

FADA MODELS S6C55, S6C70, S6T65, S7C70, S7T65, S9C10, S1055, S1055X, S1060, S1065

FADA MODEL S7C70		
TRADE NAME	Fada, Models S6C55, S6C70, S6T65, S7C70, S7T65, S9C10, S1055, X, S1060, S1065	
MANUFACTURER	Fada Radio And Electric Co., Inc., 525 Main St., Belleville, N. J.	
TYPE SET	Television Receiver	
TUBES	Twenty Two	
POWER SUPPLY	110-120 Volts AC - 60 Cycle	RATING 2.25 Amp. @ 117 Volts AC
TUNING RANGE	Channels 2 thru 13	

INDEX	
Alignment Instructions	6
Disassembly Instructions	11
Drive Cord Stringing	7
Horizontal Sweep Circuit Adjustments	10
Parts List And Description	12, 13, 15
Photographs	
Cabinet - Rear View	10
Capacitor And Alignment Identifications	4, 9
Photographs (Continued)	
Chassis - Top View	3
RF Tuner	7
Resistor And Inductor Identifications	11, 14
Schematic	2
Tube Placement Chart	5
Voltage And Resistance Measurements	8

HOWARD W. SAMS & CO., INC. • Indianapolis 1, Indiana

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DATE 5-51

SET 134

FOLDER 7

PARTS LIST AND DESCRIPTIONS (Continued)
TRANSFORMER (SWEEP CIRCUITS)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	DC RESISTANCE		FADA PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
	PRI.	SEC.					
T2	200Ω	1040Ω	42.53	A-8111	A-3000	TB0-1 ①	Vert. Block Osc. Trans. Horiz. Output Trans.
T3	275Ω	.5Ω	37.255 ②				
	Tap 28.5Ω	SEC. 2	37.247 ③				
		4Ω					
		Tap 3.4Ω					
		SEC. 3					
		0Ω					
T4	1060Ω		42.62	A-8112	A-3039 ①		Vert. Output Trans. Horiz. Deflection Coil Vert. Deflection Coil
T5A	Tap 12Ω		37.256	DY-7	MDF-70		
B	12Ω		37.249 ④				
T6	46.5Ω		37.251 ⑤				Focus Coil
	750Ω						

- ① Drill one new mounting hole.
② Used with rectangular tubes.
③ Used with round tubes.
④ May be used in early production models
⑤ Used in some models.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE		DC RES.		FADA PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
	PRI.	SEC.	PRI.	SEC.					
T7	4.5KΩ	3.7Ω	375Ω	.4Ω	42.57	A-3878	A-2931	R0-13	① Drill one new mounting hole

FILTER CHOKE

ITEM No.	RATINGS		REPLACEMENT DATA				INSTALLATION NOTES	
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (0 CURRENT 1000 ω)	FADA PART No.	STANCOR PART No.	MERIT PART No.		CHICAGO PART No.
L1	.250Amp.	65 Ω	3.2Henries	42.56	C-2326 ①	C-2991	TR3300①	① Drill one new mounting hole.

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA			NOTES
		PRI.	SEC.	FADA	MEISSNER	IRC	
				PART No.	PART No.	PART No.	
L2	Ant. Coil	0Ω	0Ω				Part of Tuner Part #42.64
L3	Ant. Coil	0Ω					Part of Tuner Part #42.64
L4	RF Choke	.1Ω					Part of Tuner Part #42.64
L5	RF Coil						
L6	Primary	0Ω					High Band (Part of Tuner Part #42.64)
L7	RF Coil						
L8	Secondary	0Ω					High Band (Part of Tuner Part #42.64)
L9	RF Coil						Low Band (Part of Tuner Part #42.64)
L10	Primary	0Ω					Low Band (Part of Tuner Part #42.64)
L11	Band Pass						
L12	Coll	0Ω					Part of Tuner Part #42.64
L13	Fill. Choke	0Ω					Part of Tuner Part #42.64
L14	Osc. Coil	0Ω					High Band (Part of Tuner Part #42.64)
L15	Osc. Coil	0Ω					Low Band (Part of Tuner Part #42.64)
L16	1st. Video IF	1.1Ω					Part of Tuner Part #42.64
L17	Fill. Choke	0Ω		37.89			
L18	Fill. Choke	0Ω		37.89			
L19	2nd. Video IF	.2Ω		37.99			
L20	Fill. Choke	0Ω		37.89			
L21	RF Choke	1.6Ω		37.197			
L22	3rd. Video IF	.2Ω		37.99			
L23	Fill. Choke	0Ω		37.89			
L24	RF Choke	1.6Ω		37.197			
L25	4th. Video IF	.2Ω		37.99			
L26	Peaking	5Ω		37.234	19-1921		120 Microhenries (Red Dots)
L27	Peaking	19Ω		37.235	19-1921		600 Microhenries Blue-Yellow Dots
L28	Peaking	10Ω		37.236	19-1921		190 Microhenries-Wound on 18KΩ Resistor (Blue-Green Dots)
L29	Peaking	11.5Ω		37.237	19-1922		245 Microhenries (Blue-White Dots)
L30	Sound IF	2.2Ω	2.2Ω	37.252			
L31	Ratio Det.						
L32	Trans.	4.5Ω	2.2Ω	37.253			
L33	Horiz. Freq.	50Ω		37.233			
L34	Horiz. Lin	9Ω		37.250			
L35	Width Coil	2.5Ω		37.248			Tap at 3.7Ω
L36	Line Choke			37.134			Not Used in al. Models
L37	Line Choke			37.134			Not Used in al. Models

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA				REMARKS
			FADA PART No.		LITTELFUSE PART No.		
			FUSE	HOLDER	FUSE	HOLDER	
M1	3AG Pigtail	.250A	122.32		318.250		

MISCELLANEOUS

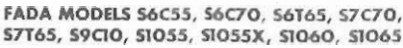
ITEM No.	PART NAME	FADA PART No.	NOTES
M2A	RF Tuner	42.64	
B	RF Tuner	42.55	Alternate
M3	Ion Trap	112.23	
M4	Focus Magnet	112.26	Some Models use Focus Coil Part No. 37.251 (750Ω Resistance)
B2	Trimmer	132.18	Horiz. Drive (25-280MMF)
	Safety Glass	92.393	Model S1055
	Safety Glass	92.396	Model S1060
	Safety Glass	92.419	Model S6T65
	Mask	97.345	Models S1055, S6C55
	Mask	97.348	Model S1060
	Mask	97.355	Model S1065
	Knob	142.75	Channel Selector
	Knob	142.79	Station Indicator
	Knob	142.73	Band Selector Assembly Models: S1055, S1055X, S6C55, S6T65, S7T65, S1060
	Knob	142.78	Inner
	Knob	142.77	Outer

