

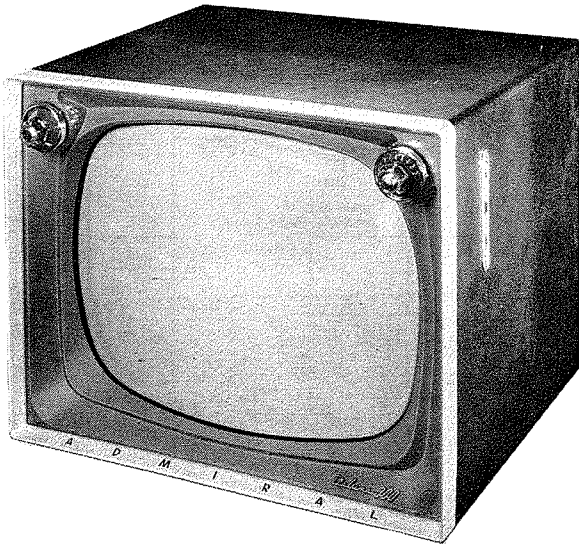
CHASSIS BOTTOM VIEW



DISASSEMBLY  
INSTRUCTIONS

CHASSIS REMOVAL

1. Remove 4 push-on type control knobs from the front.
2. Remove rear cover by prying clips loose.
3. Remove 2 phillips head screws and the escutcheon from the side.
4. Remove 2 metal screws holding the side control panel.
5. Release spring clips and remove the on-off-volume and contrast control.
6. Remove speaker plug, picture tube socket, ion trap, yoke clamp, yoke and HV lead.
7. Remove 4 chassis bolts from the bottom.
8. Remove the chassis.
9. Remove 2 speaker nuts and speaker with audio output transformer attached. NOTE: Some versions may also have the filter choke mounted on the speaker.



ADMIRAL CHASSIS 18Y4BSA,  
EFA, ESA, ESB, LSA, PSA, 18Z4ES,  
ESA, ESB, FS, FSA, FSB, LSA, PSA

MODELS

CHASSIS

T2306DA, T2307DA ..... 18Y4BSA  
C23A6A, C23A7A ..... 18Y4EFA  
C23A1A, C23A2A, C23A3A,  
C23A8A ..... 18Y4ESA  
T2301DRA, T2302DRA,  
T2303DRA ..... 18Y4LSA  
T23E1A, T23E2A, T23E3A ..... 18Y4PSA  
C323A6, C323A7, C323A16,  
C323A17, C323A19, T323A1,

T323A3, T323A3LN ..... 18Z4ES  
C323A6A, C323A7A, C323A16A,  
C323A17A, C323A19A ..... 18Z4ESA  
(Models Unknown) ..... 18Z4ESB  
C325A6, C325A7 ..... 18Z4FS  
C325A6A, C325A7A ..... 18Z4FSA  
(Models Unknown) ..... 18Z4FSB  
T2302DSA, T2303DSA ..... 18Z4LSA  
T323A1A, T323A2A, T323A2BZA,  
T323A3A, T323A3LNA ..... 18Z4PSA

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. Set the fine tuning at the center of its range. The adjustments are accessible, one at a time, as the channel selector is rotated. Adjust for best picture and sound.

PICTURE TUBE SAFETY GLASS CLEANING

Remove 4 knobs from the front of the cabinet. Remove the metal screws holding the bezel, mask and safety glass from the bottom of the front. Pull out from bottom to remove the assembly.

FOCUS

The focus may be varied by the position of a strap on the base of the picture tube. The strap can be connected between pins 6 and 2 or 6 and 10. Readjust the Ion trap for the best focus consistent with maximum brightness.

HORIZONTAL OSCILLATOR FIELD ADJUSTMENT

The horizontal frequency coil is used as the horizontal hold control. Adjust the horizontal hold 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 (A10) located on top of chassis.

