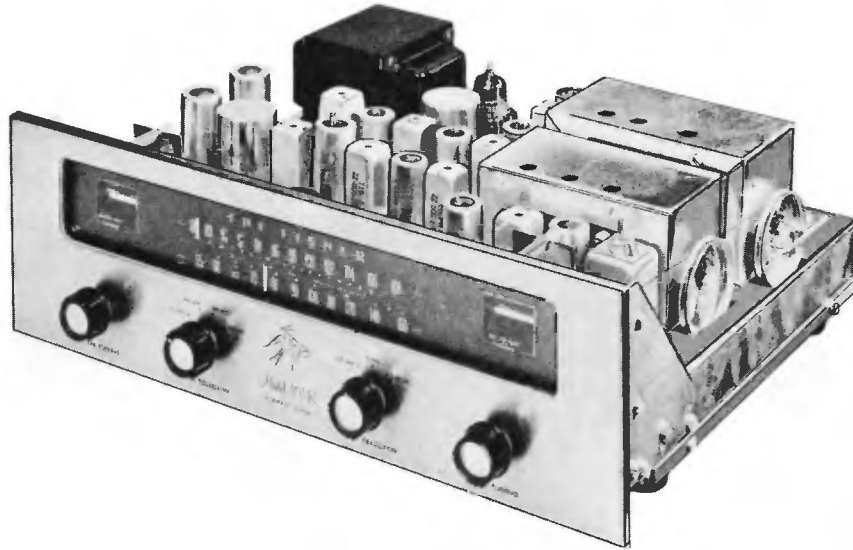




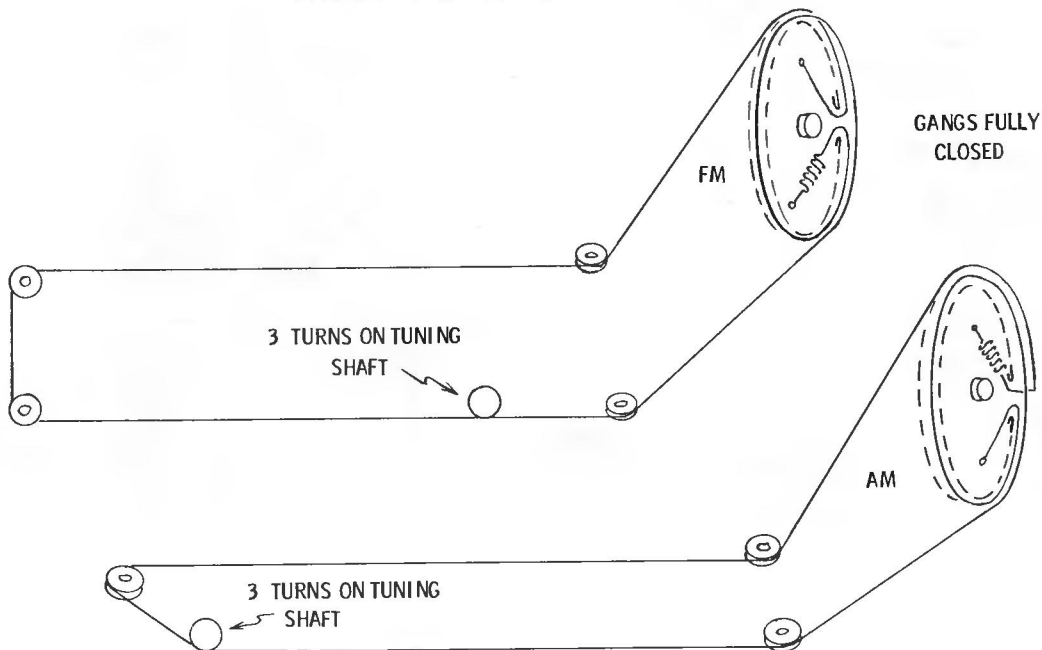
FISHER MODEL  
101-R



TRADE NAME	Fisher Model 101-R		
MANUFACTURER	Fisher Radio Corp., 21-21 44th Drive, Long Island City 1, N. Y.		
TYPE SET	AC Operated 15 Tube FM-AM Tuner		
POWER SUPPLY	105-125 Volts AC, 50-60 Cycles	RATING	80 Watts, .74 Amp. @117 Volts AC
TUNING RANGE—BROADCAST	515-1680KC	FREQ. MOD.	88-108MC

