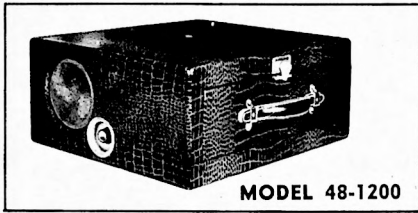


# PHILCO PORTABLE RECORD PLAYER, MODEL 48-1200



## SPECIFICATIONS

CABINET	.....	Portable carrying case, simulated alligator
CIRCUIT	.....	Two-stage audio amplifier
AUDIO OUTPUT	.....	1.5 watts
OPERATING VOLTAGE	.....	117 volts, 60 cycles, a.c.
POWER CONSUMPTION	.....	30 watts
PHILCO TUBES (2)	.....	14B6, 50L6GT
PHONOGRAPH	.....	Philco Automatic Record Player, Model M-7S

TP-3494

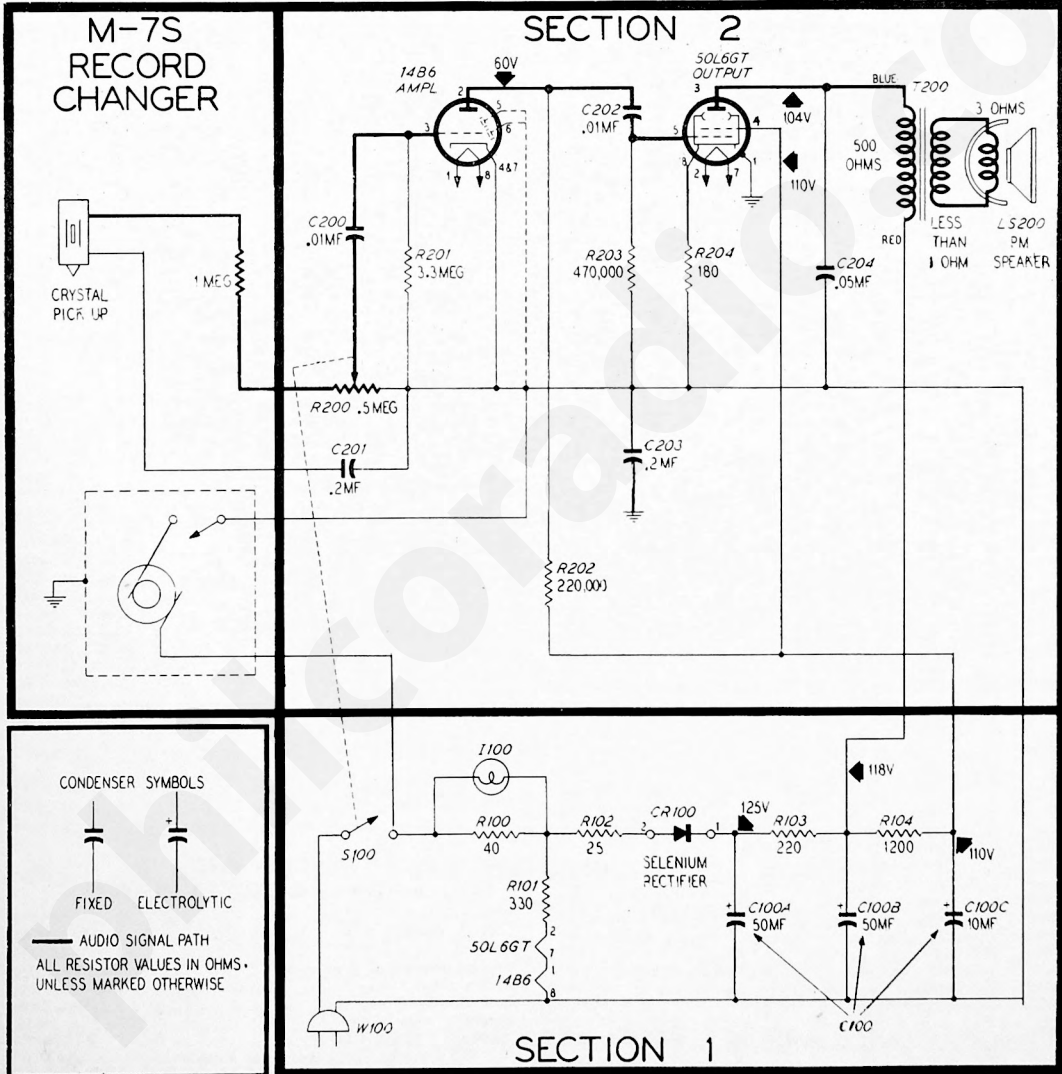


Figure 1. Philco Portable Record Player, Model 48-1200, Schematic Diagram.

# MODEL 48-1200

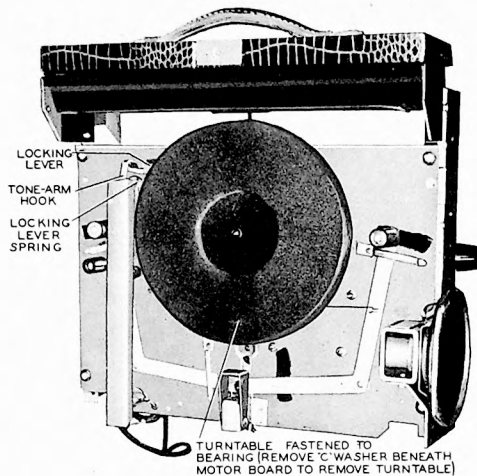


Figure 2. Philco Portable Record Player, Model 48-1200, Top View, Case Removed.

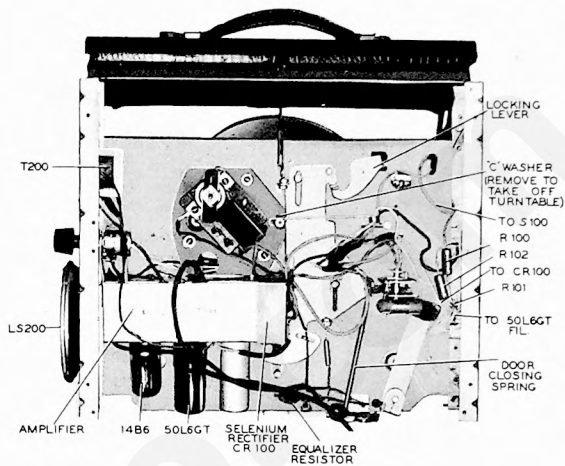


Figure 3. Philco Portable Record Player, Model 48-1200, Bottom View, Case Removed.

## REPLACEMENT PARTS LIST

NOTE: Part numbers marked with an asterisk (\*) are general replacement items. These numbers may not be identical with those on factory assemblies; also, the electrical values of some replacement items may differ from the values indicated in the schematic diagram and parts list. The values substituted in any case are so chosen that the operation of the instrument will be either unchanged or improved. When ordering replacements, use only the "Service Part No."

### SECTION 1

Reference Symbol	Description	Service Part No.
C100	Condenser, electrolytic, three-section	30-2568-16
C100A	Condenser, filter, 50 mf	Part of C100
C100B	Condenser, filter, 50 mf	Part of C100
C100C	Condenser, filter, 10 mf	Part of C100
CR100	Selenium rectifier, 100 ma.	34-8003-1
I100	Pilot lamp	34-2064
R100	Resistor,	
R101	Resistor,	
R102	Resistor,	
R103	Resistor, filter, 220 ohms, 1 watt	66-1224340
R104	Resistor, filter, 1200 ohms, 1/2 watt	66-2123340
S100	Power switch	Part of R200
W100	Line cord and plug	