FUSES

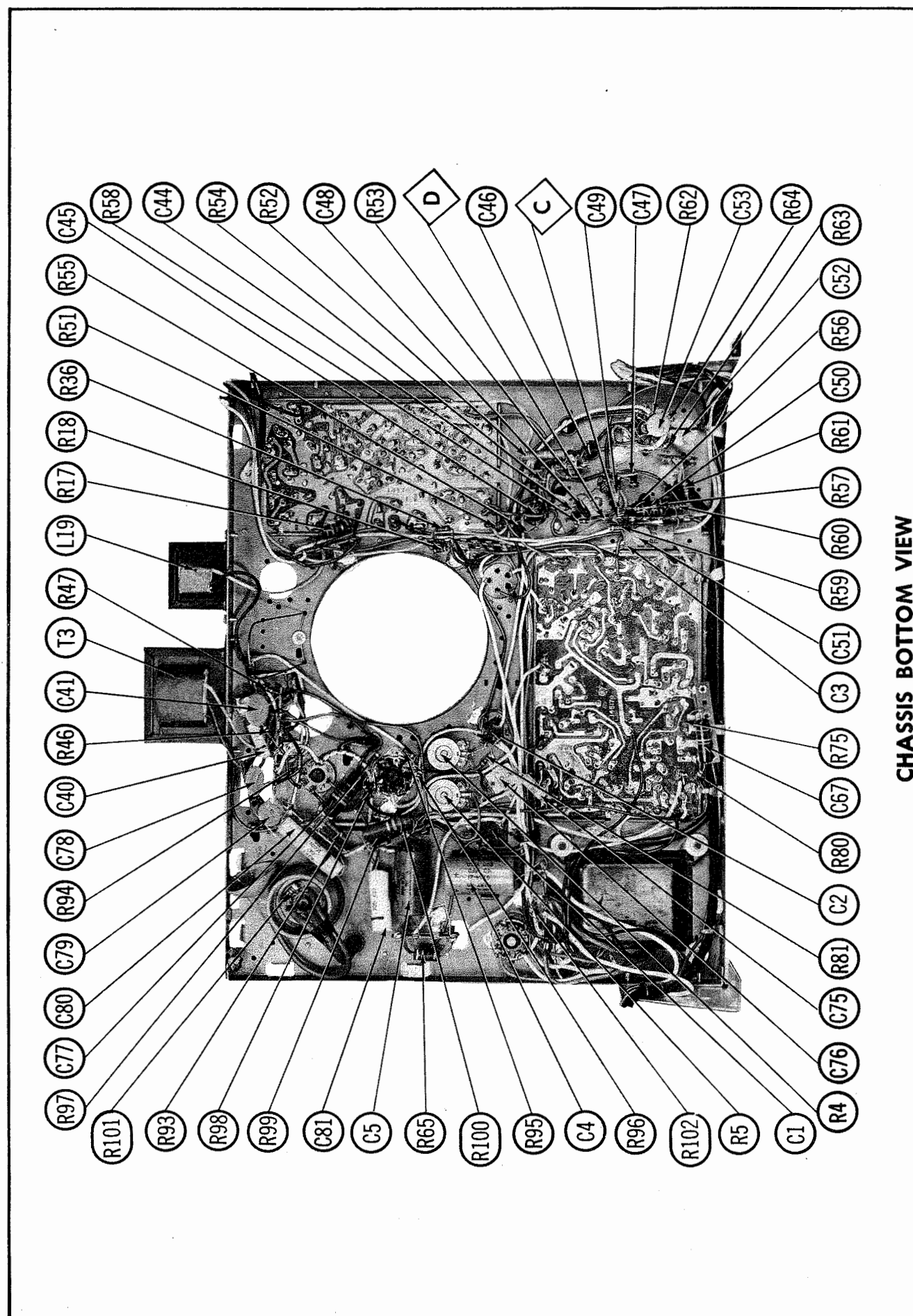
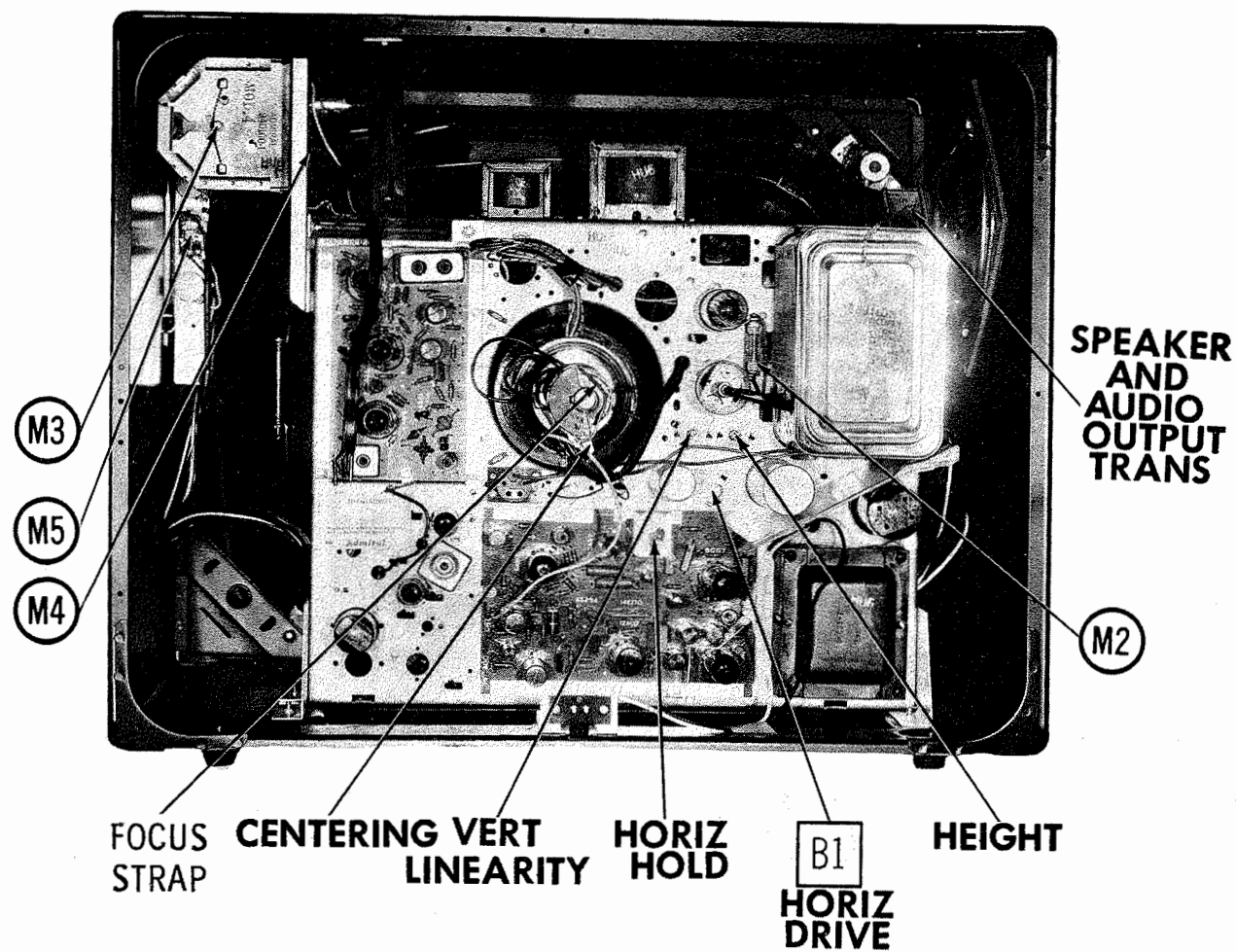
One fuse is used for LV power supply protection. (For location see tube placement chart).

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.

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**CHASSIS REMOVAL**

1. Remove 4 push...
2. Remove rear...
3. Remove 2 phil...
4. Remove 2 met...
5. Release spring...
6. Remove speaker...
7. Remove 4 cha...
8. Remove the cl...
9. Remove 2 spe...

**MODELS**

T2306DA, T  
C23A6A, C2  
C23A1A, C2  
C23A8A ...  
T2301DRA,  
T2303DRA .  
T23E1A, T2  
C23A6, C3  
C23A17, C3

**TUNER OSCILL**

Touch-up adjust  
by removing the  
Set the fine tuni  
ments are acces  
selector is rota

**PICTURE TUBE**

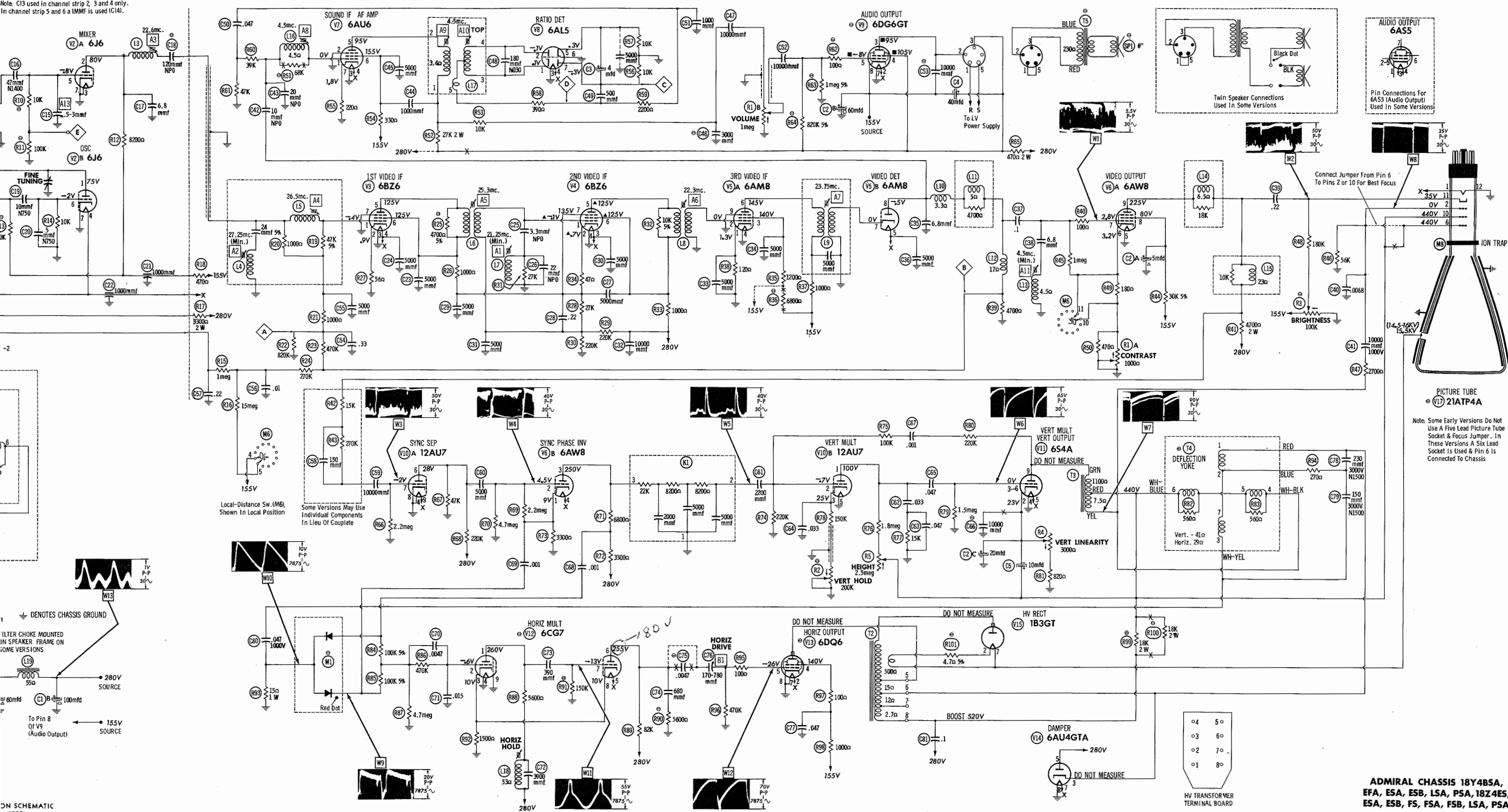
Remove 4 knobs  
Remove the met  
safety glass fro  
Pull out from be

