

*Most - Often - Needed*

# ARVIN

## RADIO DIAGRAMS

*and Servicing Information*



Compiled by  
**M. N. BEITMAN**

**SUPREME PUBLICATIONS**  
CHICAGO — 1947

## MOST-OFTEN-NEEDED ARVIN DIAGRAMS

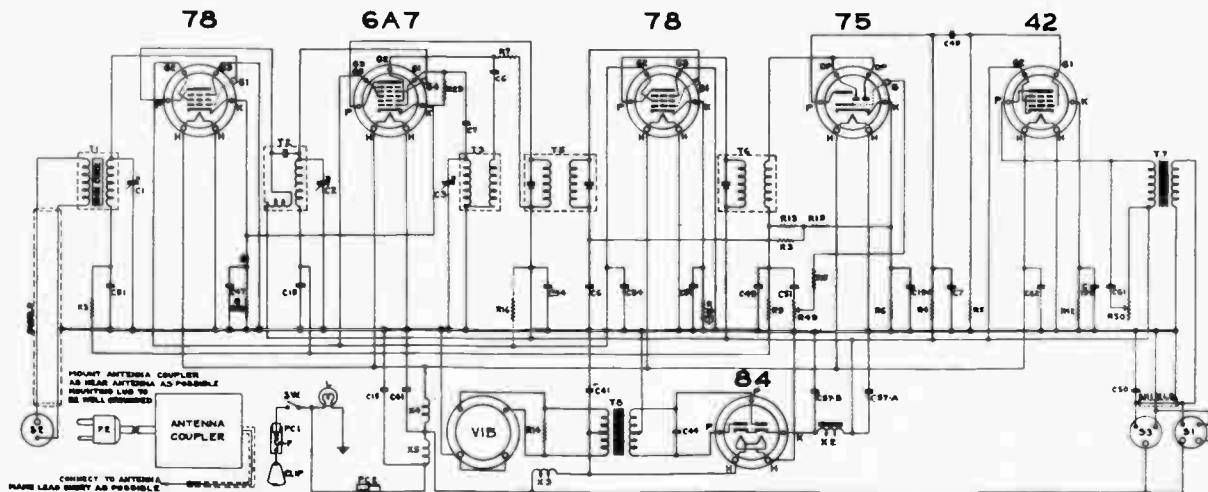
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## ARVIN CAR RADIO~MODEL 28

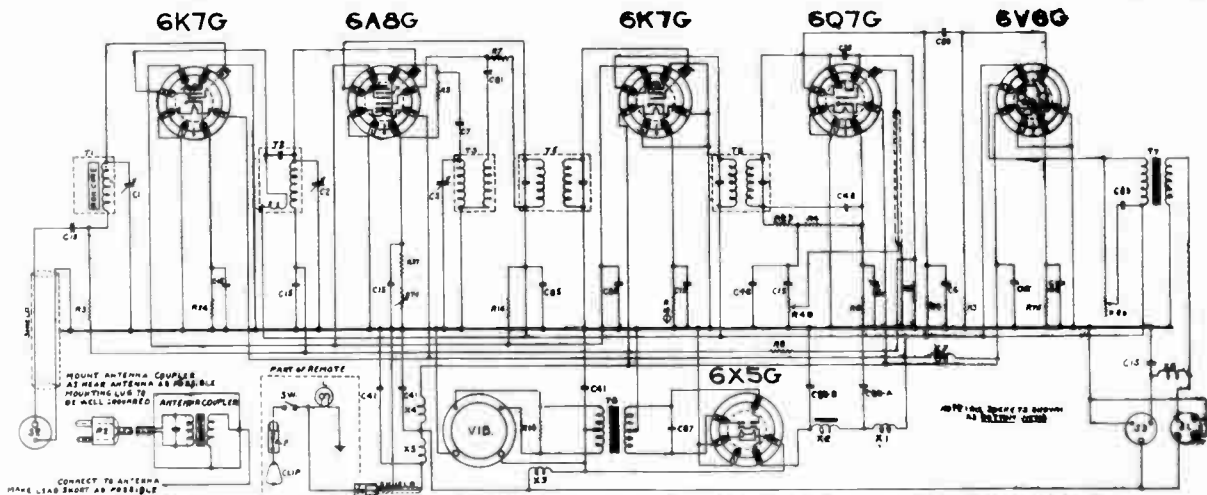


RESISTORS				CAPACITORS				COILS & TRANSFORMERS				MISCELLANEOUS UNITS			
SYMBOL	PART NO.	RESISTANCE	TOLERANCE	SYMBOL	PART NO.	CAPACITY	TOLERANCE	SYMBOL	PART NO.	TYPE	DESCRIPTION	SYMBOL	PART NO.	DESCRIPTION	
R1	100	100K	±5%	C1	100	100P	±5%	T1	100	100	ANTENNA COUPLER	PC1	100	100	
R2	100	100K	±5%	C2	100	100P	±5%	T2	100	100	1ST AF	PC2	100	100	
R3	100	100K	±5%	C3	100	100P	±5%	T3	100	100	2ND AF	PC3	100	100	
R4	100	100K	±5%	C4	100	100P	±5%	T4	100	100	3RD AF	PC4	100	100	
R5	100	100K	±5%	C5	100	100P	±5%	T5	100	100	4TH AF	PC5	100	100	
R6	100	100K	±5%	C6	100	100P	±5%	T6	100	100	5TH AF	PC6	100	100	
R7	100	100K	±5%	C7	100	100P	±5%	T7	100	100	6TH AF	PC7	100	100	
R8	100	100K	±5%	C8	100	100P	±5%	T8	100	100	7TH AF	PC8	100	100	
R9	100	100K	±5%	C9	100	100P	±5%	T9	100	100	8TH AF	PC9	100	100	
R10	100	100K	±5%	C10	100	100P	±5%	T10	100	100	9TH AF	PC10	100	100	

I.F. PEAK 170 K.C.  
BALANCE AT 1400 K.C.  
CHECK AT 1000 & 600 K.C.

MOST-OFTEN-NEEDED ARVIN DIAGRAMS

## ARVIN CAR RADIO - MODEL 29

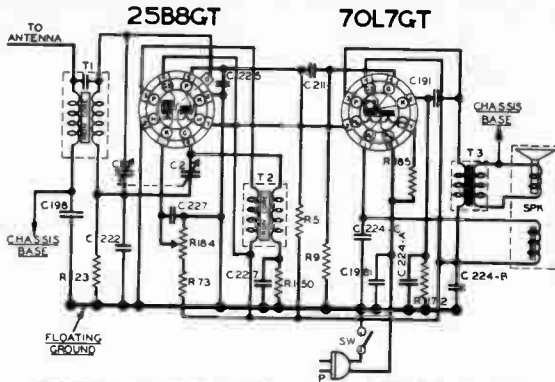


RESISTORS				CONDENSERS				CHOKES & TRANSFORMERS				MISCELLANEOUS PARTS	
RESISTOR	WATT	RESISTANCE	TYPE	CAPACITY	VOLTS	TYPE	WATT	TYPE	PART NO.	TYPE	DESCRIPTION	PART NO.	DESCRIPTION
100K	1/2	100,000	GEN	500MFD	50	600	17-1000	TRANSFORMER	60-4750	1	SPRING SOCKET (POWER CASE)	60-4750	SPRING SOCKET (POWER CASE)
200K	1/2	200,000	GEN	100MFD	50	300	17-1000	ANTENNA COIL	60-4750	1	ANTENNA SOCKET (ANTENNA COIL)	60-4750	ANTENNA SOCKET (ANTENNA COIL)
500K	1/2	500,000	GEN	50MFD	50	200	17-1000	DET. COIL	60-4750	1	ANTENNA COIL (DET. COIL)	60-4750	ANTENNA COIL (DET. COIL)
1M	1/2	1,000,000	GEN	25MFD	50	100	17-1000	LET. L.A. COIL	60-4750	1	POWER SOCKET (POWER CASE)	60-4750	POWER SOCKET (POWER CASE)
5M	1/2	5,000,000	GEN	10MFD	50	50	17-1000	DET. TRANSFORMER	60-4750	1	VIBRATOR	60-4750	VIBRATOR
10M	1/2	10,000,000	GEN	5MFD	50	25	17-1000	POWER TRANSFORMER	60-4750	1	RESISTOR (POWER CASE)	60-4750	RESISTOR (POWER CASE)
50M	1/2	50,000,000	GEN	2.5MFD	50	12.5	17-1000						
100M	1/2	100,000,000	GEN	1.25MFD	50	6.25	17-1000						
500M	1/2	500,000,000	GEN	0.5MFD	50	2.5	17-1000						
1M	1/2	1,000,000,000	GEN	0.25MFD	50	1.25	17-1000						
5M	1/2	5,000,000,000	GEN	0.125MFD	50	0.625	17-1000						
10M	1/2	10,000,000,000	GEN	0.0625MFD	50	0.3125	17-1000						
50M	1/2	50,000,000,000	GEN	0.03125MFD	50	0.15625	17-1000						
100M	1/2	100,000,000,000	GEN	0.015625MFD	50	0.078125	17-1000						
500M	1/2	500,000,000,000	GEN	0.0078125MFD	50	0.0390625	17-1000						
1M	1/2	1,000,000,000,000	GEN	0.00390625MFD	50	0.01953125	17-1000						
5M	1/2	5,000,000,000,000	GEN	0.001953125MFD	50	0.009765625	17-1000						
10M	1/2	10,000,000,000,000	GEN	0.0009765625MFD	50	0.0048828125	17-1000						
50M	1/2	50,000,000,000,000	GEN	0.00048828125MFD	50	0.00244140625	17-1000						
100M	1/2	100,000,000,000,000	GEN	0.000244140625MFD	50	0.001220703125	17-1000						

I.F. PEAK 170 K.C.  
BALANCE AT 1900 K.C.  
CHECK AT 1000 & 600 K.C.

MOST-OFTEN-NEEDED ARVIN DIAGRAMS

## MOST-OFTEN-NEEDED ARVIN DIAGRAMS



RESISTORS		CONDENSERS		MISCELLANEOUS UNITS		
R	QTY # PART NO.	C	CAPACITY VOLTS PART NO.	SYMBOL	DESCRIPTION	PART NO.
1	100K 1/2 W	17-2010	1000 MICRO	17-4136	LINE COND. & PLUG ASSEMBLY	17-2332
2	50K 1/2 W	17-2003	1 MICRO	17-4136	SPEAKER ASSEMBLY	17-2332
23	100K 1/2 W	17-301			LINE BATT. CAP.	17-2320
73	50K 1/2 W	17-4138	500 P	400	ANTENNA COIL	17-2311
84	10K 1/2 W	17-4422	1 P	400	AF COIL	17-2311
150	100K 1/2 W	17-4000	220 P	400	AF COIL	17-2311
185	50K 1/2 W	17-4138	1 P	400	AF COIL	17-2311
224-R	10K 1/2 W	17-4138	1 P	400	AF COIL	17-2311
24	10K 1/2 W	17-4138	1 P	400	AF COIL	17-2311
24	10K 1/2 W	17-4138	1 P	400	AF COIL	17-2311
24	10K 1/2 W	17-4138	1 P	400	AF COIL	17-2311
24	10K 1/2 W	17-4138	1 P	400	AF COIL	17-2311
24	10K 1/2 W	17-4138	1 P	400	AF COIL	17-2311

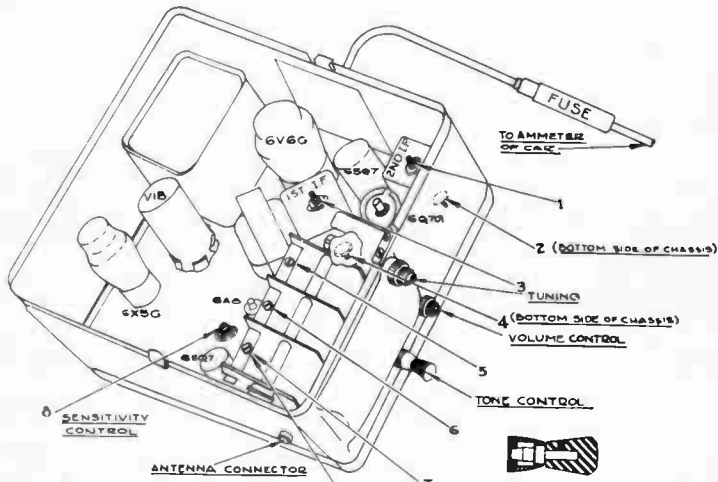
SYMBOL	DESCRIPTION	PART NO.
J	JUNCTION	
SW	SWITCH	
SP	SPEAKER	
TA	TAP	
TR	TRANSFORMER	

FREQUENCY RANGE  
1700 KC. TO 540 KC.

NOBLITT-SPARKS INDUSTRIES, INC.  
COLUMBUS, INDIANA

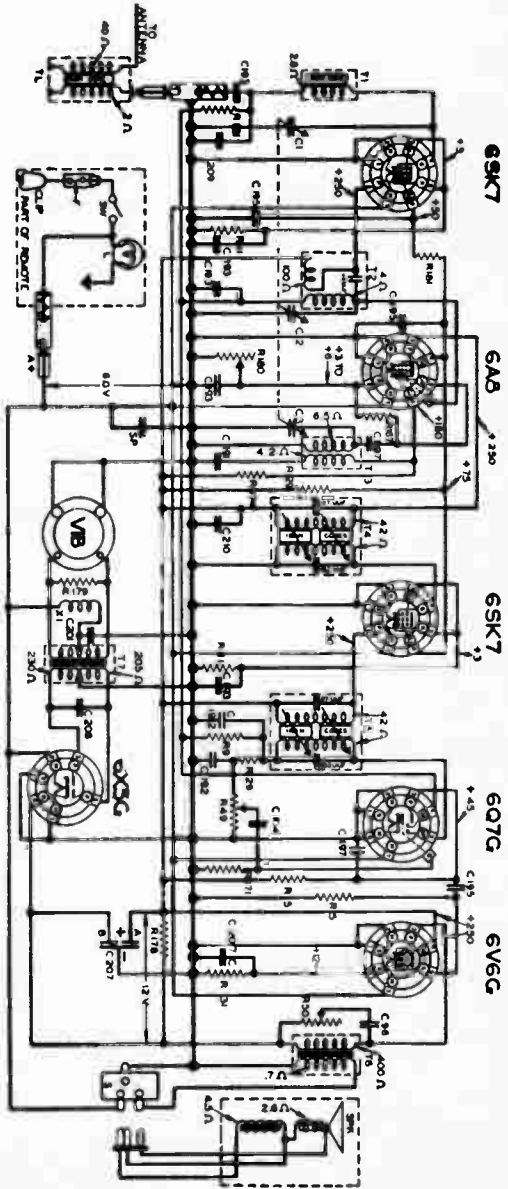
Model 40

## ARVIN MODEL 44C CAR RADIO



ADJUST THIS ANTENNA BALANCING SCREW AFTER INSTALLATION OF THE RADIO ON THE CAR. TUNE IN A WEAK STATION FROM 1000 TO 1400 K.C. AND TURN UNTIL MAXIMUM VOLUME IS OBTAINED.

ARVIN CAR RADIO CHASSIS RE46 Model I 44C



NOTE - ALL VOLTAGES GIVEN FOR W. INPUT OF 500 Ω. ALLOW FOR ALL VOLTAGE RESISTANCES OF WINDING.

