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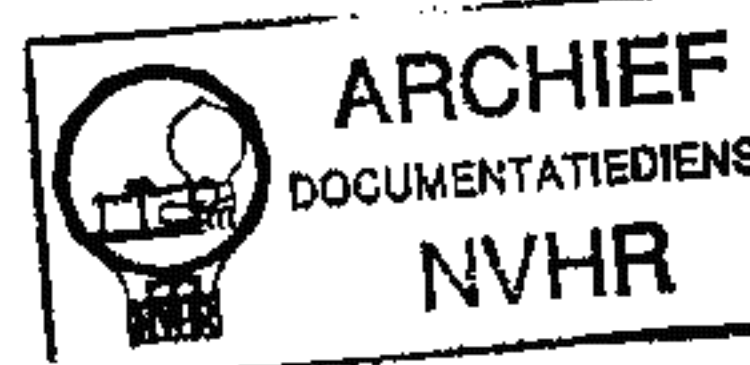
CIRCUITRACE[®]



Met dank aan Jef Bos

TRADE NAME : Nordmende Model Transista G
 SUPPLIER : Sterling Hi-Fidelity, Inc.
 22-14 40th Ave., Long Island City 1, N. Y.
 TYPE SET : 9 Transistor BC-SW-FM Receiver
 POWER SUPPLY : 9 Volts DC
 RATING : 18MA @ 9VDC (No Signal, Min. Volume)
 35MA @ 9VDC (Signal, Normal Volume)
 TUNING RANGE: BROADCAST 540 - 1620KC
 SHORT WAVE 6 - 12MC
 FREQ. MOD. 88 - 108MC

Ned. Ver. v. Historie



ALIGNMENT INSTRUCTIONS

Check for specified source voltage.
 Fashion loop of several turns of wire and connect generator across loop.
 Adjust output of generator to radiate only enough signal into receiver to obtain a suitable indication.
 Suggested Alignment Tools:
 A7, A9, A10, A12, A22, A23.....GENERAL CEMENT #8290, 5000, 5066...WALSCO #2528, 2525, 2512

SELECTOR IN AM POSITION

	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	460KC (400% Mod.)	Tuning gang fully open.	Output Meter across voice coil.	A1 thru A6	Adjust for maximum. Repeat as required.
2.	1620KC	"	"	A7	Adjust for maximum.
3.	600KC	Tune to Signal.	"	A8	Rock tuning gang and adjust for maximum. Repeat steps 2 and 3.
4.	1400KC	"	"	A9	Adjust for maximum.

