

# PHILCO RADIO-PHONOGRAPH MODEL 49-1607

(Supplement to Service Manual PR-1558, for Model 49-1606)

## GENERAL INFORMATION

Philco Model 49-1607 is a radio-phonograph combination including a 7-tube superheterodyne. This set uses the same chassis and cabinet as used in Model 49-1606. Model 49-1607 incorporates a Model M-9C automatic record changer; for service information on this changer, refer to Page 511. For service information on the radio, refer to PR-1558, service manual for Model 49-1606.

## SCHEMATIC DIAGRAM

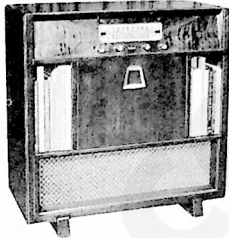
The schematic diagram is the same except for the phono section, which is shown in the accompanying diagram.

## REPLACEMENT PARTS LIST

The replacement parts are the same as those for Models 49-1606-M and 49-1606-L, with the additions listed below.

### MISCELLANEOUS

Knobs .....	54-4376
Phono Parts	
Condenser, blocking, .01 mf. ....	61-0120*
Condenser, blocking, .05 mf. ....	61-0122*
Crystal-pickup cartridge and needle assembly, Philco Special .....	45-9530
Crystal-pickup cartridge, P-30 .....	35-2671-1
Needle, used with P-30 crystal .....	45-1597



**MODEL 49-1607**

### SPECIFICATIONS

CABINET ..... Wood, mahogany or light finish

CIRCUIT ..... 7-tube superheterodyne

FREQUENCY RANGES

Broadcast ..... 540—1620 kc.

FM ..... 88—108 mc.

AUDIO OUTPUT ..... 5 watts

OPERATING VOLTAGE ..... 105—120 volts, 60 cycles, a.c.

POWER CONSUMPTION

Radio ..... 50 watts

Phono ..... 35 watts

AERIALS ..... Semi-high-impedance loop and line-cord FM aerial; also provision for external aerial

INTERMEDIATE FREQUENCY

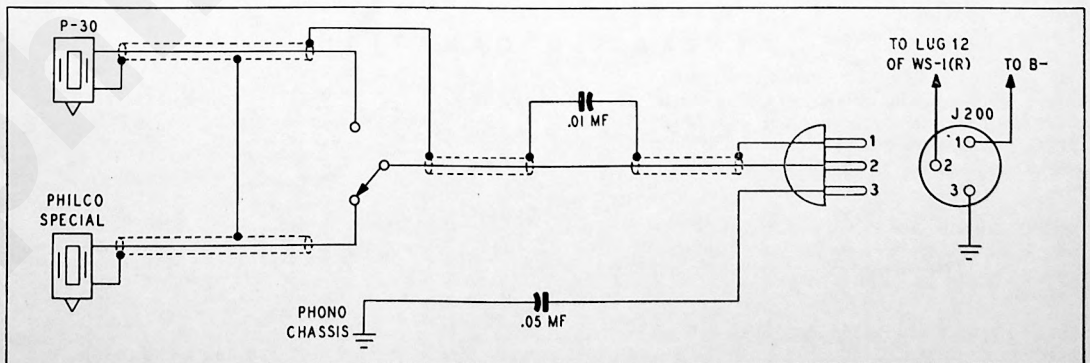
AM ..... 455 kc.

FM ..... 9.1 mc.

PHILCO TUBES  
(7 plus rectifiers) ..... 12AU6, 12A7, 14F8, 6BJ6 (2), 19T8, 50C6G, Selenium rectifier (2)

RECORD CHANGER ..... Model M-9C (for service information, refer to Page 511)

TP-5869B



TP-6907