FISHER MODEL  
101-R

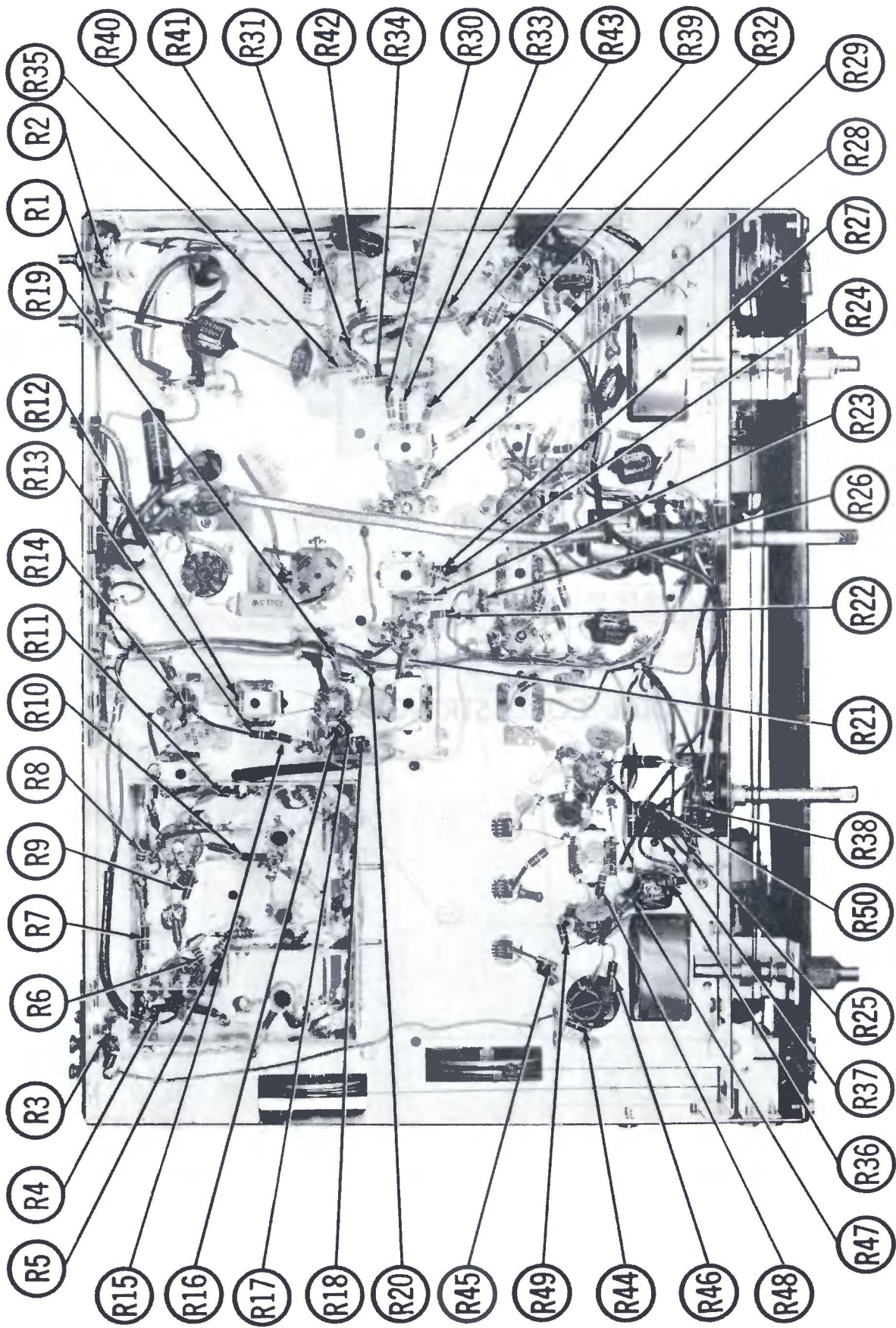
### DIAL CORD STRINGING



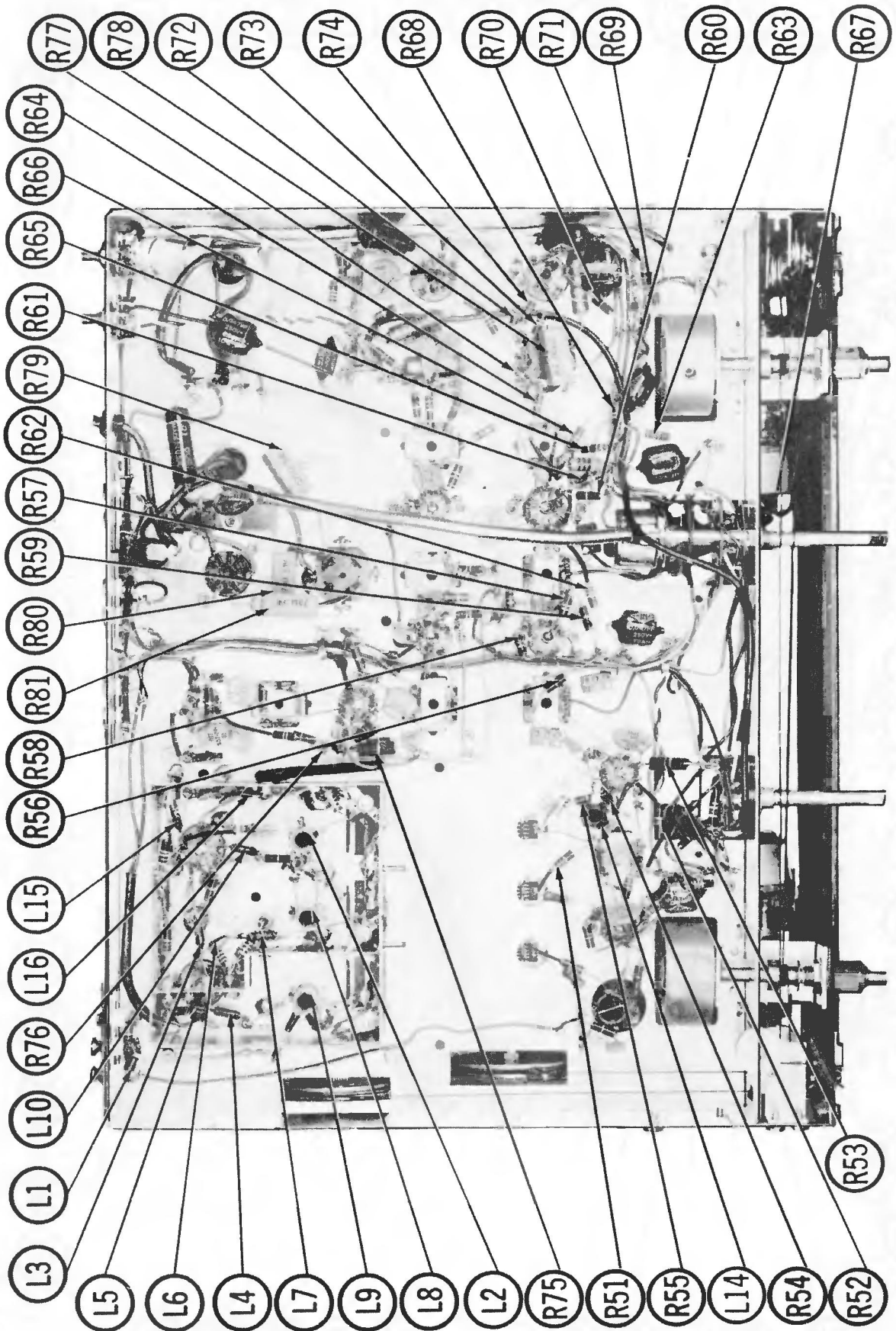
### HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

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 J10

the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1959 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America

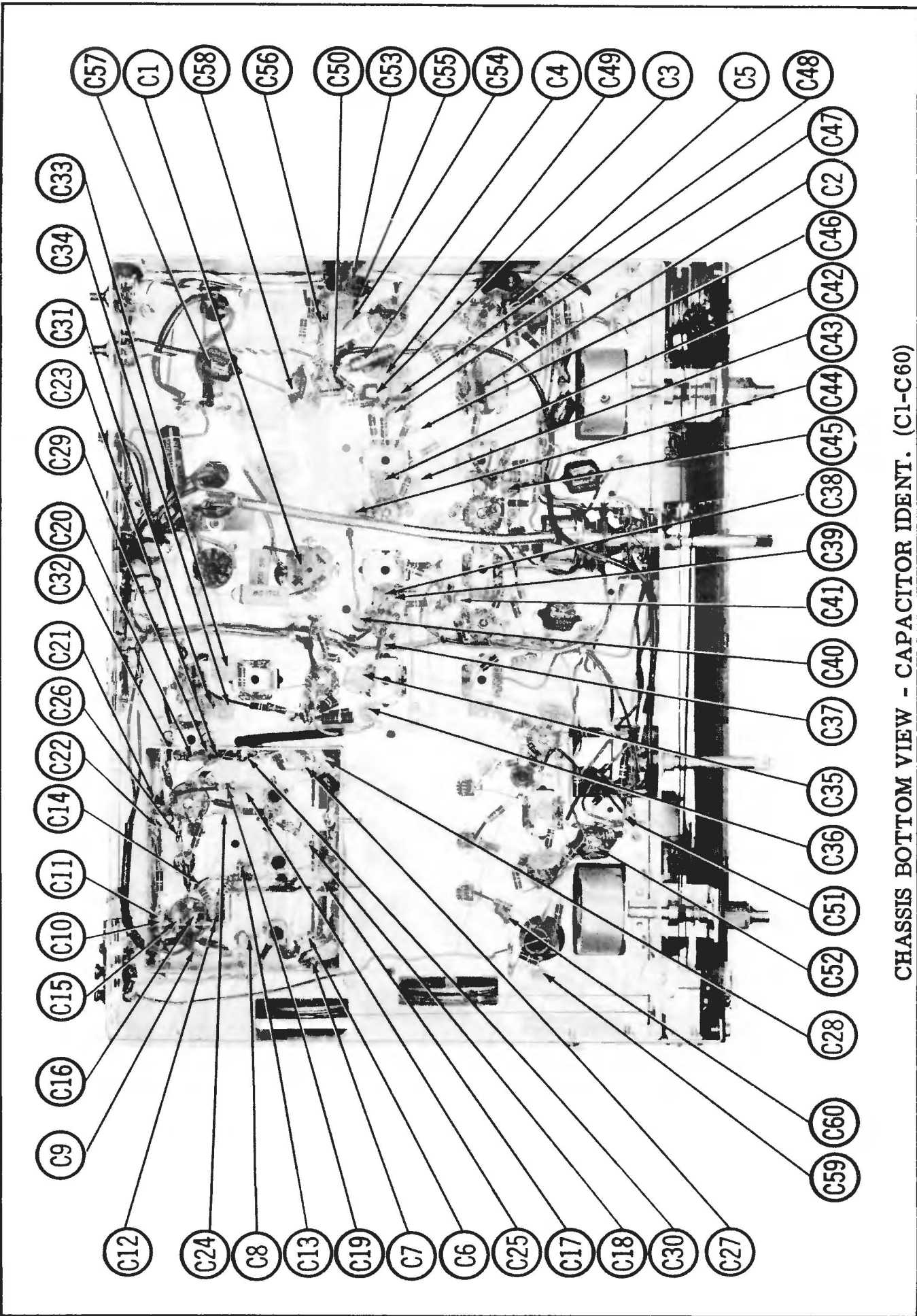


CHASSIS BOTTOM VIEW - RESISTOR IDENT. (R1-R50)

