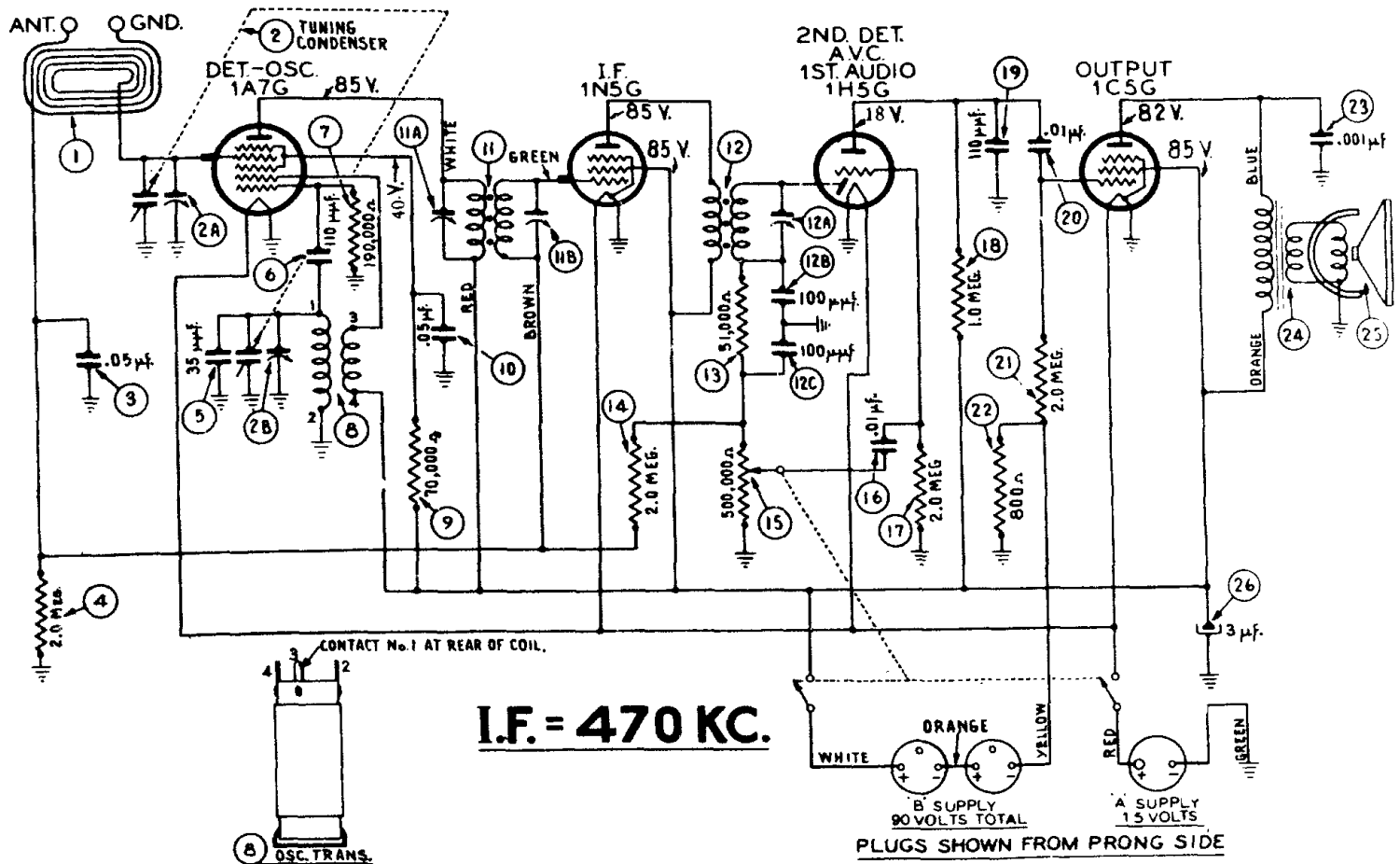


PHILCO

Model 39-71, Codes 121, 122



Operations in Order	SIGNAL GENERATOR			RECEIVER		
	Output Connections to Receiver	Dummy Antenna (Note A)	Dial Setting	Dial Setting	Control Settings	Adjust Compensators in Order
1	1A7G Grid	.1 mfd.	470 K. C.	580 K. C.	Vol. Cont. Max.	12A, 11B, 11A
2	Ant. & Grd. Terminals	400 ohms	1550 K. C.	1550 K. C.	Vol. Cont. Max.	2B, 2A

A—The "Dummy Antenna" consists of a condenser or resistor connected in series with the signal generator output lead (high side). Use the capacity or resistance as specified in each step of the above procedure.

B—**DIAL CALIBRATION:** In order to adjust the receiver correctly, the dial must be adjusted to track properly with the tuning condenser. To adjust the dial proceed as follows: Turn the tuning condenser to maximum capacity (plates fully meshed). With tuning condenser in this position set the pointer to the small "black dot" at the low frequency end of the dial scale.

C—To adjust the I. F. compensators, remove the back from the cabinet, which is held in place by four screws. The chassis is then taken out by removing the four screws and two corks underneath the cabinet, and the Tuning and Volume knobs. The I. F. compensators are located on top of the I. F. transformers.

When adjusting the Antenna (2A) and Oscillator (2B) compensators, the chassis must be assembled in the cabinet with the batteries and loop in place. The Signal Generator output lead with the "Dummy Antenna" is then connected to the terminals marked "Ant" and "Grd" underneath the cabinet. The antenna and oscillator compensators are then adjusted through the holes in the bottom of the cabinet.

Replacement Parts

Code No.	Description	Part No.	Code No.	Description	Part No.	Code No.	Description	Part No.
1	Loop Assy.	40-6421	14	Resistor (2 megohms)	33-520339	24	Electrolytic Cond. (3 mf.)	30-2359
2	Tuning Cond.	31-2322	15	Volume Control & Switch	33-5301		Bezel Window	27-5434
3	Tubular Cond. (.05 mf.)	30-4519	16	Tubular Cond. (.01 mf.)	30-4572		Dial	31-2321
4	Resistor (2 megohm)	33-520339	17	Resistor (2 megohm)	33-520339		Dial Pointer	28-5185
5	Mica Cond. (35 mmf.)—mounted on top of tuning condenser	30-1095	18	Resistor (1 megohm)	33-510339		Dial Drive Cord Assy.	31-2323
6	Mica Cond. (110 mmf.)	30-1031	19	Mica Cond. (110 mmf.)	30-1031		Dial Tuning Shaft & Brkt. Assy.	31-2324
7	Resistor (190,000 ohms)	33-419339	20	Tubular Cond. (.01 mf.)	30-4572		Escutcheon (knobs)	56-1252
8	Oscillator Trans.	32-3118	21	Resistor (2 megohm)	33-520339		Escutcheon (screws)	W-2129
9	Resistor (70,000 ohms)	33-370339	22	Resistor (800 ohms)	33-180339		Knob (Tuning, Volume)	27-4331
10	Tubular Cond. (.05 mf.)	30-4444	23	Tubular Cond. (.001 mf.)	30-4201		Loop Antenna	40-6421
11	1st I. F. Trans. Assy.	32-3103	24	Output Trans. for Speaker No. 36-1451-3	32-8036		Pulley (Tuning Condenser)	28-6662
12	2nd I. F. Trans. Assy.	32-3081	25	Voice Coil Assy. for Speaker No. 36-1451-3	36-4090			
13	Resistor (51,000 ohms)	33-351339						