RESISTORS		CAPACITORS		TUBES		COILS		SPEAKERS	
TYPE	VALUE	TYPE	VALUE	TYPE	MANUFACTURER	TYPE	INDUCTIVE REACTANCE	TYPE	IMPEDANCE
R1	100 Ω	C1	0.001 μF	6S7	GEN. ELECTRIC	L1	500 Ω	S1	500 Ω
R2	200 Ω	C2	0.001 μF	6A8	GEN. ELECTRIC	L2	100 Ω	S2	500 Ω
R3	500 Ω	C3	0.001 μF	6G7G	GEN. ELECTRIC	L3	100 Ω	S3	500 Ω
R4	100 Ω	C4	0.001 μF	6V6C	GEN. ELECTRIC	L4	100 Ω	S4	500 Ω
R5	200 Ω	C5	0.001 μF						
R6	500 Ω	C6	0.001 μF						
R7	100 Ω	C7	0.001 μF						
R8	200 Ω	C8	0.001 μF						
R9	500 Ω	C9	0.001 μF						
R10	100 Ω	C10	0.001 μF						
R11	200 Ω								
R12	500 Ω								

INTERMEDIATE FREQUENCY 170 KC  
 FREQUENCY RANGE 550 TO 340 KC  
 KODAK SAFETY FILM  
 COLUMBIA BATTERY

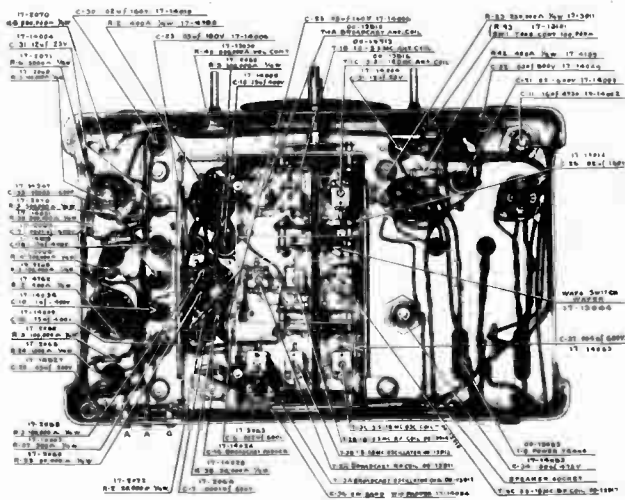
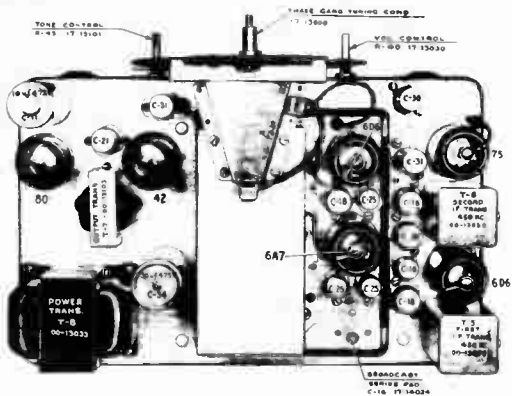
MOST-OFTEN-NEEDED ARVIN DIAGRAMS





MOST-OFTEN-NEEDED ARVIN DIAGRAMS

# MODELS NO. 61-62 1935-1936



### MODEL 61-62 SOCKET VOLTAGES

Tube	Heater	Control	Suppressor Grid	Screen Grid	Plate	*Full-Rate Cold 1500 EC	*Anode Grid	Diode Plate
78-4D5	6.3	3.0	3.0	90	250			
647	6.3	3.0	3.0	90	250	3-10	180	
6D6	6.3	3.0	3.0	90	250			
75	6.3	1.5	—	—	120			12.9
42	6.3	18.0	—	250	240			
80	5.0	3.0	—	—	300 A.C.			

DNOT ACROSS SPEAKER FIELD—80 V  
\*—Measured with Vacuum Tube Voltmeter  
†—No Signal

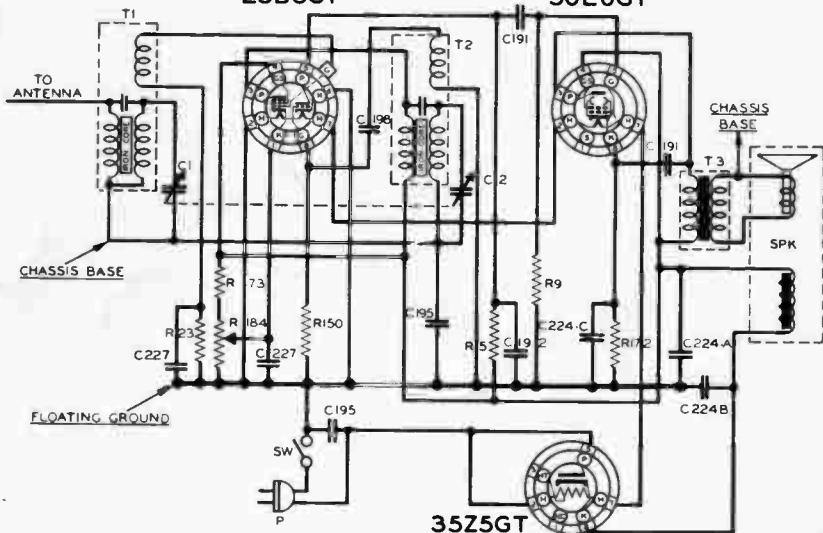


MOST-OFTEN-NEEDED ARVIN DIAGRAMS

ARVIN HOME RADIO CHASSIS RE-55

25B8GT

50L6GT



RESISTORS				CONDENSERS				MISCELLANEOUS UNITS		
R	OHMS	W	PART NO.	C	CAPACITY	VOLT	PART NO.	SYMBOL	DESCRIPTION	PART NO.
3	500K	1/4	17-2076		TWO GANG		17-14318	P	LINE COIL & PLUG ASSEMBLY	17-14338
9	1M	1/4	17-2080	2	VARIABLE			SP	SPEAKER ASSEMBLY	17-14328
23	250K	1/4	17-3011	1B1	.01	400	17-14272	SW	LINE SWITCH	17-14320
73	30K	1/4	17-4278	192	0.0025	800	17-14273	T1	ANTENNA COIL	00-18308
150	5M	1/4	17-14282	195	.05	400	17-14276	T2	A.F. COIL	00-18309
172	100	1/4	17-14287	198	.005	400	17-14270	T3	OUTPUT TRANSFORMER	00-18310
188	10R	V.C.	17-14320	224A	10 MFD.	150				
				224B	20 MFD.	150	17-14319			
				224C	20 MFD.	25				
				227	.05	200	17-14323			

FREQUENCY RANGE  
1700 K.C. TO 540 K.C.

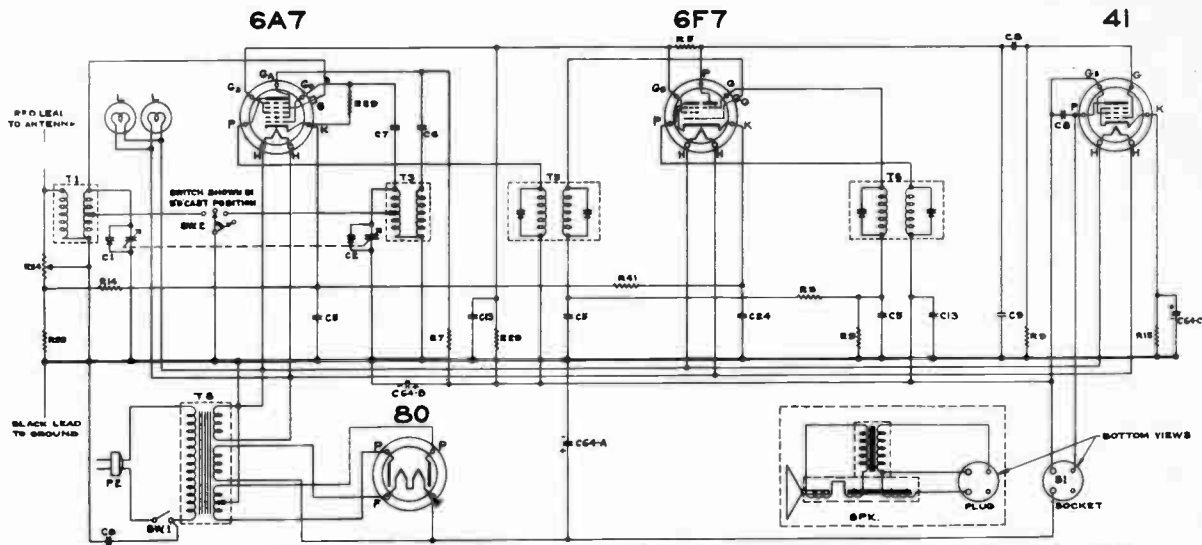
NOBLITT-SPARKS INDUSTRIES, INC.,  
COLUMBUS, INDIANA.

The lower of the two knobs serves throughout the first 15 degrees of its clockwise rotation to turn the set on and thereafter as a volume control.

The upper of the two knobs is the tuning knob and indicates the frequency to which the receiver is tuned.

Model 402

## ARVIN HOME RADIO MODELS 417 & 467



RESISTORS			CONDENSERS			CHOKES & TRANSFORMERS			MISCELLANEOUS UNITS		
VAL	PART NO	RESISTANCE	TYPE	VAL	PART NO	TYPE	VAL	PART NO	DESCRIPTION	PART NO	
3	500M	100T-2000	1	500M	100T-2000	1	ANTENNA COIL	30-14151	SW 1	VOLUME CONTROL SWITCH (SEE R34)	7-18759
7	500M	100T-2070	2	100M	100T-2000	2	OSCILLATOR COIL	30-14152	SW 2	BOARD SWITCH	7-18777
9	500M	100T-2030	3	100M	100T-2000	3	PURET IF. COIL	30-14153	SPK	DYNAMIC SPEAKER ASSEMBLY	7-18760
14	500M	100T-2287	4	100M	100T-2000	4	RECHG. IF. COIL	30-14154	DL	SPEAKER SOCKET	7-18026
15	500M	100T-2117	5	100M	100T-2000	5	POWER TRANS.	30-14155	L	DIAL LIGHT	7-19304
19	500M	100T-2040	6	100M	100T-2000	6			PE	POWER CORD & PLUG	7-18781
21	500M	100T-2058	7	100M	100T-2000	7					
24	500M	100T-1879	8	100M	100T-2000	8					
25	500M	100T-2047	9	100M	100T-2000	9					
			10	100M	100T-2000	10					
			11	100M	100T-2000	11					
			12	100M	100T-2000	12					
			13	100M	100T-2000	13					
			14	100M	100T-2000	14					
			15	100M	100T-2000	15					
			16	100M	100T-2000	16					
			17	100M	100T-2000	17					
			18	100M	100T-2000	18					
			19	100M	100T-2000	19					
			20	100M	100T-2000	20					
			21	100M	100T-2000	21					
			22	100M	100T-2000	22					
			23	100M	100T-2000	23					
			24	100M	100T-2000	24					
			25	100M	100T-2000	25					
			26	100M	100T-2000	26					
			27	100M	100T-2000	27					
			28	100M	100T-2000	28					
			29	100M	100T-2000	29					
			30	100M	100T-2000	30					

I.F. PEAK 456 K.C.  
BALANCE AT 1400 K.C.  
NOTE - THERE ARE NO ADJUSTMENTS ON THIS  
RECEIVER FOR THE POLICE BAND.

MOST-OFTEN-NEEDED ARVIN DIAGRAMS

MOST-OFTEN-NEEDED ARVIN DIAGRAMS

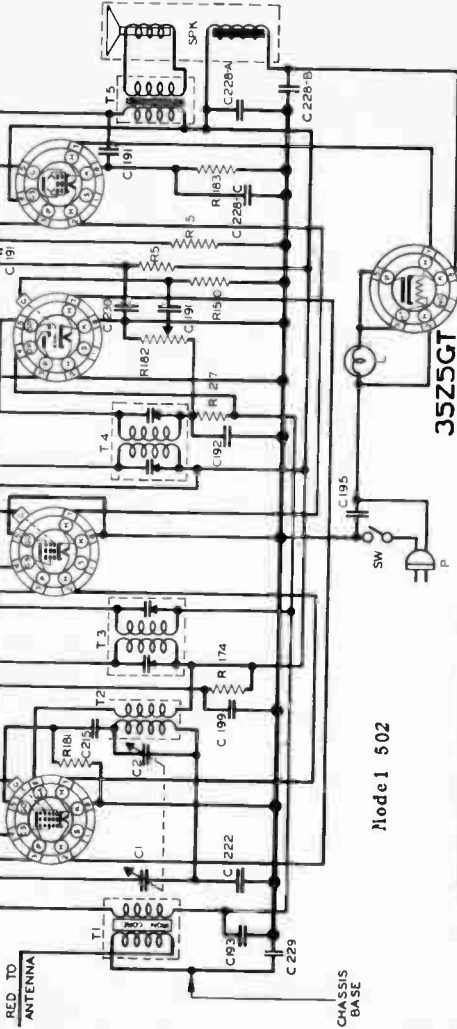
HOME RADIO CHASSIS RE 48

12A8GT

12K7GT

12Q7GT

50L6GT



Model 502

RESISTORS		CONDENSERS		TRANSFORMERS		MISCELLANEOUS UNITS	
QTY	PART NO.	QTY	PART NO.	QTY	PART NO.	QTY	PART NO.
1	500K	1	500K	1	500K	1	500K
1	100K	1	100K	1	100K	1	100K
1	50K	1	50K	1	50K	1	50K
1	25K	1	25K	1	25K	1	25K
1	10K	1	10K	1	10K	1	10K
1	5K	1	5K	1	5K	1	5K
1	2.5K	1	2.5K	1	2.5K	1	2.5K
1	1K	1	1K	1	1K	1	1K
1	500Ω	1	500Ω	1	500Ω	1	500Ω
1	250Ω	1	250Ω	1	250Ω	1	250Ω
1	100Ω	1	100Ω	1	100Ω	1	100Ω
1	50Ω	1	50Ω	1	50Ω	1	50Ω
1	25Ω	1	25Ω	1	25Ω	1	25Ω
1	10Ω	1	10Ω	1	10Ω	1	10Ω
1	5Ω	1	5Ω	1	5Ω	1	5Ω
1	2.5Ω	1	2.5Ω	1	2.5Ω	1	2.5Ω
1	1Ω	1	1Ω	1	1Ω	1	1Ω
1	500Ω	1	500Ω	1	500Ω	1	500Ω
1	250Ω	1	250Ω	1	250Ω	1	250Ω
1	100Ω	1	100Ω	1	100Ω	1	100Ω
1	50Ω	1	50Ω	1	50Ω	1	50Ω
1	25Ω	1	25Ω	1	25Ω	1	25Ω
1	10Ω	1	10Ω	1	10Ω	1	10Ω
1	5Ω	1	5Ω	1	5Ω	1	5Ω
1	2.5Ω	1	2.5Ω	1	2.5Ω	1	2.5Ω
1	1Ω	1	1Ω	1	1Ω	1	1Ω
1	500Ω	1	500Ω	1	500Ω	1	500Ω
1	250Ω	1	250Ω	1	250Ω	1	250Ω
1	100Ω	1	100Ω	1	100Ω	1	100Ω
1	50Ω	1	50Ω	1	50Ω	1	50Ω
1	25Ω	1	25Ω	1	25Ω	1	25Ω
1	10Ω	1	10Ω	1	10Ω	1	10Ω
1	5Ω	1	5Ω	1	5Ω	1	5Ω
1	2.5Ω	1	2.5Ω	1	2.5Ω	1	2.5Ω
1	1Ω	1	1Ω	1	1Ω	1	1Ω
1	500Ω	1	500Ω	1	500Ω	1	500Ω
1	250Ω	1	250Ω	1	250Ω	1	250Ω
1	100Ω	1	100Ω	1	100Ω	1	100Ω
1	50Ω	1	50Ω	1	50Ω	1	50Ω
1	25Ω	1	25Ω	1	25Ω	1	25Ω
1	10Ω	1	10Ω	1	10Ω	1	10Ω
1	5Ω	1	5Ω	1	5Ω	1	5Ω
1	2.5Ω	1	2.5Ω	1	2.5Ω	1	2.5Ω
1	1Ω	1	1Ω	1	1Ω	1	1Ω
1	500Ω	1	500Ω	1	500Ω	1	500Ω
1	250Ω	1	250Ω	1	250Ω	1	250Ω
1	100Ω	1	100Ω	1	100Ω	1	100Ω
1	50Ω	1	50Ω	1	50Ω	1	50Ω
1	25Ω	1	25Ω	1	25Ω	1	25Ω
1	10Ω	1	10Ω	1	10Ω	1	10Ω
1	5Ω	1	5Ω	1	5Ω	1	5Ω
1	2.5Ω	1	2.5Ω	1	2.5Ω	1	2.5Ω
1	1Ω	1	1Ω	1	1Ω	1	1Ω
1	500Ω	1	500Ω	1	500Ω	1	500Ω
1	250Ω	1	250Ω	1	250Ω	1	250Ω
1	100Ω	1	100Ω	1	100Ω	1	100Ω
1	50Ω	1	50Ω	1	50Ω	1	50Ω
1	25Ω	1	25Ω	1	25Ω	1	25Ω
1	10Ω	1	10Ω	1	10Ω	1	10Ω
1	5Ω	1	5Ω	1	5Ω	1	5Ω
1	2.5Ω	1	2.5Ω	1	2.5Ω	1	2.5Ω
1	1Ω	1	1Ω	1	1Ω	1	1Ω
1	500Ω	1	500Ω	1	500Ω	1	500Ω
1	250Ω	1	250Ω	1	250Ω	1	250Ω
1	100Ω	1	100Ω	1	100Ω	1	100Ω
1	50Ω	1	50Ω	1	50Ω	1	50Ω
1	25Ω	1	25Ω	1	25Ω	1	25Ω
1	10Ω	1	10Ω	1	10Ω	1	10Ω
1	5Ω	1	5Ω	1	5Ω	1	5Ω
1	2.5Ω	1	2.5Ω	1	2.5Ω	1	2.5Ω
1	1Ω	1	1Ω	1	1Ω	1	1Ω