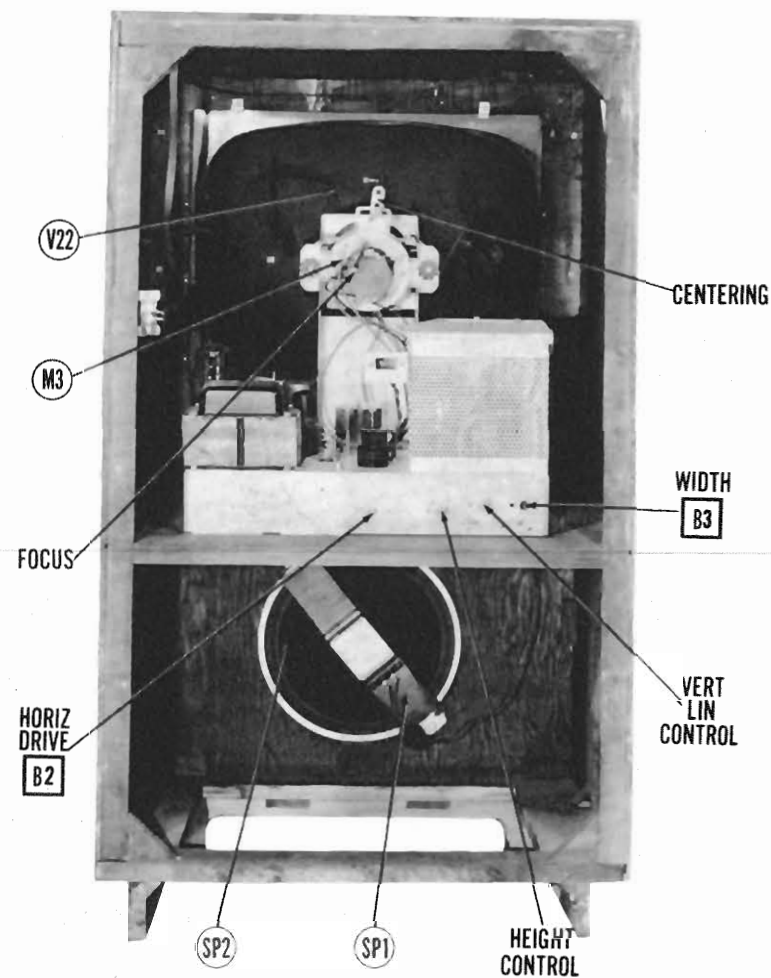
TRADE NAME
MANUFACTURER
TYPE SET
TUBES

POWER SUPPLY
TUNING RANGE

Alignment Instr.
Disassembly In
Drive Cord Stri
Horizontal Swee
Parts List And
Photographs
Cabinet - F
Capacitor

"The listing of any available
case a recommendation
as to the quality and su
parts have been compil
Inc., by the manufactur
"Reproduction or use,





CABINET-REAR VIEW

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

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

Turn the horizontal hold control to the mid-position of its range.

Adjust the horizontal frequency slug, (B1), until the picture synchronizes horizontally.

Adjust the horizontal drive trimmer, (B2), counter clockwise as far as possible without crowding the right half of the picture.

Adjust the width slug, (B3), until the picture fills the mask horizontally.

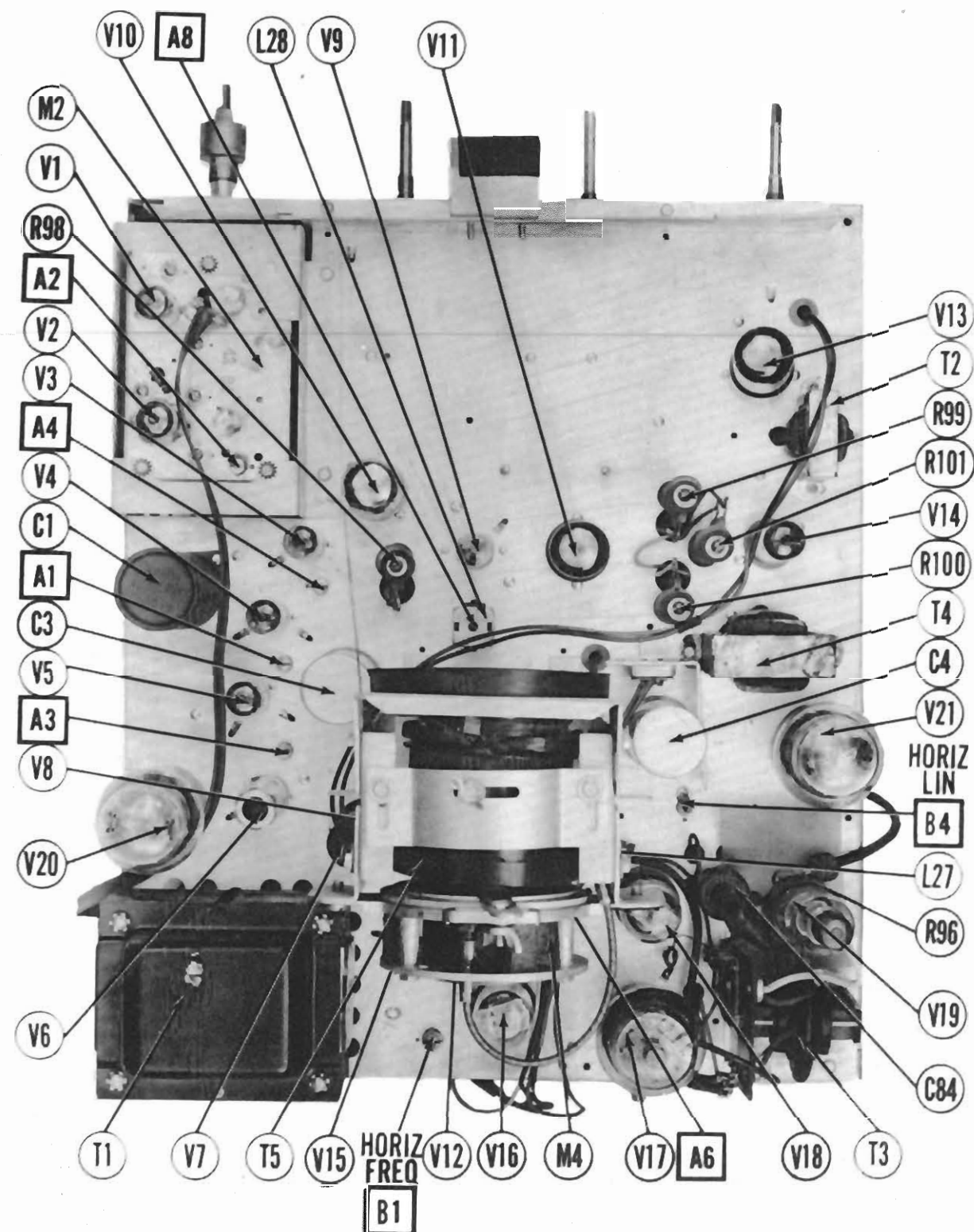
Adjust the horizontal linearity slug, (B4), until the picture is symmetrical from left to right.

Readjustment of B2 may be necessary to obtain optimum linearity.