**FOCUS**

The focus may l  
base of the pict  
pins 6 and 2 or  
focus consistent



Note: C13 used in channel strip 2, 3 and 4 only.  
In channel strip 5 and 6 a 1MFM is used (C14).



ADAMIRAL CHASSIS 18Y4BSA, EFA, ESA, ESB, LSA, PSA, 18Z4ES, ESB, FS, FSA, FSB, LSA, PSA

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6BZ7	† 3500Ω	280K	1Nf	0Ω	.1Ω	1Nf	1.2Meg	0Ω	0Ω
V2	6J6	■ 10K	■ 8600Ω	0Ω	.1Ω	110K	10K	0Ω		
V3	6BZ6	280K	56Ω	0Ω	.1Ω	▲ 1000Ω	▲ 1000Ω	0Ω		
V4	6BZ6	† 100K	▲ 47Ω	.1Ω	0Ω	† 1000Ω	† 1000Ω	† 120K		
V5	6AM8	120Ω	.4Ω	■ 8000Ω	0Ω	.1Ω	■ 1000Ω	.3Ω	4200Ω	0Ω
V6	6AW8	3200Ω	1.4Meg	† 10K	.1Ω	0Ω	● 450Ω	1Meg	■ 30K	† 4700Ω
V7	6AU6	85K	0Ω	0Ω	.1Ω	† 27K	■ 330Ω	220Ω		
V8	6AL5	1Nf	1Nf	0Ω	.1Ω	10K	0Ω	10K		
V9	6DG6GT	NC	.1Ω	† 750Ω	† 525Ω	1Meg	TP	0Ω	¶	
V10	12AU7	† 3Meg	220K	● 200K	0Ω	0Ω	† 60K	2.2Meg	0Ω	.1Ω
V11	6S4A	NC	● 1500Ω	1.5Meg	0Ω	.1Ω	1.5Meg	NC	NC	† 10K
V12	6CG7	† 5700Ω	550K	1500Ω	0Ω	.1Ω	† 82K	150K	1500Ω	0Ω
V13	6DQ6	TP	.1Ω	TP	■ 1100Ω	470K	TP	0Ω	0Ω	TOP CAP † 15Ω
V14	6AU4GTA	NC	NC	¶	NC	† 55Ω	NC	.1Ω	0Ω	
V15	1B3GT	PINS 1 THRU 8 HAVE INFINITE RESISTANCE								TOP CAP † 515Ω
V16	5U4GB	NC	¶	NC	27Ω	NC	25Ω	NC	¶	
V17	21ATP4A	1Ω	56K	Pin 6 † 9000Ω	Pin 10 † 9000Ω	Pin 11 ● 190K	Pin 12 0Ω			

UNIT MOUNTED AT BOTTOM FRONT OF CABINET

LOCAL-DISTANT SWITCH

BRIGHTNESS

VERT HOLD

CONTRAST

OFF-ON VOL

UNIT MOUNTED AT UPPER RIGHT IN CABINET (REAR VIEW)

V2 6X05 (6X06)

V1 6X05 (6X06)

V3 6X05 (6X06)

V4 6X25

V5 6A6B

V6 50A08

V7 21AT4A

V8 6A5A

V9 6X07 (6A5S)

V10 6X07

V11 6X07

V12 6X07

V13 6X07

V14 6X07

V15 18X3T

V16 6A5A

V17 6C07

V18 6A5A

V19 6X07

V20 6X07

V21 6X07

V22 6X07

V23 6X07

V24 6X07

V25 6X07

V26 6X07

V27 6X07

V28 6X07

V29 6X07

V30 6X07

V31 6X07

V32 6X07

V33 6X07

V34 6X07

V35 6X07

V36 6X07

V37 6X07

V38 6X07

V39 6X07

V40 6X07

V41 6X07

V42 6X07

V43 6X07

V44 6X07

V45 6X07

V46 6X07

V47 6X07

V48 6X07

V49 6X07

V50 6X07

V51 6X07

V52 6X07

V53 6X07

V54 6X07

V55 6X07

V56 6X07

V57 6X07

V58 6X07

V59 6X07

V60 6X07

V61 6X07

V62 6X07

V63 6X07

V64 6X07

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V66 6X07

V67 6X07

V68 6X07

V69 6X07

V70 6X07

V71 6X07

V72 6X07

V73 6X07

V74 6X07

V75 6X07

V76 6X07

V77 6X07

V78 6X07

V79 6X07

V80 6X07

V81 6X07

V82 6X07

V83 6X07

V84 6X07

V85 6X07

V86 6X07

V87 6X07

V88 6X07

V89 6X07

V90 6X07

V91 6X07

V92 6X07

V93 6X07

V94 6X07

V95 6X07

V96 6X07

V97 6X07

V98 6X07

V99 6X07

V100 6X07

Yoke

PICTURE TUBE

HORIZ OUTPUT

HORIZ

VERT LIN.

HORIZ DRIVE

SPEAKER SOCKET

1ST VIDEO IF

2ND VIDEO IF

3RD VIDEO IF VIDEO DET.

PICTURE TUBE

SOUND

SOUND IF RF AMP

RF AMP

CHANNEL SELECTOR

FINE TUNING

BOTTOM VIEW

12AU7 USED IN SOME VERSIONS  
TUBES ARE NOT INTERCHANGEABLE

V12 6X07

V11 6X07

V10 6X07

V9 6X07

V8 6A5A

V7 21AT4A

V6 50A08

V5 6A6B

V4 6X25

V3 6X05 (6X06)

V2 6X05 (6X06)

V1 6X05 (6X06)

V15 18X3T

V14 6AU6A

V13 6X25

V12 6X07

V11 6X07

V10 6X07

V9 6X07

V8 6A5A

V7 21AT4A

V6 50A08

V5 6A6B

V4 6X25

V3 6X05 (6X06)

V2 6X05 (6X06)

V1 6X05 (6X06)

V15 18X3T

V14 6AU6A

V13 6X25

V12 6X07

V11 6X07

V10 6X07

V9 6X07

V8 6A5A

V7 21AT4A

V6 50A08

V5 6A6B

V4 6X25

V3 6X05 (6X06)

V2 6X05 (6X06)

V1 6X05 (6X06)

V15 18X3T

V14 6AU6A

V13 6X25

V12 6X07

V11 6X07

V10 6X07

V9 6X07

V8 6A5A

V7 21AT4A

V6 50A08

V5 6A6B

V4 6X25

V3 6X05 (6X06)

V2 6X05 (6X06)

V1 6X05 (6X06)

V15 18X3T

V14 6AU6A

V13 6X25

V12 6X07

V11 6X07

V10 6X07

V9 6X07

V8 6A5A

V7 21AT4A

V6 50A08

V5 6A6B

V

**PAGE 10**

CHANNEL SELECTOR

FINE TUNING

V2  
6X5  
METER OSC

V1  
6B27  
RF AMP

UNIT MOUNTED AT BOTTOM FRONT OF CABINET  
LOCAL-DISTANT SWITCH

VERT HOLD

BRIGHTNESS

CONTRAST

CIT-ON VOL.

