

PHILCO RADIO-PHONOGRAPH MODEL 50-1423

Model 50-1423 is electrically similar to Model 50-1420. Model 50-1423 is housed in a wood, table-model cabinet, with an M-20 record changer. The mechanical construction of the chassis differs from that of Model 50-1420. The service information for Model 50-1420 applied to Model 50-1423, with the exceptions given below.

SCHEMATIC DIAGRAM

The value of C100 is .04 μ f., Part No. 45-3500.

The value of R401 is 47,000 ohms, Part No. 66-347-8340*.

The oscillator circuit is wired as shown in figure 1.

BASE VIEW

The under-chassis layout of Model 50-1423 differs from that of Model 50-1420. The parts layout of Model 50-1423 is shown in figure 2.

REPLACEMENT PARTS LIST

The replacement parts list for Model 50-1420 applies to Model 50-1423, except for the differences indicated below.

Reference Symbol	Description	Service Part No.
LS200	Loud-speaker, p.m.	36-1629
R200	Volume control (with power on-off switch), 2 megohms, tapped at 1 megohm	33-5564-2
T200	Transformer, output	32-8242
C400	Condenser, tuning gang	31-2751-2
LA400	Loop aerial	76-2127-9
T400	Transformer, oscillator	32-4190-2

MISCELLANEOUS

Description	Service Part No.
Cabinet	10727
Apron	56-5955
Baffle-and-cloth ass'y.	40-7550
Bezel	56-5931
Bottom, celotex	54-7687-1
Foot, rubber (4 required)	54-4579
Knob (3 required)	54-4527-9
Lid	45-6454

MISCELLANEOUS (Cont.)

Description	Service Part No.
Butt hinge	56-6434
Support	56-5992
Spring, changer mtg. (3 required)	56-7059FA9
Spring, changer mtg. (3 required)	56-7059-1FJ47
Window, acetate	54-4630
Dial scale, metal	54-5022
Drive shaft	76-3731-1
Heat shield, aluminum	56-6310
Pilot-lamp-socket ass'y.	27-6233-6
Pointer	56-7001
Rubber mount, tuning gang (4 required)	27-4771-1

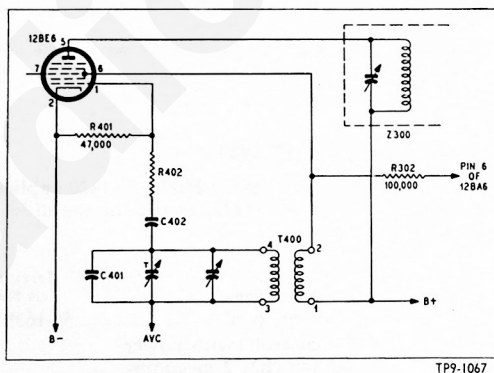


Figure 1. Oscillator Circuit of Philco Radio-Phonograph Model 50-1423

CRITICAL LEAD DRESS INFORMATION

The green lead from the aerial section of C400 must be wired to the same loop panel lug as the inside loop lead (side away from cabinet), and the black lead must be wired to the same lug as the outside loop lead (adjacent to cabinet).

The white lead from the oscillator section of C400 must be dressed upward from the chassis, and away from the trimmer screw.

The yellow lead from Z301 to lug 12 of the wafer switch must be wired along the top side of the chassis, and dressed downward to the chassis.

The orange and brown leads wired to lugs 1 and 2 of the wafer switch must be wired along the removable side, and dressed downward to the chassis.

All wiring and components must be kept clear of R100, R101, and R102.

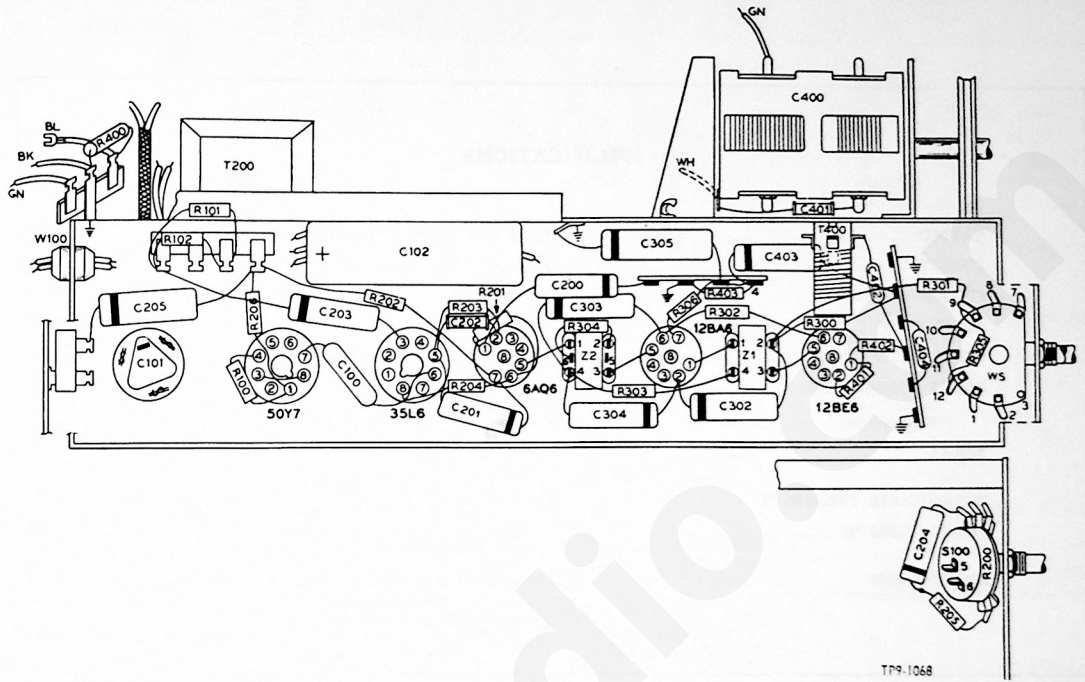


Figure 2. Bottom View of Model 50-1423 Chassis, Showing Parts Placement

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