IF PEAK 455 K.C.  
BALANCE 1400 K.C. - CHECK AT 600K.C.  
NOBLITT-SPARKS INDUSTRIES, INC.,  
COLUMBUS, INDIANA

Operation:

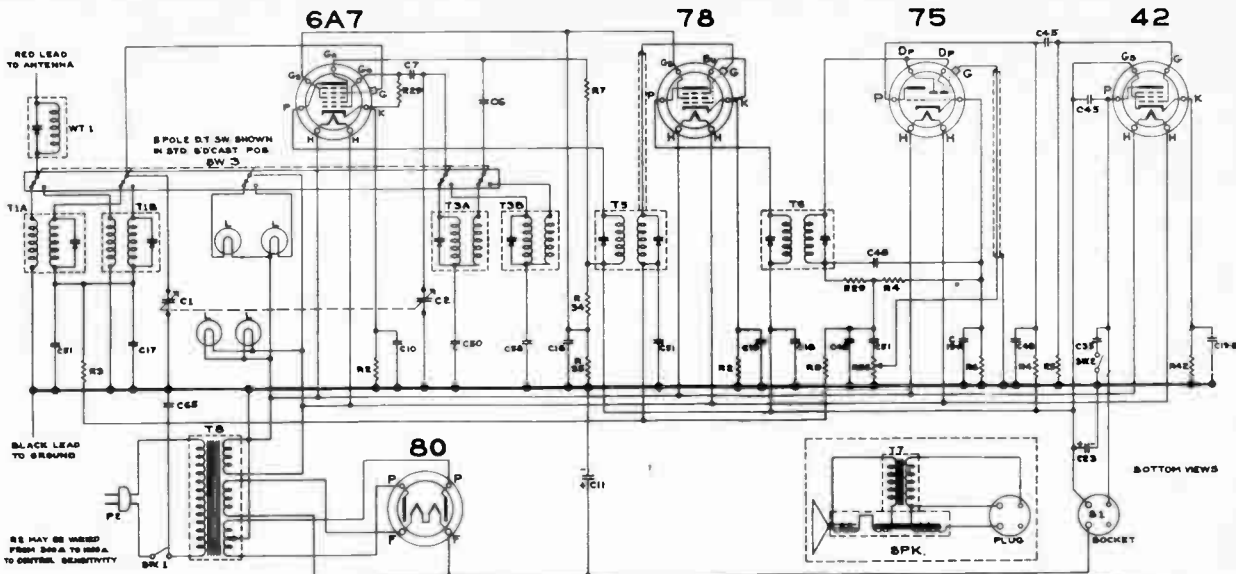
When installed in accordance with the preceding instructions, the receiver is ready for operation. The left hand knob, in its extreme counter-clockwise position, turns the receiver off. Rotating this knob in a clockwise direction first turns the set on and thereafter increases the volume.

The right hand knob will tune in stations in whose service area the receiver is located. Turning this knob operates an indicator behind the dial face, showing the frequency to which the receiver is tuned.

The receiver is supplied with 30 feet of antenna wire fixed to the chassis. This wire is in the form of a tightly wrapped bundle and should be stretched out full length under a rug or around the edge of the room for best operation of the receiver. When practical, although not necessary, even better results will be obtained if a small outside antenna of approximately 50 ft. is used.

In rural areas, or in areas where signal strengths are low, use of a small outside antenna will result in better reception.

## ARVIN HOME RADIO MODELS 517 & 527

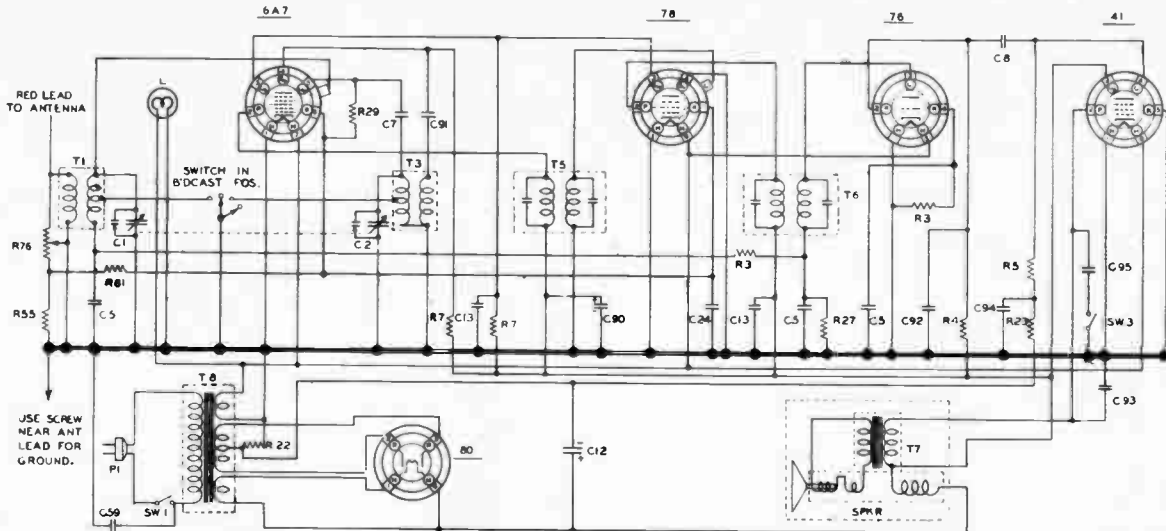


MOST-OFTEN-NEEDED ARVIN DIAGRAMS

RESISTORS		CONDENSERS		SOCKETS & TRANSFORMERS		MISCELLANEOUS	
NO.	VALUE	TYPE	NO.	VALUE	TYPE	NO.	DESCRIPTION
1	500K	MICA	1	500K	MICA	1	WAVE TRAP
2	500K	MICA	2	500K	MICA	2	DYNAMIC SPEAKER ABBY.
3	500K	MICA	3	500K	MICA	3	DYNAMIC SPEAKER ABBY.
4	500K	MICA	4	500K	MICA	4	ON-OFF SWITCH (SEE R66)
5	500K	MICA	5	500K	MICA	5	THREE CONTROL SWITCH
6	500K	MICA	6	500K	MICA	6	BAND SWITCH
7	500K	MICA	7	500K	MICA	7	DIAL LIGHT
8	500K	MICA	8	500K	MICA	8	SPEAKER SOCKET
9	500K	MICA	9	500K	MICA	9	POWER CORE & PLUG
10	500K	MICA	10	500K	MICA	10	
11	500K	MICA	11	500K	MICA	11	
12	500K	MICA	12	500K	MICA	12	
13	500K	MICA	13	500K	MICA	13	
14	500K	MICA	14	500K	MICA	14	
15	500K	MICA	15	500K	MICA	15	
16	500K	MICA	16	500K	MICA	16	
17	500K	MICA	17	500K	MICA	17	
18	500K	MICA	18	500K	MICA	18	
19	500K	MICA	19	500K	MICA	19	
20	500K	MICA	20	500K	MICA	20	
21	500K	MICA	21	500K	MICA	21	
22	500K	MICA	22	500K	MICA	22	
23	500K	MICA	23	500K	MICA	23	
24	500K	MICA	24	500K	MICA	24	
25	500K	MICA	25	500K	MICA	25	
26	500K	MICA	26	500K	MICA	26	
27	500K	MICA	27	500K	MICA	27	
28	500K	MICA	28	500K	MICA	28	
29	500K	MICA	29	500K	MICA	29	
30	500K	MICA	30	500K	MICA	30	
31	500K	MICA	31	500K	MICA	31	
32	500K	MICA	32	500K	MICA	32	
33	500K	MICA	33	500K	MICA	33	
34	500K	MICA	34	500K	MICA	34	
35	500K	MICA	35	500K	MICA	35	
36	500K	MICA	36	500K	MICA	36	
37	500K	MICA	37	500K	MICA	37	
38	500K	MICA	38	500K	MICA	38	
39	500K	MICA	39	500K	MICA	39	
40	500K	MICA	40	500K	MICA	40	
41	500K	MICA	41	500K	MICA	41	
42	500K	MICA	42	500K	MICA	42	
43	500K	MICA	43	500K	MICA	43	
44	500K	MICA	44	500K	MICA	44	
45	500K	MICA	45	500K	MICA	45	
46	500K	MICA	46	500K	MICA	46	
47	500K	MICA	47	500K	MICA	47	
48	500K	MICA	48	500K	MICA	48	
49	500K	MICA	49	500K	MICA	49	
50	500K	MICA	50	500K	MICA	50	

I.F. PEAK 456 K.C.  
2 BANDS BALANCE AT 1000K; PAD AT 500K;  
BALANCE AT 150 K; CHECK AT 50 K.C.

# ARVIN HOME RADIO MODELS 518-518A-568-568A



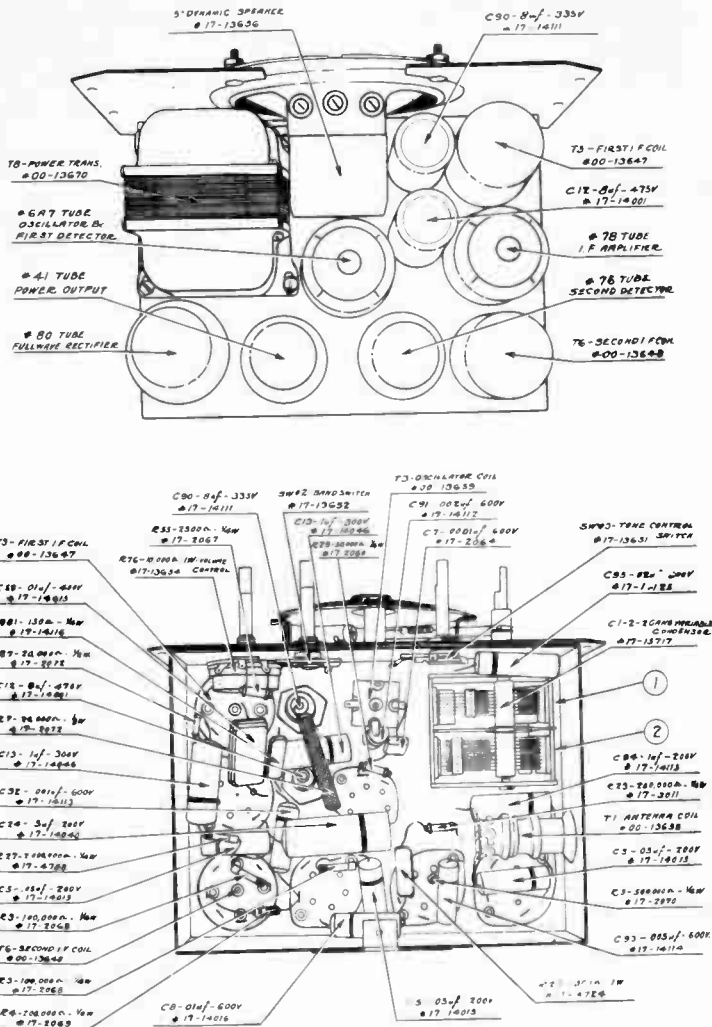
RESISTORS			CAPACITORS			TRANSFORMERS			MISCELLANEOUS						
R	OHM	PART NO.	R	OHM	PART NO.	C	CAPACITY	VOLT	PART NO.	T	TYPE	PART NO.	SYMBOL	DESCRIPTION	PART NO.
1	500K	76	1	500K	76	1	2 GMS	15	15-1471	1	ANTENNA COIL	DD-3838	1	SWITCH ON VOLUME CONTROL, SEE R76	17-3834
2	500K	76	2	2000	2000	2	5000	50	50-1170	2	OSCILLATOR COIL	DD-3838	2	BAND SWITCH	17-3830
3	200K	76	3	1000	1000	3	5000	50	50-1170	3	1.5 MHz TRANSFORMER	DD-3838	3	TRANSFORMER ASSEMBLY	17-3831
4	200K	76	4	1000	1000	4	5000	50	50-1170	4	1.5 MHz TRANSFORMER	DD-3838	4	TRANSFORMER ASSEMBLY	17-3831
5	200K	76	5	1000	1000	5	5000	50	50-1170	5	1.5 MHz TRANSFORMER	DD-3838	5	TRANSFORMER ASSEMBLY	17-3831
6	200K	76	6	1000	1000	6	5000	50	50-1170	6	1.5 MHz TRANSFORMER	DD-3838	6	TRANSFORMER ASSEMBLY	17-3831
7	200K	76	7	1000	1000	7	5000	50	50-1170	7	1.5 MHz TRANSFORMER	DD-3838	7	TRANSFORMER ASSEMBLY	17-3831
8	200K	76	8	1000	1000	8	5000	50	50-1170	8	1.5 MHz TRANSFORMER	DD-3838	8	TRANSFORMER ASSEMBLY	17-3831
9	200K	76	9	1000	1000	9	5000	50	50-1170	9	1.5 MHz TRANSFORMER	DD-3838	9	TRANSFORMER ASSEMBLY	17-3831
10	200K	76	10	1000	1000	10	5000	50	50-1170	10	1.5 MHz TRANSFORMER	DD-3838	10	TRANSFORMER ASSEMBLY	17-3831
11	200K	76	11	1000	1000	11	5000	50	50-1170	11	1.5 MHz TRANSFORMER	DD-3838	11	TRANSFORMER ASSEMBLY	17-3831
12	200K	76	12	1000	1000	12	5000	50	50-1170	12	1.5 MHz TRANSFORMER	DD-3838	12	TRANSFORMER ASSEMBLY	17-3831
13	200K	76	13	1000	1000	13	5000	50	50-1170	13	1.5 MHz TRANSFORMER	DD-3838	13	TRANSFORMER ASSEMBLY	17-3831
14	200K	76	14	1000	1000	14	5000	50	50-1170	14	1.5 MHz TRANSFORMER	DD-3838	14	TRANSFORMER ASSEMBLY	17-3831
15	200K	76	15	1000	1000	15	5000	50	50-1170	15	1.5 MHz TRANSFORMER	DD-3838	15	TRANSFORMER ASSEMBLY	17-3831
16	200K	76	16	1000	1000	16	5000	50	50-1170	16	1.5 MHz TRANSFORMER	DD-3838	16	TRANSFORMER ASSEMBLY	17-3831
17	200K	76	17	1000	1000	17	5000	50	50-1170	17	1.5 MHz TRANSFORMER	DD-3838	17	TRANSFORMER ASSEMBLY	17-3831
18	200K	76	18	1000	1000	18	5000	50	50-1170	18	1.5 MHz TRANSFORMER	DD-3838	18	TRANSFORMER ASSEMBLY	17-3831
19	200K	76	19	1000	1000	19	5000	50	50-1170	19	1.5 MHz TRANSFORMER	DD-3838	19	TRANSFORMER ASSEMBLY	17-3831
20	200K	76	20	1000	1000	20	5000	50	50-1170	20	1.5 MHz TRANSFORMER	DD-3838	20	TRANSFORMER ASSEMBLY	17-3831
21	200K	76	21	1000	1000	21	5000	50	50-1170	21	1.5 MHz TRANSFORMER	DD-3838	21	TRANSFORMER ASSEMBLY	17-3831
22	200K	76	22	1000	1000	22	5000	50	50-1170	22	1.5 MHz TRANSFORMER	DD-3838	22	TRANSFORMER ASSEMBLY	17-3831
23	200K	76	23	1000	1000	23	5000	50	50-1170	23	1.5 MHz TRANSFORMER	DD-3838	23	TRANSFORMER ASSEMBLY	17-3831
24	200K	76	24	1000	1000	24	5000	50	50-1170	24	1.5 MHz TRANSFORMER	DD-3838	24	TRANSFORMER ASSEMBLY	17-3831

