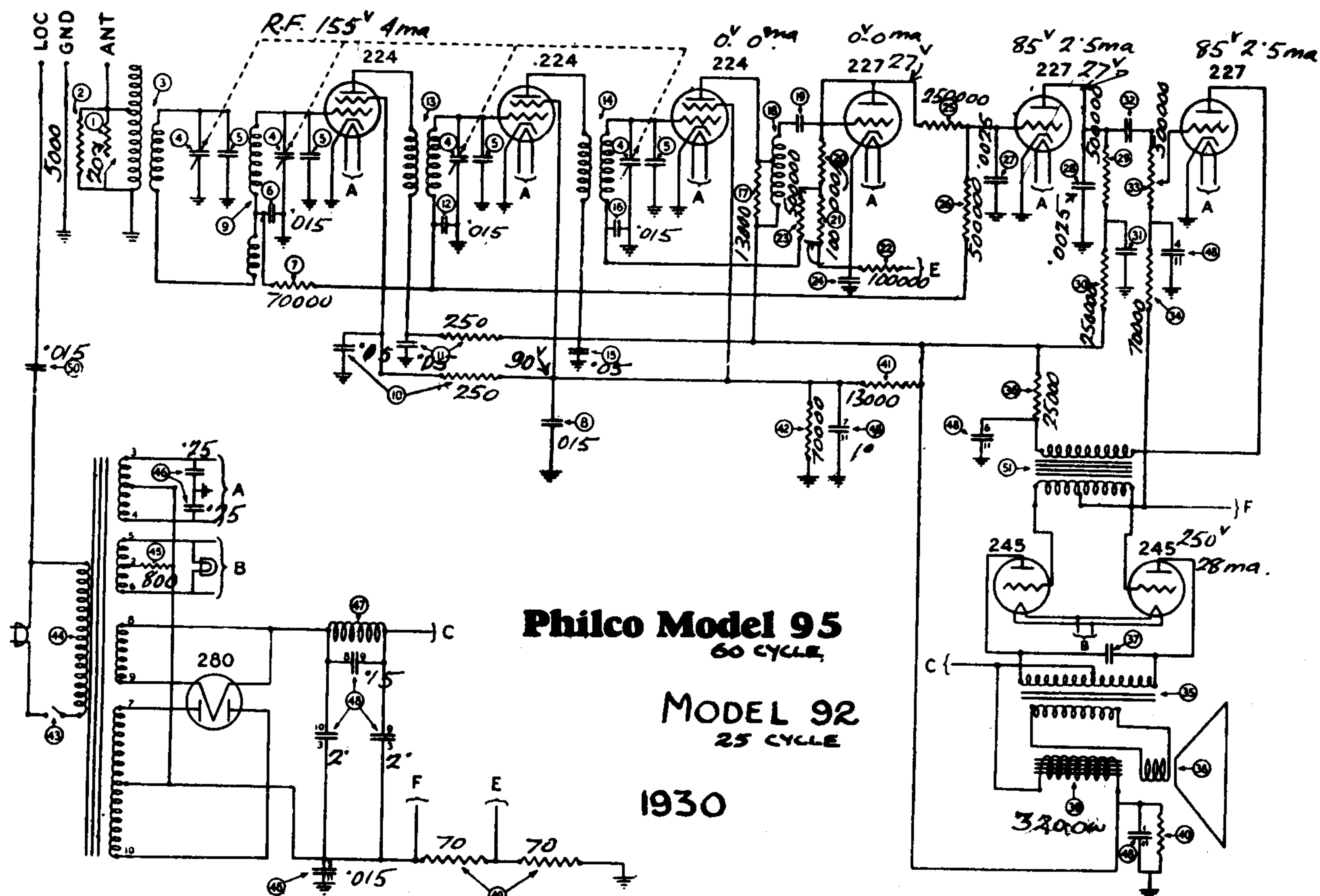


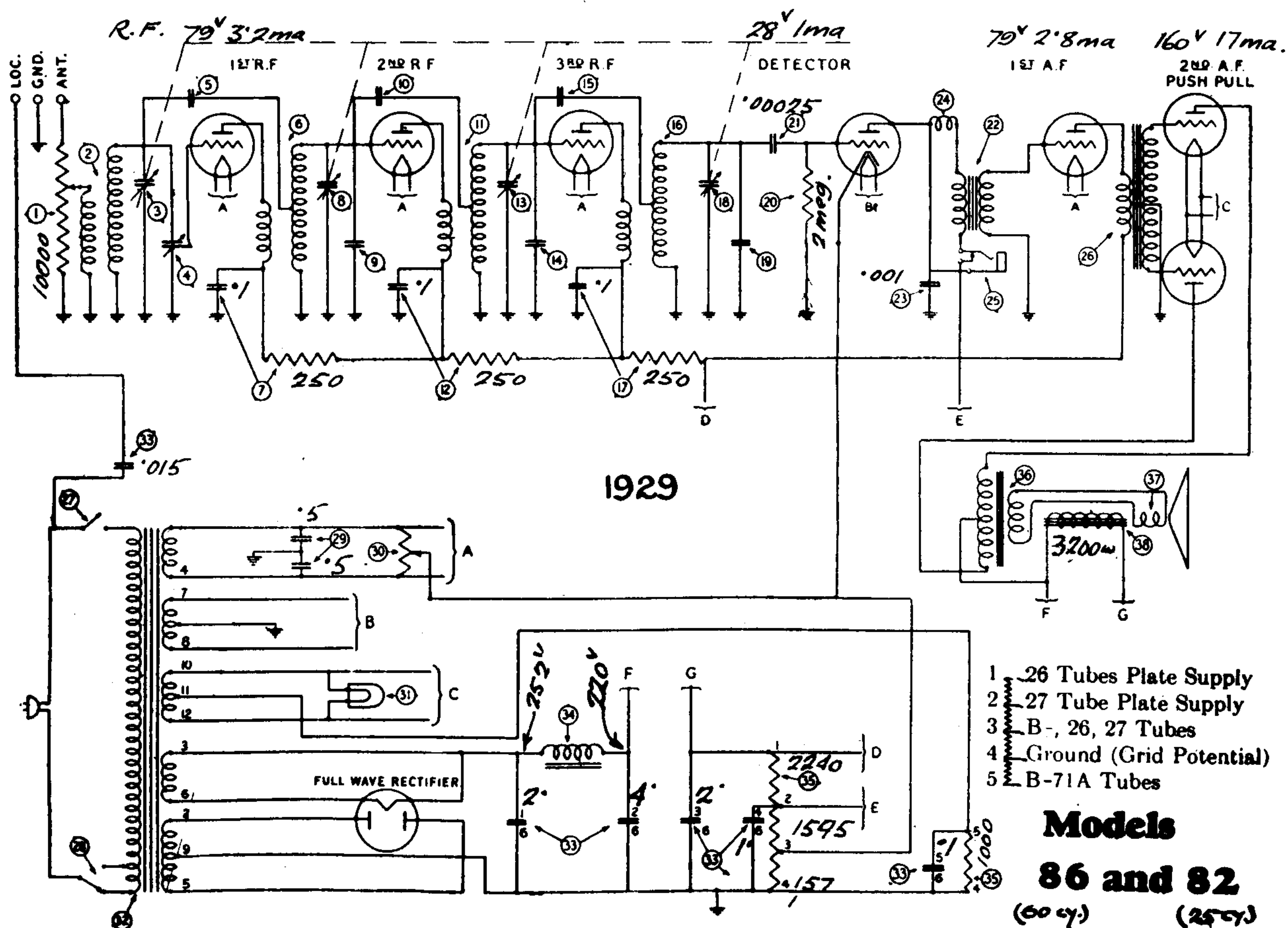
Philco Radio & Television Corp.

	Model: 95	Chassis:	Year: Pre October 1937
	Power:	Circuit:	IF:
	Tubes:		
	Bands:		
Resources			
RCC PHILCO 5			
Riders 1 (I) PHILCO 1-23			
Riders 8 (VIII) PHILCO 8-89			

