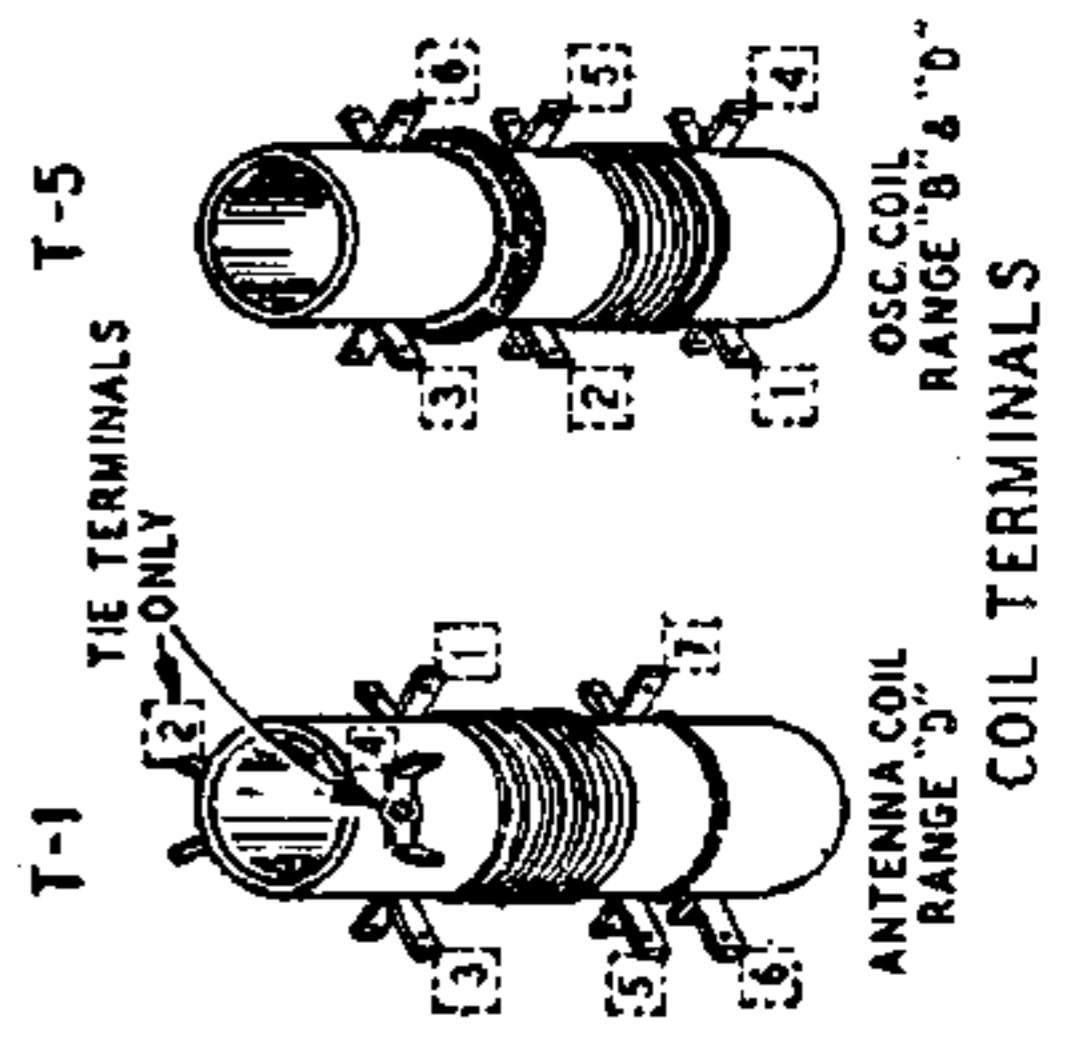