IF PERMANENT AT 455 KC  
BALANCE AT 1400 KC  
NOTE: THERE ARE NO ADJUSTMENTS ON THIS RECEIVER  
FOR THE POLICE BAND

MOST-OFTEN-NEEDED ARVIN DIAGRAMS

# MOST-OFTEN-NEEDED **ARVIN** DIAGRAMS

## MODELS 518-518A-568-568A

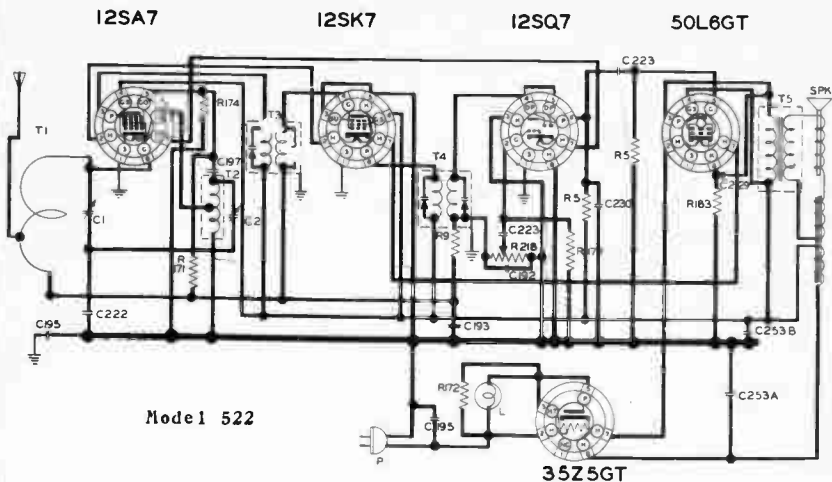


**MODEL 518-518A-568-568A SOCKET VOLTAGES**

Tube	Heater	Plate	Screen	Suppressor	Cathode	1st Grid	2nd Grid
6A7	6.3	225	100		20	6.15	150
78	6.3	225	100	0	20		
76	A.1	190			10		
81	6.3	200	225		10		
80	5.0	385			125		

## MOST-OFTEN-NEEDED ARVIN DIAGRAMS

### ARVIN HOME RADIO CHASSIS RE-76



Model 1 522

3525GT

RESISTORS		CONDENSERS		TRANSFORMERS		MISCELLANEOUS UNITS	
PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	SYMBOL	DESCRIPTION
8211M	100K 1/2W	C1	50MFD 50V	T1	POWER TRANSFORMER	DIAL	DIAL UNIT BLD MAZDA #47
8212C	100K 1/2W	C2	20MFD 50V	T2	50000 IF COIL	SPK	SPK ASSEMBLY
8213C	100K 1/2W	C95	10MFD 50V	T3	50000 IF COIL		
8214C	100K 1/2W	C222	10MFD 50V	T4	50000 IF COIL		
8215C	100K 1/2W	C223	10MFD 50V	T5	50000 IF COIL		
8216C	100K 1/2W	C230	10MFD 50V				
8217C	100K 1/2W	C253A	10MFD 50V				
8218C	100K 1/2W	C253B	10MFD 50V				
8219C	100K 1/2W						
8220C	100K 1/2W						
8221C	100K 1/2W						
8222C	100K 1/2W						
8223C	100K 1/2W						
8224C	100K 1/2W						
8225C	100K 1/2W						
8226C	100K 1/2W						
8227C	100K 1/2W						
8228C	100K 1/2W						
8229C	100K 1/2W						
8230C	100K 1/2W						
8231C	100K 1/2W						
8232C	100K 1/2W						
8233C	100K 1/2W						
8234C	100K 1/2W						
8235C	100K 1/2W						
8236C	100K 1/2W						
8237C	100K 1/2W						
8238C	100K 1/2W						
8239C	100K 1/2W						
8240C	100K 1/2W						
8241C	100K 1/2W						
8242C	100K 1/2W						
8243C	100K 1/2W						
8244C	100K 1/2W						
8245C	100K 1/2W						
8246C	100K 1/2W						
8247C	100K 1/2W						
8248C	100K 1/2W						
8249C	100K 1/2W						
8250C	100K 1/2W						

IF PEAK 455 KC  
BALANCE 1400 KC - CHECK AT 600 KC.  
NOBLITT-SPARKS INDUSTRIES, INC.  
COLUMBUS, INDIANA

#### General:

This carton contains one radio receiver.

It is designed for operation on 115 volts AC or DC. Power consumption is 30 watts.

This receiver is complete and ready to operate when installed as described in the following paragraphs.

#### Antenna:

The receiver is equipped with a built-in loop antenna which will give satisfactory reception for local stations. If it is desired to tune in distant stations, there will be found protruding from the rear of the set a short flexible wire to which may be connected an external antenna.

This radio is designed to operate without external ground and none should be used.

In rural areas, or in areas where signal strengths are low, use of a small outside antenna will result in better reception.

#### Installation Note:

(1) A. C. Operation: Because of the methods of grounding employed throughout the country by commercial power companies, it may be found in some instances that this

receiver will operate more quietly with the line plug placed in the service outlet in a particular position. Try it both ways.

(2) D. C. Operation: This receiver WILL NOT OPERATE ON DC UNLESS the line plug is inserted for proper polarity. With antenna connected, turn on the receiver. After a warm-up period of approximately 30 seconds, turn the volume control up and tune across the band. If the set fails to function, REVERSE THE LINE PLUG.

#### Operation:

When installed in accordance with the preceding instructions, the receiver is ready for operation. The left hand knob, in its extreme counter-clockwise position, turns the receiver off. Rotating this knob in a clockwise direction first turns the set on and thereafter increases the volume.

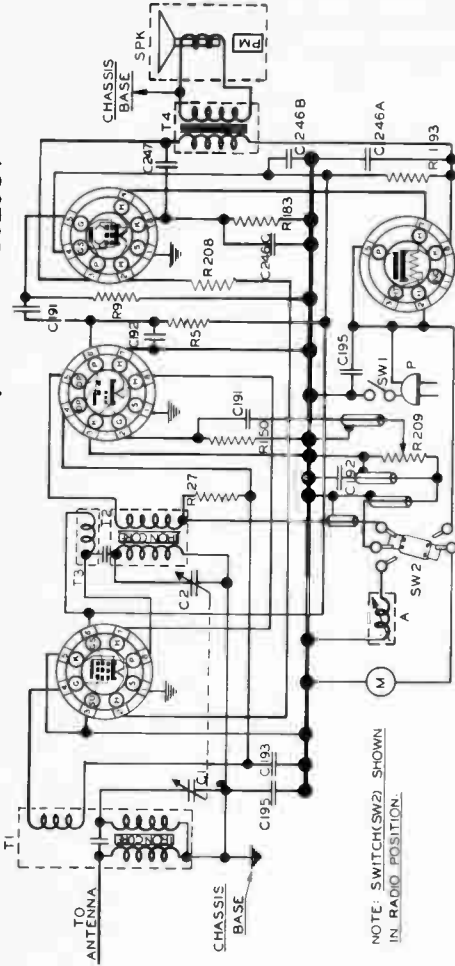
The right hand knob will tune in stations in whose service area the receiver is located. Turning this knob operates an indicator behind the dial face, showing the frequency to which the receiver is tuned. For convenience, the dial calibration has been abbreviated; for instance, 800 kilocycles is "80."



MOST-OFTEN-NEEDED **ARVIN** DIAGRAMS

RADIO-PHONOGRAPH COMBINATION  
MODELS 302 AND 302-A

ARVIN HOME RADIO CHASSIS RE-64  
12SQ7 12SQ7 12SQ7  
50L6GT



NOTE: SWITCHES (SW2) SHOWN  
IN RADIO POSITION.

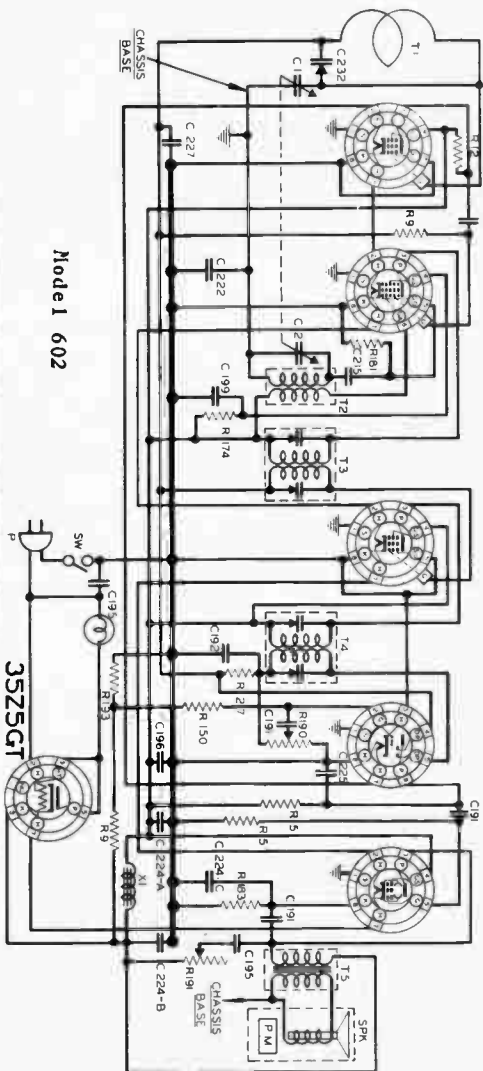
RESISTORS				CONDENSERS				MISCELLANEOUS UNITS			
Q	OHMS	W	PART NO.	C	CAPACITY	VOLT	PART NO.	S	SYMBOL	DESCRIPTION	PART NO.
1	150	1/2	1200	1	1/2	250	1	A	PHONO PICK-UP ARM	17-18507	
2	150	1/2	200	1	1/2	250	1	B	PHONO TUNING TABLE MOTOR	17-18611	
3	150	1/2	475	1	1/2	250	1	C	LINE COIL	17-18621	
4	150	1/2	475	1	1/2	250	1	D	LINE COIL	17-18622	
5	150	1/2	475	1	1/2	250	1	E	LINE SWITCH	17-18630	
6	150	1/2	475	1	1/2	250	1	F	CHANGE OVER SWITCH	17-18635	
7	150	1/2	475	1	1/2	250	1	G	PLATE COIL	17-18636	
8	150	1/2	475	1	1/2	250	1	H	PLATE COIL	17-18637	
9	150	1/2	475	1	1/2	250	1	I	PLATE COIL	17-18638	
10	150	1/2	475	1	1/2	250	1	J	OUT PUT TRANSFORMER	17-18638	

FREQUENCY RANGE 1700 K.C. TO 540 K.C.  
NOBLITT-SPARKS INDUSTRIES, INC.  
COLUMBUS, INDIANA

A rest has been provided for the pickup and should be utilized whenever the pickup is not in use. The turntable spindle fits into a slot in the pickup head. When the receiver is not in use or is being used as a radio receiver the needle should be removed from the pickup head and the pickup placed on its rest.

When starting to play a recording the pickup head should be placed on that edge of the record which is toward the front of the receiver. A good grade needle should be used and changed after playing each recording. Special types of needles are generally available, designed to accentuate the reproduction of certain frequencies and the selection of one of these types may result in more pleasing results depending upon the desires of the individual owner.