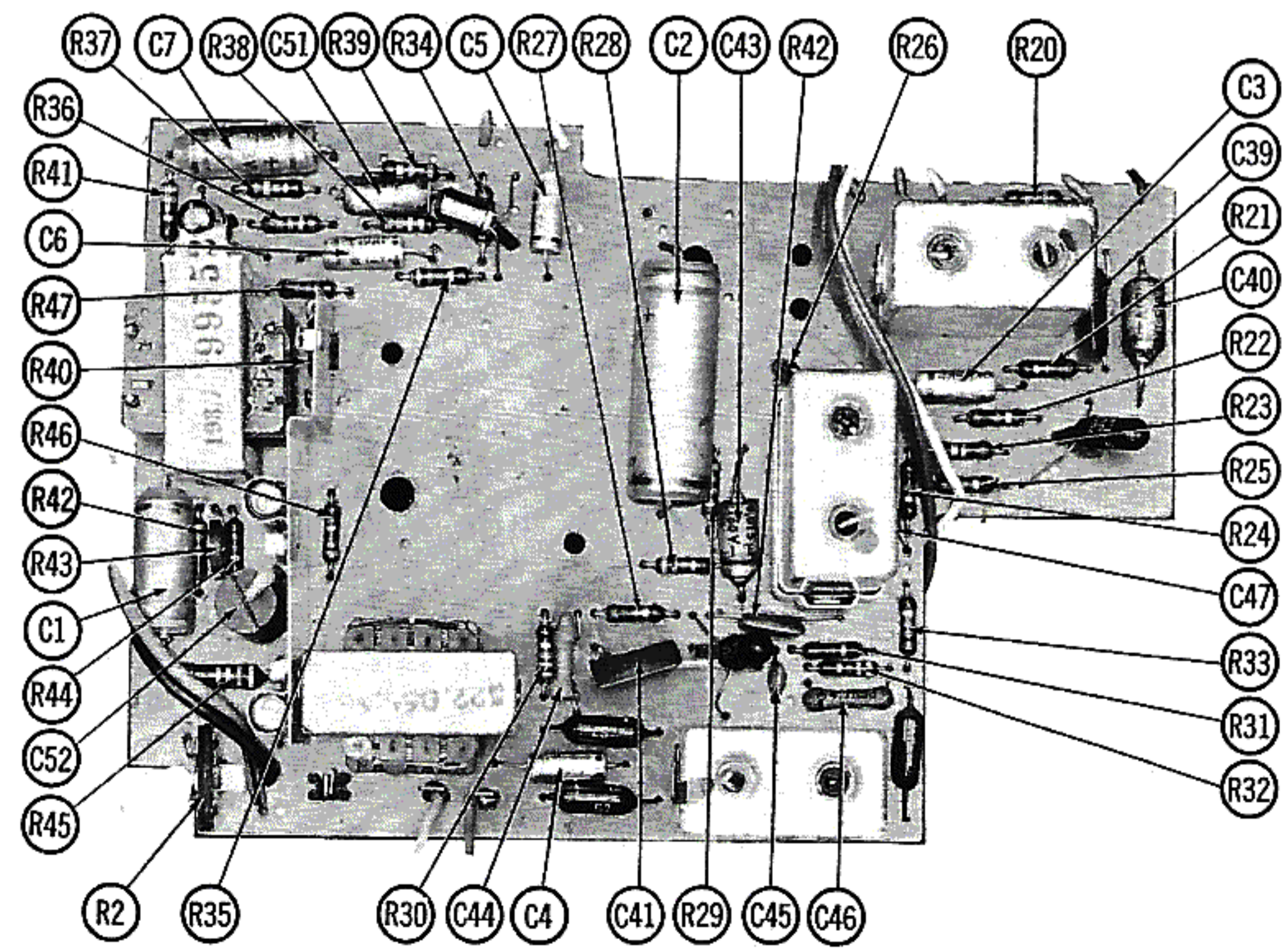
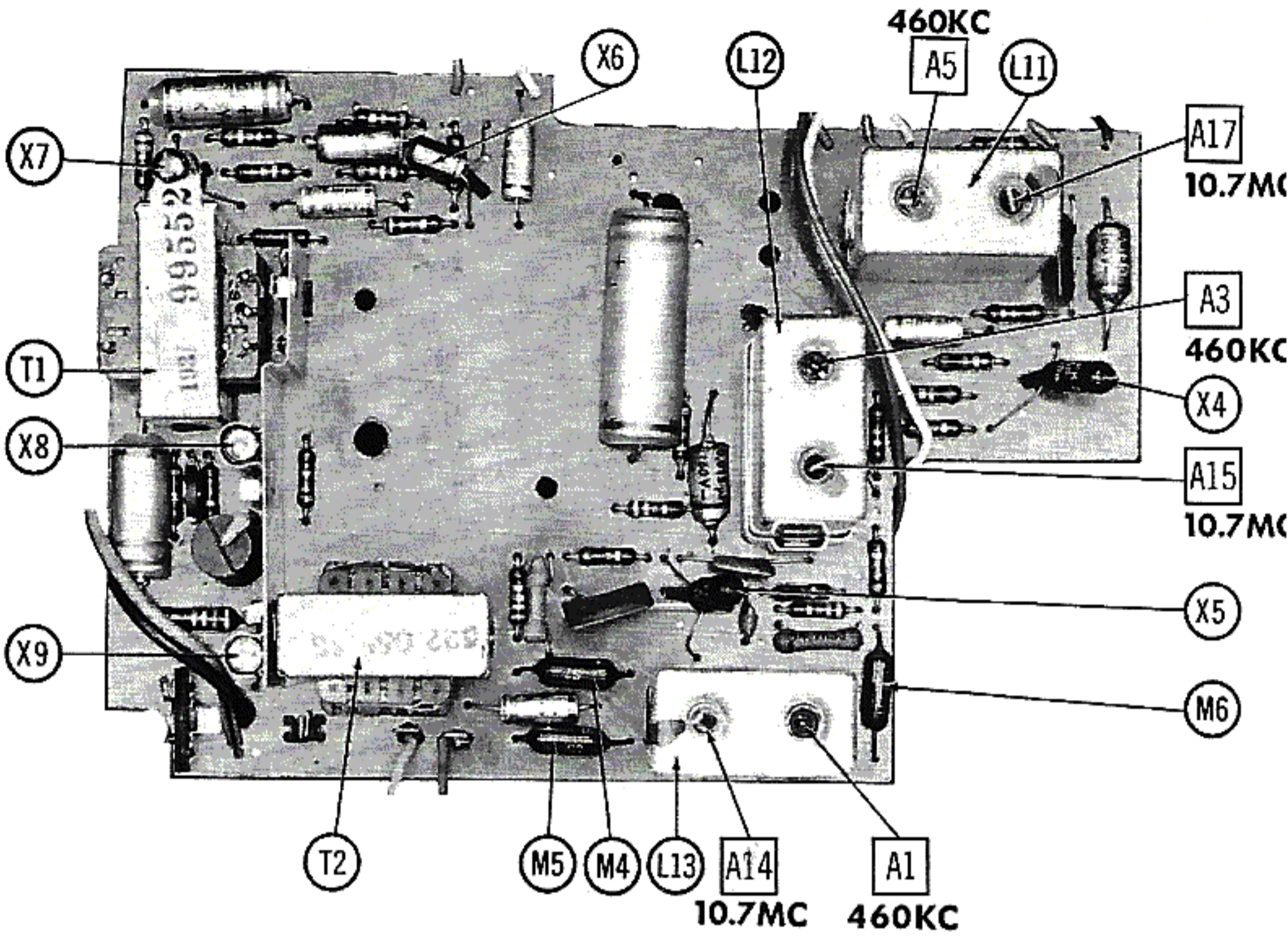
SELECTOR IN SW POSITION