UNIT MOUNTED AT UPPER RIGHT IN CABINET  
(NEARS VIEW)

INDICATES BLANK PIN OR LOCATING KEY ON TUBE SOCKET

**TOP VIEW**

V3  
6B2A  
1ST VIDEO IF

V4  
6B2A  
2ND VIDEO IF

V5  
6A6M  
3RD VIDEO IF  
VIDEO DET

SOUND

V7  
6AU6  
SOUND IF  
AF AMP

RATIO DET

V8  
6AL5

V9  
6X50GT  
(6A55)  
AUDIO OUTPUT

V14  
6AU6GT  
DIAMPER

V13  
6B6C  
(6C65)  
HORIZ OUTPUT

V15  
18XCT  
HV RECT

V16  
5Y4G5  
LV RECT

Yoke  
V17  
3121A74A  
12AL4\* (60+4)  
PICTURE TUBE

12AL4\* (60+4)  
PICTURE TUBE

SPEAKER SOCKET

V6  
6A6M  
VIDEO OUTPUT  
SYNC PHASE INV

V10  
12AU7  
SYNC SEP  
VERT MULT

V11  
6A6M  
VERT MULT  
VERT OUTPUT

V12  
6C37  
HORIZ MULT

V13  
HORIZ FREQ. ADJ.

V1  
6AL5  
DUAL DIODE -  
HORIZ AFC

12AU7 USED IN SOME VERSIONS  
TUBES ARE NOT INTERCHANGEABLE.

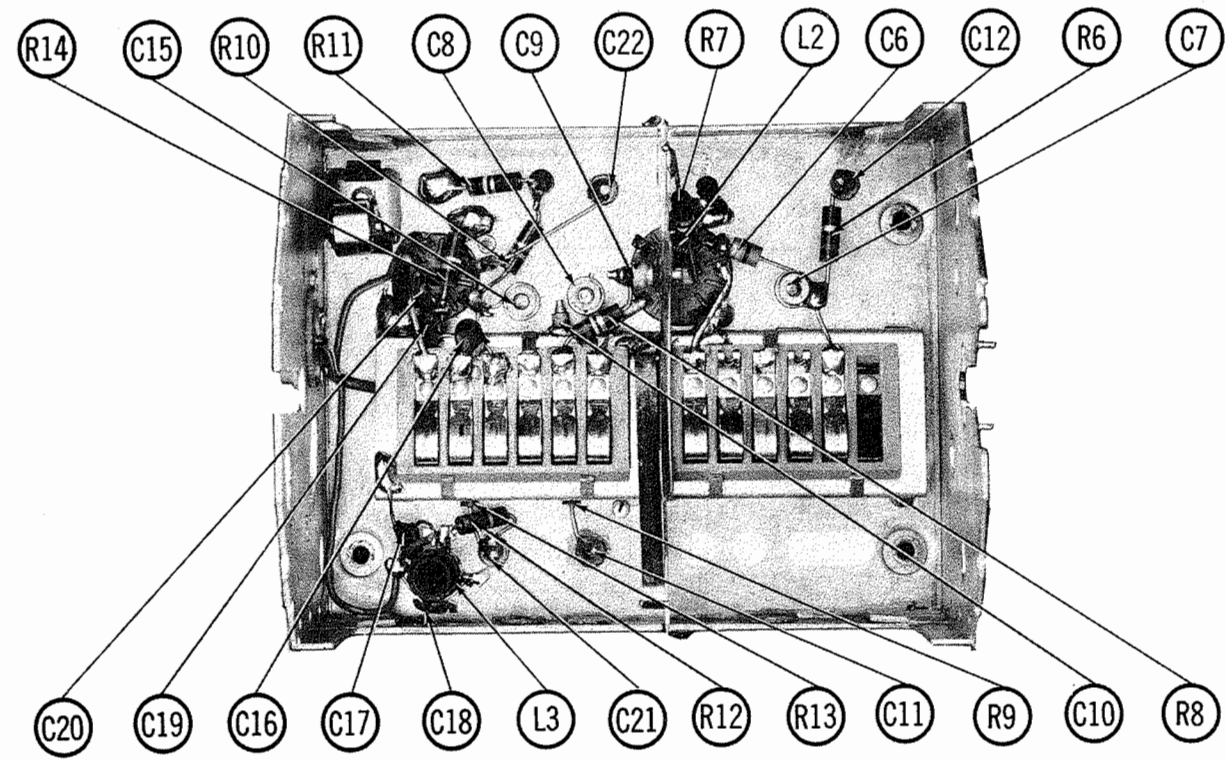
FUSE - R-4  
(3AG - 1/2A - 125V - SLO-BLO)

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.

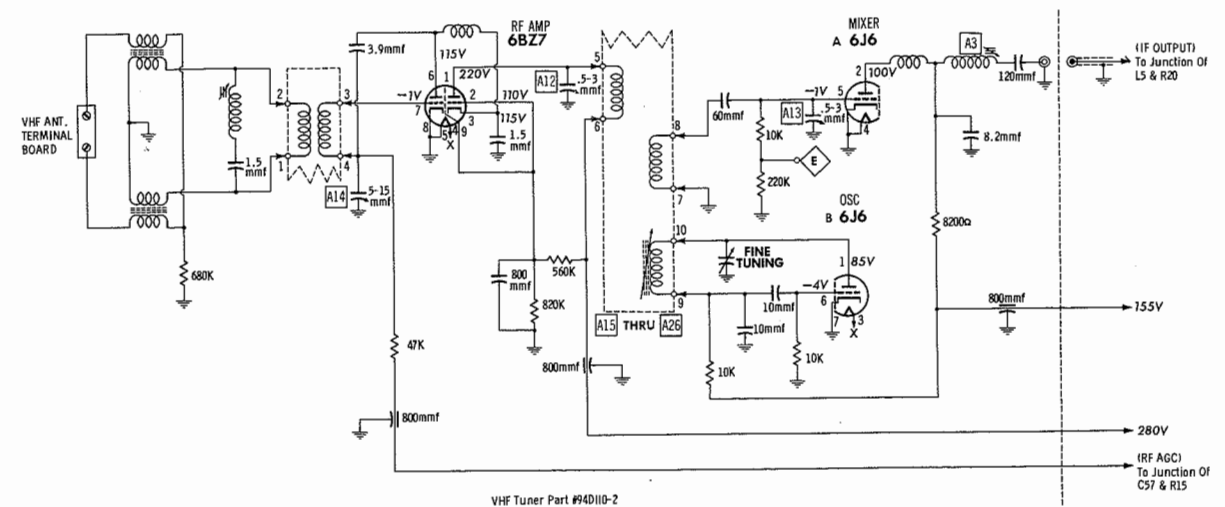
LOSS OF PICTURE OR SOUND  
No pic, no sound, has raster - V3, V4, V5, V9  
No pic, no sound, has snow - V1, V2, V3, V9  
No pic, has sound, has raster - V6, V17, V9  
Has pic, no sound - V7, V8, V9