DISASSEMBLY INSTRUCTIONS

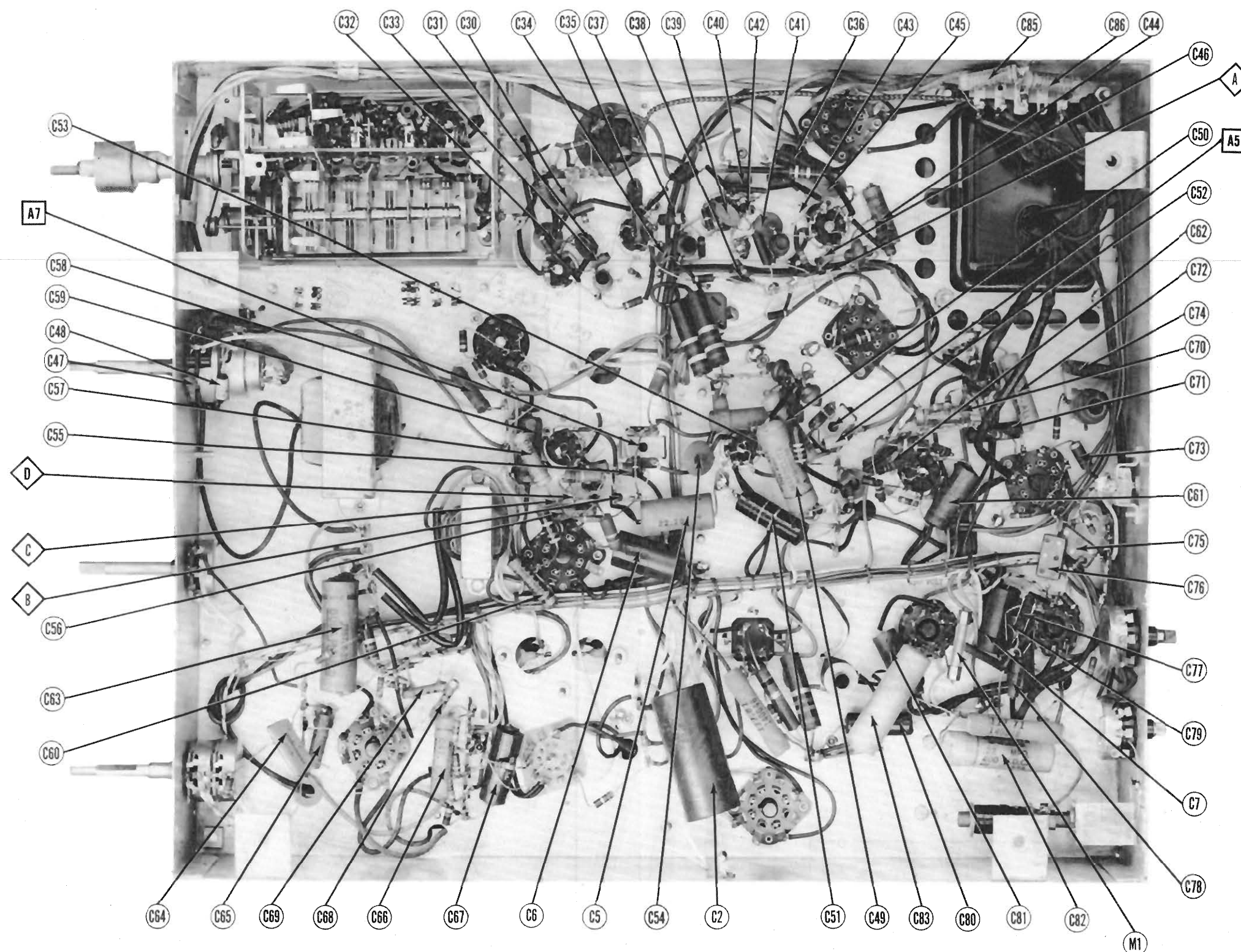
1. Remove eight push-on type control knobs.
2. Remove seven wood screws from rear cover. Remove rear cover.
3. Disconnect built-in antenna.
4. Remove antenna terminal strip.
5. Disconnect speaker.
6. Remove four hex head bolts from chassis. Remove chassis.
7. Remove one wood screw, and one hex nut from speaker. Remove speaker.

NOTE: FOR PICTURE TUBE REMOVAL, IT IS NECESSARY TO REMOVE THE CHASSIS AS OUTLINED ABOVE.



CHASSIS TOP VIEW

FADA MODELS 56C55, 56C70, 56T65, 57C70, 57T65, 59C10, 51055, 51055X, 51060, 51065



FADA MODELS S6C55, S6C70, S6T65, S7C70,
S7T65, S9C10, S1055, S1055X, S1060, S1065

CHASSIS BOTTOM VIEW-CAPACITOR AND ALIGNMENT IDENTIFICATION

VOLTAGE AND RESISTANCE MEASUREMENTS

VOLTAGE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6CB6	-0.6VDC	0V	0V	6.3VAC	100VDC	85VDC	0V		
V 2	6J6	70VDC	70VDC	6.3VAC	0V	2.6VDC	8-4.4VDC	0V		
V 3	6AU6	-0.5VDC	0V	6.3VAC	0V	100VDC	100VDC	5VDC		
V 4	6AU6	-0.5VDC	0V	6.3VAC	0V	100VDC	100VDC	5VDC		
V 5	6CB6	0V	1.3VDC	6.3VAC	0V	105VDC	75VDC	0V		
V 6	6AL5	0V	-0.8VDC	6.3VAC	0V	0V	-0.3VDC			
V 7	6AG7	0V	0V	0V	-0.4VDC	100VDC	6.3VAC	25VDC		
V 8	6AU6	-0.6VDC	0V	6.3VAC	0V	80VDC	80VDC	0V		
V 9	6AL5	-0.1VDC	0V	6.3VAC	0V	0V	-0.2VDC			
V 10	7B6	6.3VAC	65VDC	-0.0VDC	0V	0V	0V	0V		
V 11	6K6GT	0V	6.3VAC	200VDC	0V	0V	0V	20VDC		
V 12	12AU7	20VDC	-1.2VDC	0V	0V	0V	50VDC	0V	6.3VAC	
V 13	6SN7GT	5VDC	110VDC	25VDC	-4.5VDC	175VDC	0V	0V	6.3VAC	
V 14	6S4	0V	35VDC	0V	6.3VAC	0V	0V	0V	470VDC	
V 15	6AL5	4VDC	-3.2VDC	0V	6.3VAC	0V	0V	2VDC	330VDC	
V 16	6SN7GT	0VDC	300VDC	12VDC	-6.5VDC	155VDC	12VDC	0V	6.3VAC	
V 17	6CD6G	0V	6.3VAC	13VDC	-5VDC	-5VDC	0V	0V	125VDC	
V 18	6W4GT	0V	0V	55VDC	320VDC	310VDC	320VDC	1		
V 19	17BP4A	0V	0V	0V	0V	0V	0V	0V	0V	
V 20	3U4G	0V	400VDC	0V	370VAC	0V	370VAC	0V	400VDC	
V 21	3U4G	0V	400VDC	0V	370VAC	0V	370VAC	0V	400VDC	
V 22	17BP4A	0V	0V	0V	0V	0V	0V	0V	0V	