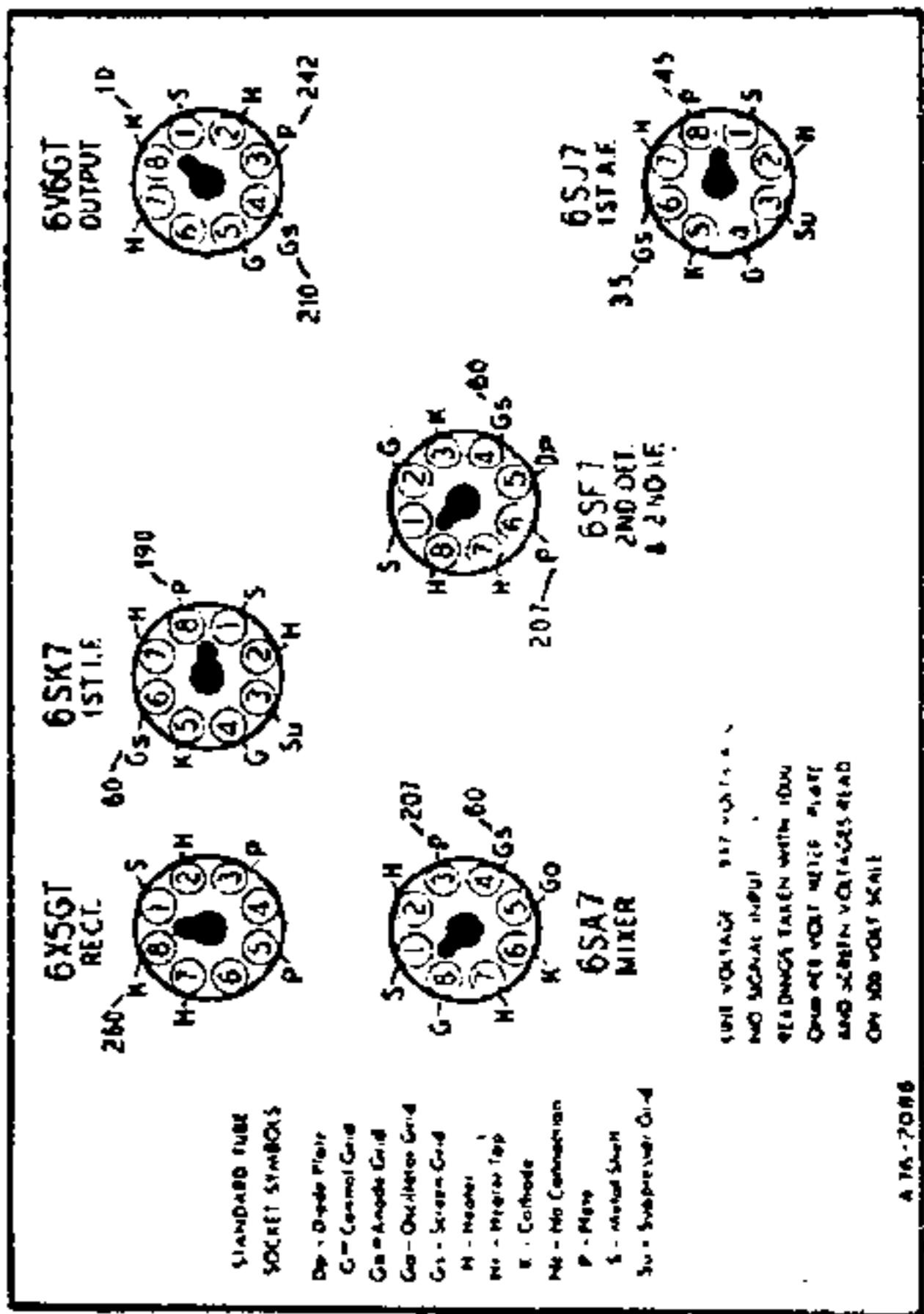