**SWEEP FAILURE**  
No raster, has sound - M1, V12, V13, V14, V15, V17, V9  
No vertical deflection - V10, V11  
Poor vert. linearity or foldover - V10, V11  
Poor horiz. linearity or foldover - V12, V13, V14, V9  
Narrow picture - V12, V13, V14, V9, V16  
Vert. off freq. - V10, V11  
Horiz. off freq. - V12

**ADMIRAL CHASSIS 18Y4BSA,  
EFA, ESA, ESB, LSA, PSA, 18Z4ES,  
ESA, ESB, FS, FSA, FSB, LSA, PSA**

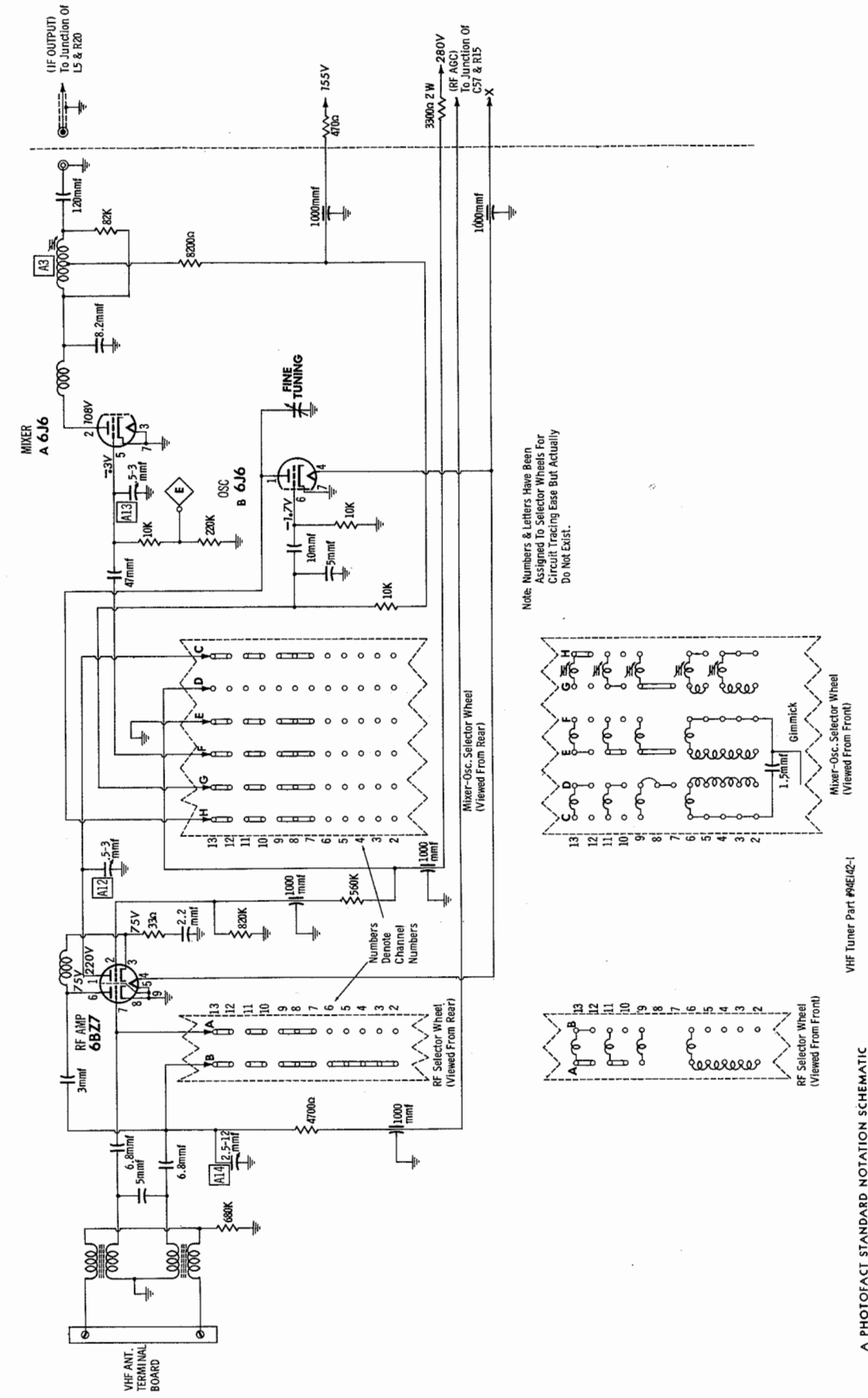


RF TUNER BOTTOM VIEW



A PHOTOFACT STANDARD NOTATION SCHEMATIC  
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ALTERNATE VHF TUNER SCHEMATIC

