

PHILCO RADIO-PHONOGRAPH MODEL 50-1720

Model 50-1720 is electrically similar to Model 50-1725. Model 50-1720 is housed in a different style of cabinet, it has a few circuit refinements over Model

50-1725, and it employs an M-20 record changer. The schematic diagram for Model 50-1720 is shown in figure 1.

REPLACEMENT PARTS LIST

The replacement parts list for Model 50-1725 applies to Model 50-1720, except for the differences indicated below.

Reference Symbol	Description	Service Part No.	Reference Symbol	Description	Service Part No.
C105	Condenser, filament by-pass, 100 μf .	62-110009001*	L410	Coil, B- r-f isolating choke, 100 μh .	32-4143-4
CR100	Rectifier, selenium, dry-disc, 150 ma.	34-8003-2	LA400	Loop aerial	76-3583-13
CR101	Rectifier, selenium, dry-disc, 150 ma.	34-8003-2	MISCELLANEOUS		
R100	Resistor, current limiting, 50 ohms	33-1335-84	Description	Service Part No.	
R101	Resistor, 2-section filter.	33-3435-23	Cabinet	10762	
R102	Resistor, filter, 10,000 ohms, 1w.	66-3104340*	Back	54-7846	
C210	Condenser, cathode by-pass, 220 μf .	62-122001001*	Screw, back mtg. (12 required)	1W25345FE11	
LS200	Loud-speaker	36-1610-4	Baffle, wood, speaker	219-179	
R201	Resistor, bass compensation, 33,000 ohms	66-3338340*	Baffle-and-cloth ass'y.	40-7715	
T200	Transformer, audio output	32-8367-1	Bezel	56-5855	
C320	Condenser, plate decoupling by-pass (FM), 100 μf . (rewired)	62-110009001*	Bin mechanism, l.h.	76-3223-5	
C329	Condenser, r-f by-pass, 100 μf . (rewired)	62-110009001*	Bin mechanism, r.h.	76-3223-6	
C333	Condenser, r-f by-pass, 100 μf .	62-110009001*	Spring, bin mechanism (2 required)	56-4978	
Z300	Transformer, FM 1st i-f	32-4257A	Dial scale	54-5021	
Z301	Transformer, AM 1st i-f	32-4258A	Scale strap (2 required)	56-2234-3	
Z302	Transformer, FM 2nd i-f	32-4372-1A	Door pull	56-6493	
Z303	Transformer, AM 2nd i-f	32-4160-3A	Dome	45-6190	
Z305	Transformer, AM 3rd i-f	32-4240-2A	Drop door	45-6564	
C400	Condenser, tuning gang (FM, 3-section; AM, 2-section)	31-2724-7	Frame ass'y., changer mtg.	76-4104	
			Grommet, control shaft, light shield (4 required)	27-4610	
			Hinge (2 required)	45-6036	
			Instrument panel	45-6565	
			Knob (4 required)	54-4376	
			Socket ass'y., pilot lamp	27-6233-39	

Run 2—To improve FM discriminator performance, C330 is removed.

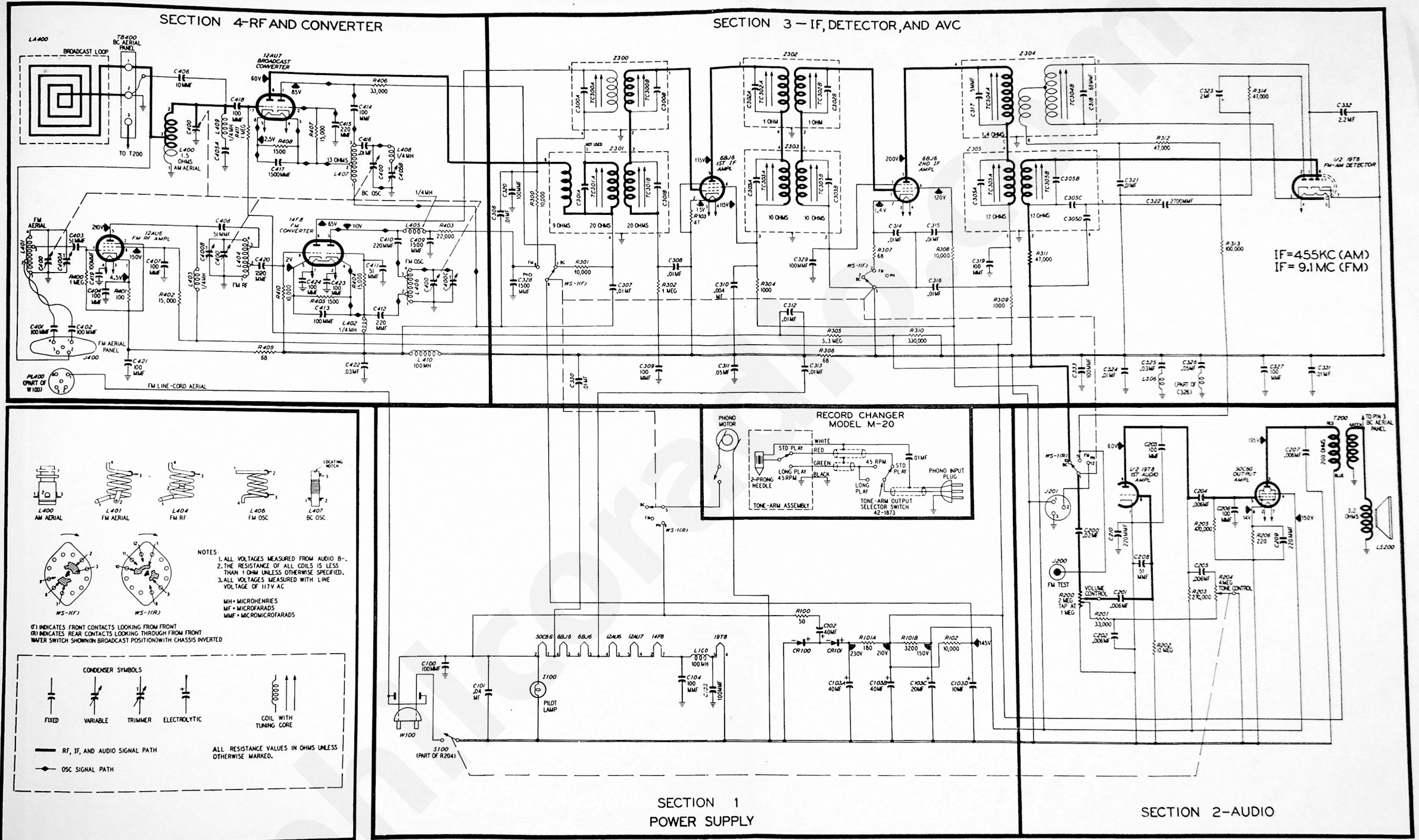


Figure 1. Philco Radio-Phonograph Model 50-1720, Schematic Diagram