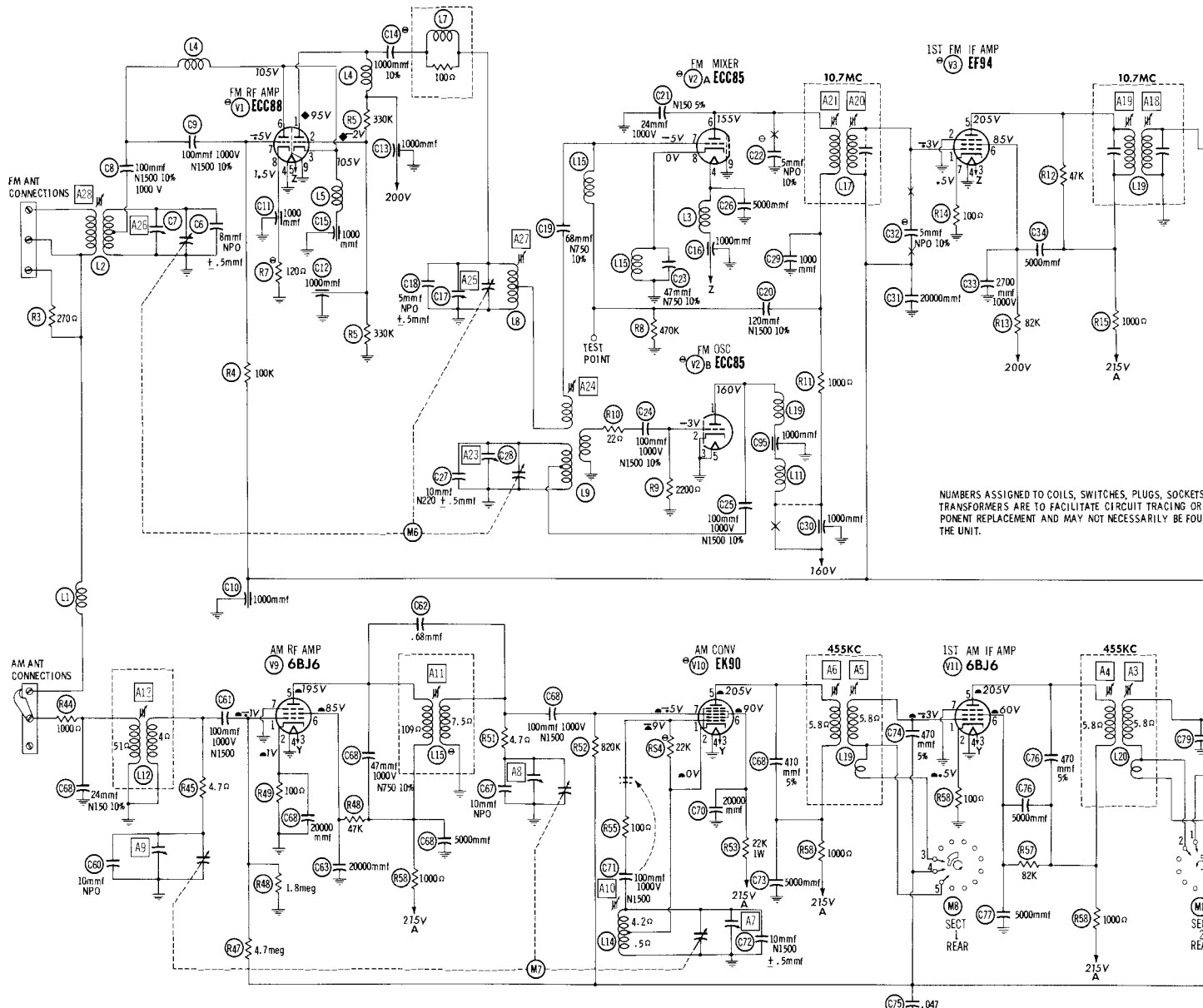


CHASSIS BOTTOM VIEW - INDUCTOR & RESISTOR IDENT. (R51-R81)

FISHER  
MODEL L101-R



CHASSIS BOTTOM VIEW - CAPACITOR IDENT. (C1-C60)



NUMBERS ASSIGNED TO COILS, SWITCHES, PLUGS, SOCKETS, TRANSFORMERS ARE TO FACILITATE CIRCUIT TRACING OR COMPONENT REPLACEMENT AND MAY NOT NECESSARILY BE FOUR THE UNIT.

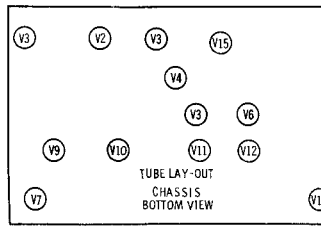
- DC voltage measurements taken with vacuum tube voltmeter, AC voltages measured at 1000 ohms per volt.
- Socket connections are shown as bottom views.
- Measured values are from socket pin to common negative.
- Line voltage maintained at 117 volts for voltage readings.
- Nominal tolerance on component values makes possible a variation of  $\pm 15\%$  in voltage and resistance readings.
- Volume control at maximum, no signal applied for voltage measurements.