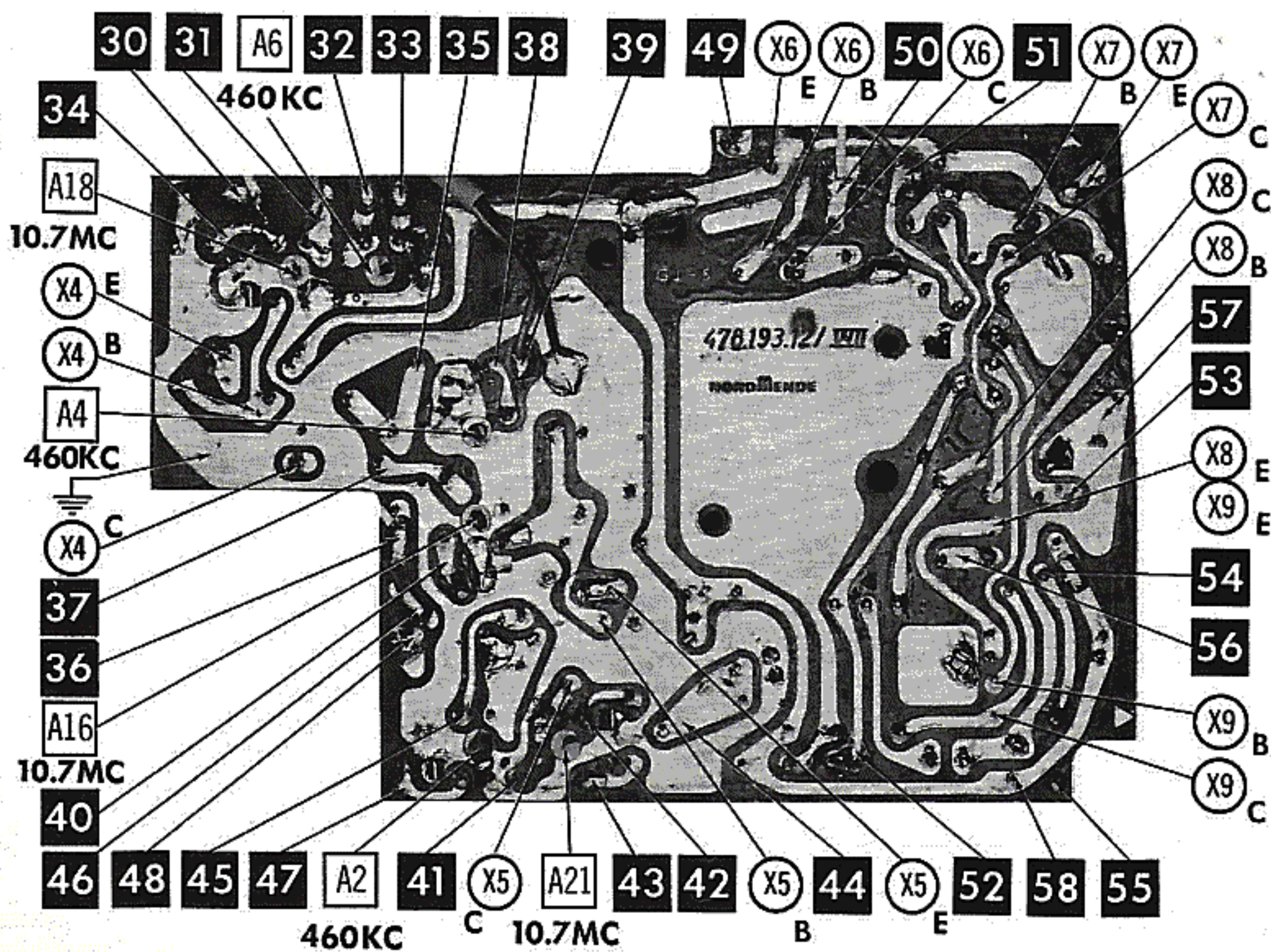
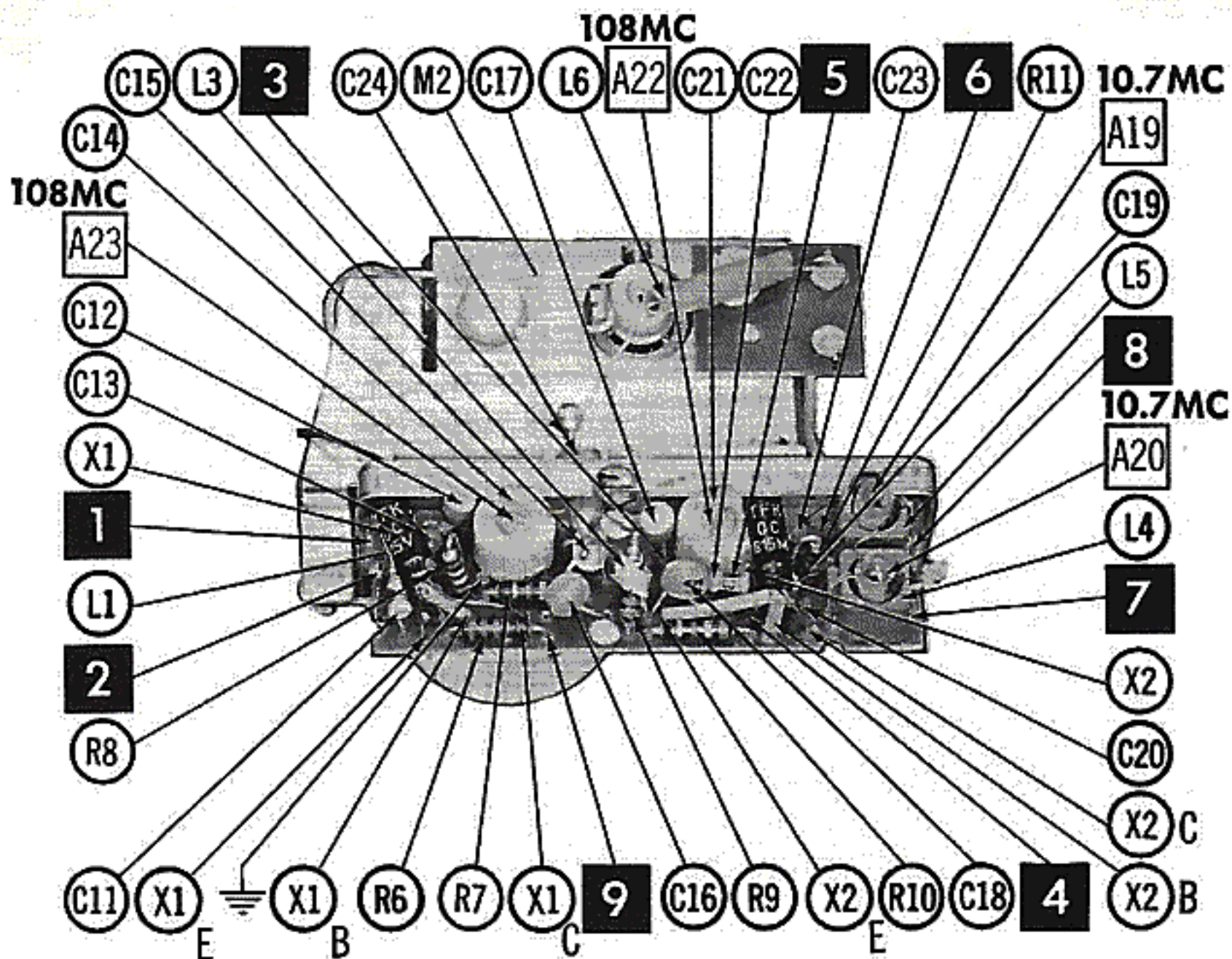
	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
5.	12MC	12MC	Across voice coil.	A10	Adjust for maximum.
6.	6.1MC	6.1MC	"	A11	"
7.	10MC	10MC	"	A12	"
8.	6.1MC	6.1MC	"	A13	"