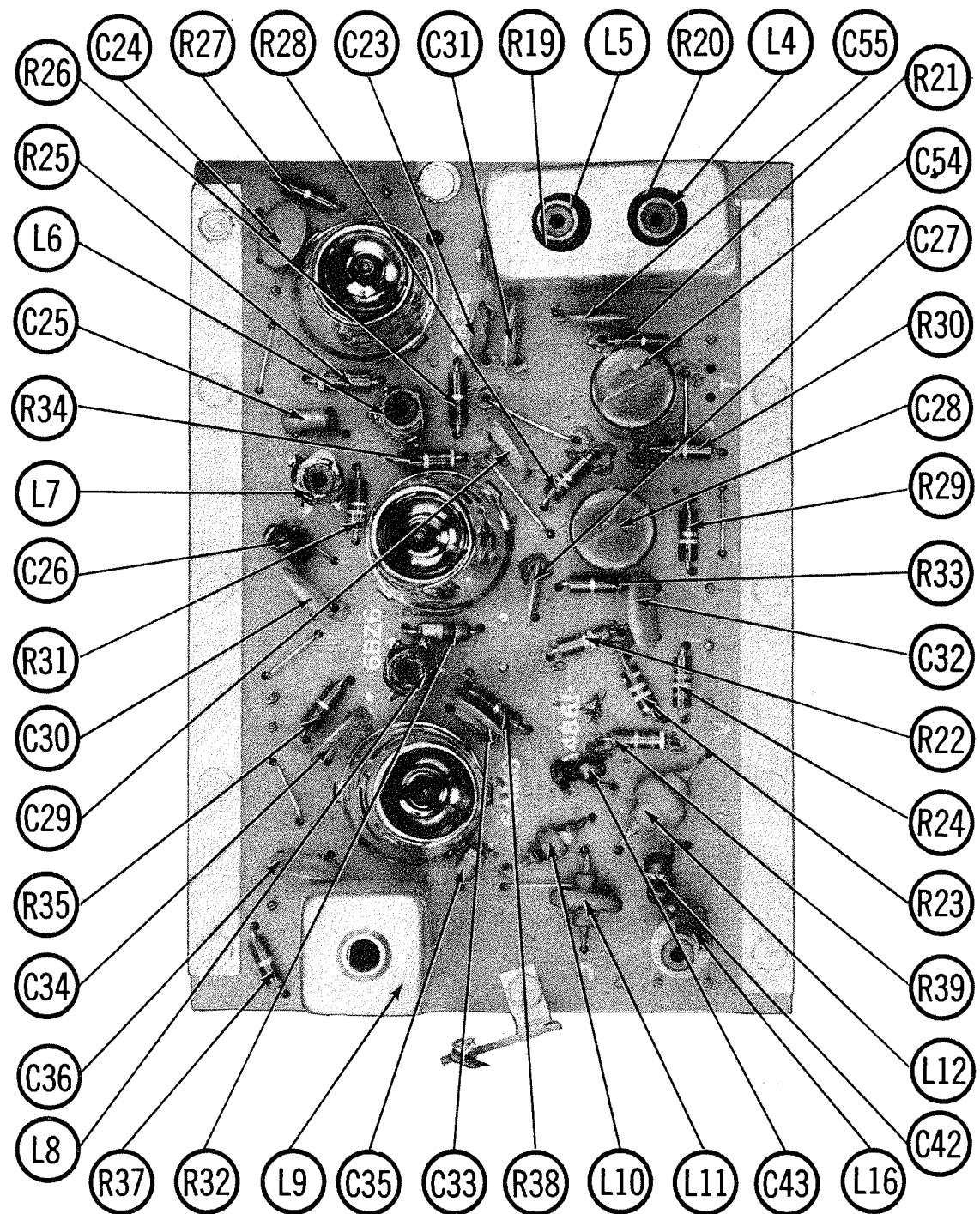


Note: Numbers & Letters Have Been Assigned To Selector Wheels For Circuit Tracing Ease But Actually Do Not Exist.

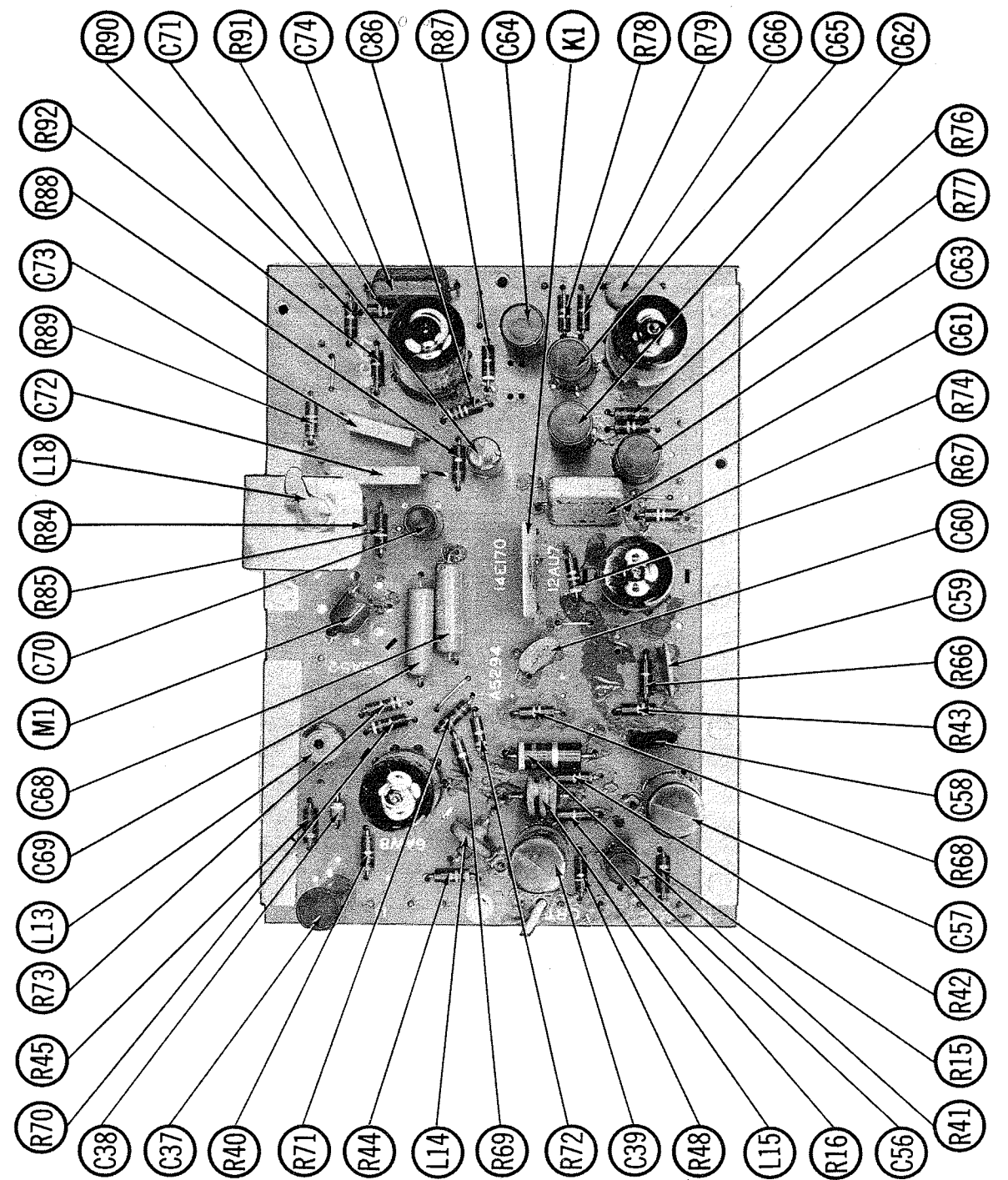
VHF Tuner Part #94E10-2

A PHOTOFACT STANDARD NOTATION SCHEMATIC  
© Howard W. Sams & Co., Inc. 1957

ADMIRAL CHASSIS 18Y4BSA, EFA, ESA, ESB, LSA, PSA,  
18Z4ES, ESA, ESB, FS, FSA, FSB, LSA, PSA  
C14W4EHS RENUL FHA ETANRELT



VIDEO IF PRINTED BOARD



SET 360 FOLDER 2

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

The High Voltage lead should be securely taped and kept away from the chassis.

Allow a 20 minute warm-up period for the receiver and test equipment.

VIDEO IF ALIGNMENT

Remove the mixer-osc. tube (V2) from its socket and replace with a 6J8 having pin 1 removed.

Disconnect antenna leads and connect a short jumper across the antenna terminals.

Turn the contrast control fully counter clockwise.

Connect the negative lead of a 3 volts bias supply to point Ⓢ. Positive to chassis.

For steps 1 and 2 use a strong signal from the generator but for all other steps, Use only enough generator output to provide usable indication on VTVM. Use lowest scale on VTVM.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
Direct	High side to an ungrounded tube shield floating over dummy mixer-osc. tube. Low side to chassis.	21.25MC (Unmod)	Any non-interfering channel	DC probe thru decoupling network (Fig. 1) to point Ⓢ. Common to chassis.	A1	Adjust for MINIMUM deflection.
"	"	27.25MC	"	"	A2	"
"	"	22.6MC	"	"	A3	Adjust for maximum deflection.
"	"	26.5MC	"	"	A4	"
"	"	25.3MC	"	"	A5	"
"	"	22.3MC	"	"	A6	"
"	"	23.75MC	"	"	A7	"

OVERALL VIDEO IF RESPONSE CHECK

Connect bias as under "Video IF Alignment".