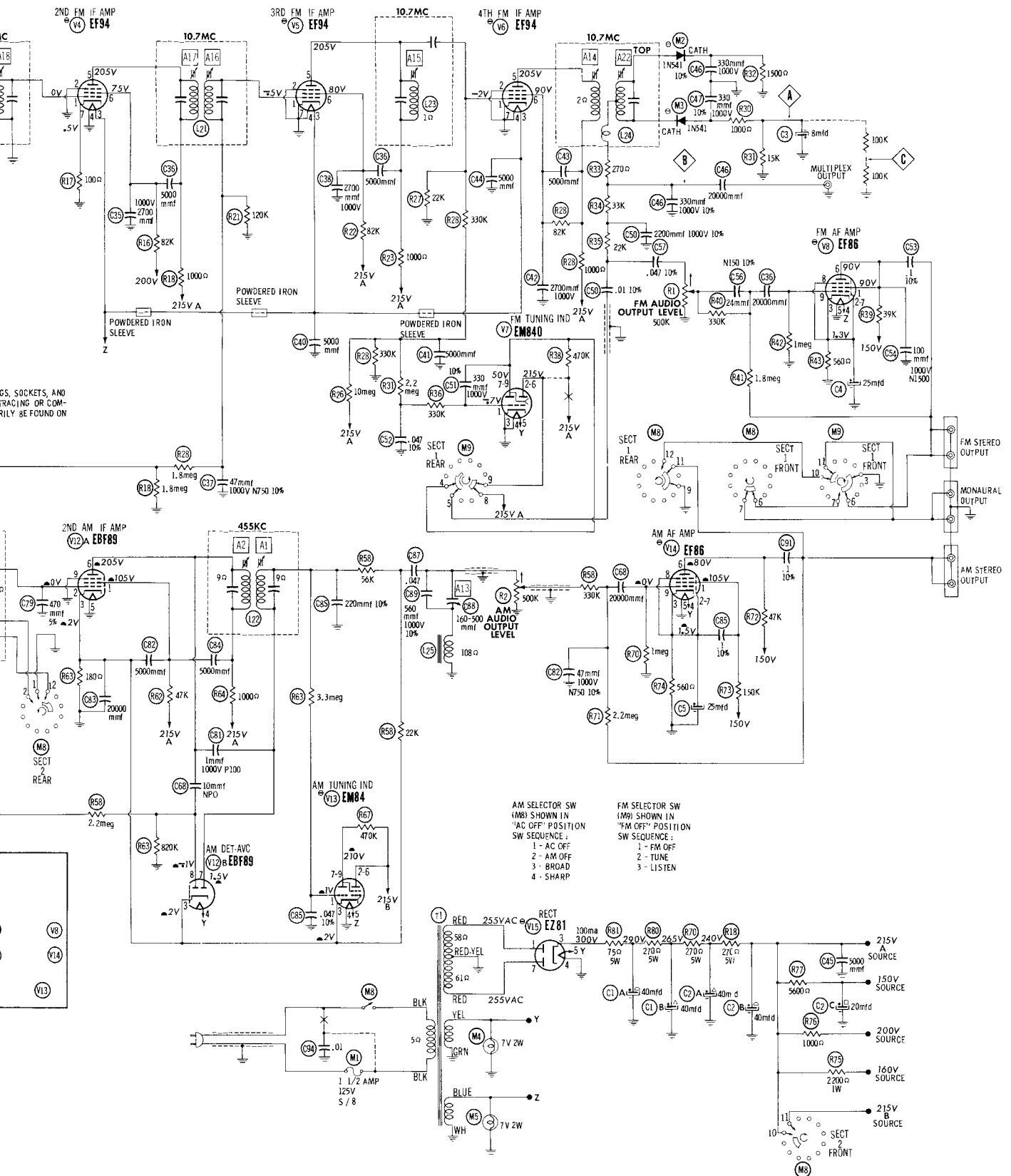
SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION  
 DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM  
 ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION (CONTROL VIEWED FROM SHAFT END)

RESISTANCE READINGS

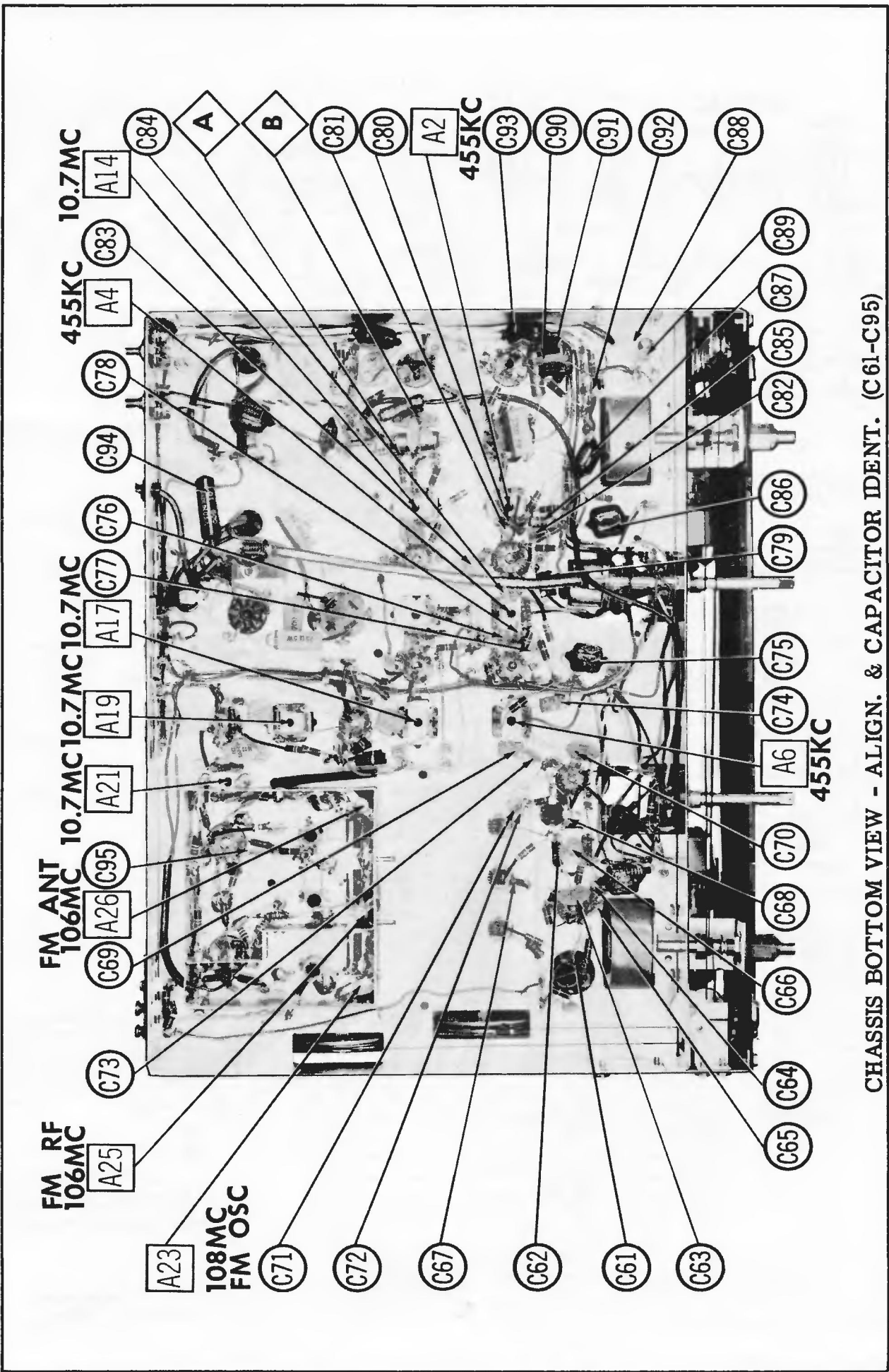
ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	ECC88 6DJ8	11900 $\Omega$	230K	1N $\Omega$	0 $\Omega$	.1 $\Omega$	1N $\Omega$	1.1meg	120 $\Omega$	0 $\Omega$
V2	ECC85	13100 $\Omega$	2200 $\Omega$	0 $\Omega$	.1 $\Omega$	0 $\Omega$	*4100 $\Omega$	470K	.1 $\Omega$	0 $\Omega$
V3	EF94 6AU6	1meg	0 $\Omega$	.1 $\Omega$	0 $\Omega$	11900 $\Omega$	*83K	100 $\Omega$		
V4	EF94 6AU6	.7 $\Omega$	0 $\Omega$	.1 $\Omega$	0 $\Omega$	*1900 $\Omega$	*83K	100 $\Omega$		
V5	EF94 6AU6	120K	0 $\Omega$	.1 $\Omega$	0 $\Omega$	*1900 $\Omega$	*83K	0 $\Omega$		
V6	EF94 6AU6	22K	0 $\Omega$	.1 $\Omega$	0 $\Omega$	*1900 $\Omega$	*83K	0 $\Omega$		
V7	EN840	2.7meg	900 $\Omega$	0 $\Omega$	0 $\Omega$	.1 $\Omega$	1900 $\Omega$	*470K	+900 $\Omega$	*470K
V8	EF86 6267	*145K	560 $\Omega$	560 $\Omega$	.1 $\Omega$	0 $\Omega$	*145K	560 $\Omega$	560 $\Omega$	1meg
V9	68J6	*1.4meg	100 $\Omega$	.1 $\Omega$	0 $\Omega$	*11900 $\Omega$	*148K	0 $\Omega$		
V10	EK90 6BE6	22K	.5 $\Omega$	.1 $\Omega$	0 $\Omega$	*1900 $\Omega$	*123K	*3meg		
V11	68J6	*2meg	100 $\Omega$	.1 $\Omega$	0 $\Omega$	*1900 $\Omega$	*184K	0 $\Omega$		
V12	EBF89	*148K	.58 $\Omega$	180 $\Omega$	.1 $\Omega$	0 $\Omega$	*1900 $\Omega$	*78K	*500 $\Omega$	0 $\Omega$
V13	EN84	*3.2meg	*900 $\Omega$	180 $\Omega$	0 $\Omega$	.1 $\Omega$	*1900 $\Omega$	*470K	NC	*1470K
V14	EF86 6267	*155K	560 $\Omega$	560 $\Omega$	.1 $\Omega$	0 $\Omega$	*153K	560 $\Omega$	560 $\Omega$	1meg
V15	EZ81 6CA4	58 $\Omega$	NC	4 $\Omega$	0 $\Omega$	.1 $\Omega$	NC	61 $\Omega$	NC	NC