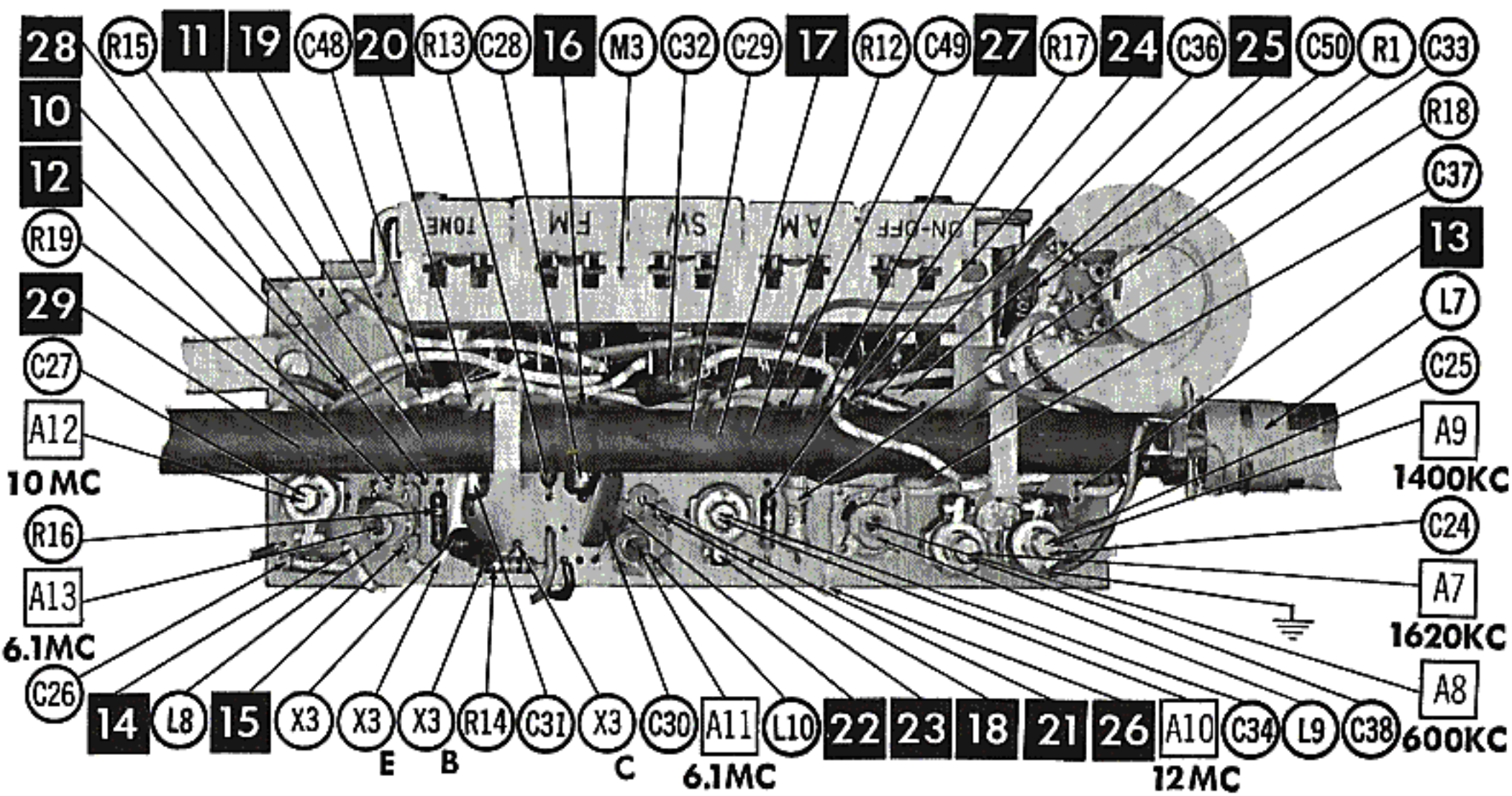
SELECTOR IN FM POSITION

	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
9.	10.7MC	Tuning gang fully open.	DC probe of VTVM to point A, common to ground.	A14 thru A20	Adjust for maximum.
10.	10.7MC	"	DC probe to point B, common to point C.	A21	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.
11.	108MC	108MC	DC probe to point A, common to ground.	A22, A23	Adjust for maximum.

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







PARTS LIST AND DESCRIPTION

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid 22AWG) Available in 12 Colors
 8524 (Stranded 22AWG)
 8570 (Stranded 26AWG)

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	OC615	FM RF Amp.	DS-25	GE-1		PNP
X2	OC615	FM Converter	DS-25	GE-1		PNP
X3	OC614	1st FM IF Amp. -AM Conv.	DS-25	GE-1		PNP
X4	AF105	2nd FM IF Amp. - 1st AM IF Amp.	DS-25	GE-1		PNP
X5	AF105	3rd FM IF Amp. - 2nd AM IF Amp.	DS-25	GE-1		PNP
X6	OC304①	AF Amplifier	DS-26	GE-2	2N408	PNP
X7	OC71	Driver	DS-26	GE-2	2N408	PNP
X8	OC74	Output	DS-26	GE-2	2N408	PNP
X9	OC74	Output	DS-26	GE-2	2N408	PNP