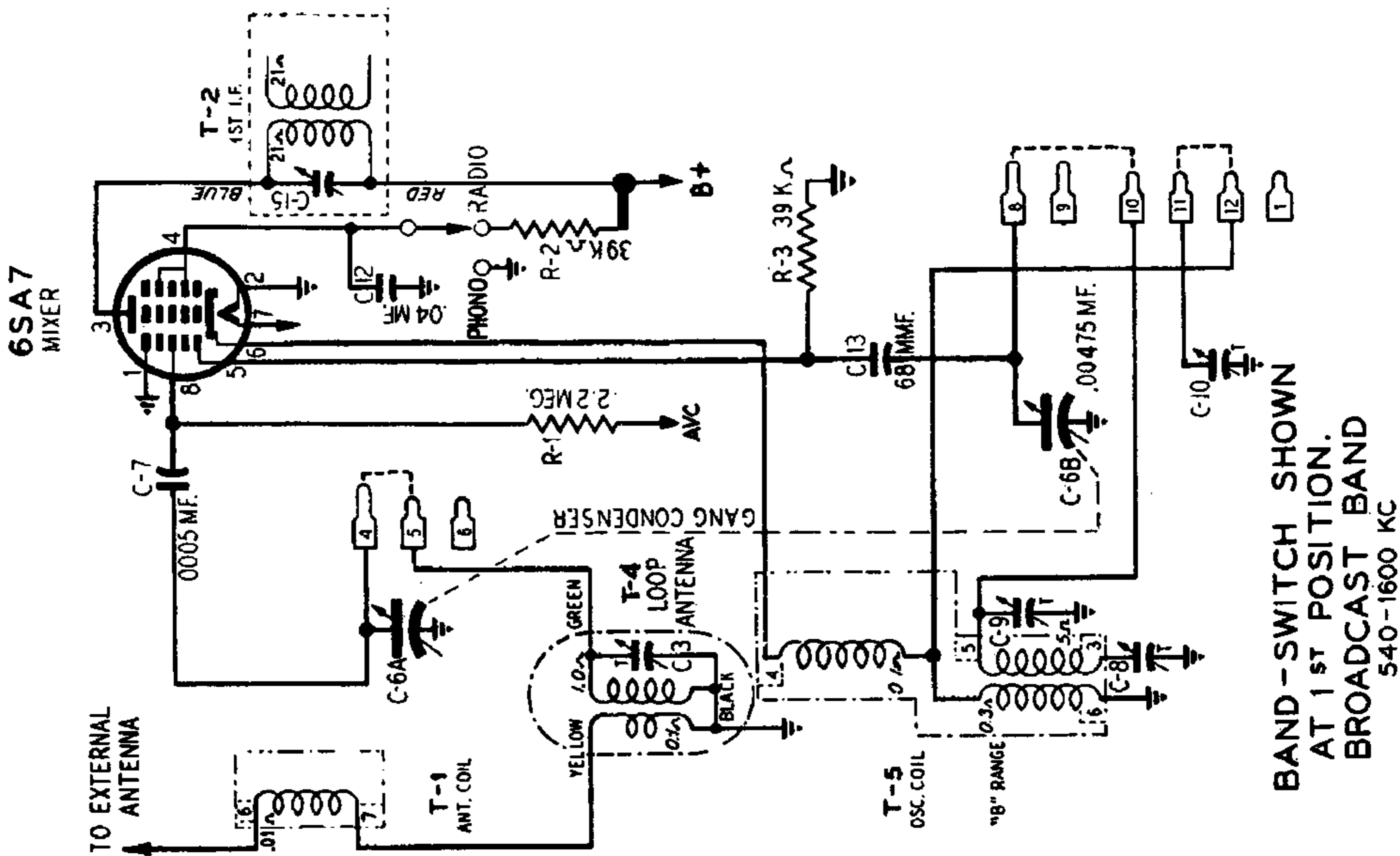