ALL MEASUREMENTS TAKEN IN "FM" POSITION UNLESS OTHERWISE DESIGNATED.  
 \* MEASURED IN "AM" POSITION.  
 † THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.  
 ‡ MEASURED FROM PIN 3 OF V15.  
 § MEASURED FROM PIN 3 OF V1.  
 NC NO CONNECTION





FISHER MODEL 101-R



CHASSIS BOTTOM VIEW - ALIGN. & CAPACITOR IDENT. (C61-C95)

FISHER  
MODEL 101-R

# ALIGNMENT INSTRUCTIONS

## ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Suggested alignment tools:

A1 thru A6, A15 thru A21..... GENERAL CEMENT #5097, 8727  
 WALSCO #2515

A7, A8, A9..... GENERAL CEMENT #5004, 5008, 5009  
 WALSCO #2520

A10 thru A13..... GENERAL CEMENT #8271, 8273, 8275, 8276, 8721, 8722, 9150, 9298, 5003  
 WALSCO #2516, 2519

A14, A22, A24, A28..... GENERAL CEMENT #8606, 8606L, 8282, 9295  
 WALSCO #2526, 2543, 2544, 2545

A23, A25, A26, A27..... GENERAL CEMENT #5000, 5003, 8276, 8290  
 WALSCO #2512, 2525

### AM ALIGNMENT

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1. .01mfd.	High side to pin 7 (grid) of 6BE6 (V10). Low side to chassis.	455KC (400 v Mod.)	AM (Sharp)	Point of non-interference	Across AM output jack	A1, A2, A3, A4, A5, A6	Adjust for maximum output.
2. 200mmf.	High side to AM antenna terminal. Low side to chassis.	1600KC	"	1600KC	"	A7, A8, A9	"
3. "	"	600KC	"	600KC	"	A10, A11, A12	"
4. "	High side to pin 2 (grid) of EBF89 (V12). Low side to chassis.	10KC	"	"	"	A13	Adjust for <u>MINIMUM</u> output.

### FM IF ALIGNMENT USING AM SIGNAL GENERATOR & VTVM

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

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
5. .01mfd.	High side to pin 7 (grid) of 6AQ8 (V2). Low side to chassis.	10.7MC (Unmod.)	FM	Point of non-interference	DC probe to point $\diamond$ . Common to chassis.	A14, A15, A16, A17, A18, A19, A20, A21	Adjust for maximum deflection.
6. "	"	"	"	"	DC probe to point $\oplus$ . Common to point $\diamond$ .	A22	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

### FM IF ALIGNMENT USING FM SIGNAL GENERATOR & OSCILLOSCOPE

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

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT SCOPE	ADJUST	REMARKS
5. .01mfd.	High side to pin 7 (grid) of 6AQ8 (V2). Low side to chassis.	10.7MC (Unmod.)	FM	Point of non-interference	Vert. amp to point $\diamond$ . Low side to chassis.	A14, A15, A16, A17, A18, A19, A20, A21	Disconnect stabilizing capacitor C3. Adjust for curve of maximum amplitude and symmetry similar to Fig. 1.
6. "	"	"	"	"	Vert. amp. to point $\oplus$ . Low side to chassis.	A22	Reconnect stabilizing capacitor C3. Adjust so that 10.7MC occurs at center of crossover lines similar to Fig. 2. SLIGHTLY retouch A14 for maximum amplitude and straightness of crossover lines.

### FM RF ALIGNMENT

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
7. Two 120 $\Omega$ Carbon Resistors	Across FM antenna terminals with 120 $\Omega$ in each lead.	108MC (45KC Swp.)	FM	108MC	DC probe to point $\diamond$ . Common to chassis.	A23	Adjust for maximum deflection.
8. "	"	88MC	"	88MC	"	A24	"
9. "	"	106MC	"	106MC	"	A25, A26	"
10. "	"	90MC	"	90MC	"	A27, A28	"