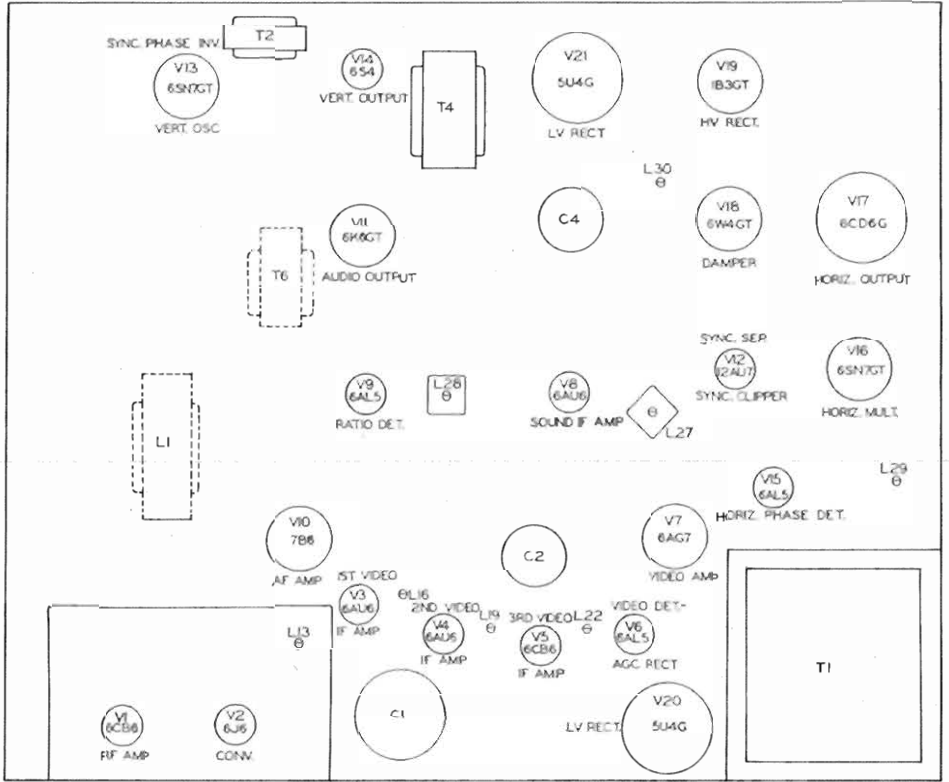
ALL MEASUREMENTS TAKEN WITH PICTURE TUBE REMOVED
* DO NOT MEASURE
† TAKEN WITH VACUUM TUBE VOLTMETER
‡ 6.3VAC MEASURED ACROSS FILAMENTS
• DO NOT MEASURE

RESISTANCE READINGS

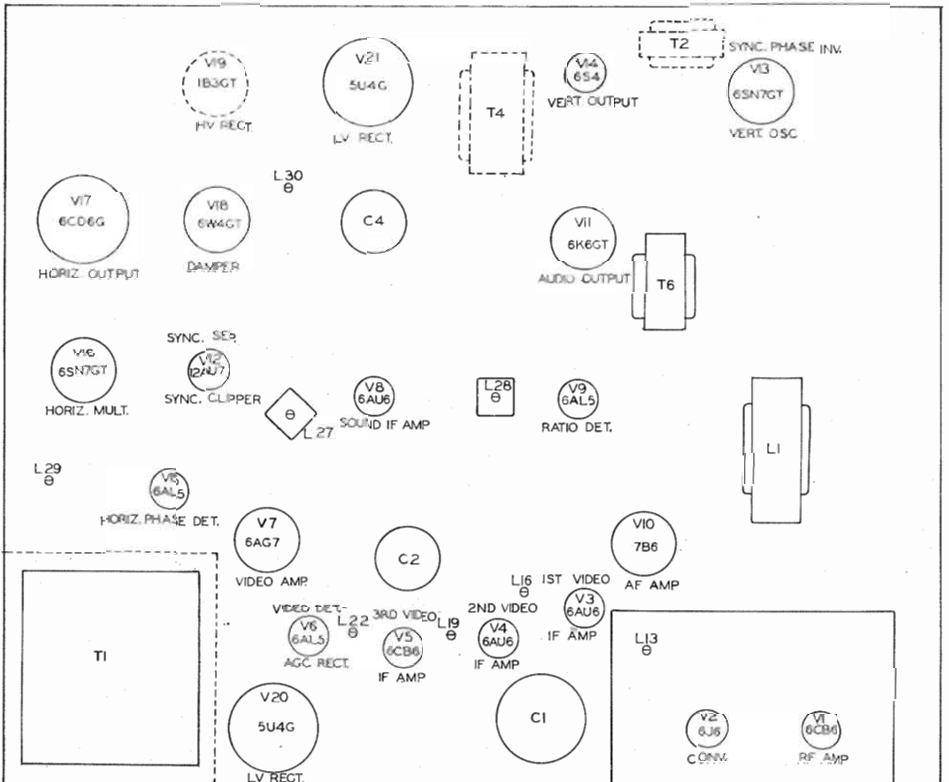
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1	6CB6	1.7Meg	0Ω	0Ω	1Ω	14KΩ	11KΩ	0Ω		
V 2	6J6	115KΩ	11KΩ	1Ω	0Ω	10KΩ	22KΩ	0Ω		
V 3	6AU6	1.7Meg	0Ω	1Ω	0Ω	13.9KΩ	13.9KΩ	82Ω		
V 4	6AU6	1.7Meg	0Ω	1Ω	0Ω	13.8KΩ	13.8KΩ	82Ω		
V 5	6CB6	2Ω	120Ω	1Ω	0Ω	13.7KΩ	14KΩ	0Ω		
V 6	6AL5	2Ω	680KΩ	1Ω	0Ω	0Ω	0Ω	8.2KΩ		
V 7	6AG7	0Ω	0Ω	0Ω	8.2KΩ	750Ω	16KΩ	1Ω	16KΩ	
V 8	6AU6	47KΩ	0Ω	1Ω	0Ω	19.3KΩ	0Ω	0Ω		
V 9	6AL5	Inf.	Inf.	1Ω	0Ω	0Ω	45KΩ	0Ω		
V 10	7B6	1Ω	1225KΩ	10Meg	0Ω	Inf.	Inf.	0Ω	0Ω	
V 11	6K6GT	Inf.	1Ω	11.5KΩ	470KΩ	Inf.	Inf.	0Ω	680Ω	
V 12	12AU7	115KΩ	1.8Meg	0Ω	0Ω	0Ω	140KΩ	1.8Meg	0Ω	1Ω
V 13	6SN7GT	6.8Meg	15.8KΩ	15KΩ	1.5Meg	42.3Meg	0Ω	0Ω	1Ω	
V 14	6S4	Inf.	330Ω	2.2Meg	1Ω	0Ω	2.2Meg	Inf.	Inf.	5.5KΩ
V 15	6AL5	4.8Meg	4.8Meg	1Ω	0Ω	6.8KΩ	0Ω	6.8KΩ	0Ω	
V 16	6SN7GT	5.2Meg	20KΩ	1.2KΩ	100KΩ	165KΩ	1.2KΩ	0Ω	1Ω	Top Cap #38Ω
V 17	6CD6G	Inf.	1Ω	100Ω	470KΩ	470KΩ	Inf.	0Ω	118KΩ	
V 18	6W4GT	Inf.	Inf.	100KΩ	1585Ω	1570Ω	1585Ω	Inf.	Inf.	Top Cap #285Ω
V 19	17BP4A	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	Inf.	
V 20	3U4G	Inf.	15KΩ	Inf.	22Ω	Inf.	22Ω	Inf.	15KΩ	
V 21	3U4G	Inf.	15KΩ	Inf.	22Ω	Inf.	22Ω	Inf.	15KΩ	
V 22	17BP4A	0Ω	0Ω	43.7Ω	225KΩ	1Ω	1Ω	1Ω	15KΩ	

ALL MEASUREMENTS TAKEN WITH PICTURE TUBE REMOVED
† MEASURED FROM PIN 2 OF V20
‡ MEASURED FROM PIN 3 OF V18

1. DC Voltage measurements are at 70,000 ohms per volt. AC Voltage measured at 1,000 ohms.
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. Front panels controls set at minimum.
6. Where readings may vary according to the setting of the service controls, both minimum and maximum readings are given.