Table
Low Boy
High Boy
De Luxe
High Boy



Low Boy
De Luxe
High Boy



—Courtesy Philco Products Ltd. of Canada

Fig. 3

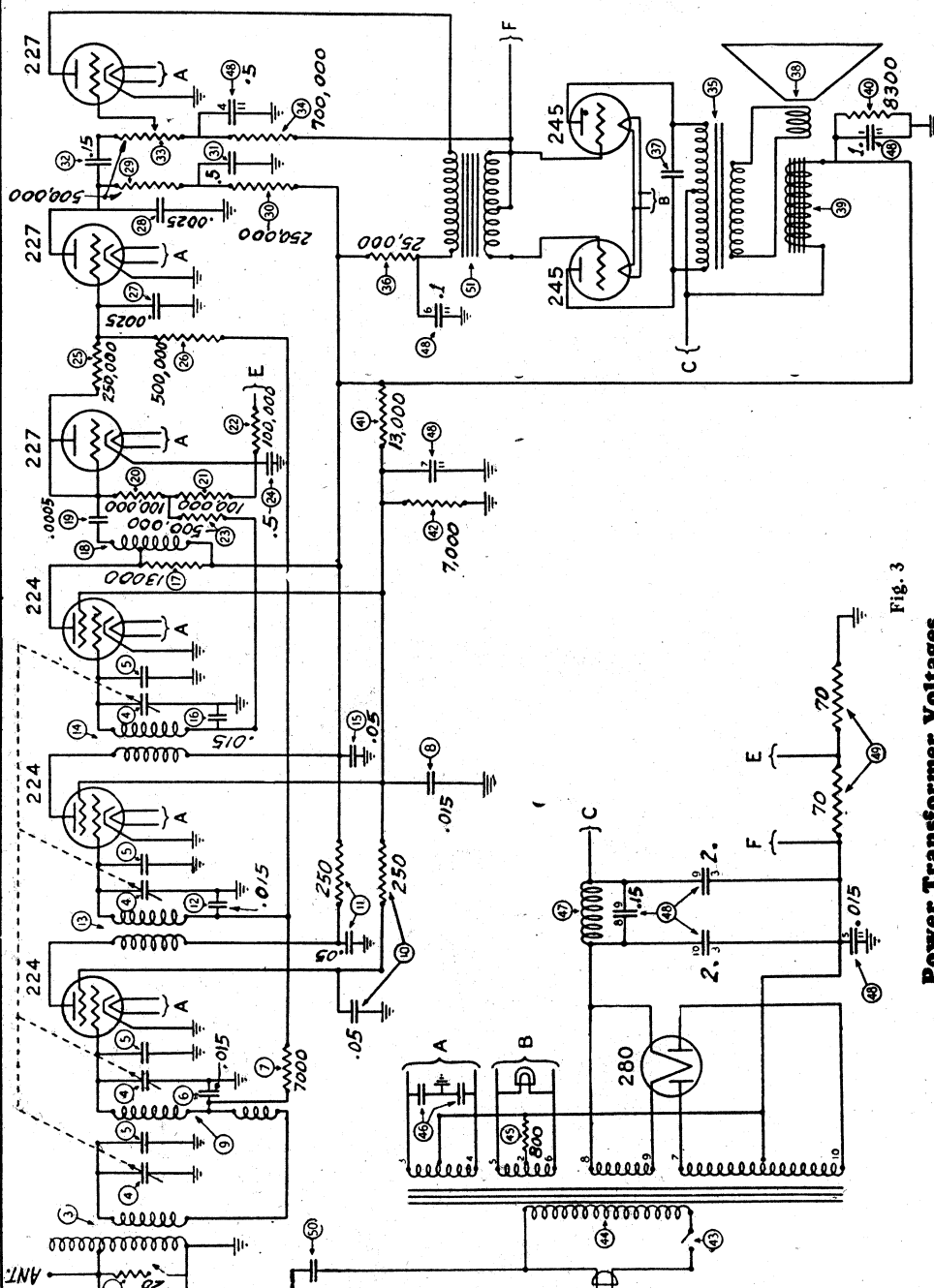


Fig. 3

Power Transformer Voltages

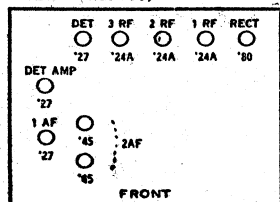
TERMINALS	A.C. VOLTS	SECONDARY
3-4	2.67	Heaters of 224 and 227 Tubes
5-6	2.68	Filaments of 245 Tubes
2		Center Tap for 245 Tubes
8-9	5.00	Filament of 280 Tube
7-10	7.50	Plate of 280 Tube
1		Center Tap for 280 Tube
Yellow Wire		Center Tap for 224 and 227 Tubes
Black Wire		Primary
Green Wire		Primary

Voltages Read with A.C. Set Tester. A.C. Line 115 Volts.

TUBE		FILAMENT VOLTS	PLATE VOLTS	SCREEN GRID VOLTS	CONTROL GRID VOLTS	CATHODE VOLTS	PLATE MILLI- AMPERES
TYPE	CIRCUIT						
280	Rectifier	4.5					43/Plate
224	1st R. F.	2.15	155	95	0	5.3	4
224	2d R. F.	2.15	155	95	0	5.3	4
224	3d R. F.	2.15	155	95	0	5.3	4
227	Det.	2.15	0		-.5	.7	0
227	Det. Amp.	2.15	27		-.5	5.5	0
227	1st A. F.	2.15	85		-2.0*	5.5	2.5
245	2d A. F.	2.2	250		41		28
245	2d A. F.	2.2	250		41		28

*This is read with Volume Control off. With it on the reading will be .2 volt.

Models Philco's 95,



Alignment, Trimmers

PHILCO RADIO & TELEV. CORP.

