

HIGH-FIDELITY PREAMPLIFIER

(RIAA Equalization)

for use with Magnetic Phonograph-Pickup

UTILIZING TYPE
RCA-7025

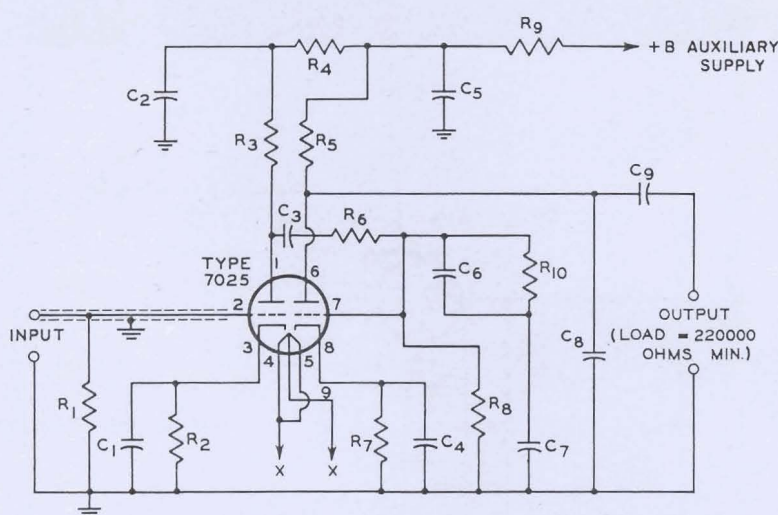


FIGURE 5

PARTS LIST

- C₁: 25 μ f, 25 volts
- C₂: 20 μ f, 450 volts
- C₃: 0.1 μ f
- C₄: 25 μ f, 25 volts
- C₅: 20 μ f, 450 volts
- C₆: 0.0035 μ f
- C₇: 0.01 μ f
- C₈: 180 μ f
- C₉: 0.22 μ f
- R₁: Value depends on type of magnetic pickup used. Follow pickup manufacturer's recommendations.
- R₂: 2700 ohms
- R₃: 0.1 megohm
- R₄: 39000 ohms
- R₅: 0.1 megohm
- R₆: 0.47 megohm
- R₇: 2700 ohms
- R₈: 0.68 megohm
- R₉: 15000 ohms, 1 watt
- R₁₀: 22000 ohms

NOTE:

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

PERFORMANCE SPECIFICATIONS:

Sensitivity = 3 millivolts rms for output of 0.55 volt at frequency of 1000 cps.

DC-VOLTAGE MEASUREMENT CHART

TUBE TYPE	PIN NUMBER								
	1	2	3	4	5	6	7	8	9
7025	+195	0	+1.5	*	*	+210	0	+1.6	*

* 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.