ARVIN HOME RADIO CHASSIS RE 53  
 12K7GT 12A8GT 12K7GT 125Q7 35L6GT



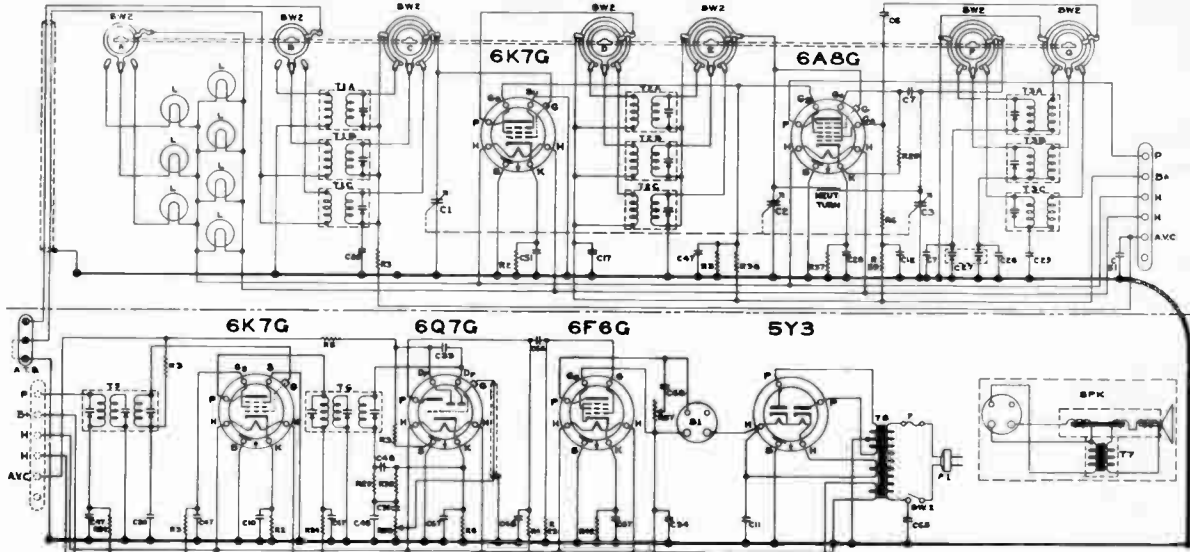
Model 1 602

RESISTORS		CONDENSERS		TRANSFORMERS (TURNS)		SPECIAL ORDER UNITS	
NO.	VALUE	TYPE	VALUE	NO.	PRIMARY	SECONDARY	DESCRIPTION
1	100K	1/2	100MFD	1	115V-0-115V	250V-0-250V	POWER TRANSFORMER
2	100K	1/2	100MFD	2	230V-0-230V	250V-0-250V	POWER TRANSFORMER
3	100K	1/2	100MFD	3	115V-0-115V	100V-0-100V	POWER TRANSFORMER
4	100K	1/2	100MFD	4	115V-0-115V	50V-0-50V	POWER TRANSFORMER
5	100K	1/2	100MFD	5	115V-0-115V	100V-0-100V	POWER TRANSFORMER
6	100K	1/2	100MFD	6	115V-0-115V	50V-0-50V	POWER TRANSFORMER
7	100K	1/2	100MFD	7	115V-0-115V	100V-0-100V	POWER TRANSFORMER
8	100K	1/2	100MFD	8	115V-0-115V	50V-0-50V	POWER TRANSFORMER
9	100K	1/2	100MFD	9	115V-0-115V	100V-0-100V	POWER TRANSFORMER
10	100K	1/2	100MFD	10	115V-0-115V	50V-0-50V	POWER TRANSFORMER
11	100K	1/2	100MFD	11	115V-0-115V	100V-0-100V	POWER TRANSFORMER
12	100K	1/2	100MFD	12	115V-0-115V	50V-0-50V	POWER TRANSFORMER
13	100K	1/2	100MFD	13	115V-0-115V	100V-0-100V	POWER TRANSFORMER
14	100K	1/2	100MFD	14	115V-0-115V	50V-0-50V	POWER TRANSFORMER
15	100K	1/2	100MFD	15	115V-0-115V	100V-0-100V	POWER TRANSFORMER
16	100K	1/2	100MFD	16	115V-0-115V	50V-0-50V	POWER TRANSFORMER
17	100K	1/2	100MFD	17	115V-0-115V	100V-0-100V	POWER TRANSFORMER
18	100K	1/2	100MFD	18	115V-0-115V	50V-0-50V	POWER TRANSFORMER
19	100K	1/2	100MFD	19	115V-0-115V	100V-0-100V	POWER TRANSFORMER
20	100K	1/2	100MFD	20	115V-0-115V	50V-0-50V	POWER TRANSFORMER
21	100K	1/2	100MFD	21	115V-0-115V	100V-0-100V	POWER TRANSFORMER
22	100K	1/2	100MFD	22	115V-0-115V	50V-0-50V	POWER TRANSFORMER
23	100K	1/2	100MFD	23	115V-0-115V	100V-0-100V	POWER TRANSFORMER
24	100K	1/2	100MFD	24	115V-0-115V	50V-0-50V	POWER TRANSFORMER
25	100K	1/2	100MFD	25	115V-0-115V	100V-0-100V	POWER TRANSFORMER
26	100K	1/2	100MFD	26	115V-0-115V	50V-0-50V	POWER TRANSFORMER
27	100K	1/2	100MFD	27	115V-0-115V	100V-0-100V	POWER TRANSFORMER
28	100K	1/2	100MFD	28	115V-0-115V	50V-0-50V	POWER TRANSFORMER
29	100K	1/2	100MFD	29	115V-0-115V	100V-0-100V	POWER TRANSFORMER
30	100K	1/2	100MFD	30	115V-0-115V	50V-0-50V	POWER TRANSFORMER
31	100K	1/2	100MFD	31	115V-0-115V	100V-0-100V	POWER TRANSFORMER
32	100K	1/2	100MFD	32	115V-0-115V	50V-0-50V	POWER TRANSFORMER
33	100K	1/2	100MFD	33	115V-0-115V	100V-0-100V	POWER TRANSFORMER
34	100K	1/2	100MFD	34	115V-0-115V	50V-0-50V	POWER TRANSFORMER
35	100K	1/2	100MFD	35	115V-0-115V	100V-0-100V	POWER TRANSFORMER
36	100K	1/2	100MFD	36	115V-0-115V	50V-0-50V	POWER TRANSFORMER
37	100K	1/2	100MFD	37	115V-0-115V	100V-0-100V	POWER TRANSFORMER
38	100K	1/2	100MFD	38	115V-0-115V	50V-0-50V	POWER TRANSFORMER
39	100K	1/2	100MFD	39	115V-0-115V	100V-0-100V	POWER TRANSFORMER
40	100K	1/2	100MFD	40	115V-0-115V	50V-0-50V	POWER TRANSFORMER
41	100K	1/2	100MFD	41	115V-0-115V	100V-0-100V	POWER TRANSFORMER
42	100K	1/2	100MFD	42	115V-0-115V	50V-0-50V	POWER TRANSFORMER
43	100K	1/2	100MFD	43	115V-0-115V	100V-0-100V	POWER TRANSFORMER
44	100K	1/2	100MFD	44	115V-0-115V	50V-0-50V	POWER TRANSFORMER
45	100K	1/2	100MFD	45	115V-0-115V	100V-0-100V	POWER TRANSFORMER
46	100K	1/2	100MFD	46	115V-0-115V	50V-0-50V	POWER TRANSFORMER
47	100K	1/2	100MFD	47	115V-0-115V	100V-0-100V	POWER TRANSFORMER
48	100K	1/2	100MFD	48	115V-0-115V	50V-0-50V	POWER TRANSFORMER
49	100K	1/2	100MFD	49	115V-0-115V	100V-0-100V	POWER TRANSFORMER
50	100K	1/2	100MFD	50	115V-0-115V	50V-0-50V	POWER TRANSFORMER

IF PEAK 455 K.C.  
 BALANCE 1400 K.C. - CHECK AT 600 K.C.  
 MOBILT-SPARKS INDUSTRIES, INC.,  
 COLUMBUS, INDIANA

MOST-OFTEN-NEEDED ARVIN DIAGRAMS

## ARVIN HOME RADIO MODELS 617 & 627



### CONNECTIONS FOR ANTENNA



### CONNECTIONS FOR TRANSMISSION LINE



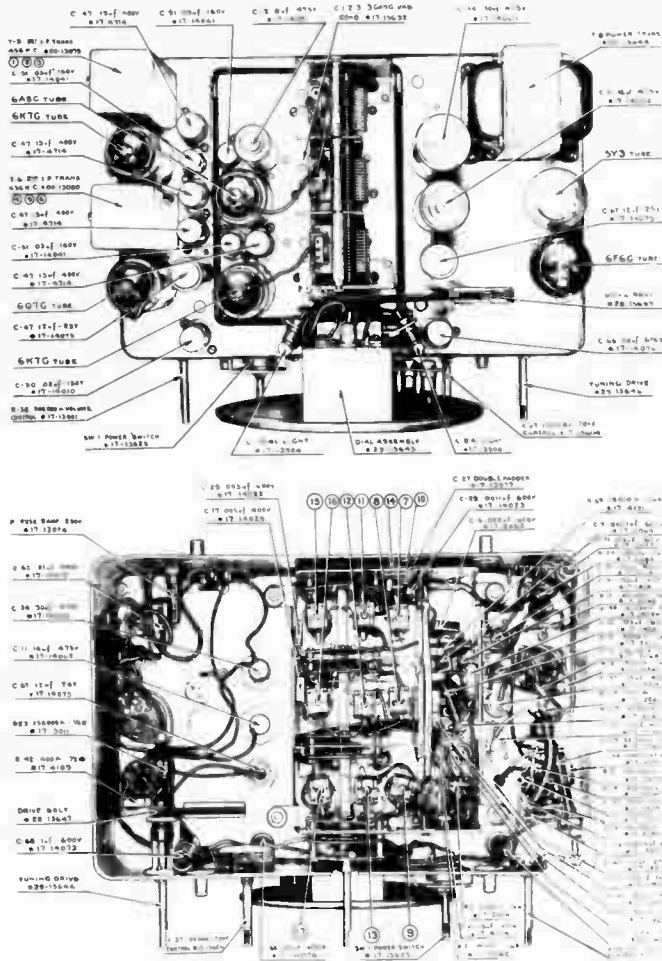
RESISTORS			CAPACITY			COMPONENTS			SWITCHES & TRANSFORMERS			MISCELLANEOUS UNITS		
R	VALUE	PART NO.	C	VALUE	PART NO.	C	VALUE	PART NO.	S	TYPE	SYMBOL	DESCRIPTION	PART NO.	
1E	450 Ω	17-4762	1	3 GANG	54	50 ELECT.	475	17-14423	T	NAME TERN.	SW1	POWER SWITCH	17-15625	
3	100 Ω	17-2046	2	VARIABLE	57	1K CAN	500	17-9714	1A	1/2 BAND ANT. COIL	SW2	BAND SWITCH WAFER	17-15608	
4	500 Ω	17-2046	3	VAR. MIC	58	JANEX MIC	500	17-4827	1B	1/2 BAND ANT. COIL	SW3	BAND SWITCH WAFER	17-15604	
3	500 Ω	17-2079	6	50K MIC	59	1/2 CAN	150	17-14841	1C	1/2 BAND ANT. COIL	B1	SPEAKER SOCKET	17-15050	
6	5W	17-2071	7	100K MIC	60	1/2 STRAP	500	17-14076	1E	1/2 BAND R.F. COIL	P1	PLUG & COND. ASSEMBLY	17-15781	
10	10K	17-2071	11	1/2 CAN	61	1/2 CAN	150	17-14076	1E	1/2 BAND R.F. COIL	L	DIAL LIMIT	17-15894	
11	10K	17-2071	11	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1C	1/2 BAND R.F. COIL	A T & B	ANTENNA TERMINAL, 5TWP	17-15643	
12	10K	17-2071	12	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1A	1/2 BAND R.F. COIL	SPK	DYNAMIC SPEAKER ASSEMBLY, 617	17-15628	
13	10K	17-2071	13	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1B	1/2 BAND R.F. COIL	SPK	DYNAMIC SPEAKER ASSEMBLY, 627	17-15629	
14	10K	17-2071	14	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1C	1/2 BAND R.F. COIL	P	PULSE & AMP. 220 V	17-15076	
15	10K	17-2071	15	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1D	1/2 BAND R.F. COIL				
16	10K	17-2071	16	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1E	1/2 BAND R.F. COIL				
17	10K	17-2071	17	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1F	1/2 BAND R.F. COIL				
18	10K	17-2071	18	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1G	1/2 BAND R.F. COIL				
19	10K	17-2071	19	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1H	1/2 BAND R.F. COIL				
20	10K	17-2071	20	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1I	1/2 BAND R.F. COIL				
21	10K	17-2071	21	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1J	1/2 BAND R.F. COIL				
22	10K	17-2071	22	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1K	1/2 BAND R.F. COIL				
23	10K	17-2071	23	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1L	1/2 BAND R.F. COIL				
24	10K	17-2071	24	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1M	1/2 BAND R.F. COIL				
25	10K	17-2071	25	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1N	1/2 BAND R.F. COIL				
26	10K	17-2071	26	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1O	1/2 BAND R.F. COIL				
27	10K	17-2071	27	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1P	1/2 BAND R.F. COIL				
28	10K	17-2071	28	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1Q	1/2 BAND R.F. COIL				
29	10K	17-2071	29	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1R	1/2 BAND R.F. COIL				
30	10K	17-2071	30	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1S	1/2 BAND R.F. COIL				
31	10K	17-2071	31	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1T	1/2 BAND R.F. COIL				
32	10K	17-2071	32	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1U	1/2 BAND R.F. COIL				
33	10K	17-2071	33	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1V	1/2 BAND R.F. COIL				
34	10K	17-2071	34	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1W	1/2 BAND R.F. COIL				
35	10K	17-2071	35	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1X	1/2 BAND R.F. COIL				
36	10K	17-2071	36	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1Y	1/2 BAND R.F. COIL				
37	10K	17-2071	37	1/2 ELECT.	67	1/2 ELECT.	57	17-14076	1Z	1/2 BAND R.F. COIL				
38	10K	17-2071	38	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
39	10K	17-2071	39	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
40	10K	17-2071	40	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
41	10K	17-2071	41	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
42	10K	17-2071	42	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
43	10K	17-2071	43	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
44	10K	17-2071	44	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
45	10K	17-2071	45	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
46	10K	17-2071	46	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
47	10K	17-2071	47	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
48	10K	17-2071	48	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
49	10K	17-2071	49	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						
50	10K	17-2071	50	1/2 ELECT.	67	1/2 ELECT.	57	17-14076						

**IF PEAK 486 K.C.**  
 BALANCE 15 P.C. PAZ 40 P.C.  
 BALANCE 47 P.C. PAZ 45 P.C.  
 BALANCE 15 P.C. CCRK 6.0 P.C.

MOST OFTEN NEEDED ARVIN DIAGRAMS

Prepared by Noblit-Sports Industries for Supreme Publications

## MOST-OFTEN-NEEDED ARVIN DIAGRAMS



**MODEL 617-627 SOCKET VOLTAGES**  
DIFFERENT VOLTAGE 115 BASE

Tube	Heater	Plate	Screen	Cathode	Chassis Ground	Control Grid
6AR5	6.3	250	100	3.0	.....	.....
6AR6	6.3	250	100	3.0	9.0	170
6AR7	6.3	250	90	3.0	.....	.....
6BT6	6.3	115	.....	1.3	.....	.....
6CT6	6.3	240	250	15.0	.....	.....
6GT6	6.3	330-0-330	.....	.....	.....	.....
6HT6	5.0	.....	.....	.....	.....	.....

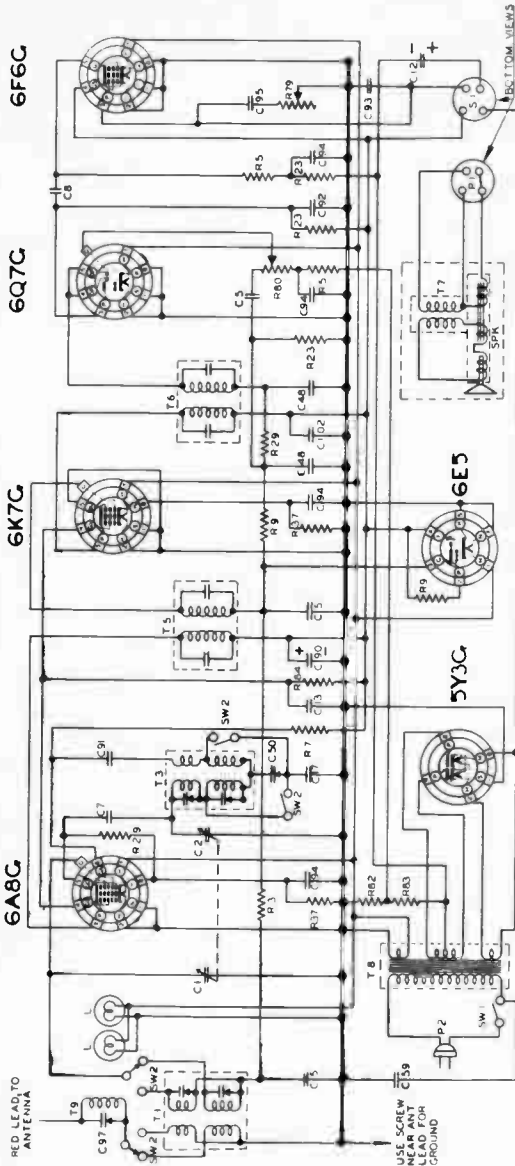
**POINT TO POINT RESISTANCES**

*All readings taken in ground unless otherwise noted. Tubes removed, separate connected and values noted in full ohm position.*

Component	Value	Component	Value	Component	Value
6AR5 Heater	0	6AR5 Heater	0	6AR5 Heater	0
6AR5 Shell	0	6AR5 Shell	0	6AR5 Shell	0
6AR5 Heater	0	6AR5 Heater	0	6AR5 Heater	0
6AR5 Cathode	400 ohms	6AR5 Cathode	400 ohms	6AR5 Cathode	400 ohms
6AR5 Suppressor Grid	.....	6AR5 Suppressor Grid	.....	6AR5 Suppressor Grid	.....
6AR5 Plate to B+	30,000 ohms	6AR5 Plate to B+	30,000 ohms	6AR5 Plate to B+	30,000 ohms
6AR5 Plate to B-	15,110	6AR5 Plate to B-	15,110	6AR5 Plate to B-	15,110
6AR5 Screen to Grid	100,000 ohms	6AR5 Screen to Grid	100,000 ohms	6AR5 Screen to Grid	100,000 ohms
6AR5 Control Grid	700,000 ohms	6AR5 Control Grid	700,000 ohms	6AR5 Control Grid	700,000 ohms
6AR6 Heater	0	6AR6 Heater	0	6AR6 Heater	0
6AR6 Shell	0	6AR6 Shell	0	6AR6 Shell	0
6AR6 Heater	0	6AR6 Heater	0	6AR6 Heater	0
6AR6 Cathode	300 ohms	6AR6 Cathode	300 ohms	6AR6 Cathode	300 ohms
6AR6 Heater	0	6AR6 Heater	0	6AR6 Heater	0
6AR6 Plate to B+	30,000 ohms	6AR6 Plate to B+	30,000 ohms	6AR6 Plate to B+	30,000 ohms
6AR6 Plate to B-	50,000 ohms	6AR6 Plate to B-	50,000 ohms	6AR6 Plate to B-	50,000 ohms
6AR6 Screen to Grid	100,000 ohms	6AR6 Screen to Grid	100,000 ohms	6AR6 Screen to Grid	100,000 ohms
6AR6 Control Grid	5,000,000 ohms	6AR6 Control Grid	5,000,000 ohms	6AR6 Control Grid	5,000,000 ohms
6AR7 Heater	0	6AR7 Heater	0	6AR7 Heater	0
6AR7 Shell	0	6AR7 Shell	0	6AR7 Shell	0
6AR7 Heater	0	6AR7 Heater	0	6AR7 Heater	0
6AR7 Cathode	400 ohms	6AR7 Cathode	400 ohms	6AR7 Cathode	400 ohms
6AR7 Suppressor Grid	.....	6AR7 Suppressor Grid	.....	6AR7 Suppressor Grid	.....
6AR7 Plate to B+	30,000 ohms	6AR7 Plate to B+	30,000 ohms	6AR7 Plate to B+	30,000 ohms
6AR7 Plate to B-	1,000 ohms	6AR7 Plate to B-	1,000 ohms	6AR7 Plate to B-	1,000 ohms
6AR7 Screen to Grid	200,000 ohms	6AR7 Screen to Grid	200,000 ohms	6AR7 Screen to Grid	200,000 ohms
6AR7 Control Grid	700,000 ohms	6AR7 Control Grid	700,000 ohms	6AR7 Control Grid	700,000 ohms
6AR6 Heater	0	6AR6 Heater	0	6AR6 Heater	0
6AR6 Shell	0	6AR6 Shell	0	6AR6 Shell	0
6AR6 Heater	0	6AR6 Heater	0	6AR6 Heater	0
6AR6 Cathode	3,000 ohms	6AR6 Cathode	3,000 ohms	6AR6 Cathode	3,000 ohms
6AR6 Heater	0	6AR6 Heater	0	6AR6 Heater	0
6AR6 Plate to B+	350,000 ohms	6AR6 Plate to B+	350,000 ohms	6AR6 Plate to B+	350,000 ohms
6AR6 Plate to B-	100,000 ohms	6AR6 Plate to B-	100,000 ohms	6AR6 Plate to B-	100,000 ohms
6AR6 Screen to Grid	200,000 ohms	6AR6 Screen to Grid	200,000 ohms	6AR6 Screen to Grid	200,000 ohms
6AR6 Control Grid	400,000 ohms	6AR6 Control Grid	400,000 ohms	6AR6 Control Grid	400,000 ohms
6AR7 Heater	0	6AR7 Heater	0	6AR7 Heater	0
6AR7 Shell	0	6AR7 Shell	0	6AR7 Shell	0
6AR7 Heater	0	6AR7 Heater	0	6AR7 Heater	0
6AR7 Cathode	3,000 ohms	6AR7 Cathode	3,000 ohms	6AR7 Cathode	3,000 ohms
6AR7 Heater	0	6AR7 Heater	0	6AR7 Heater	0
6AR7 Plate to B+	350,000 ohms	6AR7 Plate to B+	350,000 ohms	6AR7 Plate to B+	350,000 ohms
6AR7 Plate to B-	100,000 ohms	6AR7 Plate to B-	100,000 ohms	6AR7 Plate to B-	100,000 ohms
6AR7 Screen to Grid	200,000 ohms	6AR7 Screen to Grid	200,000 ohms	6AR7 Screen to Grid	200,000 ohms
6AR7 Control Grid	400,000 ohms	6AR7 Control Grid	400,000 ohms	6AR7 Control Grid	400,000 ohms