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
Direct	High side to ungrounded tube shield floating over dummy mixer-osc. tube. Low side to chassis.	23.0MC (10MC Swp)	21.25MC 22.0MC 23.0MC 25.0MC 25.75MC	Any non-interfering channel	Vert. Amp. thru decoupling network (Fig. 1) to point Ⓢ. Low side to chassis.		Check for response similar to Fig. 2. If necessary, retouch A1 thru A7 to obtain desired response. Adjust A4 and A5 for position of 25.75MC marker and amplitude of response curve on high frequency side. Adjust A3 and A6 for position of 22MC and 23MC markers and amplitude of response curve on low frequency side.

SOUND IF ALIGNMENT

Disconnect antenna and connect a short jumper across antenna terminals.

Set contrast control fully counter clockwise.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
.01MFD	High side to pin 8 (plate) of 6AM8 (V3). Low side to chassis.	4.5MC (Unmod)	Any non-interfering channel	DC probe to point Ⓢ. Common to chassis.	A8, A9	Use only enough generator output to provide usable indication on VTVM.
"	"	"	"	DC probe to point Ⓢ. Common to chassis.	A10	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

4.5MC TRAP ALIGNMENT

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
.01MFD	High side to pin 8 (plate) of 6AM8 (V3). Low side to chassis.	4.5MC (Unmod)	Any non-interfering channel	DC probe to point Ⓢ. Common to chassis.	A11	Connect a very short jumper across L11. Use lowest scale on VTVM. Adjust for MINIMUM deflection.

4.5MC TRAP ALIGNMENT USING ON THE AIR SIGNAL

Tune in a strong station and adjust the fine tuning until a beat pattern appears in the picture. Adjust A11 for MINIMUM beat pattern while observing the picture.

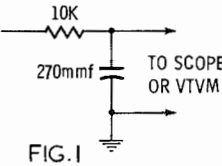


FIG. 1

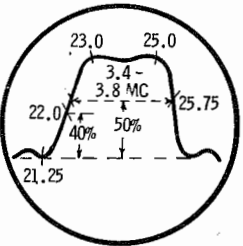


FIG. 2

ALIGNMENT INSTRUCTIONS (cont)

RF AND MIXER ALIGNMENT

Connect bias as under "Video IF Alignment". Allow a 20 minute warm-up period for the 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
12. Two 120Ω Carbon Resistors	Across antenna terminals with 120Ω in each lead.	195MC (10MC Swp)	193.25MC 197.75MC	10	Vert. Amp. thru 10K to point Ⓢ. Low side to chassis.	A12, A13	Adjust for response curve similar to Fig. 3 with markers above 90%.
13. "	"	85MC (10MC Swp)	83.25MC 97.75MC	6	"	A14	Adjust for response curve similar to Fig. 3. Adjust for maximum amplitude and flat-topped appearance with markers properly positioned.
14. "	"	213MC (10MC Swp) 207MC (10MC Swp) 201MC (10MC Swp) 189MC (10MC Swp) 183MC (10MC Swp) 177MC (10MC Swp) 79MC (10MC Swp) 69MC (10MC Swp) 63MC (10MC Swp) 57MC (10MC Swp)	211.25MC 215.75MC 205.25MC 209.75MC 199.25MC 203.75MC 187.25MC 191.75MC 181.25MC 185.75MC 175.25MC 179.75MC 77.25MC 81.75MC 67.25MC 71.75MC 61.25MC 65.75MC 55.25MC 59.75MC	13 12 11 9 8 7 5 4 3 2	"		Check for response curve similar to Fig. 3. If markers fall below 70% on any high band channel, make compromise adjustment of A12 and A10 with channel switch set to that channel. If markers fall below 70% on any low band channel, make compromise adjustment of A14 with channel selector set to that channel. Check all other channels to see that they have not been seriously affected.
OSCILLATOR ALIGNMENT FOR TUNERS #94DI00, -1, -2 & 94DI10-2							
Connect bias as under "Video IF Alignment". Allow a 20 minute warm-up period for the 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
15. Two 120Ω Carbon Resistors	Across antenna terminals with 120Ω in each lead.	213MC (10MC Swp) 207MC (10MC Swp) 201MC (10MC Swp) 195MC (10MC Swp) 189MC (10MC Swp) 183MC (10MC Swp) 177MC (10MC Swp) 85MC (10MC Swp) 79MC (10MC Swp) 69MC (10MC Swp) 63MC (10MC Swp) 57MC (10MC Swp)	211.25MC 215.75MC 205.25MC 209.75MC 199.25MC 203.75MC 187.25MC 191.75MC 181.25MC 185.75MC 175.25MC 179.75MC 83.25MC 87.75MC 77.25MC 81.75MC 67.25MC 71.75MC 61.25MC 65.75MC 55.25MC 59.75MC	13 12 11 10 9 8 7 6 5 4 3 2	Vert. Amp. thru 47K to point Ⓢ. Low side to chassis.	A15 A16 A17 A18 A19 A20 A21 A22 A23 A24 A25 A26	Adjust to place sound marker in trap notch as in Fig. 4. Video marker should fall at 50%.
OSCILLATOR ALIGNMENT FOR TUNER #94EI42-1							
1. Turn the set on and allow 15 to 20 minute warm-up. 2. Set channel selector to the lowest channel operating in the area. 3. Set the fine tuning control to the center of its range. 4. Set other controls for normal picture and sound. 5. Remove channel selector, fine tuning knob and gold retainer disk, under the knobs, if used. 6. Using a 1/8" blade, non-metallic tool carefully adjust the channel slug for best picture and sound. (NOTE: This may not be point at which the sound is loudest). If two slugs are visible at the front of the tuner, adjust the top one. Repeat this procedure for the remaining stations, adjusting them in order of the channel number from the lowest to the highest.							

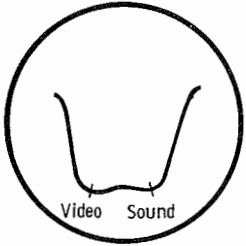


FIG. 3

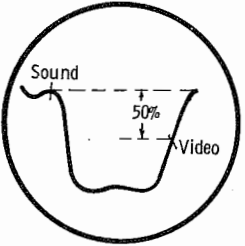


FIG. 4

ADMIRAL CHASSIS 18Y4BSA,  
EFA, ESA, ESB, LSA, PSA, 18Z4ES,  
ESA, ESB, FS, FSA, FSB, LSA, PSA



PARTS LIST AND DESCRIPTIONS (Continued)  
COILS (cont)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		ADMIRAL PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	
L10	Series Peaking Coil	73A24-2	19-3036	TV-180	6178	35 Microhenries 188 Microhenries; Wound on 4700Ω resistor.
L11	Series Peaking Coil	73B5-26	19-3180*	TV-184*	6180*	
L12	Shunt Peaking Coil	73B5-25	19-3500		6174	254 Microhenries; Wound on 18K resistor.
L13	4.5MC Trap	72C132-1				
L14	Series Peaking Coil	73B5-14	19-3250▲	TV-185▲	6181▲	790 Microhenries; Wound on 10K resistor.
L15	Shunt Peaking Coil	73A11-1			6156■	
L16	Sound IF	72C132-1				Tertiary winding = . 7Ω
L17	Ratio Det.	72C68-2	17-1033	TV-110	1498	

\* Parallel with 4700Ω resistor.  
▲ Parallel with 18K resistor.  
■ Parallel with 10K resistor.

TRANSFORMER (HORIZ. OSC.)