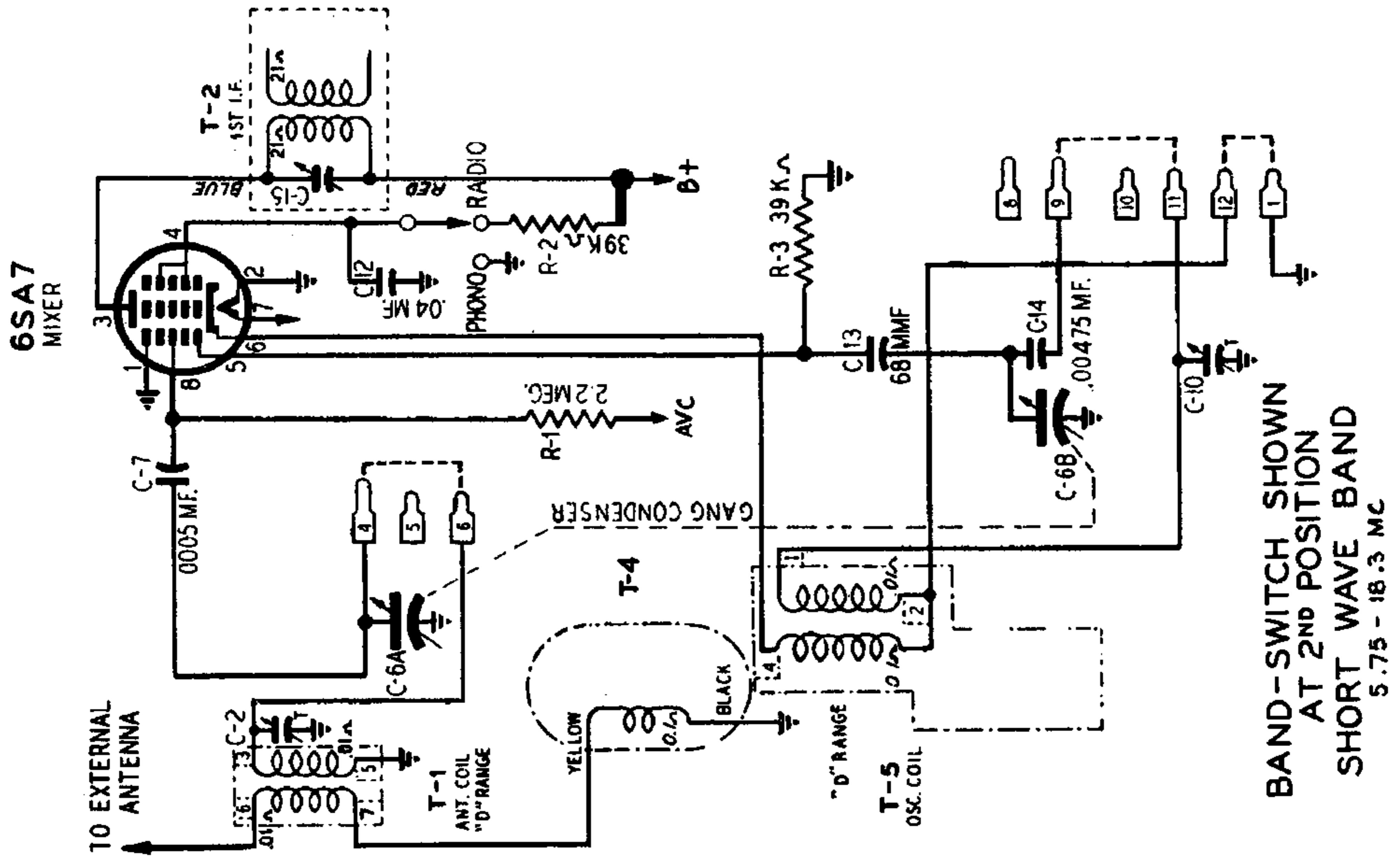