① Alternate Type OC75.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		PART No.	REPLACEMENT DATA					
	CAP.	VOLT.		AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	100	15		CRE473A	NLW100-15	MT1-19	MLV100-15	TT15X100	TE-1162
C2	400	10			BR500-12				
C3	2	50		CRE751A	NLW2-50	MT1-1	MLV2-50	TT50X2	TE-1301
C4	5	25		CRE604A	NLW5-50	MT1-3	MLV5-25	TT25X5	TE-1202
C5	10	12		CRE407A	NLW10-15	MT1-5	MLV10-12	TT12X10	TE-1128
C6	10	12		CRE407A	NLW10-15	MT1-5	MLV10-12	TT12X10	TE-1128
C7	100	3		CRE223	NLW100-3	MT1-18	MLV100-3	TT6X100	TE-1059.5

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA						
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.	
C10	12 N750			TCN-12					
C11	40 N750			TCN-40					
C12	470		DI-470	DD-471	LA10T47	CCD-471	GP347	10TS-T47	
C13	300		SI 300	D6-301	LA10T3	CCD-301	GP320	10TS-T30	
C14	3-12								
C15	10 N750		N750-DI 10	TCN-10	C10Q1U	CCTN-100	CN7-410	10TCU-Q10	
C16	5 N150							10TCP-Q50	
C17	470		DI-470	DD-471	LA10T47	CCD-471	GP347	10TS-T47	
C18	5 N750			TCN-5	C10V5U	CCTN-050	CNO-547	10TCU-V50	
C19	.001		SI 1000	D6-102	LA10T1	CCD-102	GP210	10TS-D10	
C20	51 N750		N750-SI 50	TCN-51	C10Q51U			10TCU-Q50	
C21	3-12								
C22	13 N150							10TCP-Q12	
C23	50		SI 50	D6-500	LA10Q5	CCD-500	GP450	10TS-Q50	
C24	.001		EF-001	MFT-1000		CCF-102	CT280A		
C25	2-20								
C26	50		SI 50	D6-500	LA10Q5	CCD-500	GP450	10TS-Q50	
C27	2-20								
C28	.022 125V		P288N-022	DD-203	CUB4S22	4DP-2-223	GEM-4122	2TM-S22	
C29	82		SI 82	D6-820	LA10Q82	CCD-820	GP482	10TS-Q82	
C30	.047		TTD-05	CK-503	H5		TA-150	TG-S50	
C31	.01 125V		P288N-01	D6-103	CUB4SI	4DP-1-103	GEM-411	4TM-S1	
C32	.01 125V		P288N-01	D6-103	CUB4SI	4DP-1-103	GEM-411	4TM-S1	
C33	60 N750		N750-SI 62	TCN-62	C10Q62U	CCTN-620	CN7-362	10TCU-Q62	
C34	2-20								
C35	.004		P288N-004	D6-402	BYA10D4	CCD-402	B-240	10TS-D40	
C36	385		SI 390	D6-401		LA10T4	GP339		
C37	15 N150							10TCP-Q15	
C38	2-20								
C39	.025		TTD-025	CK-253	H4		TA-125	TG-S25	
C40	.015 160V		P288N-015	DD-153	CUB4S15	4DP-1-153	GEM-4115	4TM-S15	
C41	.025		TTD-025	CK-253	H4		TA-125	TG-S25	
C42	.025		TTD-025	CK-253	H4		TA-125	TG-S25	
C43	.015 160V		P288N-015	DD-153	CUB4S15	4DP-1-153	GEM-4115	4TM-S15	
C44	.0047		SI 4700	D6-472	BYA10D47M	CCD-472	B-247	5HK-D47	
C45	.0047		SI 4700	D6-472	BYA10D47M	CCD-472	B-247	5HK-D47	
C46	.0047		SI 4700	D6-472	BYA10D47M	CCD-472	B-247	5HK-D47	
C47	.0047		SI 4700	D6-472	BYA10D47M	CCD-472	B-247	5HK-D47	
C48	.1 160V		P288N-1		CUB2P1	2DP-3-104	GEM-201	2TM-P10	
C49	.1 160V		P288N-1		CUB2P1	2DP-3-104	GEM-201	2TM-P10	
C50	.01 160V		P288N-01	D6-103	CUB4SI	4DP-1-103	GEM-411	4TM-S10	
C51	.022 125V		P288N-022	DD-203	CUB4S22	4DP-2-223	GEM-4122	4TM-S22	
C52	.22 160V		P288N-22		CUB4P22	2DP-5-224	GEM-2022	2TM-P22	

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume	20K	L9123				
R2	Bias	3000Ω					

PARTS LIST AND DESCRIPTION (CONTINUED)