TOP VIEW



BOTTOM VIEW

TUBE PLACEMENT CHART

FADA MODELS 56C55, 56C70, 56T65, 57C70, 57T65, 59C10, 51055, 51055X, 51060, 51065

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

The end of the high voltage lead should be securely taped and kept away from the chassis. Do not remove the horizontal oscillator to disable the high voltage.

VIDEO IF ALIGNMENT

Remove the converter tube, (V2), and replace it with a 6J6 which has pin 1 removed, this will disable the local oscillator and eliminate the possibility of erroneous indications.

In some versions of this chassis, R27 is not connected to chassis. In that event connect the VTVM across R27 and avoid grounding the VTVM case.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
1. Direct	High side to an ungrounded tube shield floating over dummy converter tube, (V2). Low side to chassis.	23.4MC (Unmod.)	Any	DC probe to Point \diamond . Common to chassis. (See instructions above).	A1, A2	Adjust for maximum deflection.
2. "	"	25.7MC	"	"	A3, A4	"

OVERALL VIDEO IF RESPONSE CHECK

Connect the synchronized sweep voltage from the signal generator to the horizontal input of the oscilloscope for horizontal deflection.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
3. Direct	High side to an ungrounded tube shield floating over dummy converter tube, (V2). Low side to chassis.	24MC (10MC SWP)	21.6MC 23.8MC 26.1MC	Any	Vert. amp. to Point \diamond . Low side to chassis.		Check for response curve similar to figure 1. If necessary retouch A1 thru A4 for proper response.

SOUND IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
4. .005MFD	High side to Pin 4 (grid) of 6AC7, (V7). Low side to chassis.	4.5MC (Unmod.)	Any	DC probe to Point \diamond . Common to chassis.	A5, A6, A7	Adjust for maximum deflection.
5. "	"	"	"	DC probe to Point \diamond . Common to Point \diamond .	A8	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

SOUND IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE

Use frequency modulated signal with 60% modulation and 450KC sweep. Use 120% sawtooth voltage in scope for horizontal deflection.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
4. .005MFD	High side to Pin 4 (grid) of 6AC7, (V7). Low side to chassis.	4.5MC (450KC SWP)	4.5MC	Any	Vert. amp. to Point \diamond . Low side to chassis.	A5, A6, A7	Disconnect stabilizer capacitor C5. Adjust for maximum amplitude and symmetry as per figure 2.
5. "	"	"	"	"	Vert. amp. to Point \diamond . Low side to chassis.	A8	Reconnect capacitor C5. Adjust A8 so 4.5MC occurs at center of crossover lines as per figure 2. SLIGHTLY retouch A7 for maximum amplitude and straightness of crossover lines.

THE TUNER PORTION OF THIS RECEIVER HAS BEEN PROPERLY ALIGNED AT THE FACTORY AND IS VERY STABLE. ALIGNMENT OF THIS PORTION SHOULD NOT BE NECESSARY IN THE FIELD.

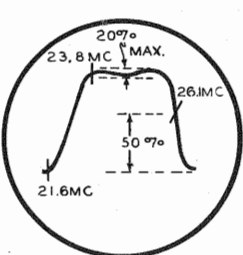


FIG. 1

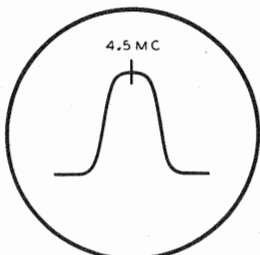


FIG. 2

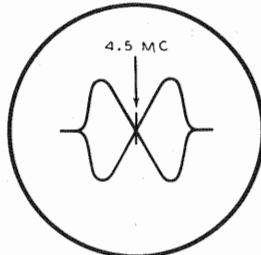
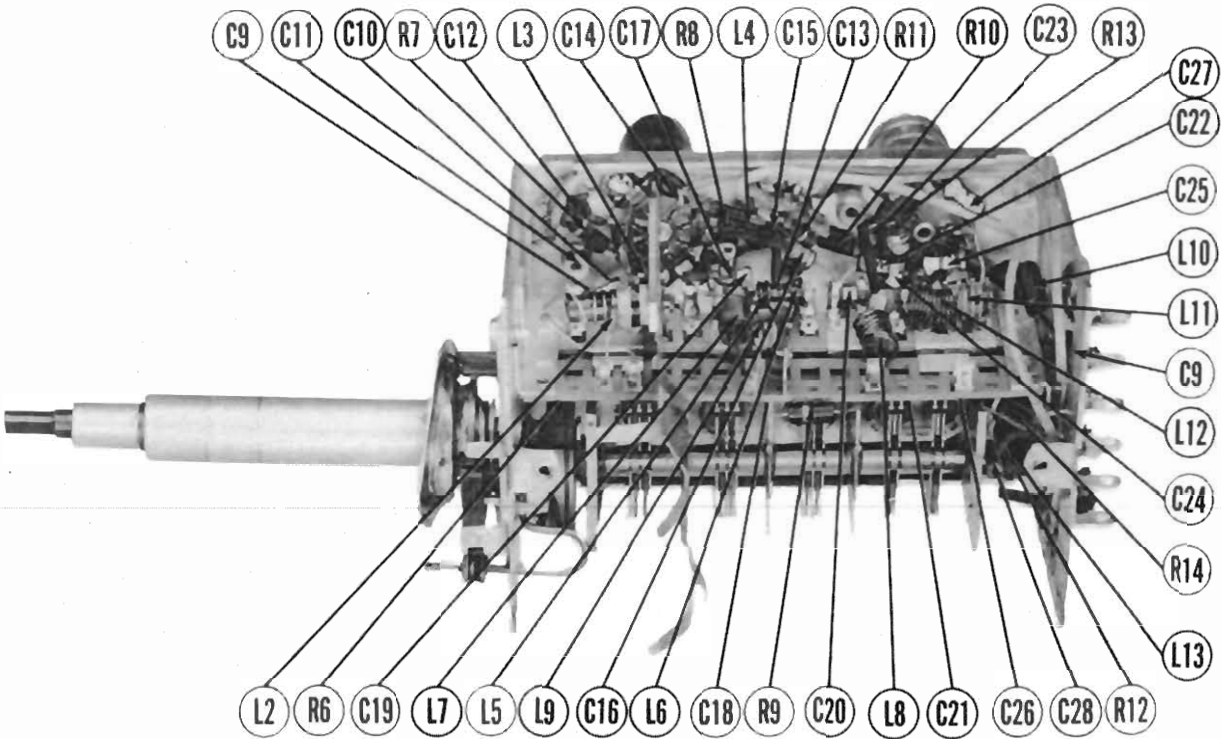
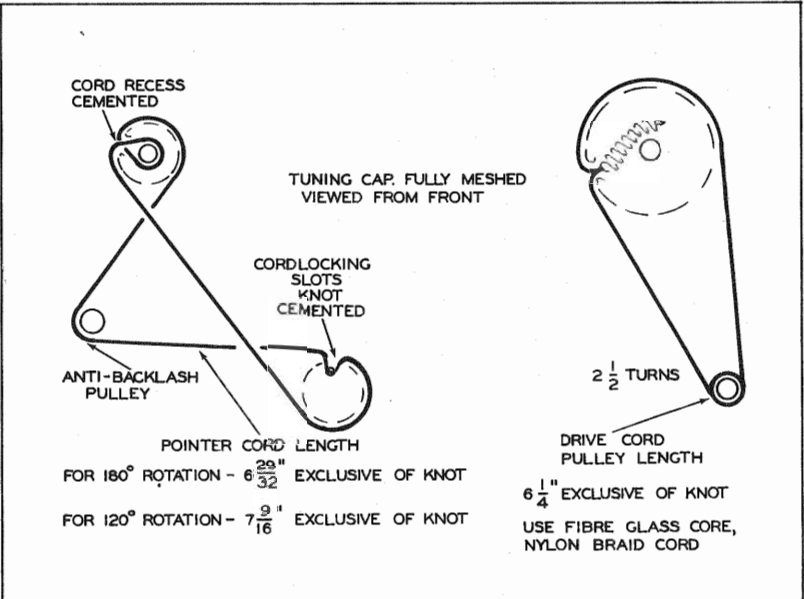


