140, T141, T1410.
	Safety Glass	21D90-2	Models T142, T143, T144AL, T145AL.

ADMIRAL CHASSIS 14YP3B, BK, C



CABINET-REAR VIEW

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

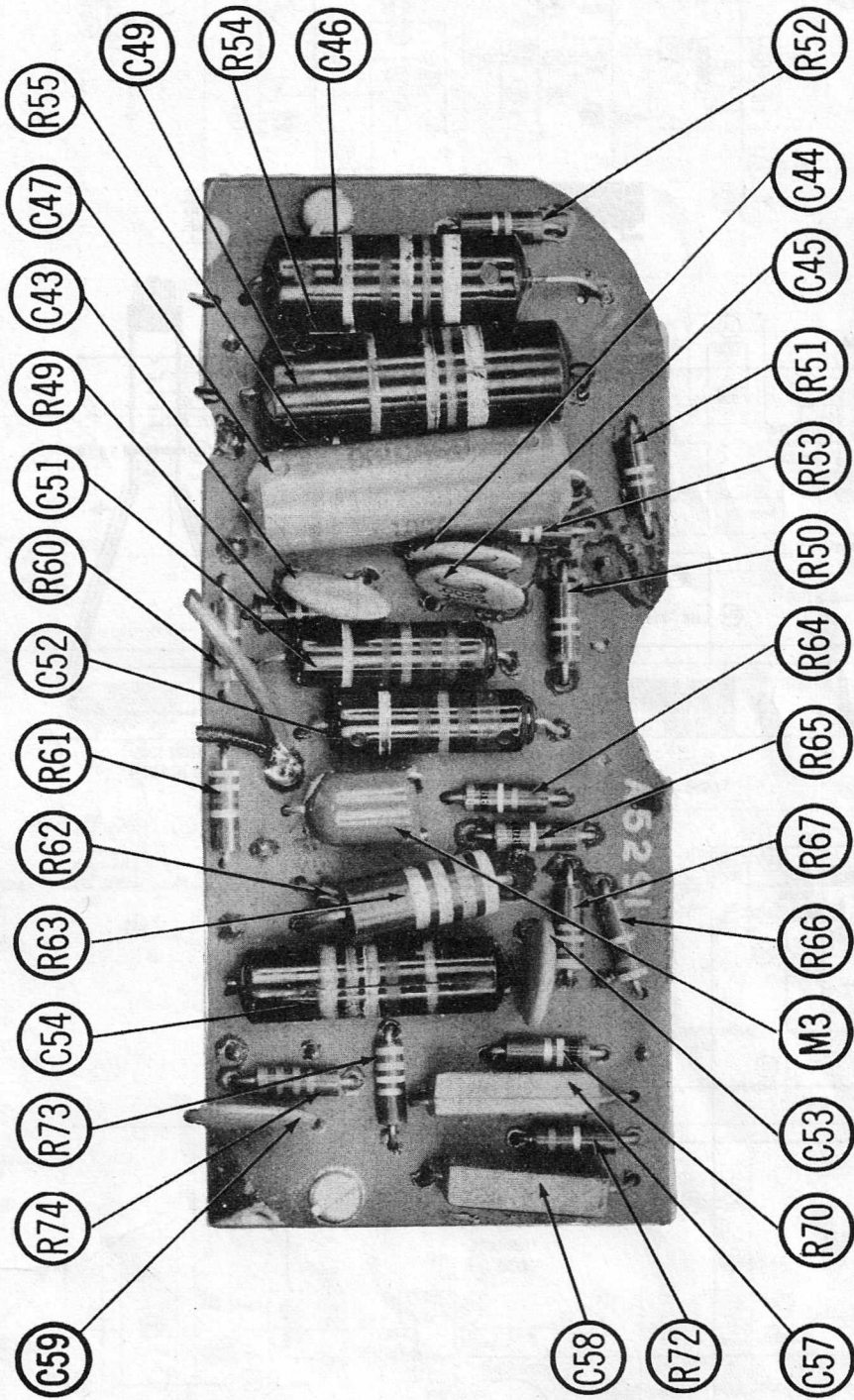
Turn the set on and tune in a TV station, preferably with a test pattern.

Set the brightness and contrast controls for a normal picture.

Turn the horizontal hold clockwise until the picture loses sync.

It may be necessary to switch off channel and back again for picture to lose sync.

Turn the horizontal hold slowly counter clockwise until the picture just falls into sync.



SWEEP & SYNC PRINTED BOARD