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		Nordmende PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	FM Ant.	423.117					
L2	FM RF-Osc.	523.262					
L3	RF Choke	420.114					
L4	1st FM IF	423.404					
L5	2nd FM IF	423.405					
L6	Choke	423.505					
L7	Loopstick	L21123					
L8	SW Ant. Coll	423.320					
L9	BC Osc.	423.214					
L10	SW Osc.	423.321					
L11	3rd FM-1st AM IF	L20114					
L12	4th FM-2nd AM IF	L20113					
L13	Ratio Det. - 3rd AM IF	L20112					
L14	Choke	423.100					
L15	Choke	423.008					

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO		REPLACEMENT DATA					NOTES
			Nordmende PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC.						
T1	1.5	1	L3114					

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
			Nordmende PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC.						
T2	75Ω CT	8-10Ω	L3113					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		Nordmende PART No.	QUAM PART No.	
SP1	4" PM 8-10Ω	L1117	4A1Z8	

BATTERIES

ITEM No.	VOLTAGE	Nordmende PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	9		130 (or AL-1)	635 (or E93)	M-14R (or MN1400)	6 Required

MISCELLANEOUS

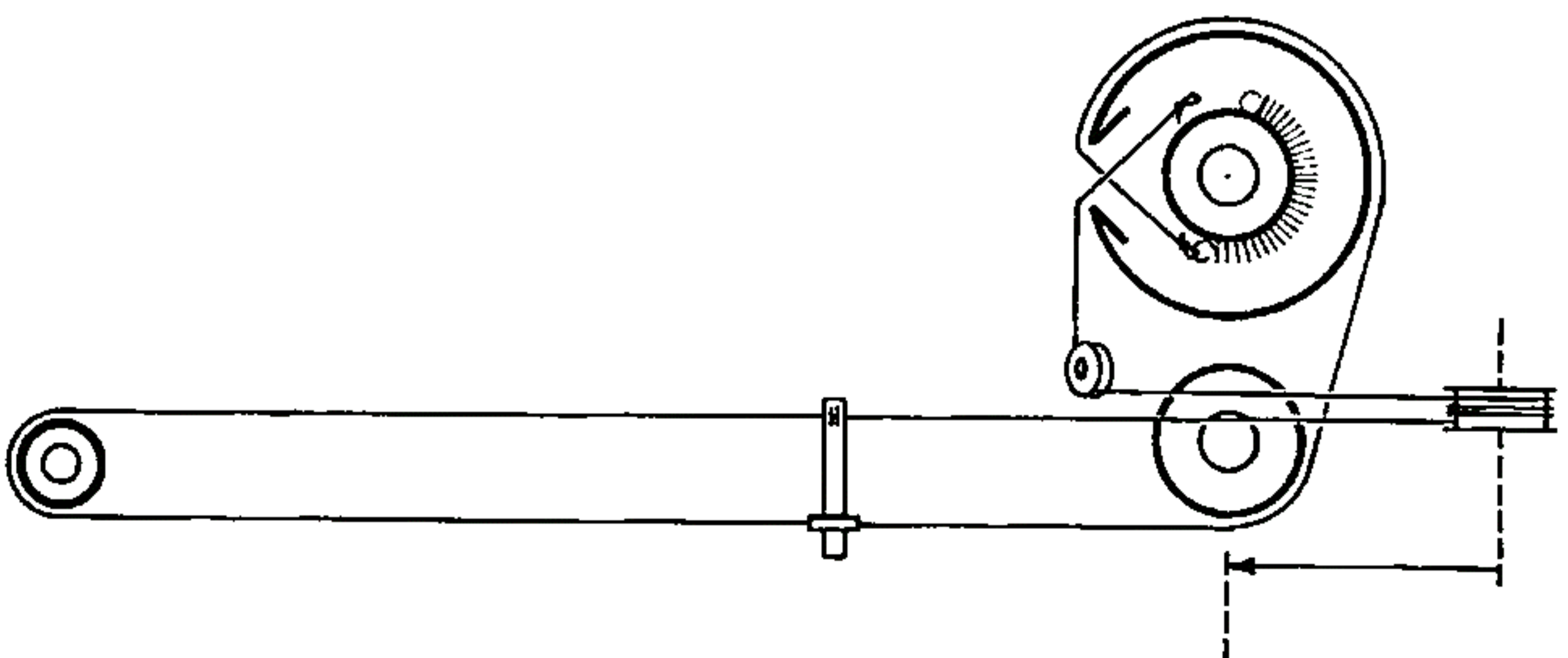
ITEM No.	PART NAME	Nordmende PART No.	NOTES
M2	Tuning Cap.	L14106	
M3	Switch, Function	L4107	
M4	Ratio Det.(AA112-2)	L21121	
M5	Ratio Det.(AA112-2)	L21121	
M6	AM Det. (OA160)	L21120	
M7	FM Tuner	L22104	