FIG. 3

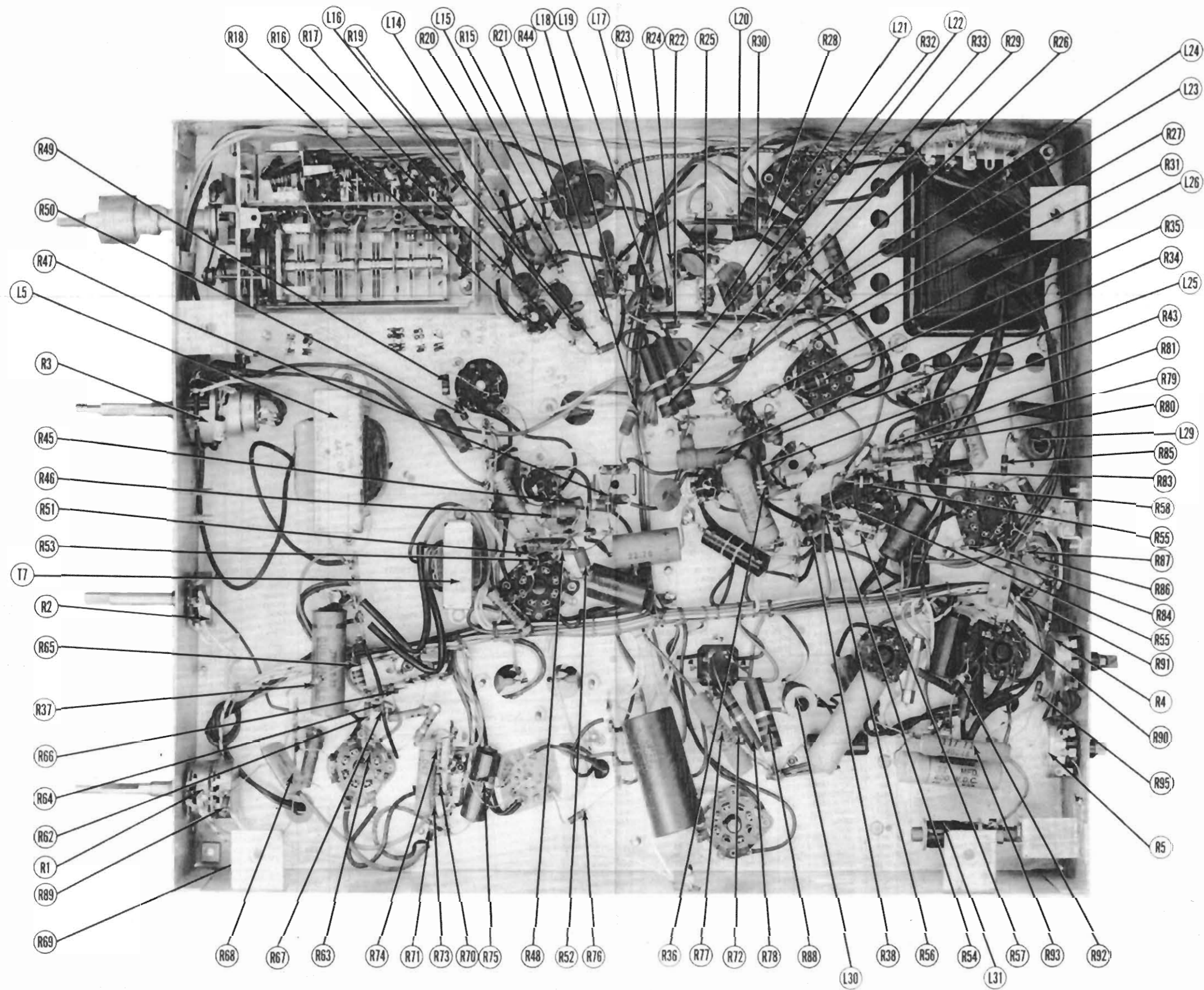


RF TUNER



DRIVE CORD STRINGING

FADA MODELS 56C55, 56C70, 56T65, 57C70, 57T65, 59C10, 51055, 51055X, 51060, 51065



FADA MODELS S6C55, S6C70, S6T65, S7C70,
S7T65, S9C10, S1055, S1055X, S1060, S1065

CHASSIS BOTTOM VIEW-RESISTOR AND INDUCTOR IDENTIFICATION

PARTS LIST AND DESCRIPTIONS

CAPACITORS (CONT.)

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	NOTES
		FADA PART No.	STANDARD REPLACEMENT		
V1A	RF Amplifier	6CB6	6CB6	6CK	
B	RF Amplifier	6AK5	6AK5	7BD	
V2	Converter	6J6	6J6	7BF	
V3	1st. Video IF Amp.	6AU6	6AU6	7BK	
V4	2nd. Video IF Amp.	6AU6	6AU6	7BK	
V5A	3rd. Video IF Amp.	6CB6	6CB6	6CK	
B	3rd. Video IF Amp.	6AU6	6AU6	7BK	
C	3rd. Video IF Amp.	6AG5	6AG5	7BD	
D	3rd. Video IF Amp.	6BC5	6BC5	7BD	
V6	Video Detector	6AL5	6AL5	6BT	
V7	AGC Rectifier	6AG7	6AG7	8Y	
V8	Video Amplifier	6AU6	6AU6	7BK	
V9A	Sound IF Amp.	6AL5	6AL5	6BT	
B	Ratio Detector	6T8	6T8	9E	
V10A	AF Amplifier	7B6	7B6	8W	
B	AF Amplifier	6AT6	6AT6	7BT	
V11	Audio Output	6K6GT	6K6GT	7S	
V12	Sync. Separator	12AU7	12AU7	9A	
V13A	Sync. Clipper	6SN7GT	6SN7GT	8BD	
B	Sync. Phase Inv.	6J5	6J5	6Q	
V14	Vert. Oscillator	68A	68A	9AC	
V15	Vert. Output	6AL5	6AL5	6BT	
V16	Horiz. Mult.	6SN7GT	6SN7GT	8BD	
V17	Horiz. Output	6CD6G	6CD6G	5BT	
V18	Damper	6W4GT	6W4GT	4CG	
C19	HV Rectifier	1B3GT	1B3GT	3C	
C20	LV Rectifier	5U4G	5U4G	5T	
V21	LV Rectifier	5U4G	5U4G	5T	
V22A	Picture Tube	17BP4A	17BP4A	12D	
B	Picture Tube	17BP4	17BP4	12D	
C	Picture Tube	16TP4	16TP4	12D	
D	Picture Tube	16GP4	16GP4	12D	
E	Picture Tube	16KP4	16KP4	12D	
F	Picture Tube	16RP4	16RP4	12D	
G	Picture Tube	18AP4	18AP4	12D	