# ARVIN HOME RADIO MODELS 618-618A-628-628CS

## MOST-OFTEN-NEEDED ARVIN DIAGRAMS

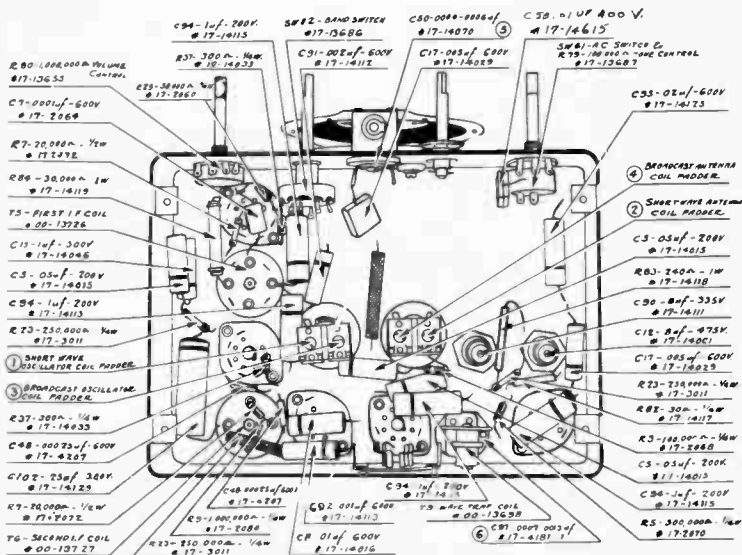
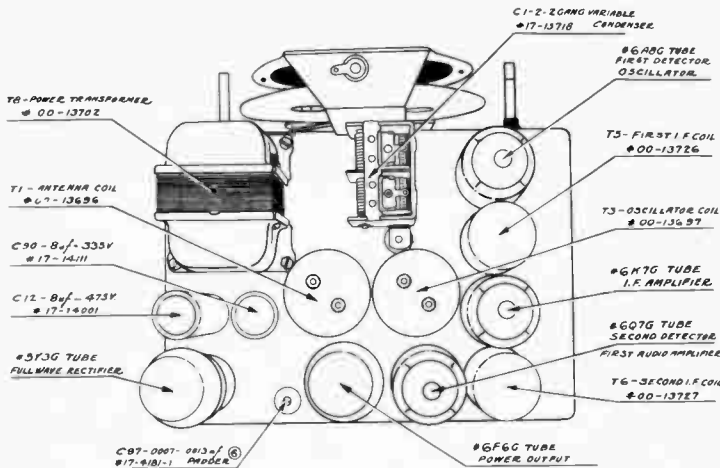


NOTE: C12 REPLACES C90 ON 628CS

RESISTORS				CONDUCTORS				TRANSFORMERS				MISCELLANEOUS			
NO.	TYPE	RESISTANCE	TOLERANCE	NO.	TYPE	VALUE	TOLERANCE	NO.	TYPE	POWER	NO.	TYPE	NO.	TYPE	
1	500Ω	500Ω	±5%	1	RES.	1M	±5%	1	ANTENNA	0.5-3000	1	SW	1-1	1-1	
2	100Ω	100Ω	±5%	2	RES.	100Ω	±5%	2	500-1000	0.5-1000	2	SW	1-1	1-1	
3	500Ω	500Ω	±5%	3	RES.	500Ω	±5%	3	500-1000	0.5-1000	3	SW	1-1	1-1	
4	100Ω	100Ω	±5%	4	RES.	100Ω	±5%	4	100-1000	0.5-1000	4	SW	1-1	1-1	
5	500Ω	500Ω	±5%	5	RES.	500Ω	±5%	5	100-1000	0.5-1000	5	SW	1-1	1-1	
6	100Ω	100Ω	±5%	6	RES.	100Ω	±5%	6	100-1000	0.5-1000	6	SW	1-1	1-1	
7	500Ω	500Ω	±5%	7	RES.	500Ω	±5%	7	100-1000	0.5-1000	7	SW	1-1	1-1	
8	100Ω	100Ω	±5%	8	RES.	100Ω	±5%	8	100-1000	0.5-1000	8	SW	1-1	1-1	
9	500Ω	500Ω	±5%	9	RES.	500Ω	±5%	9	100-1000	0.5-1000	9	SW	1-1	1-1	
10	100Ω	100Ω	±5%	10	RES.	100Ω	±5%	10	100-1000	0.5-1000	10	SW	1-1	1-1	
11	500Ω	500Ω	±5%	11	RES.	500Ω	±5%	11	100-1000	0.5-1000	11	SW	1-1	1-1	
12	100Ω	100Ω	±5%	12	RES.	100Ω	±5%	12	100-1000	0.5-1000	12	SW	1-1	1-1	
13	500Ω	500Ω	±5%	13	RES.	500Ω	±5%	13	100-1000	0.5-1000	13	SW	1-1	1-1	
14	100Ω	100Ω	±5%	14	RES.	100Ω	±5%	14	100-1000	0.5-1000	14	SW	1-1	1-1	
15	500Ω	500Ω	±5%	15	RES.	500Ω	±5%	15	100-1000	0.5-1000	15	SW	1-1	1-1	
16	100Ω	100Ω	±5%	16	RES.	100Ω	±5%	16	100-1000	0.5-1000	16	SW	1-1	1-1	
17	500Ω	500Ω	±5%	17	RES.	500Ω	±5%	17	100-1000	0.5-1000	17	SW	1-1	1-1	
18	100Ω	100Ω	±5%	18	RES.	100Ω	±5%	18	100-1000	0.5-1000	18	SW	1-1	1-1	
19	500Ω	500Ω	±5%	19	RES.	500Ω	±5%	19	100-1000	0.5-1000	19	SW	1-1	1-1	
20	100Ω	100Ω	±5%	20	RES.	100Ω	±5%	20	100-1000	0.5-1000	20	SW	1-1	1-1	
21	500Ω	500Ω	±5%	21	RES.	500Ω	±5%	21	100-1000	0.5-1000	21	SW	1-1	1-1	
22	100Ω	100Ω	±5%	22	RES.	100Ω	±5%	22	100-1000	0.5-1000	22	SW	1-1	1-1	
23	500Ω	500Ω	±5%	23	RES.	500Ω	±5%	23	100-1000	0.5-1000	23	SW	1-1	1-1	
24	100Ω	100Ω	±5%	24	RES.	100Ω	±5%	24	100-1000	0.5-1000	24	SW	1-1	1-1	
25	500Ω	500Ω	±5%	25	RES.	500Ω	±5%	25	100-1000	0.5-1000	25	SW	1-1	1-1	
26	100Ω	100Ω	±5%	26	RES.	100Ω	±5%	26	100-1000	0.5-1000	26	SW	1-1	1-1	
27	500Ω	500Ω	±5%	27	RES.	500Ω	±5%	27	100-1000	0.5-1000	27	SW	1-1	1-1	
28	100Ω	100Ω	±5%	28	RES.	100Ω	±5%	28	100-1000	0.5-1000	28	SW	1-1	1-1	
29	500Ω	500Ω	±5%	29	RES.	500Ω	±5%	29	100-1000	0.5-1000	29	SW	1-1	1-1	
30	100Ω	100Ω	±5%	30	RES.	100Ω	±5%	30	100-1000	0.5-1000	30	SW	1-1	1-1	

1 IF PERMUTATE AT 455K C  
 BROADCAST BAND AT 600K C  
 SHORTWAVE BAND AT 17.5 MC

# MOST-OFTEN-NEEDED ARVIN DIAGRAMS

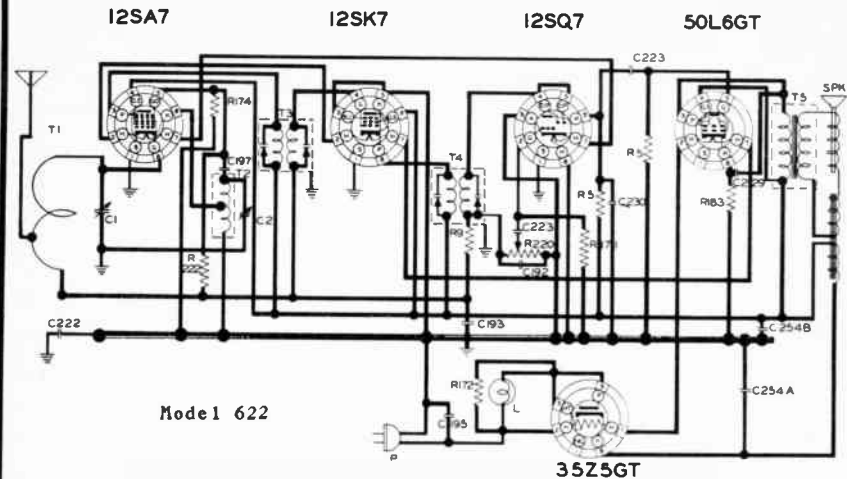


**MODEL 618-818A-828-828CS SOCKET VOLTAGES**  
INPUT VOLTAGE 110 V. 50HZ

Tube	Heater	Plate	Screen	Control	Suppressor	Anode Load	Control Load	Turret	Grid Bias
6AB6	6.3	250	95	1.2	0	111	0.15	238	---
6N7G	6.3	250	95	1.9	0	---	---	---	1.5
6X7G	6.3	155	---	0	---	---	---	---	1.8
6Y4G	6.3	221	238	0	---	---	---	---	---
5Y3G	5.0	195	---	358	---	---	---	---	---
6E5	6.3	300	---	0	---	---	---	---	---

\*R<sub>1</sub> - 200Ω

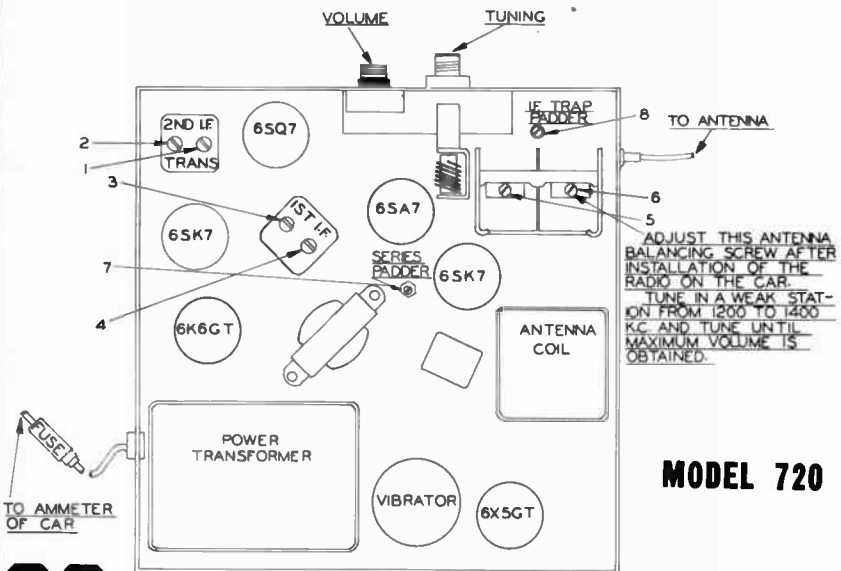
**MOST-OFTEN-NEEDED ARVIN DIAGRAMS**  
**ARVIN HOME RADIO - CHASSIS RE-78**



RESISTORS	CONDENSERS	TRANSFORMERS	MISCELLANEOUS UNITS
R 100K 1/4W 100K	C 100PF 50V	T 100V 100VA	U 100V 100VA
R 200K 1/4W 200K	C 200PF 50V	T 200V 200VA	U 200V 200VA
R 300K 1/4W 300K	C 300PF 50V	T 300V 300VA	U 300V 300VA
R 400K 1/4W 400K	C 400PF 50V	T 400V 400VA	U 400V 400VA
R 500K 1/4W 500K	C 500PF 50V	T 500V 500VA	U 500V 500VA
R 1M 1/4W 1M	C 1M 1/4W 1M	T 1M 1/4W 1M	U 1M 1/4W 1M
R 2M 1/4W 2M	C 2M 1/4W 2M	T 2M 1/4W 2M	U 2M 1/4W 2M
R 5M 1/4W 5M	C 5M 1/4W 5M	T 5M 1/4W 5M	U 5M 1/4W 5M
R 10M 1/4W 10M	C 10M 1/4W 10M	T 10M 1/4W 10M	U 10M 1/4W 10M
R 20M 1/4W 20M	C 20M 1/4W 20M	T 20M 1/4W 20M	U 20M 1/4W 20M
R 50M 1/4W 50M	C 50M 1/4W 50M	T 50M 1/4W 50M	U 50M 1/4W 50M
R 100M 1/4W 100M	C 100M 1/4W 100M	T 100M 1/4W 100M	U 100M 1/4W 100M
R 200M 1/4W 200M	C 200M 1/4W 200M	T 200M 1/4W 200M	U 200M 1/4W 200M
R 500M 1/4W 500M	C 500M 1/4W 500M	T 500M 1/4W 500M	U 500M 1/4W 500M
R 1000M 1/4W 1000M	C 1000M 1/4W 1000M	T 1000M 1/4W 1000M	U 1000M 1/4W 1000M

3525GT

IF PEAK 455 K.C.  
 BALANCE 1400 KC - CHECK AT 600 K.C.  
 NOBLITT-SPARKS INDUSTRIES, INC.  
 COLUMBUS, INDIANA



**22**

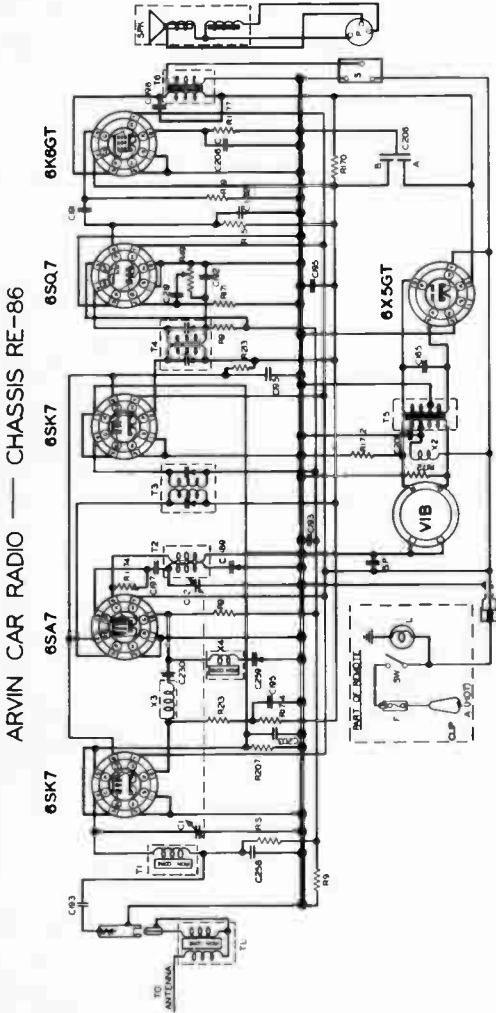
**MOST-OFTEN-NEEDED ARVIN DIAGRAMS**

**ARVIN MODEL 720 CAR RADIO**

**BALANCING INSTRUCTIONS  
ARVIN MODEL 720 CAR RADIO**

All sensitivities given for 1/2 watt output equals 1.4 V. across voice coil.

