

HIGH-FIDELITY PREAMPLIFIER

(RIAA Equalization)

for use with **Magnetic
Phonograph-Pickup**

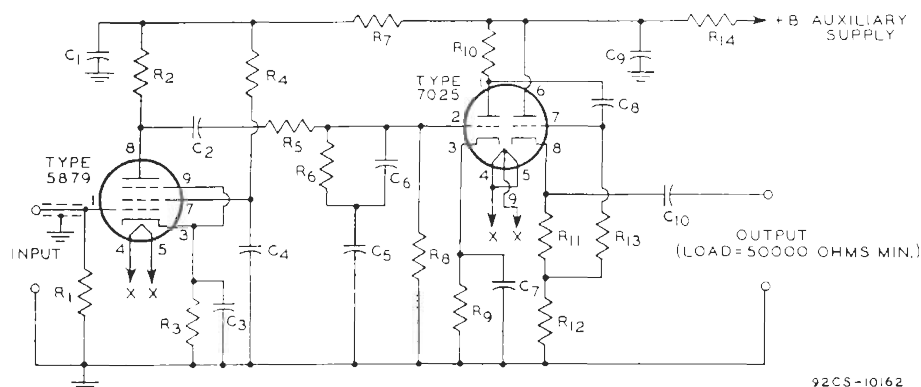


FIGURE 6

PERFORMANCE SPECIFICATIONS:

Sensitivity = 3 millivolts rms for output of 0.54 volt at 1000 cps.

UTILIZING TYPES

RCA-5879

RCA-7025



PARTS LIST

C₁: 40 μ f, 450 volts
 C₂: 0.1 μ f
 C₃: 25 μ f, 25 volts
 C₄: 0.22 μ f
 C₅: 0.02 μ f
 C₆: 0.005 μ f
 C₇: 25 μ f, 25 volts
 C₈: 0.022 μ f
 C₉: 40 μ f, 450 volts
 R₁: Value depends on type of magnetic pickup used.
 Follow pickup manufacturer's recommendations.
 R₂: 100000 ohms
 R₃: 1000 ohms
 R₄, R₅: 0.47 megohm
 R₆: 15000 ohms
 R₇: 22000 ohms
 R₈: 0.68 megohm
 R₉: 1500 ohms
 R₁₀: 100000 ohms
 R₁₁: 1500 ohms
 R₁₂: 15000 ohms
 R₁₃: 0.47 megohm
 R₁₄: 4700 ohms

NOTE:

All resistors 0.5 watt, $\pm 10\%$, unless otherwise specified.
 All capacitors 400 volts, unless otherwise specified.

DC-VOLTAGE MEASUREMENT CHART

TUBE TYPE	PIN NUMBER								
	1	2	3	4	5	6	7	8	9
5879	0	—	+1.8	*	*	—	+75	+95	+1.8
7025	+190	0	+1.3	*	*	+285	+17	+19	*

* This voltage will vary with the type of power amplifier used as follows:
 15-watt amplifier (Fig. 1) +50 volts
 30-watt amplifier (Fig. 2) 0 volts
 50-watt amplifier (Fig. 3) +65 volts

All voltages $\pm 20\%$ measured from pin to ground with a VoltOhmyst
 under the following conditions: Line voltage 117 volts ac, 60 cps;
 no signal input.