CAPACITORS

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

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES AND INSTALLATION NOTES
		FADA PART No.	STANDARD REPLACEMENT	
C1A	50	475	22.79	AF88K
B	40	475	22.82	PR8450/40
C3A	20	450	22.80B	AF44166G
B	80	250		
C	10	200		
C4A	20	450	22.81	AF842220B
B	20	450		
C	20	450		
D	100	50		
C5	1	150	22.70	PR8150/4
C6	25	50	22.66	PR850/25
C7	5	50	22.56	PR8150/4
C8	500	6	22.74	
C9	20			
C10	100			
C11	1-3			
C12	1000			
C13	800			
C14	800			
C15	1000			
C16	68			
C17	100			
C18	1-3			
C19	14.5			
C20	16.5			
C21	1-3			
C22	100			
C23	3.3			
C24	33			
C25	12.5			
C26	1-3			
C27	5			
C28	100			
C29	800			
C30	5000			
C31	5000			
C32	5000			
C33	120			
C34	5000			
C35	5000			
C36	1	200	12.60	P288-1
C37	120		17.106	P288-1
C38	5000		17.44	P288-1
C39	5000		17.44	P288-1
C40	5000		17.44	P288-1
C41	5000		17.44	P288-1
C42	120		17.106	P288-1
C43	120		17.106	P288-1
C44	0.1	400	12.72	P488-01
C45	5000		17.44	P488-01
C46	5		17.79	S15
C47	680		17.108	S1680
C48	470		17.107	S1470
C49	1	600	12.49	P688-1
C50	0.047	400	12.67	P488-047
C51	1	400	12.49	P488-1
C52	2		17.59	TCZ-2.2
C53	39		17.205	S139
C54	10000		17.80	BPD-01

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES AND INSTALLATION NOTES
		FADA PART No.	STANDARD REPLACEMENT	
C55	330		17.69	S1330
C56	0.0039	400	12.71	P688-004
C57	0.1	400	12.72	P488-01
C58	0.0047	400	12.83	P688-0047
C59	0.02	400	12.82	P488-02
C60	0.0047	600	12.68	P688-0047
C61	0.022	400	12.82	P488-022
C62	0.1	400	12.72	P488-01
C63	0.47	200	12.92	P288-47
C64A	2000			P688-002
B	5000			P688-005
C	5000			P688-005
C65	0.0047	400	12.68	P688-0047
C66	0.047	400	12.67	P488-047
C67	1	400	12.75	P488-1
C68	1000		17.109	S1000
C69	1000		17.109	S1000
C70	0.01	400	12.72	P488-01
C71	0.0047	400	12.68	P688-0047
C72	0.047	400	12.67	P488-047
C73	330		17.69	S1330
C74	3900	500		1464-004
C75	390	500	17.38	1460-0004
C76	270	500	17.123	S1270
C77	20	1500	17.124	
C78	20	1500	17.124	
C79	0.047	600	12.66	P688-047
C80	0.033	400	12.94	P688-03
C81	0.047	400	12.67	P488-047
C82	22	400	12.77	P488-22
C83	22	400	12.77	P488-22
C84	500	20000	17.116	HV20B
C85	0.1	400	12.72	P488-01
C86	0.1	400	12.72	P488-01
C87	82			S182
C88	50		17.18	S150
C89	50		17.18	S150
C90	1	200	19.49	P288-1
C91	0.05	400	12.69	P488-05
C92	5		17.79	DF-503

- Not used in all models.
 † Some models use 10MMF in this application.
 ‡ Some models use this Capacitor as a Pic. Tube Cathode Bypass.
 § Some models use 620MMF in this application; Mfgs. Part No. 17.125.
 ¶ Some models use 120MMF in this application.
 * Items C64A, C64B, C64C, R68A, R68B, and R68C are combined into one unit.
 † Some models use 270MMF in this application.

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES AND INSTALLATION NOTES
		FADA PART No.	STANDARD REPLACEMENT	
R1A	1Meg			Concentrik
B	50KΩ		52.66	B11-137 Q
C	Shaft			B11-123 Q
R2A	50KΩ		52.20	E-187 Q
B	Shaft		Not Req	Q11-123
R2A	2200Ω	4	52.62	RTV-III
B	50KΩ		52.64	RTV-109
R3A	750Ω	2		RTV-109
B	500KΩ		52.24	Q11-239
R4A	2.5Meg		Not Req	PKS-1/4
B	Shaft		52.68	W-5000
R5	5000Ω	1		43-5000

- Q Additional parts to be used with CONCENTRIK
 Note 1 Used only when Focus Magnet is employed.
 Note 2 Used only when Focus Coil is employed.

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES AND INSTALLATION NOTES
		FADA PART No.	STANDARD REPLACEMENT	
R6	500Ω			BTS-1500
R7	10KΩ			BTS-10K
R8	6800Ω	20%		BTS-6800
R9	60	20%		
R10	10KΩ			BTS-10K
R11	100KΩ	20%		BTS-100K
R12	6800Ω	20%		BTS-6800
R13	22KΩ	20%		
R14	10KΩ			BTS-10K
R15	330Ω		32.67	BTS-330
R16	100Ω		32.2	BTS-100
R17	15KΩ	20%	32.12	BTS-82
R18	82Ω		32.125	BTS-100
R19	100Ω		32.2	BTS-100
R20	8200Ω		32.77	BTS-8200
R21	82Ω		32.125	BTS-82
R22	100Ω		32.2	BTS-100
R23	8200Ω		32.77	
R24	120Ω		32.118	BTS-120
R25	10KΩ		32.11	BTS-10K
R26	100Ω		32.2	BTS-100
R27	6200Ω		32.77	BTS-6200
R28	39KΩ	1	32.103	BTA-39K
R29	680KΩ		32.35	BTS-680K
R30	1Meg		32.33	BTS-1Meg
R31	82Ω		32.125	BTS-82
R32	39KΩ	2	32.660	BTS-39K
R33	39KΩ	2	32.660	BTS-39K
R34	5000Ω	10	17.70	1 1/4A-5000
R35	39KΩ	1	32.103	BTA-39K
R36	470KΩ	1		BTA-470K
R37	22KΩ		32.13	BTS-22K
R38	330KΩ			BTS-330K