* R-20 not used in MODEL D1845A





ALIGNMENT PROCEDURE

Volume Control—Maximum All Adjustments.
Connect Radio Chassis to Ground Post of Signal Generator with a Short Heavy Lead.
Allow Chassis and Signal Generator to "Heat Up" for several minutes.

The following equipment is required for aligning:
An All Wave Signal Generator which will provide an accurately calibrated signal at the test frequencies as listed.
Output Indicating Meter—Non-Metallic Screwdriver.
Dummy Antennas—.1 mf., 50 mmf., and 400 ohms.

SIGNAL GENERATOR		CONNECTION AT RADIO	DUMMY ANTENNA	BAND SWITCH SETTING	CONDENSER SETTING	ADJUST TRIMMERS TO MAXIMUM
FREQUENCY SETTING						
I.F.	455 KC	Grid of 6SA7 Pin 8	.1 mf.	B Range	Turn Rotor to Full Open	1st I.F. (C15 & C16) 2nd I.F. (C20 & C21)
RANGE						
B	1620 KC	Antenna Lead	50 mmf.	B Range	Turn Rotor to Full Open	Oscillator Range B (C9)
	1400 KC	Antenna Lead	50 mmf.	B Range	Tune Rotor to Max. Output	Ant. Range B (C3)
	600 KC	Antenna Lead	50 mmf.	B Range	Tune Rotor to Max. Output	600 KC (C8) See Note B

Repeat above steps at 1620 and 600 KC until readjusting the oscillator Range B Trimmer (C9) causes no further improvement in output.

RANGE	FREQUENCY SETTING	CONNECTION AT RADIO	DUMMY ANTENNA	BAND SWITCH SETTING	CONDENSER SETTING	ADJUST TRIMMERS TO MAXIMUM
D	18.3 MC	Antenna Lead	400 Ohm	D Range	Turn Rotor to Full Open	Oscillator Range D (C10)
	16 MC	Antenna Lead	400 Ohm	D Range	Tune Rotor to Max. Output	Ant. Range D (C2) Rock Rotor—See Note B

LOOP RANGE	FREQUENCY SETTING	CONNECTION AT RADIO	DUMMY ANTENNA	BAND SWITCH SETTING	CONDENSER SETTING	ADJUST TRIMMERS TO MAXIMUM
B	1400 KC	Antenna Lead	50 mmf.	B Range	Tune Rotor to Max. Output	Ant. Range B (C3) See Note A

MISCELLANEOUS

12A477	8" P.M. Speaker	T-1
3A303	Tube Socket—Octal (8 prong) Moulded	T-2
3A304	Phono Motor Socket	F-3
3A305	Phono Socket—Single Pin Tip	T-4
10A689	Knob (Tuning)	T-5
10A690	Knob (Off-On Volume)	T-6
10A687	Knob (SW-BC)	T-7
10A688	Knob (Tone—R.P.)	
2A372	Band Change Switch	
13X328	Line Cord and Plug Assembly No. 750 Phono-Console Cabinet	

CAPACITORS

C-2	17A164	5-50 mmf	Trimmer
C-3	17A235	2-24 mmf	Trimmer
C-6A, C-6B	14A184	Gang Condenser with	Drive Pulley
C-7	B66501	.0005 mf 200 V	Tubular
C-8	17A155	350-430 mmf	Trimmer
C-9, C-10	17A109	2.5-35 mmf	Dual Trimmer
C-12, C-18	D66403	.04 mf 400 V	Tubular
C-13	47X466	68 mmf	Moulded
C-14	46X289	.00475 mf 180 V	Tubular
C-15, C-16	Part of T-2	(1st I-F Coil Assembly)	
C-19, C-23	47X463	47 mmf	Moulded
C-20, C-21	Part of T-3	(2nd I-F Coil Assembly)	
C-22A, C-22B	47X112	50-50 mmf	Dual Mica
C-24	D64403	.04 mf 400 V	Tubular
C-25	D66502	.005 mf 400 V	Tubular
C-26	D67104	.10 mf 400 V	Tubular
C-27	D64253	.025 mf 400 V	Tubular
C-28	D66402	.004 mf 400 V	Tubular
C-29	D66103	.01 mf 400 V	Tubular
C-30A		40 mf 450 V	
C-30B	45X346	40 mf 450 V	3 Section Electrolytic
C-30C		20 mf 25 V	
C-31	H66402	.004 800 V	Tubular
C-32	47X467	470 mmf	Moulded
C-33	B66503	.05 mf 200 V	Tubular