### SECTION 2

C200	Condenser, d.c blocking, .01 mf	61-0120*
C201	Condenser, by-pass, .2 mf	45-3500-3*
C202	Condenser, d.c blocking, .01 mf	61-0120
C203	Condenser, by-pass, .2 mf	45-3500-3*
C204	Condenser, tone compensation, .05 mf	61-0122
LS200	Loud-speaker	36-1625
R200	Vlume control, .5 megohm	33-5538-20
R201	Resistor, grid return, 3.3 megohms	66-5333340*
R202	Resistor, plate load, 220,000 ohms	66-4223340*
R203	Resistor, grid return, 470,000 ohms	63-4473340*
R204	Resistor, cathode bias, 180 ohms	66-1183340*
T200	Output transformer	32-8310-3

### MISCELLANEOUS

Description	Service Part No.
Cabinet, wood	
Cabinet parts and hardware:	
Backcatch assembly	76-2273-1
Door assembly, wood	16615
Door, metal	56-5001

### MISCELLANEOUS (Cont.)

Description	Service Part No.
Escutcheon	56-4957FJ12
Foot, metal (4)	56-4918
Foot, rubber (4)	54-4377
Hinge, back grille (2)	56-5011
Jewel, indicator	54-4304
Knob, volume control	54-4227-2
Knob, door locking	76-3221FA9
Rail (2)	56-4797FA3
Shaft, door locking	56-4850FA3
Speaker grille	56-4915
Speaker bracket	56-4810FA3
Cable assembly, pickup	41-3735-9
Pilot-light-socket assembly	27-6233-6
Record frame and bracket assembly	76-2468-1
Socket, Loktal	27-6138*
Socket, octal	27-6174

### MODEL M-7S AUTOMATIC RECORD PLAYER

Hook, tone arm	56-5018
Locking lever	56-5017FA3
Motor	35-1338
Resistor, equalizer, 1 megohm	66-5103340*
Spring, door closing	56-5027FA38
Spring, locking lever	56-5020FA38
Turntable assembly	35-2667-1
Washer, "C", turntable retaining	1W42537FA3

The following parts bear the same Part No. as the corresponding part in the M-7, but these parts have been revised for use in the M-7S. When ordering these parts, specify that they are for use in the Model 48-1200 Portable Record Player.

Bracket and pulley assembly	76-2100
Slide lever assembly	76-2101
Tone arm	56-3131

## REVISIONS TO 48-1200 SERVICE MANUAL

Reference Symbol	Description	Service Part No.
<b>Parts List Corrections</b>		
W100	Line cord and plug .....	L-2183
	Cabinet, wood .....	10679A
R100, R101, R102	Resistor, dropping, 3-section (40 ohms, 330 ohms, 25 ohms) .....	33-3435-10

### PRODUCTION CHANGES

#### Run 2

The 3-section resistor containing R100, R101, and R102 was changed to three separate units, as follows:

R100	Resistor, dropping, 40 ohms, 2 watts .....	33-1334-4
R101	Resistor, dropping, 330 ohms, 7.5 watts .....	33-3435-11
R102	Resistor, dropping, 25 ohms, 1 watt .....	66-0274340*

### SERVICE NOTES

1. When replacing by-pass condenser C201, a .05-mf. condenser, Part No. 61-0122\*, should be used.
2. When replacing by-pass condenser C203, a .15-mf. condenser, Part No. 45-3505-48\*, should be used.
3. If the crystal cartridge is replaced by the low-noise crystal, Part No. 35-2671-1, the following changes must be made, to maintain proper tone compensation:
  - a. The .05-mf. tone compensation condenser, C204, should be changed to .03 mf., Part No. 45-3500-1\*.
  - b. The 1-megohm resistor in series with the high side of the crystal should be changed to 300,000 ohms, Part No. 66-4338340\*.
4. In a few units, a substitute 3-section filter condenser of 40 mf., 70 mf., 40 mf., Part No. 30-2568-10, was used for C100. All replacements for this condenser should be as given in the manual, Part No. 30-2568-16.