Antenna Coil Shunt
 RF Amp. Grid
 RF Amp. Screen
 Parasitic Suppressor
 Mixer Grid
 Mixer Plate
 Osc. Grid
 Osc. Plate
 AGC Network
 Decoupling
 1st. Video IF Amp. Grid
 1st. Video IF Amp. Cathode
 Decoupling
 2nd. Video IF Amp. Grid
 2nd. Video IF Amp. Cathode
 Decoupling
 3rd. Video IF Transformer Shunt
 3rd. Video IF Amp. Cathode - See Note 1
 3rd. Video IF Amp. Screen - See Note 3
 Decoupling
 Voltage Det. Diode Load
 Voltage Divider
 AGC Diode Load
 AGC Network
 Parasitic Suppressor - See Note 5
 Video Amp. Screen
 Video Amp. Cathode
 Video Amp. Plate - Wire Wound
 Voltage Divider
 Isolation - See Note 3
 Voltage Divider
 Picture Tube Cathode - See Note 6

RESISTORS (CONT.)

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES	
		FADA PART No.	IRC PART No.		
R39	33KΩ	32.14	BTS-33K	Voltage Divider - See Note 3	
R40	270KΩ	32.44	BTS-270K	DC Restorer Diode Load - See Note 3	
R41	2200Ω	32.60	BTS-2200	Picture Tube Grid - See Note 3	
R42	1000Ω	32.8	BTS-1000	Bias Network - See Note 3	
R43	47KΩ	32.15	BTS-47K	Sound IF Amp. Grid	
R44	4700Ω	32.74	BTA-4700	Sound IF Amp. Decoupling	
R45	22KΩ	32.13	BTA-22K	Ratio Det. Diode Load	
R46	22KΩ	32.13	BTA-22K	Ratio Det. Diode Load	
R47	330Ω	32.67	BTS-330	Balancing - See Note 3	
R48	15KΩ	32.12	BTS-15K	De-emphasis	
R49	10Meg	32.99	BTS-10Meg	AF Amp. Grid	
R50	220KΩ	32.18	BTS-220K	AF Amp. Plate	
R51	470KΩ	32.92	BTS-470K	Output Grid	
R52	680Ω	32.115	BTA-680	Output Cathode	
R53	470Ω	32.399	BTS-470	Output Decoupling	
R54	47KΩ 20%	32.15	BTS-47K	Sync. Sep.-Clipper Plate - See Note 7	
R55	1.8Meg 20%	32.208	BTS-1.8Meg	Sync. Sep.-Clipper Grid - See Note 3	
R56	33KΩ 20%	32.14	BTS-33K	Isolation - See Note 3	
R57	10KΩ	32.11	BTS-10K	Voltage Divider - See Note 8	
R58	1.8Meg 20%	32.208	BTS-1.8Meg	Sync. Sep. Grid - See Note 9	
R59	39KΩ	32.103	BTA-39K	Sync. Sep. Plate - See Note 14	
R60	5600Ω	32.126	BTS-5600	Sync. Sep. Plate - See Note 3	
R61	3900Ω	32.202	BTS-3900	Sync. Amp.-Sep. Cathode - See Note 3	
R62	6.8Meg	32.46	BTS-6.8Meg	Sync. Phase Inv. Grid - See Note 3	
R63	1000Ω	32.8	BTS-1000	Sync. Phase Inv. Cathode - See Note 3	
R64	2200Ω	32.60	BTS-2200	Sync. Phase Inv. Plate - See Note 3	
R65	68KΩ	32.411	BTA-68K	Voltage Divider - See Note 3	
R66	12KΩ 20%	32.142	BTS-12K	Voltage Divider - See Note 3	
R67	2200Ω	32.60	BTS-2200	Bias Network - See Note 3	
R68A	22KΩ	6	BTS-22K	Integrator	
B	8200Ω		BTS-8200	Integrator	
C	8200Ω		BTS-8200	Integrator	
R69	1.5Meg	32.147	BTS-1.5Meg	Vert. Osc. Grid	
R70	47KΩ 20%	32.15	BTS-47K	Vert. Osc. Grid	
R71	1Meg	32.33	BTS-1Meg	Vert. Osc. Plate	
R72	150KΩ	32.90	BTS-150K	Vert. Osc. Decoupling - See Note 10	
R73	2.2Meg	32.34	BTS-2.2Meg	Voltage Divider	
R74	8200Ω	32.77	BTS-8200	Vert. Peaking - See Note 11	
R75	2.2Meg	32.34	BTS-2.2Meg	Vert. Output Grid	
R76	330Ω	32.67	BTS-330	Vert. Output Cathode	
R77	7500Ω	10	1 3/4A-7500	Vert. Output Decoupling - Wire Wound	
R78	10KΩ		BTS-10K	Vert. Output Decoupling - See Note 3	
R79	100KΩ	32.89	BTS-100K	Horiz. Phase Det. Diode Load	
R80	100KΩ	32.89	BTS-100K	Horiz. Phase Det. Diode Load	
R81	4.7Meg	32.98	BTS-4.7Meg	Horiz. Phase Det. Diode Load	
R82	27KΩ	32.85	BTS-27K	Horiz. Phase Det. Diode Load - See Note 3	
R83	470KΩ	32.92	BTS-470K	Horiz. AFC Filter	
R84	1200Ω	32.263	BTS-1200	Horiz. MV Cathode - See Note 12	
R85	5600Ω	32.126	BTS-5600	Horiz. MV Plate	
R86	100KΩ	32.89	BTS-100K	Horiz. MV Grid	
R87	150KΩ	32.90	BTS-150K	Horiz. MV Plate	
R88	15KΩ	2	32.655	Horiz. MV Decoupling	
R89	47KΩ 20%	32.15	BTS-47K	Horiz. Hold Control Shunt	
R90	100Ω	32.2		Parasitic Suppressor	
R91	470KΩ	32.92	BTS-470K	Horiz. Output Grid	
R92	100Ω	2	32.635	Horiz. Output Cathode	
R93	17.5KΩ	10	1 3/4A-17.5K	Horiz. Output Screen - Wire Wound	
R94	3900Ω	32.202	BTS-3900	Horiz. Peaking - See Note 3	
R95	6800Ω 5%	32.10	BTS-6800-5%	Horiz. Feedback	
R96	3.3Ω	1	32.62	HV Rectifier Filament - Wire Wound	
R97	100KΩ	1		HV Filter - See Note 3	
R98	2500Ω	25	2 1/2A-2500	Filter - Wire Wound - See Note 13	
R99	500Ω	20	2D-500	Filter - Wire Wound	
R100	500Ω	20	2D-500	Filter - Wire Wound	
R101	500Ω	20	2D-500	Filter - Wire Wound - See Note 3	
R102	3000Ω	10	1 3/4A-3000	Focus Coil Shunt - Wire Wound - See Note 3	
R103	680Ω	4	117.67	Focus Coil Shunt - Wire Wound - See Note 3	
R104	68KΩ	1	32.411	Voltage Divider - See Note 3	
R105	10Ω	2	32.625	BW-2-10	Bias Network - See Note 3