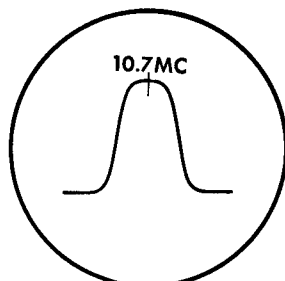


FIG. 1

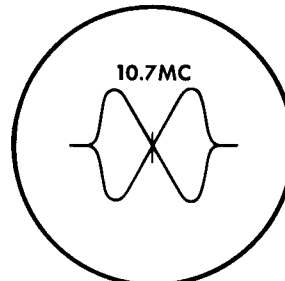
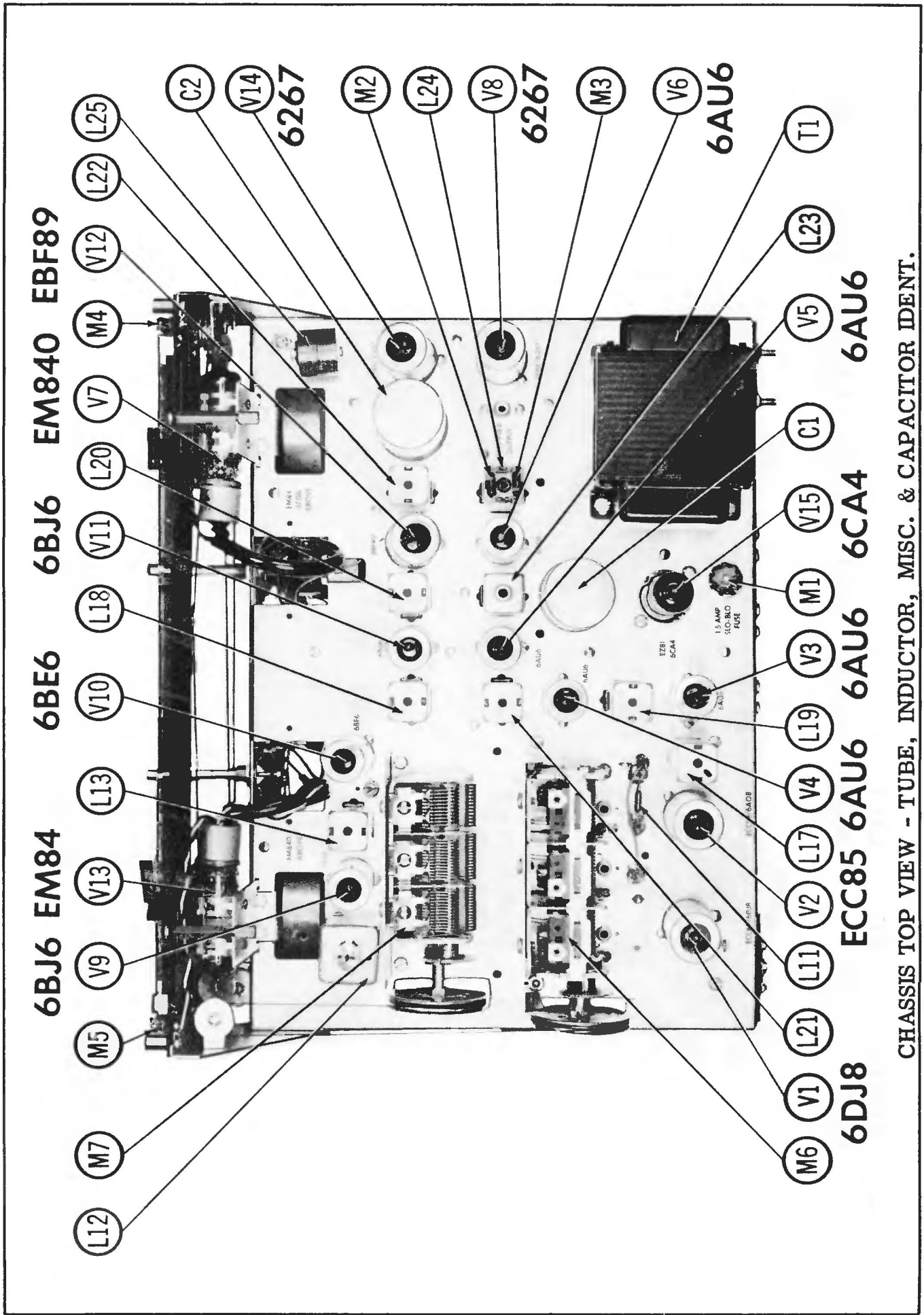


FIG. 2







CHASSIS TOP VIEW - TUBE, INDUCTOR, MISC. & CAPACITOR IDENT.

# PARTS LIST AND DESCRIPTIONS

## TUBES ( GENERAL ELECTRIC, SYLVANIA )

ITEM No.	USE	TYPE	USE	TYPE
V1	FM RF Amplifier	ECC88/8DJ8	AM RF Amplifier	6BJ6
V2	FM Mixer-FM Osc.	ECC85/8AQ8	AM Converter	EK90/8BE6
V3	1st FM IF Amplifier	EF94/8AU6	1st AM IF Amp.	6BJ6
V4	2nd FM IF Amplifier	EF94/8AU6	2nd AM IF Amp.-AM	
V5	3rd FM IF Amplifier	EF94/8AU6	Det. -AVC	EPF89
V6	4th FM IF Amplifier	EM84/6FC6	AM Tuning Indicator	EM84/6FC6
V7	FM Tuning Indicator	EM40	Det. -AVC	EF86/8287
V8	FM AF Amplifier	EF66/8287	AM AF Amplifier	EZ81/8CA4
V9	Rectifier		Rectifier	

## ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	CAP.	VOIT.	FISHER PART No.	AEROVOX PART No.	CORNELL-DUBIER PART No.	MALLOY PART No.	
C1A	40	350	C684-122	AFH3-11	D0032	FP176	
C1B	40	300	C684-119	AFH4-02	D0020	TC78	
C2A	40	300	C684-119	AFH4-02	D0020	FP217, 26	
C2B	40	300	C684-119	AFH4-02	D0020	TC55	
C3	8	50	C629-13B	PRSI50V8	BBR8-150	TC41	
C4	25	6	C639-114	SRE8V25	BBR25-6	TRX25	
C5	25	6	C639-114	SRE8V25	BBR25-6	TRX25	

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

## 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.	VOIT.	FISHER PART No.	AEROVOX PART No.	CORNELL-DUBIER PART No.	MALLOY PART No.	
C6	8	NPO ±.5mmf	CC20CJ080D5				
C7	100	N1500 10%	C662-123				
C8	100	N1500 10%	C50070-4				
C9	100	N1500 10%	C50070-4				
C10	1000	N1500 10%	C592-187				
C11	1000	N1500 10%	C592-187				
C12	1000	N1500 10%	C592-187				
C13	1000	N1500 10%	C592-187				
C14	1000	N1500 10%	C592-187				
C15	1000	N1500 10%	C592-187				
C16	1000	N1500 10%	C592-187				
C17	5	NPO ±.5mmf	CC20CJ050D5				
C18	6	N750 10%	CC20UJ680K5				
C19	6	N1500 10%	C50070-9				
C20	120	N150 5%	C50070-8				
C21	24	N150 5%	C50070-8				
C22	5	NPO 10%	C50070-4				
C23	47	N1500 10%	C50070-6				
C24	100	N1500 10%	C50070-6				
C25	100	N1500 10%	C50070-6				
C26	5000	N220 ±.5mmf	CC20RH100D5				
C27	10	N220 ±.5mmf	C662-123				
C28	1000	N1500 10%	C592-187				
C29	1000	N1500 10%	C592-187				
C30	1000	N1500 10%	C592-187				
C31	20000	NPO 10%	C50089-4				
C32	5	NPO 10%	C50071-5				
C33	2700	N1500 10%	C50071-5				
C34	5000	N1500 10%	C50071-5				
C35	2000	N1500 10%	C50089-1				
C36	5000	N1500 10%	C50089-1				
C37	47	N1500 10%	C50071-5				
C38	2700	N1500 10%	C50071-5				
C39	5000	N1500 10%	C50089-1				