RESISTORS

B85225	R-1, R-7	2.2 megohms	0.5 W	Carbon
B84393	R-2, R-4	39 K ohms	1.0 W	Carbon
B84393	R-3	39 K ohms	0.5 W	Carbon
B84222	R-5	2200 ohms	0.5 W	Carbon
B85105	R-6	1 megohm	0.5 W	Carbon
B85473	R-8	47 K ohms	0.5 W	Carbon
B84153	R-9	15 K ohms	0.5 W	Carbon
36X358	R-10	500 K ohms		Volume Control and Line Switch
B85106	R-11	10 megohms	0.5 W	Carbon
B85474	R-12, R-16	470 K ohms	0.5 W	Carbon
B84333	R-13	33 K ohms	0.5 W	Carbon
B84823	R-14	82 K ohms	0.5 W	Carbon
40X276	R-15	3.0 megohms		Tone Control & Radio Phono Switch
C84271	R-17	270 ohms	1.0 W	Carbon
D84182	R-19	1800 ohms	2.0 W	Carbon
B85100	R-20	10 ohms	0.5 W	Carbon

TRANSFORMERS AND COILS

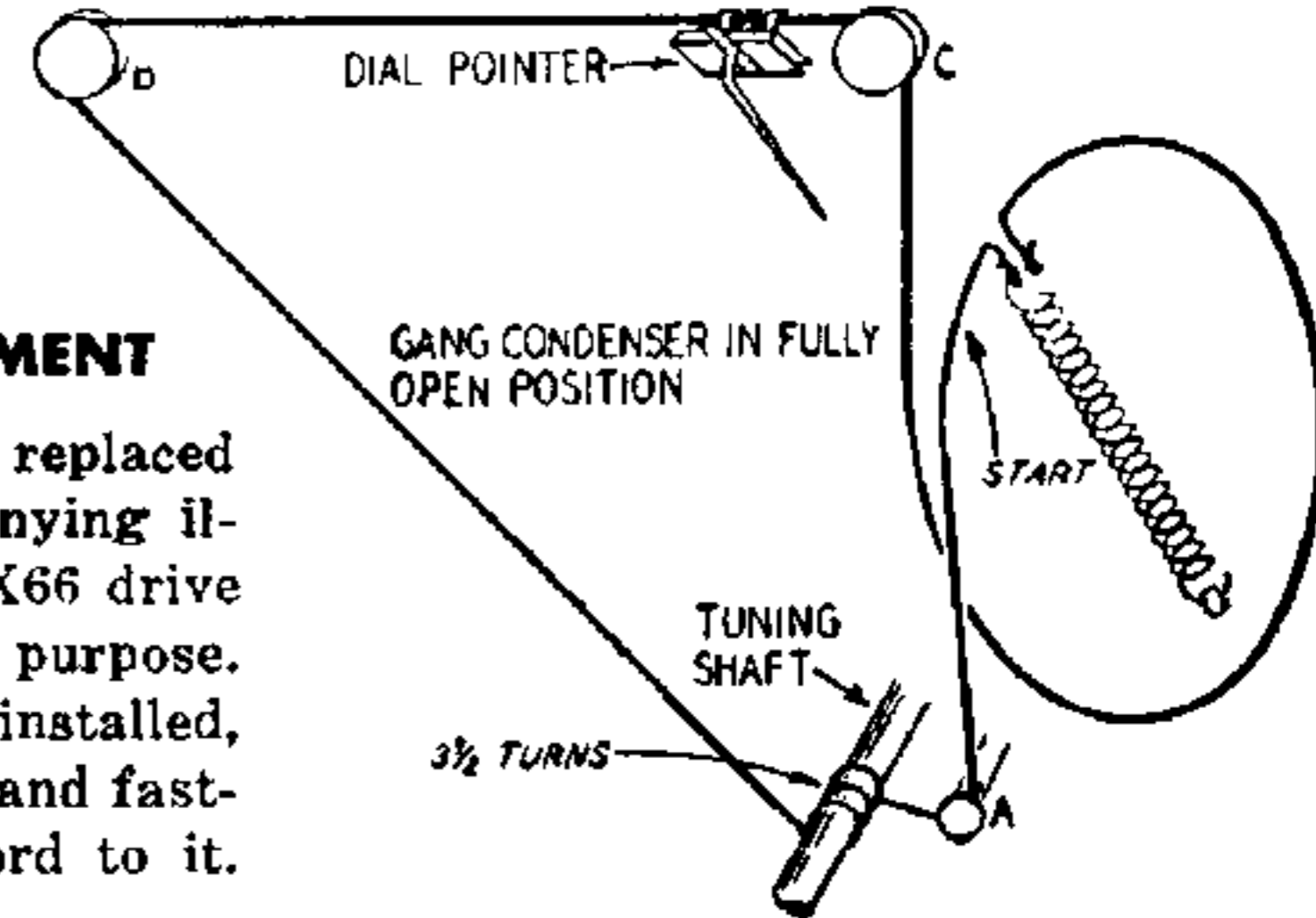
T-1	9A1917	"D" Range Antenna Coil Assembly
T-2	9A1814	1st I-F Coil Assembly
F-3	9A1815	2nd I-F Coil Assembly
T-4	26A442	"B" Range Loop Antenna
T-5	9A1918	Oscillator Coil Assembly
T-6	53X282	Power Transformer
T-7	51X134	Output Transformer

