



Radio Service Bulletin—No. 15

Model 296 and 296-A Radio Phonograph

MODEL 296 IS FOR USE ON 60 CYCLE 110—120 VOLT AC LINES

MODEL 296-A IS FOR USE ON 25 CYCLE 110—120 VOLT AC LINES

The chassis of the 296 and 296-A are the same as the chassis for the 96 and 96-A except for the additional wiring to the radio-phono switch and the electric turntable and pickup.

The tube socket readings, transformer, condenser and resistor data, the filter condenser arrangements, and all other information given in Bulletin No. 14 for Models 96 and 96-A should be used for the 296 and 296-A respectively.

The parts list in Bulletin No. 14 is supplemented with the following which are the additional parts used in the Radio Phonograph.

ADDITIONAL PARTS LIST—MODELS 296 AND 296-A

No. on Fig. 1		Part No.
⑤1	Automatic Stop Switch	4120
⑤2	Motor	4089
⑤3	Pick-up and Tone Arm (Philco)	4100
⑤4	Radio-Phono Switch	4098
⑤5	A. C. Socket	4124
	Turn Table	4090
	Pick-up and Tone Arm (Not Standard)	4144
	Coupling Transformer (Not Standard)	4145

The numbering in Fig. 1 from ① to ⑤0 is the same as the numbering in Figs. 3 and 4 shown in Bulletin No. 14.

No attempt has been made to issue instructions on the repair of the turntable motor. If the motor should become defective, replace with another motor. Don't attempt repair work. Return it to the factory.

The pick-up should be handled in the same way. If it doesn't operate properly,—replace with another and return it to the factory.

The first production models of the 296 and 296-A will use a low impedance type pick-up, Part No. 4144, with a coupling transformer, Part No. 4145. The standard Philco pick-up will not be used for the first few weeks.

Whenever the low impedance type pick-up, Part No. 4144 is used be sure the coupling transformer Part No. 4145 is used also. The transformer, however, must not be used with the standard pick-up.

Grease the worm gear of the motor with a clear petroleum jelly. Add a few drops of clear, thin oil at the oil hole above the bearing. This should be done every six months.