## CAPACITORS (cont)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	CAP.	VOIT.	FISHER PART No.	AEROVOX PART No.	CORNELL-DUBIER PART No.	MALLOY PART No.	
C40	5000	1000	C50089-1	BPD-005	BYA10D5	B-250	5HK-D5
C41	5000	1000	C50089-1	BPD-005	BYA10D5	B-250	5HK-D5
C42	2700	1000	C50071-5	BPD-005	BYA10D27	B-227	10HK-B-D27S*
C43	5000	1000	C50089-1	BPD-005	BYA10D5	B-250	5HK-D5
C44	5000	1000	C50089-1	BPD-005	BYA10D5	B-250	5HK-D5
C45	5000	1000	C50089-1	BPD-005	BYA10D5	B-250	5HK-D5
C46	330	1000	C50072-1	BPD-005	L10T33	JL-333	10GA-B-T33S 10%*
C47	330	1000	C50072-1	BPD-005	L10T33	JL-333	10GA-B-T33S 10%*
C48	330	1000	C50072-1	BPD-005	L10T33	JL-333	10GA-B-T33S 10%*
C49	20000	1000	C50089-4	BPD-02	BYB6S2	B-120	5GA-S2
C50	2200	1000	C50072-5	BPD-02	L10T33	JL-222	10HK-B-D22
C51	330	1000	C50072-1	BPD-02	BYB6S2	B-120	10GA-B-T33S 10%*
C52	047	250	C50074-27	BPD-02	L10T33	JL-333	4TM-S47S 10%*
C53	1	250	C50074-28	BPD-02	L10T33	JL-333	4TM-S47S 10%*
C54	100	1000	C50070-5	BPD-02	L10T33	JL-333	4TM-P1S 10%*
C55	20000	1000	C50089-4	BPD-02	BYB6S2	B-120	5GA-S2
C56	24	250	C50070-8	BPD-02	BYB6S2	B-120	5GA-S2
C57	047	250	C50074-27	BPD-02	BYB6S2	B-120	5GA-S2
C58	01	250	C50074-25	BPD-02	BYB6S2	B-120	5GA-S2
C59	24	250	C50074-25	BPD-02	BYB6S2	B-120	5GA-S2
C60	10	NPO	CC20CHI00G5	NPO-SI 10	CTA6QIC	CNO-410	5TCC-QI
C61	100	1000	C50070-5	NPO-SI 10	CTA6QIC	CNO-410	5TCC-QI
C62	68	1000	C50077-6N	NPO-SI 10	CTA6QIC	CNO-410	5TCC-QI
C63	20000	1000	C50089-4	BPD-02	BYB6S2	B-120	5GA-S2
C64	5000	1000	C50089-4	BPD-02	BYA10D5	B-250	5HK-D5
C65	47	1000	C50070-4	BPD-02	BYB6S2	B-120	5GA-S2
C66	47	1000	C50070-4	BPD-02	BYB6S2	B-120	5GA-S2
C67	100	NPO	CC20CHI00G5	NPO-SI 10	CTA6QIC	CNO-410	5TCC-QI
C68	100	1000	C50070-5	NPO-SI 10	CTA6QIC	CNO-410	5TCC-QI
C69	470	1000	C50089-4	BPD-02	BYB6S2	B-120	5GA-S2
C70	20000	1000	C50089-4	BPD-02	BYB6S2	B-120	5GA-S2
C71	100	1000	C50070-5	BPD-02	BYB6S2	B-120	5GA-S2
C72	100	N1500 ±.5mmf	CC20VLC00D5	BPD-02	BYB6S2	B-120	5GA-S2
C73	5000	5%	C50089-1	BPD-005	BYA10D5	B-250	5HK-D5
C74	470	10%	C3334	BPD-005	BYA10D5	B-250	5HK-D5
C75	470	250	C50074-27	BPD-005	BYA10D5	B-250	5HK-D5
C76	470	250	C3334	BPD-005	BYA10D5	B-250	5HK-D5
C77	5000	5%	C50089-1	BPD-005	BYA10D5	B-250	5HK-D5
C78	5000	5%	C3334	BPD-005	BYA10D5	B-250	5HK-D5
C79	470	5%	C3334	BPD-005	BYA10D5	B-250	5HK-D5
C80	10	NPO	CC20CHI00G5	NPO-DI 10	CTA6QIC	CNO-410	5TCC-QI
C81	1	P100	C50070-1	NPO-DI 10	CTA6QIC	CNO-410	5TCC-QI
C82	5000	5%	C50089-1	BPD-005	BYA10D5	B-250	5HK-D5
C83	20000	5%	C50089-1	BPD-005	BYA10D5	B-250	5HK-D5
C84	5000	5%	C50089-1	BPD-005	BYA10D5	B-250	5HK-D5
C85	200	10%	CC20G21K5	BPD-005	BYA10D5	B-250	5HK-D5
C86	047	250	C50074-27	DI-220	L10T22	JL-322	5GA-T22S 10%*
C87	047	250	C50074-27	DI-220	L10T22	JL-322	4TM-S47S 10%*
C88	160-500	1000	C829-151-5	DI-220	L10T22	JL-322	4TM-S47S 10%*
C89	580	1000	C50089-4	BPD-02	BYB6S2	B-120	10GA-B-T56S 10%*
C90	20000	1000	C50089-4	BPD-02	BYB6S2	B-120	5GA-S2
C91	.1	250	C50074-28	BPD-02	BYB6S2	B-120	4TM-P1S 10%*
C92	47	1000	C50070-4	BPD-02	BYB6S2	B-120	4TM-P1S 10%*
C93	.1	250	C50074-28	BPD-02	BYB6S2	B-120	4TM-P1S 10%*
C94	.01	600	C592-187	BPD-02	CUB6S1	GEM-611	4TM-SI
C95	1000	600	C592-187	BPD-02	CUB6S1	GEM-611	503C-DI

① Some versions may use 5000mmf in this application (Part #C50089-1).

② Not used in some versions.

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

## CONTROLS

ITEM No.	RATING		REPLACEMENT DATA				INSTALLATION NOTES
	RESIST. ANCE	WATTS	FISHER PART No.	CLAROSTAT PART No.	IRC PART No.	MALLOY PART No.	
R1	500K		R520-139				FM Audio Output Level
R2	500K		R520-139				AM Audio Output Level

FISHER MODEL 101-R

# PARTS LIST & DESCRIPTION (continued)

## RESISTORS

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

ITEM No.	RATING		FISHER PART No.	NOTES	ITEM No.	RATING		FISHER PART No.	NOTES
	OHMS	WATT				OHMS	WATT		
R3	2702		RC20BF271K		R43	5000	RC20BF501K		
R4	100K		RC20BF104K		R44	1000	RC20BF102K		
R5	330K		RC20BF334K		R45	4.7Ω	RC20BF470K		
R6	330K		RC20BF334K		R46	1.8meg	RC20BF185K		
R7	120K		RC20BF121K		R47	4.7meg	RC20BF475K		
R8	470K		RC20BF474K		R48	47K	RC20BF475K		
R9	22000		RC20BF222K		R49	1000	RC20BF101K		
R10	22K		RC20BF220K		R50	10000	RC20BF102K		
R11	10000		RC20BF102K		R51	4.7Ω	RC20BF470K		
R12	47K		RC20BF473K		R52	620K	RC20BF624K		
R13	62K		RC20BF623K		R53	22K	RC20BF223K		
R14	100Ω		RC20BF101K		R54	22K	RC20BF223K		
R15	10000		RC20BF102K		R55	1000	RC20BF101K		
R16	82K		RC20BF823K		R56	10000	RC20BF102K		
R17	1000		RC20BF101K		R57	62K	RC20BF623K		
R18	10000		RC20BF102K		R58	1000	RC20BF101K		
R19	1.8meg		RC20BF185K		R59	10000	RC20BF102K		
R20	1.8meg		RC20BF185K		R60	2.2meg	RC20BF225K		
R21	120K		RC20BF124K		R61	620K	RC20BF624K		
R22	62K		RC20BF623K		R62	47K	RC20BF473K		
R23	10000		RC20BF102K		R63	1800	RC20BF181K		
R24	330K		RC20BF334K		R64	10000	RC20BF102K		
R25	330K		RC20BF334K		R65	3.9meg	RC20BF395K		
R26	10meg		RC20BF105K		R66	56K	RC20BF563K		
R27	22K		RC20BF223K		R67	470K	RC20BF474K		
R28	62K		RC20BF623K		R68	22K	RC20BF223K		
R29	10000		RC20BF102K		R69	330K	RC20BF334K		
R30	10000		RC20BF102K		R70	1meg	RC20BF105K		
R31	15K		RC20BF152K		R71	2.2meg	RC20BF223K		
R32	15000		RC20BF152K		R72	47K	RC20BF473K		
R33	2700		RC20BF271K		R73	150K	RC20BF154K		
R34	33K		RC20BF333K		R74	5600	RC20BF561K		
R35	22K		RC20BF223K		R75	22000	RC20BF222K		
R36	330K		RC20BF334K		R76	10000	RC20BF102K		
R37	2.2meg		RC20BF225K		R77	56000	RC20BF562K		
R38	470K		RC20BF474K		R78	2700	R684-141		
R39	39K		RC20BF393K		R79	2700	R684-141		
R40	330K		RC20BF334K		R80	2700	R684-141		
R41	1.8meg		RC20BF185K		R81	750	R684-140		
R42	1meg		RC20BF105K						

① Some versions may use 12002 in this application (Part #RC20BF122K).