Operation No.	Connect Bal. Oscillator to 6SA7 Grid	Bal. Frequency	Oscillator Frequency	Adjust Padder No.	Dial Setting	Sensitivity
1	6SA7 Grid	455 kc	455 kc	1,2,3, & 4	550 kc	50uv
2	Ant. Coupler	455 kc	455 kc	8	550 kc	min. sig.
3	Through 20 uuf	1400 kc	1400 kc	5, then 6	1400 kc	100V
4	Through 20 uuf	600 kc	600 kc	7	600 kc	10 UV



RESISTORS		CAPACITORS		VARIABLES		TUBES		TRANSFORMERS		OTHER	
NO.	VALUE	NO.	VALUE	NO.	VALUE	NO.	TYPE	NO.	POWER	NO.	DESCRIPTION
1	500K	1	0.001	1	500K	1	6SK7	1	100-0	1	ANTENNA
2	100K	2	0.0005	2	100K	2	6SA7	2	100-0	2	COIL
3	50K	3	0.0002	3	50K	3	6SK7	3	100-0	3	COIL
4	10K	4	0.0001	4	10K	4	6SQ7	4	100-0	4	COIL
5	100K	5	0.0005	5	100K	5	6K6GT	5	100-0	5	COIL
6	50K	6	0.0002	6	50K	6	6X5GT	6	100-0	6	COIL
7	10K	7	0.0001	7	10K	7	VIB	7	100-0	7	COIL
8	500K	8	0.001	8	500K	8	FIL	8	100-0	8	COIL
9	100K	9	0.0005	9	100K	9	S	9	100-0	9	COIL
10	50K	10	0.0002	10	50K	10		10	100-0	10	COIL
11	10K	11	0.0001	11	10K	11		11	100-0	11	COIL
12	100K	12	0.0005	12	100K	12		12	100-0	12	COIL
13	50K	13	0.0002	13	50K	13		13	100-0	13	COIL
14	10K	14	0.0001	14	10K	14		14	100-0	14	COIL
15	500K	15	0.001	15	500K	15		15	100-0	15	COIL
16	100K	16	0.0005	16	100K	16		16	100-0	16	COIL
17	50K	17	0.0002	17	50K	17		17	100-0	17	COIL
18	10K	18	0.0001	18	10K	18		18	100-0	18	COIL
19	500K	19	0.001	19	500K	19		19	100-0	19	COIL
20	100K	20	0.0005	20	100K	20		20	100-0	20	COIL

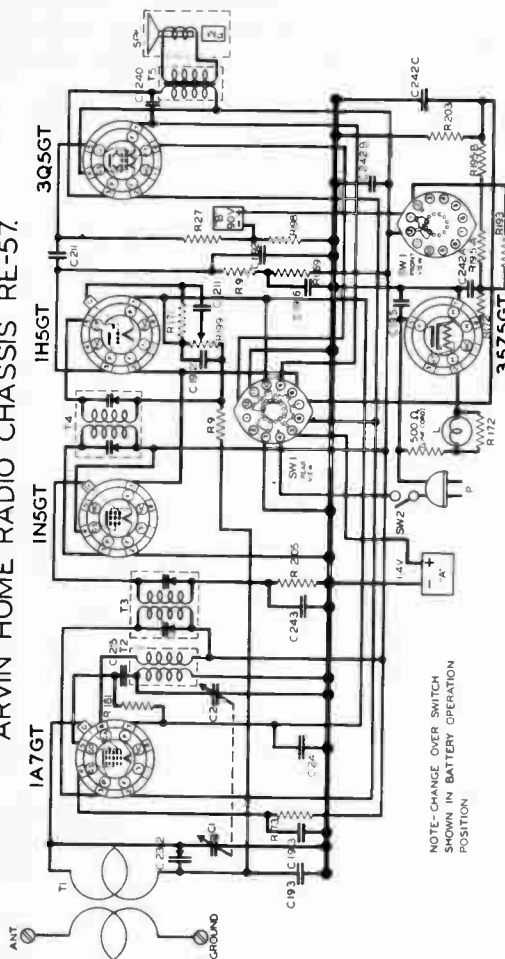
IF PLAN 45A.R.C.  
FREQUENCY RANGE 535 TO 1625 K.C.  
COLUMBIA BROADCAST SYSTEMS, INC.  
COLUMBIA, MICHIGAN



MOST-OFTEN-NEEDED ARVIN DIAGRAMS

MODEL 802 RADIO RECEIVER

ARVIN HOME RADIO CHASSIS RE-57.



NOTE: CHANGE OVER SWITCH SHOWN IN BATTERY OPERATION POSITION

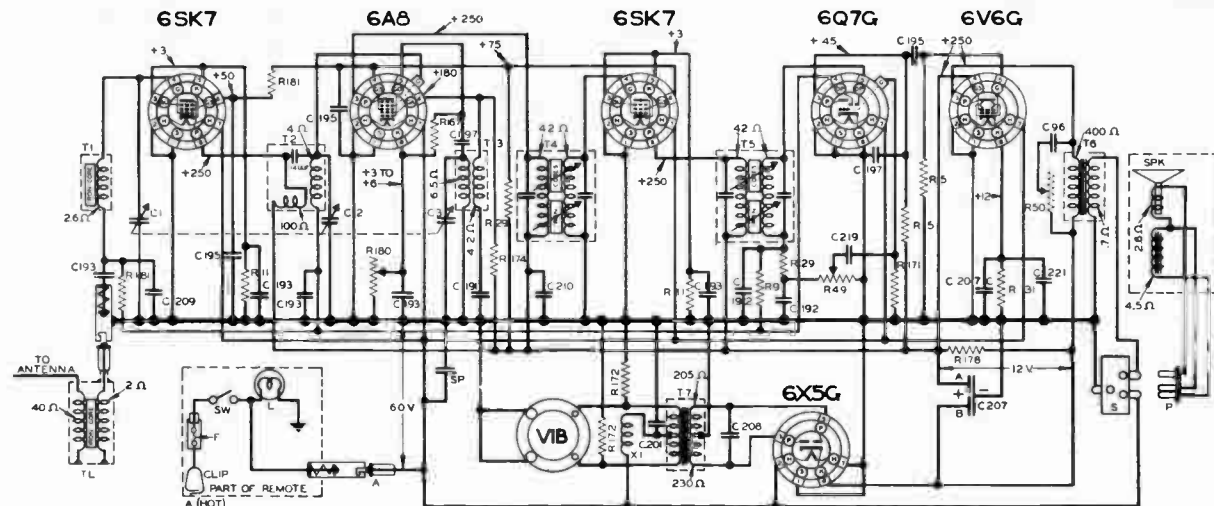
CONDENSERS		TRANSFORMERS	
TYPE	VALUE	TYPE	DESCRIPTION
C19	0.001	T1	ANTENNA COIL
C20	0.001	T2	500 OHM
C21	0.001	T3	500 OHM
C22	0.001	T4	500 OHM
C23	0.001		
C24	0.001		
C25	0.001		
C26	0.001		
C27	0.001		
C28	0.001		
C29	0.001		
C30	0.001		
C31	0.001		
C32	0.001		
C33	0.001		
C34	0.001		
C35	0.001		
C36	0.001		
C37	0.001		
C38	0.001		
C39	0.001		
C40	0.001		
C41	0.001		
C42	0.001		
C43	0.001		
C44	0.001		
C45	0.001		
C46	0.001		
C47	0.001		
C48	0.001		
C49	0.001		
C50	0.001		
C51	0.001		
C52	0.001		
C53	0.001		
C54	0.001		
C55	0.001		
C56	0.001		
C57	0.001		
C58	0.001		
C59	0.001		
C60	0.001		
C61	0.001		
C62	0.001		
C63	0.001		
C64	0.001		
C65	0.001		
C66	0.001		
C67	0.001		
C68	0.001		
C69	0.001		
C70	0.001		
C71	0.001		
C72	0.001		
C73	0.001		
C74	0.001		
C75	0.001		
C76	0.001		
C77	0.001		
C78	0.001		
C79	0.001		
C80	0.001		
C81	0.001		
C82	0.001		
C83	0.001		
C84	0.001		
C85	0.001		
C86	0.001		
C87	0.001		
C88	0.001		
C89	0.001		
C90	0.001		
C91	0.001		
C92	0.001		
C93	0.001		
C94	0.001		
C95	0.001		
C96	0.001		
C97	0.001		
C98	0.001		
C99	0.001		
C100	0.001		

IF PEAK 455 K C  
BALANCE 1450 K C - CHECK AT 800 K C  
NOBLITT-SPARKS INDUSTRIES, INC.  
COLUMBUS, INDIANA

On the rear of the receiver is a flap covering a compartment in which the 115 volt supply cord is located. To use the receiver on 115 volts AC, remove the power supply cord from its compartment and insert in a convenience outlet. The receiver will operate regardless of which way the plug is inserted, although quieter operation may be experienced with the plug inserted in one particular way. Try it both ways.

While the radio will start functioning immediately in the battery position it will not do this in the "Electric" position. It is functioning properly when it takes approximately 30 seconds to warm up after the switch is turned on. When used in the battery position pilot lamp will not light, and even though the supply cord is left connected to the AC line, no power will be taken from the line: hence the pilot light will not light.

## ARVIN CAR RADIO CHASSIS RE-60



NOTE - ALL VOLTAGES GIVEN FOR "A" INPUT OF 6 VOLTS. ALLOW 10% ON ALL VOLTAGES & RESISTANCES OF WINDING

RESISTORS			CONDENSERS			CHOICES & TRANSFORMERS			MISCELLANEOUS UNITS		
QTY	CHARS TO PART NO	VAL	QTY	CHARS TO PART NO	VAL	QTY	TYPE	WGT. NO	SYMBOL	DESCRIPTION	PART NO
1	500K	1/2	1	500K	1/2	1	TRANSFORMERS		F	FUSE 30 AMP	1-2228
9	5M	1/2	2	500K	1/2	1	ANTENNA COIL	00 18300	L	DIAL LIGHT BULB MAEDA NO. 3	1-1900A
1	2M	1/2	3	100K	1/2	1	6.7 COIL	00 18300	P	SPARKER PLUG	1-1150
24	500K	1/2	4	100K	1/2	1	CORAL AFTR COIL	00 18300	S	SPARKER INSULATOR	1-1383
1	2M	1/2	5	100K	1/2	1	6.7 COIL	00 18300	SW	SPARKER ASSEMBLY	1-1382
4	500K	1/2	6	100K	1/2	1	6.7 COIL	00 18300	SW	POWER SWITCH	
1	500K	1/2	7	100K	1/2	1	6.7 COIL	00 18300	SP	SPARKER PLUG	
1	500K	1/2	8	100K	1/2	1	6.7 COIL	00 18300	T1	TRANSFORMER LINE	00-9301
1	500K	1/2	9	100K	1/2	1	6.7 COIL	00 18300	VIB	VIBRATOR	1-14787
1	500K	1/2	10	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	11	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	12	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	13	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	14	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	15	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	16	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	17	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	18	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	19	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	20	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	21	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	22	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	23	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	24	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	25	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	26	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	27	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	28	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	29	100K	1/2	1	6.7 COIL	00 18300			
1	500K	1/2	30	100K	1/2	1	6.7 COIL	00 18300			

INTERMEDIATE FREQUENCY 170 K.C.  
FREQUENCY RANGE 1570 TO 540 K.C.  
NOBLITT-SPARKS INDUSTRIES, INC.,  
COLUMBUS, INDIANA

# MODEL 810 CAR RADIO

MOST OFTEN-NEEDED ARVIN DIAGRAMS

MOST-OFTEN-NEEDED ARVIN DIAGRAMS

ARVIN HOME RADIO MODELS 818 & 828

6V6C

6F5C

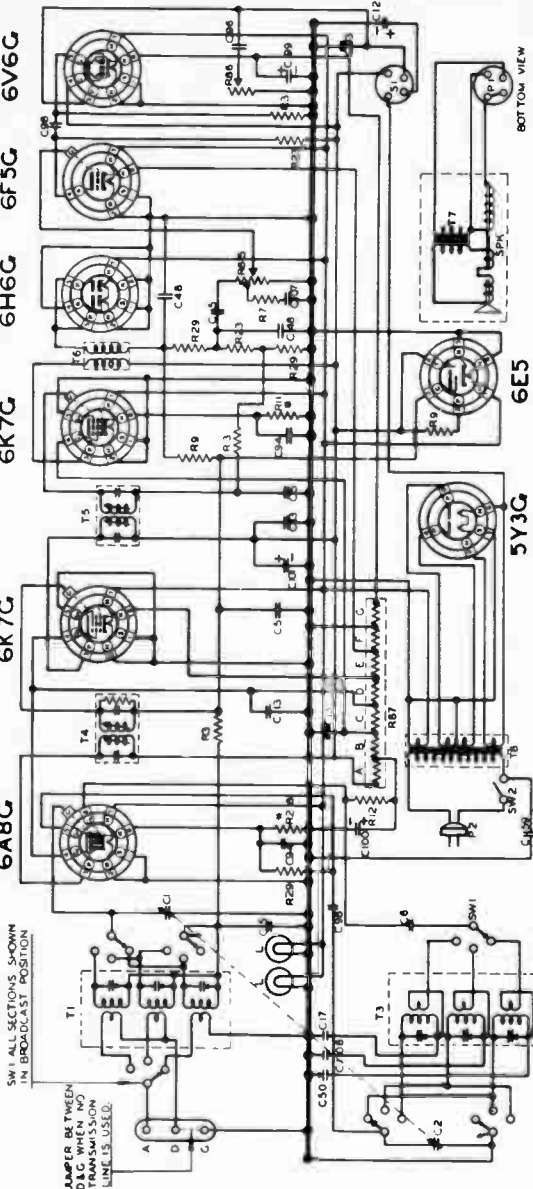
6H6C

6K7C

6K7G

6K7G

6A8C



SW1 ALL SECTIONS SHOWN IN BROADCAST POSITION

ADAPTER BR TAKEN D.C. WHEN NO TRANSMISSION LINE IS USED.