ITEM No.	DC RES.		REPLACEMENT DATA							NOTES
	PRI.	SEC.	ADMIRAL PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	RCA TYPE No.	Ram PART No.	Thordorson PART No.	
L18	53Ω		94C17-4		TV-164					

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA					
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (0 CURRENT 1000 ~)	ADMIRAL PART No.	Halldorson PART No.	Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
L19	.220A	55Ω	1.3HY	74B18-13	C5037 ①	C-2996①	C-2328①	28C44 ①	C-24X

① Drill one new mounting hole.

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	ADMIRAL PART No.	REPLACEMENT DATA
K1	Vertical Intergrator	2000MMF, 5000MMF, 5000MMF, 22K, 8200Ω, 8200Ω	63C9-1	Aerovox PA-110 Centralab PC-100 Cornell-Dubilier 115TM1 Erie 1405-01 Sprague V-1

RECTIFIERS

ITEM No.	RATING		REPLACEMENT DATA					
	CURRENT (Measured)		ADMIRAL PART No.	FEDERAL PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL PART No.	MALLORY PART No.	RADIO RECEPTOR PART No.
M1			93A5-2 ① ③	1215 ① ②		1T1 ① ②		

① Selenium type, horiz. phase detector.  
② 2 Required.

③ Used in chassis 18Z4ESB, 18Z4FSB stamped run 10-13; chassis 18Y4LSA, 18Y4EFA, 18Y4PSA stamped run 19 and higher; chassis 18Y4BSA stamped run 18; chassis 18Z4ESA, 18Z4PSA, 18Z4ES, 18Z4FS, 18Z4FSA, 18Z4LSA stamped run 10-13; (chassis 18Z4ESB, 18Z4FSB stamped run 14; chassis 18Y4ESA stamped run 18 & lower; chassis 18Y4BSA stamped run 19; chassis 18Z4ESA, 18Z4PSA, 18Z4ES, 18Z4FS, 18Z4FSA, 18Z4LSA stamped run 14 use 6AL5 tube in this application).

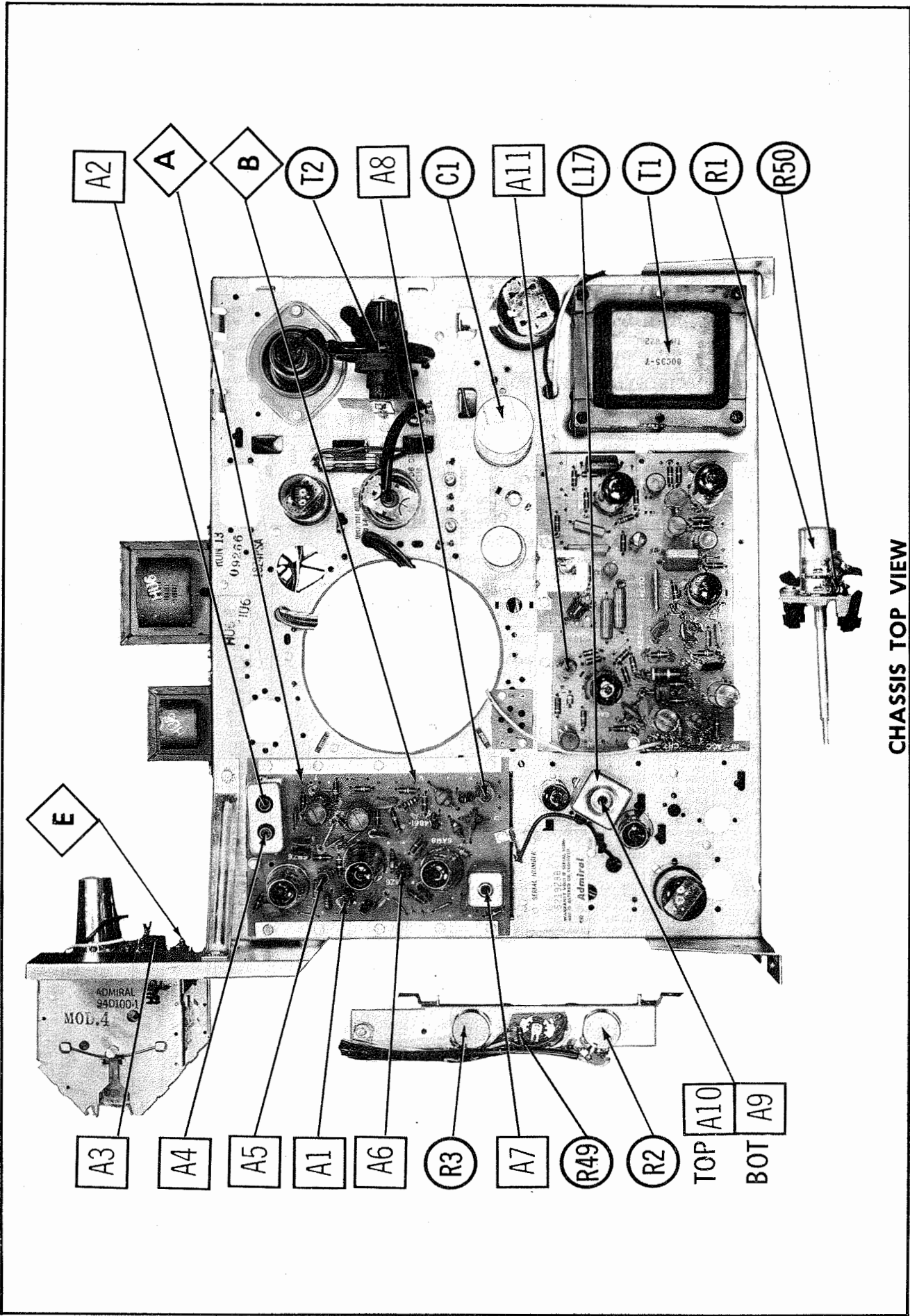
FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			ADMIRAL PART No.		LITTELFUSE PART No.		BUSS PART No.	
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER
M2	3AG	1/2A 125V S/B	84A1-3*	84A5-4	313.500 (3AG-3A-S/B)	357001	MDL 1/2	4405

\* Not used in early versions.

MISCELLANEOUS

ITEM No.	PART NAME	ADMIRAL PART No.	NOTES
M3	Dial Light	81A1-12	#51-Not used in some versions. VHF, Used in chassis 18Z4PSA. VHF, Used in chassis 18Y4ESA, EFA, PSA, LSA, BSA (Run 18, 19) VHF, Used in chassis 18Z4ESA, FSA, LSA, PSA. VHF, Used in chassis 18Z4ESB, FSB stamped run 13-15. VHF, Used in chassis 18Z4ES, FS.
M4	Tuner	94D100-1	
	Tuner	94D100	
	Tuner	94D100-2	
	Tuner	94E142-1	
M5	Tuner	94D110-2	Includes Colls and Caps. Local-Distance, Rotary Wafer Type. Includes Rear Yoke Cover.
	Ant. Matching		
M6	Network	AB313	
M7	Switch	76A31-1	
M8	Centering Device	94B121-1	
	Ion Trap	94A15-4	Video IF Sync, Used with 6CG7, Alt. part #A4864-2 used with 12AU7.
	Yoke Clamp	19A112-3	
	Printed Board	A4861-4	
	Printed Board	A5294	
	Focus Jumper	18A134	Not used in some versions.
	Sync Couplate	63C64	



ADMIRAL CHASSIS 18Y4BSA, EFA, ESA, ESB, LSA, PSA,  
18Z4ES, FSA, FS, FSA, FSB, LSA, PSA,  
MAIN DO1 S15VHC