DIAL AND DRIVE ASSEMBLY

6X21	Rubber Grommet	} Mtg. Gang Condenser
20X329	Cond. Cushion Stud	
25X1489	Pulley Bracket (Right)	
25X1490	Pulley Bracket (Left)	
26X485	Drive Shaft	
19X192	"C" Washer	
25X1491	Pointer Bracket	
15X229	Pointer	
10X66	Drive Cord Assembly	
28X113	Drive Cord Tension Spring	
30X517	Dial Clamp	
4X915	Escutcheon, Dial (Right)	
4X916	Escutcheon, Dial (Left)	
4X931	Escutcheon Insert	
58X694	Dial Glass	
7A200	Pilot Light Socket Assembly	
7A32	Pilot Light Bulb No. 51	

DRIVE CORD REPLACEMENT

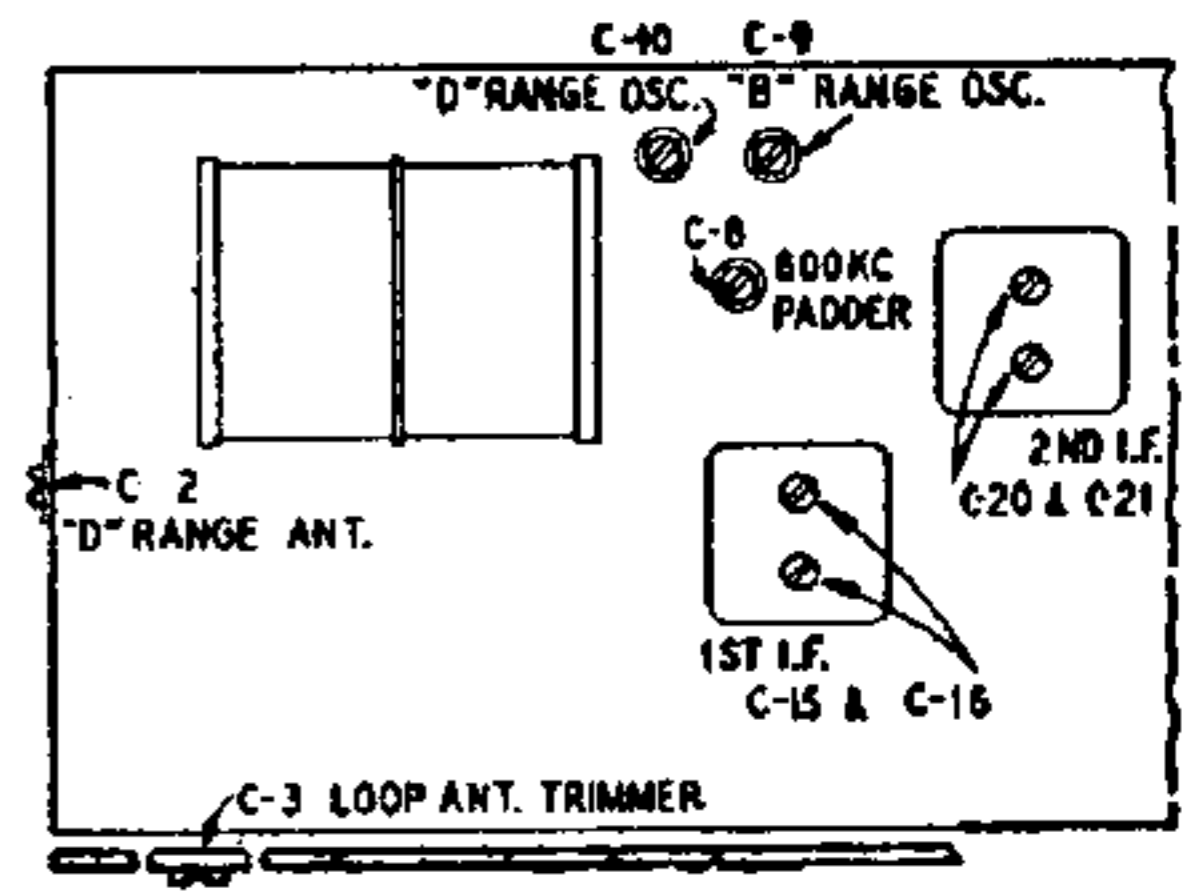
The drive cord should be replaced as shown on the accompanying illustration using a new 10X66 drive cord assembly for the purpose. After the cord has been installed, stretch the tension spring and fasten the free end of the cord to it.



SPECIFICATIONS

Power Consumption (at 117 Volts AC)	45 Watts (normal) 70 Watts (phono operating)
Power Output	4 Watts, Maximum 2.3 Watts, 10% Harmonics
Tuning Frequency Range	B Range 540-1600 Kilocycles D Range 5.75-18.3 Megacycles

Speaker	8" PM Dynamic
Intermediate Frequency	455 KC
Selectivity	40 KC Broad at 1000 Times Signal
Sensitivity (For 0.5 Watt Output, with External Antenna)	B Range 9 Microvolts Average D Range 20 Microvolts Average



NOTE A—Set pointer at the 1400 KC mark on the dial scale. Attach pointer to drive cord.

NOTE B—Turn rotor back and forth and adjust the trimmer until peak of greatest intensity is obtained.

REMOVAL OF CHASSIS FROM CABINET

Before removing the chassis from the cabinet it will be necessary to detach the dial pointer from the dial string. To do this, spread the tabs on the pointer and pull the dial string off the pointer.

The dial lamp socket assemblies may be disengaged from the cabinet mounting by squeezing together and pulling away from the cabinet mounting, the spring bracket to which the dial lamp socket is mounted. Take care not to bend or damage the large drive pulley on the gang condenser while doing this.

When replacing the chassis in the cabinet it will be necessary to tune in a station of a known frequency and move the dial pointer until that frequency is indicated on the dial and then attach the pointer to the dial string. Take care not to scuff or cut the dial string or bend the pointer during this operation.