RESISTORS		CONDENSERS		TRANSFORMERS		MISCELLANEOUS	
TYPE	VALUE	TYPE	VALUE	TYPE	VALUE	TYPE	VALUE
R1	500K	C1	0.001	T1	1250-0-1250	6V6C	6V6C
R2	500K	C2	0.001	T2	1250-0-1250	6F5C	6F5C
R3	100K	C3	0.001	T3	1250-0-1250	6H6C	6H6C
R4	100K	C4	0.001	T4	1250-0-1250	6K7C	6K7C
R5	100K	C5	0.001	T5	1250-0-1250	6K7G	6K7G
R6	100K	C6	0.001	T6	1250-0-1250	6H6C	6H6C
R7	100K	C7	0.001	T7	1250-0-1250	6V6C	6V6C
R8	100K	C8	0.001	T8	1250-0-1250		
R9	100K	C9	0.001	T9	1250-0-1250		
R10	100K	C10	0.001	T10	1250-0-1250		
R11	100K	C11	0.001	T11	1250-0-1250		
R12	100K	C12	0.001	T12	1250-0-1250		
R13	100K	C13	0.001	T13	1250-0-1250		
R14	100K	C14	0.001	T14	1250-0-1250		
R15	100K	C15	0.001	T15	1250-0-1250		
R16	100K	C16	0.001	T16	1250-0-1250		
R17	100K	C17	0.001	T17	1250-0-1250		
R18	100K	C18	0.001	T18	1250-0-1250		
R19	100K	C19	0.001	T19	1250-0-1250		
R20	100K	C20	0.001	T20	1250-0-1250		
R21	100K	C21	0.001	T21	1250-0-1250		
R22	100K	C22	0.001	T22	1250-0-1250		
R23	100K	C23	0.001	T23	1250-0-1250		
R24	100K	C24	0.001	T24	1250-0-1250		
R25	100K	C25	0.001	T25	1250-0-1250		
R26	100K	C26	0.001	T26	1250-0-1250		
R27	100K	C27	0.001	T27	1250-0-1250		
R28	100K	C28	0.001	T28	1250-0-1250		
R29	100K	C29	0.001	T29	1250-0-1250		
R30	100K	C30	0.001	T30	1250-0-1250		

3021  
R 0.1  
C 0.001  
T 1250-0-1250

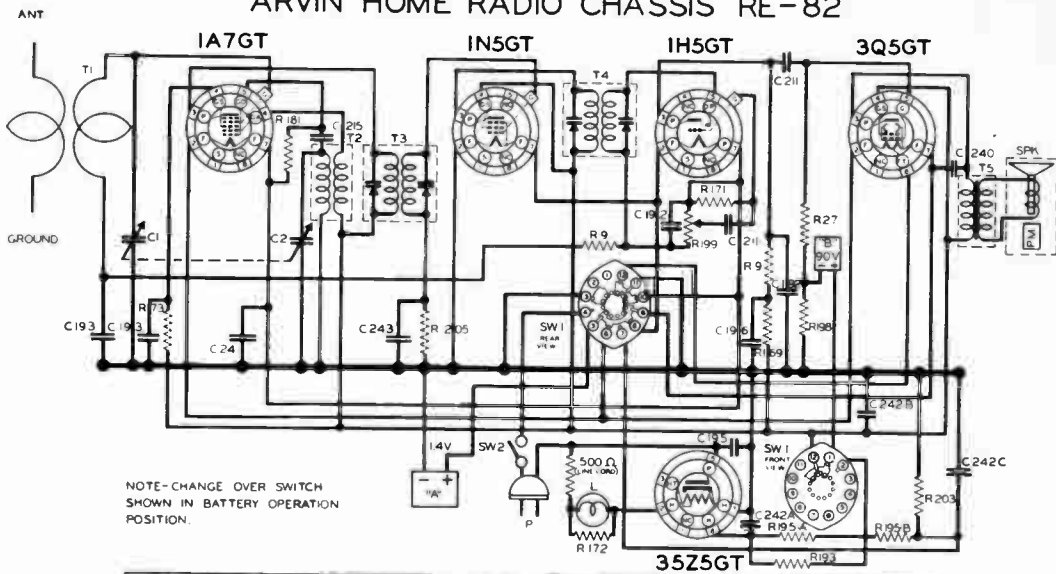
IF PEAK 455 KC  
BALANCE 15 MC PAD 80 MC  
BALANCE 47 MC CHECK 20 MC  
BALANCE 150 MC CHECK 80 MC

3 BANDS



## ARVIN HOME RADIO CHASSIS RE-82

MOST-OFTEN-NEEDED ARVIN DIAGRAMS  
 MODEL 822 RADIO RECEIVER



NOTE—CHANGE OVER SWITCH SHOWN IN BATTERY OPERATION POSITION.

### BALANCING INSTRUCTIONS

All sensitivities given for 50 millivolt output—4 volts across Valve Coil.

Operation No.	Component	Frequency	Adjust	Dial Setting
1	Amort. Hal. Oscillator to 1V Grid	455 Kc	1.4 2nd	550 Kc
2	Ant Post Through 20 out	1400 Kc	1. F. Trimmer	1400 Kc
3	Ant Post Through 20 out	1400 Kc	Ant Trimmer	1400 Kc

RESISTORS		CONDENSERS		TRANSFORMERS		MISCELLANEOUS UNITS	
R	PART NO.	C	PART NO.	T	PART NO.	S	PART NO.
10	17-2080	1	17-2080	1	17-2080	A	1.5 VOLT BATTERY
27	17-4160	2	VARIABLE	2	17-4160	B	TWO 45 VOLT B BATTERIES
33	17-4235	182	00015	3	17-4235	C	FLUORESCENT BULB W/20W 4.1
48	17-4242	193	05	4	17-4274	P	LINE COIL A F-45 4500000
50	17-4242	195	05	5	17-4274	SPK	SPEAKER ASSEMBLY 5 PERMANENT MAGNET
100	17-4323	27	01	6	17-4308	SW	AC DC BATTERY SWITCH
150	17-4331	27	01	7	17-4308	SW	VOLUME CONTROL & LINE SWITCH
200	17-4343	27	01	8	17-4308		
250	17-4350	280	003	9	17-4344		
300	17-4354	284	40	10	17-4355		
350	17-4357	288	20	11	17-4355		
400	17-4318	294	02	12	17-4357		
450	17-4318	294	02	13	17-4357		
500	17-4318	294	02	14	17-4357		
550	17-4318	294	02	15	17-4357		
600	17-4318	294	02	16	17-4357		
650	17-4318	294	02	17	17-4357		
700	17-4318	294	02	18	17-4357		
750	17-4318	294	02	19	17-4357		
800	17-4318	294	02	20	17-4357		
850	17-4318	294	02	21	17-4357		
900	17-4318	294	02	22	17-4357		
950	17-4318	294	02	23	17-4357		
1000	17-4318	294	02	24	17-4357		

IF PEAK 455 KC  
 BALANCE 1400 KC - CHECK AT 600 KC.  
 NOBLITT-SPARKS INDUSTRIES, INC.,  
 COLUMBUS, INDIANA.

## MOST-OFTEN-NEEDED ARVIN DIAGRAMS

### ARVIN MODEL 822 RADIO RECEIVER

#### Description:

The Arvin Model 822 is a five-tube Portable Radio Receiver designed to receive its operating power from the batteries contained in the cabinet or from a 115 volt AC or DC circuit.

For assurance of full protection of battery life the batteries for this receiver were not installed and connected at the factory. The batteries will be found in a separate carton and must be installed before operating the radio on "battery position."

#### Installation of Batteries:

To install batteries it will be necessary to remove the back of the cabinet which is fastened by six screws (three on each side). After removing the six screws, do not attempt to pull the back away from the radio without first disconnecting the pin jacks from the loop antenna.

When the back has been removed, turn the cabinet upside down (handle to the bottom).

Note the battery cable extending from the right side of the chassis. This cable terminates in one two-prong plug for the long "A" battery and two three-prong plugs for the smaller "B" batteries.

Insert the two-prong plug in the "A" battery and slide the battery on top of the slanting shelf until it drops behind the retainer block.

Next, place the two "B" batteries side by side, with the plug ends toward you, on top of the "A" battery just inserted. Push "B" batteries back until they meet the front of the cabinet. Insert one of the three-prong plugs in each "B" battery. The long blocks on the floor of the cabinet are to hold the "B" batteries in place.

Restore radio to upright position.

The installation of the batteries is now complete and the cabinet back may be replaced. Reconnect the pin jacks to their proper sockets on the loop antenna. The pin jack connected to the green wire must be plugged into the socket marked with green paint and the pin jack on the black wire plugged into the socket marked with black paint.

Fasten the back of the cabinet in place with the six screws first removed. The receiver will now operate on the battery position.

If the set is to be used in a location where 115 volt power is available, this power may be used and thus prolong the life of the batteries.

#### Operation:

##### (1) Battery operation:

The receiver may be operated on batteries with or without the line cord inserted in a service outlet. Where possible it should be operated on line power to conserve the batteries. High quality, long life batteries are furnished with this receiver. Extremes of temperature, either hot or cold, shorten the useful life of a battery. Therefore, it is recommended that, insofar as possible, these extremes of temperature be avoided.

The "A" Battery is an Eveready No. 745.

The two "B" Batteries are Eveready No. 482.

##### (2) AC Operation:

On the rear of the receiver is a flap covering a compartment in which the 115 volt supply cord is located. To use the receiver on 115 volts AC, remove the power supply cord from its compartment and insert in a convenience outlet. The receiver will operate regardless of which way the plug is inserted, although quieter operation may be experienced with the plug inserted in one particular way. Try it both ways.

Make sure the change-over switch which is controlled by the center knob in front of the receiver points to the "Electric" position. When the main power switch (left hand knob) is turned on the pilot lamp will light and the receiver will function as the usual AC set.

It will be noticed when operated on AC that the line cord will become warm. This is normal operation and the receiver will not function properly unless this cord does become warm. The power supply cord should be stretched out to its full length in order to properly dissipate its heat and not become hot. This cord must not be shortened. If it becomes frayed, replacement should be made rather than shorten the cord.

While the radio will start functioning immediately in the battery position it will not do this in the "Electric" position. It is functioning properly when it takes approximately 30 seconds to warm up after the switch is turned on. When used in the battery position pilot lamp will not light, and even though the supply cord is left connected to the AC line, no power will be taken from the line; hence the pilot light will not light.

##### (3) DC Operation:

DC operation is the same as AC operation with one exception. The power supply cord must be inserted in one particular direction. Insert the supply cord in the service outlet. Turn the switch on and allow 30 seconds for warming. With the volume control in the maximum position, tune across the band. If the receiver does not operate REVERSE THE LINE PLUG.

*Most - Often - Needed*  
**RADIO  
DIAGRAMS**  
*and Servicing Information*

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Prepared by Noblitt-Sparks Industries for Supreme Publications

**29**



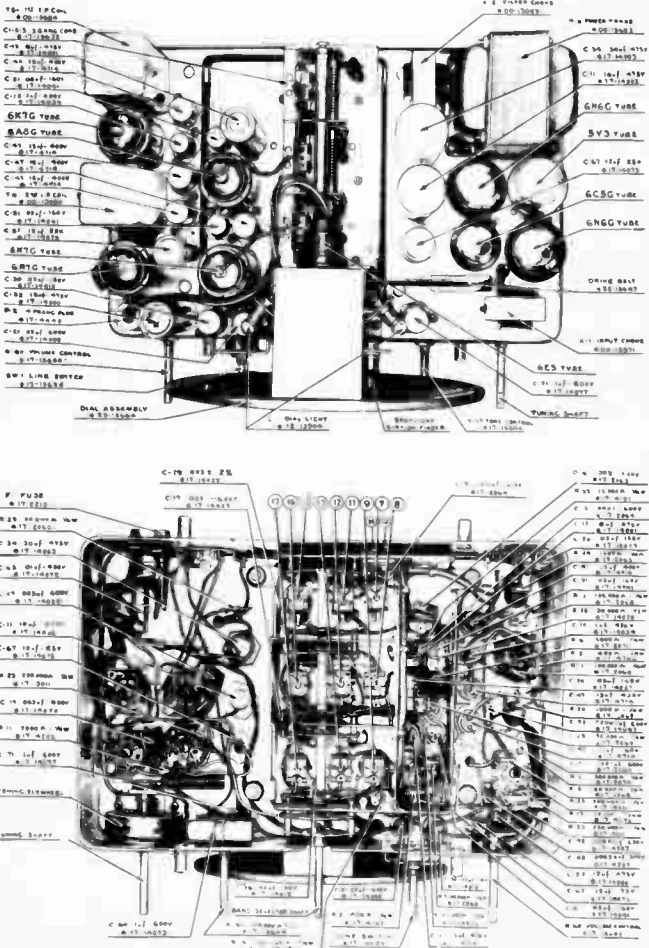
# MOST-OFTEN-NEEDED ARVIN DIAGRAMS

## MODEL 977 SOCKET VOLTAGES

Tube	Heater	Cathode	Suppressor Grid	Screen Grid	Plate	Control Grid	Anode Grid	Shield
6K7C	6.3	2.5	0	95	250	-	-	0
6ABC	6.3	3.0	0	95	250	-	175	0
6K7C	6.3	3.0	0	95	250	-	-	0
6R7C	6.3	6	-	-	120	-	-	0
6CSG	6.3	4.0	-	-	250	-	-	0
6N6G	6.3	0	-	260	250	-	-	0
6N6G	6.3	0	-	250	250	-	-	0
5Y3	6.3	0	-	-	-	-	-	0
6CS	6.3	0	-	-	250	-	-	0

### POINT TO POINT RESISTANCES

Tube	Heater	Cathode	Suppressor Grid	Screen Grid	Plate	Control Grid	Anode Grid	Shield
6K7C	0	0	0	0	0	0	0	0
Heater	0	0	0	0	0	0	0	0
Shell	0	0	0	0	0	0	0	0
Heater	0	0	0	0	0	0	0	0
Cathode	0	0	0	0	0	0	0	0
Suppressor	0	0	0	0	0	0	0	0
Screen	0	0	0	0	0	0	0	0
Plate	0	0	0	0	0	0	0	0
Control Grid	0	0	0	0	0	0	0	0
6ABC	0	0	0	0	0	0	0	0
Heater	0	0	0	0	0	0	0	0
Shell	0	0	0	0	0	0	0	0
Heater	0	0	0	0	0	0	0	0
Cathode	0	0	0	0	0	0	0	0
Screen	0	0	0	0	0	0	0	0
Plate	0	0	0	0	0	0	0	0
Control Grid	0	0	0	0	0	0	0	0
6K7C	0	0	0	0	0	0	0	0
Heater	0	0	0	0	0	0	0	0
Shell	0	0	0	0	0	0	0	0
Heater	0	0	0	0	0	0	0	0
Cathode	0	0	0	0	0	0	0	0
Screen	0	0	0	0	0	0	0	0
Plate	0	0	0	0	0	0	0	0
Control Grid	0	0	0	0	0	0	0	0
6N6G	0	0	0	0	0	0	0	0
Heater	0	0	0	0	0	0	0	0
Shell	0	0	0	0	0	0	0	0
Heater	0	0	0	0	0	0	0	0
Cathode	0	0	0	0	0	0	0	0
Screen	0	0	0	0	0	0	0	0
Plate	0	0	0	0	0	0	0	0
Control Grid	0	0	0	0	0	0	0	0
Target	0	0	0	0	0	0	0	0





## MOST-OFTEN-NEEDED ARVIN DIAGRAMS

### MODEL 927 ARVIN RADIO

#### BALANCING INSTRUCTIONS

See Page 51 for Padder Locations

1. Connect the balancing oscillator (456 K. C.) to grid cap of the 6ABG tube. Connect an output meter or cathode ray oscillograph to speaker output transformer or across speaker voice coil.
2. Adjust padder condensers 1, 2, 3, 4, 5 and 6 for maximum output in the order designated by their numbering.
3. Recheck the adjustment of each padder beginning with number 1 to prevent interlocking of circuits.
4. Disconnect oscillator from 6ABG grid cap and replace grid clip.
5. Connect oscillator to terminal on rear of set marked "A." Ground oscillator cable shield to terminals marked "D" and "C."
6. Set the wave band switch to broadcast position. Rotate the condenser fully out of mesh and adjust padder number 7 for resonance at 1650 K. C.
7. Rotate the dial pointer until it is opposite 140 on the broadcast band and adjust padders 8 and 9 for maximum output.
8. Reset the balancing oscillator to 600 K. C. and rotate the tuning condenser until this signal is received. Adjust padder number 10 for maximum output while rotating the tuning condenser slightly to follow the drift in frequency caused by the change in padder adjustment.
9. Reset the wave switch to the mid band position (5500-1750 K. C. range). Readjust the balancing oscillator to 4800 K. C. and set the dial pointer to 4.8 on the center dial calibration.
10. Adjust padder number 11 for resonance.
11. Adjust padders 12 and 13 for maximum output.
12. Reset balancing oscillator to 1800 K. C. Set the dial point to 1.8 on the center dial calibration.
13. Adjust padder number 14 for maximum output while rotating tuning condenser slightly to follow drift in frequency caused by the change in padder adjustment.
14. Reset the band switch to the short wave position (5.5-18.5 megacycles). Readjust the balancing oscillator to 16 megacycles and set the dial pointer opposite 16 on the short wave band.
15. Unscrew screw in padder number 15 until padder condenser plates are wide open. Then tighten selecting the first resonance point reached. (The short wave band will not function unless this precaution is taken.)
16. Adjust padders 16 and 17 until maximum output is obtained.

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