MODEL 95, 96, 296
MODEL 503
MODEL 504
MODEL 505

MODEL NOS. 95, 96, 296

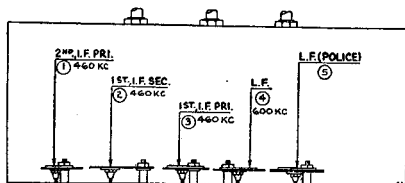
Signal Generator Connection	Signal Generator Frequency	Dial Position	Wave Band Switch Position	Trimmer Number	Output Signal
Remove grid clip from 6A7	Control grid of 6A7	480 k.c.	55	Broadcast	1 Max.
"	"	"	"	"	2 Max.
"	"	"	"	3	Max.
Connect grid clip to 6A7	Ant.*	"	"	Wave 1	Min.
"	1400 k.c.	140	"	H.F. Osc. 2	Max.
"	600 k.c.	60	"	Ant. 2	Max.
"	1400 k.c.	140	"	H.F. Osc. 4	Max.**
"	Note 3	Low-freq. end	Police	5	Max.

Signal Generator Connection	Signal Generator Frequency	Dial Position	Trimmer Number	Output Signal
Ant.*	1300 k.c.	130	Det. 1	Max.
"	"	"	3rd 1	Max.
"	"	"	2nd 1	Max.
"	"	"	R.F. Ant. 1	Max.

Note 1.—Located on top of chassis, behind gang condenser and between r.f. coil shields.
* Connect a 200-mmf. condenser between the signal generator and the antenna post of the set, at the antenna post.

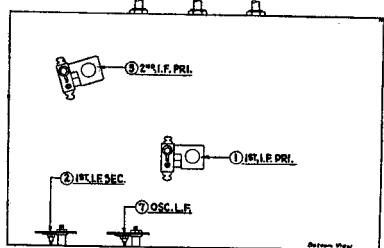
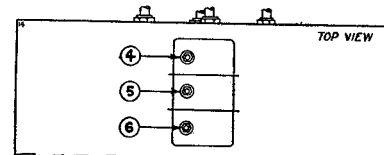
MODEL NO. 503

Note 1.—Wave trap in series with antenna was not used on early production. Note 2.—H.F. osc. and ant. trimmers are located on tuning-condenser frame—the ant. trimmer is nearest front of chassis.
Note 3.—Set signal generator frequency to same as point on dial chosen near low frequency end. Adjustment of (5) will correct the dial calibration.
* Connect a 200-mmf. condenser between signal generator and antenna post of set, at the antenna post.
** While rocking.



Signal Generator Connection	Signal Generator Frequency	Dial Position	Wave Band Switch Position	Trimmer Number	Output Signal
Remove grid clip from 6A7	Control grid of 6A7	280 k.c.	55	...	3 Max.
"	"	"	"	...	2 Max.
"	"	"	"	...	1 Max.
Connect grid clip to 6A7	Ant.**	1500 k.c.	150	...	6 Max.
"	1400 k.c.	140	...	5	Max.
"	1400 k.c.	"	...	4	Max.
"	600 k.c.	60	...	7	Max.*
"	1500 k.c.	150	...	6	Max.

* While rocking.
** Connect a 200-mmf. condenser between signal generator and antenna post of set, at antenna post.



MODEL NO. 504

Signal Generator Connection	Signal Generator Frequency	Dial Position	Wave Band Switch Position	Trimmer Number	Output Signal
Remove grid clip from 6A7	Control grid of 6A7	460 k.c.	520 k.c.	Range 1	7 1 Max.
"	"	"	"	"	8 2 Max.
"	"	"	"	"	9 1 Max.
"	"	"	"	"	10 2 Max.
"	"	"	"	"	11 Max.
"	"	"	"	"	12 Max.
Connect grid clip to 6A7	Ant.*	"	"	"	13 Min.
"	20 m.c.	20 m.c.	Range 4	1	Max.
"	10.8 m.c.	10.8 m.c.	Range 3	2	Max.
"	3.6 m.c.	3.6 m.c.	Range 2	3	Max.
"	1500 k.c.	15 m.c.	Range 1	4	Max.
"	1400 k.c.	1400 k.c.	Range 1	5	Max.
"	520 k.c.	520 k.c.	Range 1	6	Max.

* Use a 200-mmf. condenser as dummy antenna on broadcast band and a 400-ohm carbon resistor on shortwave band.
Note 1.—Nut adjustment.
Note 2.—Screw adjustment.
Caution: The two trimmers on the rear sections of the tuning condenser gang are correctly adjusted and sealed at the factory. Do not change this adjustment.