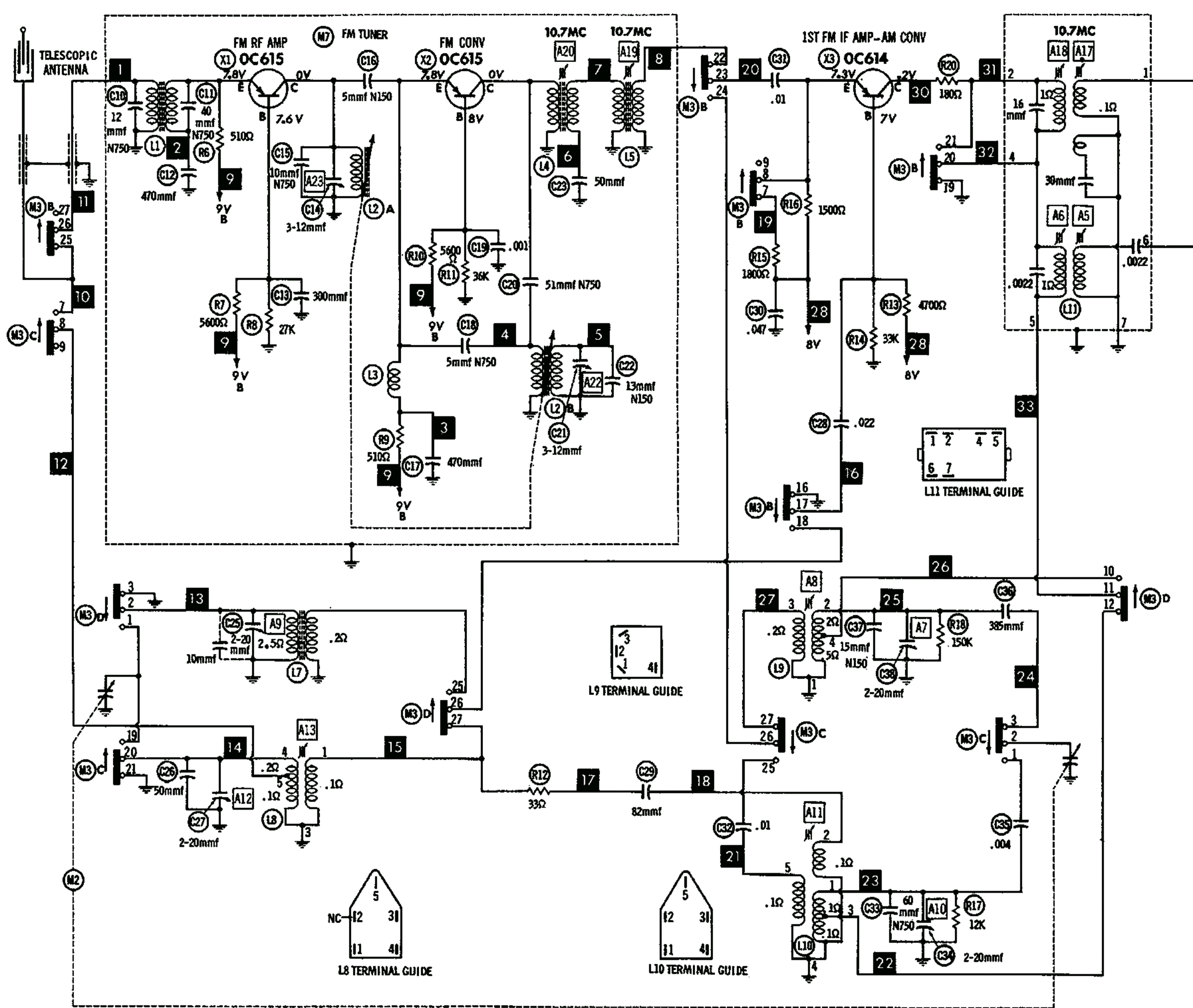
CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob - Tuning	L8123	Cabinet Front	L17129
Knob - Volume	L8122	Cabinet Back	L17128

DIAL CORD STRINGING





MEASURED IN "AM" POSITION

- ⊙ See parts list for alternate value or application.
- 1. Voltage measurements taken with vacuum tube voltmeter.
- 2. All controls set for normal operation, no signal applied.
- 3. Measured values are from socket pin or terminal to common ground.
- 4. All terminals viewed from bottom unless otherwise designated.
- 5. Numbers assigned to terminals may not be found on the unit.
- 6. Supply voltage maintained at rated value for voltage readings.
- 7. Resistance measurements not given because of the wide variation in internal resistance of transistor.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
with CIRCUITRACE

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FUNCTION SWITCH (M3) TERMINAL GUIDE
SHOWN WITH FM AND ON-OFF BUTTONS
DEPRESSED