② Some versions may use 33K in this application (Part #RC20BF333K).

## COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				ITEM No.	USE	REPLACEMENT DATA				NOTES
		FISHER PART No.	Gramer PART No.	Meissner PART No.	Miller PART No.			FISHER PART No.	Gramer PART No.	Meissner PART No.	Miller PART No.	
L1	FM Ant. Coil	L50066-8	19-1000	19-1000	4602	L1	FM Ant. Trans.	L662-124	19-1000	19-1000	4602	3.3uh
L2	FM Ant. Trans.	L50066-3	19-1000	19-1000	4602	L2	FIL. Choke	L50066-3	19-1000	19-1000	4602	1.2uh
L3	FIL. Choke	L50066-3	19-1000	19-1000	4602	L3	RF Choke	L50066-3	19-1000	19-1000	4602	1.2uh
L4	RF Choke	L50066-3	19-1000	19-1000	4602	L4	Cathode Choke	L50066-19	19-1000	19-1000	4602	.56uh
L5	Cathode Choke	L50066-19	19-1000	19-1000	4602	L5	RF Choke	L50066-19	19-1000	19-1000	4602	3 turns on 100G
L6	RF Choke	L50066-19	19-1000	19-1000	4602	L6	FM Osc. Coil	L629-180	19-1000	19-1000	4602	1.2uh
L7	RF Choke	L629-180	19-1000	19-1000	4602	L7	FM Osc. Coil	L662-125	19-1000	19-1000	4602	1.2uh
L8	FM Osc. Coil	L662-125	19-1000	19-1000	4602	L8	RF Choke	L50066-3	19-1000	19-1000	4602	1.2uh
L9	FM Osc. Coil	L662-125	19-1000	19-1000	4602	L9	RF Choke	L629-171	19-1000	19-1000	4602	*Disregard tap
L10	RF Choke	L50066-3	19-1000	19-1000	4602	L10	AM Ant. Trans.	L556-125 ①	14-1055	14-1055	4602	70-OSC*
L11	RF Choke	L629-171	19-1000	19-1000	4602	L11	AM RF Coil	L55066-3	19-1000	19-1000	4602	4602
L12	AM Ant. Trans.	L556-125 ①	14-1055	14-1055	4602	L12	AM Osc. Coil	L50066-3	19-1000	19-1000	4602	70-OSC*
L13	AM RF Coil	L55066-3	19-1000	19-1000	4602	L13	RF Choke	L50066-3	19-1000	19-1000	4602	4602
L14	AM Osc. Coil	L50066-3	19-1000	19-1000	4602	L14	Cathode Choke	Z2682-117	16-3490A	16-3487	1463-PCA	1463
L15	RF Choke	L50066-3	19-1000	19-1000	4602	L15	1st FM IF Trans.	Z2599-152	16-3487	16-3487	16-3487	
L16	Cathode Choke	Z2682-117	16-3490A	16-3487	1463-PCA	L16	1st AM IF Trans.	Z2682-117	16-3487	16-3487	1463-PCA	1463
L17	1st FM IF Trans.	Z2599-152	16-3490A	16-3487	1463-PCA	L17	2nd FM IF Trans.	Z2682-117	16-3487	16-3487	1463-PCA	1463
L18	1st AM IF Trans.	Z2599-152	16-3487	16-3487	1463-PCA	L18	2nd AM IF Trans.	Z2599-152	16-3487	16-3487	1463-PCA	1463
L19	2nd FM IF Trans.	Z2682-117	16-3487	16-3487	1463-PCA	L19						
L20	2nd AM IF Trans.	Z2599-152	16-3487	16-3487	1463-PCA	L20						

## COILS (cont)

ITEM No.	USE	REPLACEMENT DATA				ITEM No.	USE	REPLACEMENT DATA			
		FISHER PART No.	Gramer PART No.	Meissner PART No.	Miller PART No.			FISHER PART No.	Gramer PART No.	Meissner PART No.	Miller PART No.
L21	3rd FM IF Trans.	Z2682-142	16-3487	16-3487	1463	L21	3rd FM IF Trans.	Z2682-142	16-3487	16-3487	1463
L22	3rd AM IF Trans.	L670-145	16-6758	16-6758	12-C2	L22	3rd AM IF Trans.	L670-145	16-6758	16-6758	12-C2
L23	FM Limiter	Z2592-170	L644-120	L644-120		L23	FM Limiter	Z2592-170	L644-120	L644-120	
L24	Ratio Detector	L644-120				L24	Ratio Detector	L644-120			
L25	10KC Filter					L25	10KC Filter				295MH

① Alternate Part #L670-151

## TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA				ITEM No.	RATING	REPLACEMENT DATA			
		FISHER PART No.	Halldorson PART No.	Merit PART No.	Ram PART No.			FISHER PART No.	Halldorson PART No.	Merit PART No.	Ram PART No.
T1	510 VCT ③ .100A 2.5A	T864-124				T1	510 VCT ③ .100A 2.5A	T864-124			
	6.3V ③ 2.6A						6.3V ③ 2.6A				

## FUSES

ITEM No.	TYPE	RATING	FISHER		LITTELFUSE		BUSS	
			PART No.	HOLDER	PART No.	HOLDER	PART No.	HOLDER
M1	3AG	1 1/2A 125V S/B	F864-143		31301.5 (1 1/2A 125V S/B)	342012	MDL 1 1/2	HKP-CC

## CRYSTAL DIODES

ITEM No.	ORIG. TYPE	REPLACEMENT DATA				ITEM No.	ORIG. TYPE	REPLACEMENT DATA			
		FISHER PART No.	CBS PART No.	SYLVANIA PART No.	Merit PART No.			FISHER PART No.	CBS PART No.	SYLVANIA PART No.	Merit PART No.
M2	IN541*	IN636		IN295		M2	IN541*	IN636		IN295	
M3	IN541*	IN636		IN295		M3	IN541*	IN636		IN295	

\* Some versions may use IN542 in this application (Part #V-IN542).

## MISCELLANEOUS

ITEM No.	PART NAME	FISHER PART No.	NOTES
M4	Lamp	150082	7V, 2W
M5	Lamp	150082	7V, 2W
M6	Tuning Cap.	C662-113	FM, 3 Gang
M7	Tuning Cap.	C664-127	AM, 3 Gang (Ant. 10-505mmf, RF 10-503mmf, Osc. 7-136mmf)
M8	Switch	S684-123	AM Selector (4 Position, Rotary Wafer Type)
M9	Switch	S684-120	Includes Power On-Off (SFST, Snap Type) FM Selector (3 Position, Rotary Wafer Type)

## WIRING DATA

General-use Unshielded Hook-up Wire ..... Use BELDEN No. 8530 (Solid) Available in Ten Colors  
8524 (Stranded) Available in Ten Colors  
Power Cord ..... Use BELDEN No. 1765-B (6 Ft. Length)  
1725-K (1 1/2 Ft. Length)