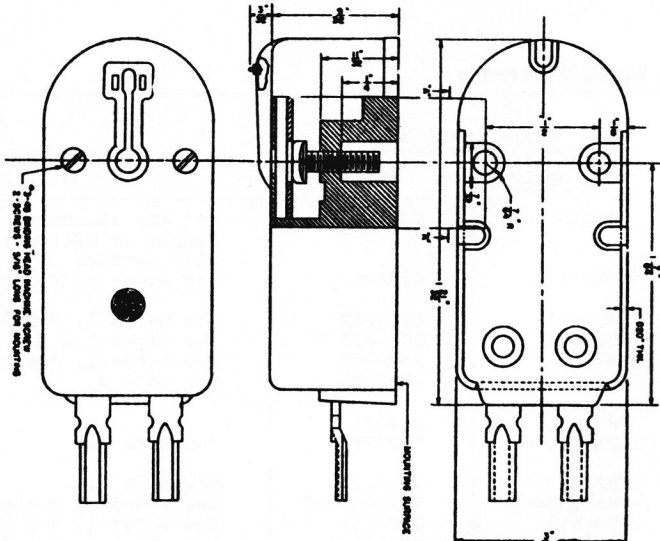


SPECIFICATIONS

**IRM6C, IRM7C
(RPX010)**

SPECIFICATIONS

Resistance (D-C).....	230 ohms
Inductance.....	240 millihenries
Output (average @ 1000 cycles).....	11 millivolts
Needle Pressure.....	¼ ounce to 1¼ ounces
Stylus Radius.....	.003 inch

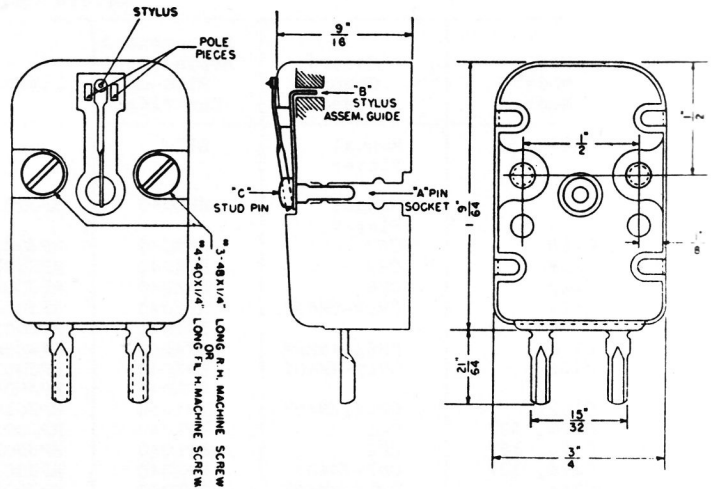


PICKUP OUTLINE DRAWING

**IRM9D-1, IRM9D-6, IRM9D-4
IRM9D-11, (RPX040) (RPX041)**

SPECIFICATIONS

Resistance (D-C).....	360 ohms
Inductance.....	560 millihenries
Output (average @ 1000 cycles).....	13 millivolts
Needle Pressure.....	¼ ounce to 1¼ ounces
Stylus Radius RPX-040 (plain steel stylus arm).....	Sapphire .003 inch
Stylus Radius RPX-035 (brass plated stylus arm).....	Diamond .003 inch
Stylus Radius RPX-036 (copper plated stylus arm).....	Diamond .0035 inch



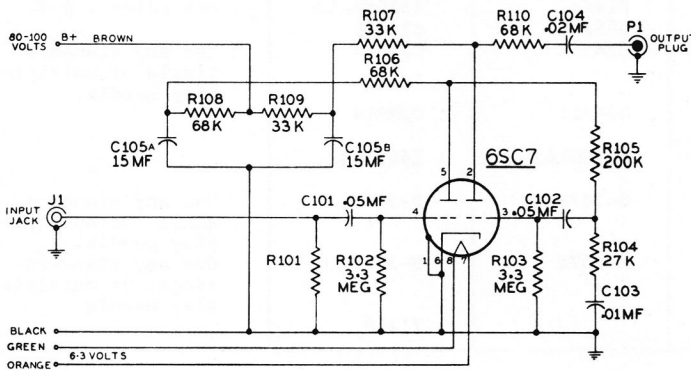
AMPLIFIER DESIGN

For optimum performance the amplifier should be designed for full output with 10 millivolt input. Circuit equalization must be employed to compensate for recording characteristics of the various record manufacturers to obtain the desired frequency response.

For most applications to conventional radio receivers and sound system amplifiers, the General Electric Cat. No. SPX-001 Phono Preamplifier is recommended to provide the required preamplification of the reproducer's low level output and the necessary circuit equalization referred to in the previous paragraph. In the receiver or sound apparatus to be used with these units, *previously employed circuit compensation for phonograph cartridge frequency response must be removed.* A schematic of the General Electric Phono Preamplifier, Cat. No. SPX-001, is shown above.

NOTE: R-101 may be selected in the range of 5000 to 50,000 ohms and added as shown in the schematic diagram. The higher values provide increased high-frequency response but the surface noise will also be increased. For maximum high-frequency response, R-101 may be omitted entirely. The recommended value for general application is 15,000 ohms.

Likewise values of R104 & C103 are only recommended values and may be varied to provide desired frequency response. See Service Notes on sets using these pickups.



TYPICAL PHONO PREAMPLIFIER SCHEMATIC DIAGRAM

SERVICE

To insure optimum performance from the General Electric Variable Reluctance Cartridge its stylus, magnetic pole pieces, and gaps should be cleaned periodically of foreign particles which accumulate from the record surfaces. To clean, first remove the stylus assembly as described above. A soft bristle brush similar to Cat. No. RQB-001 should be used to clean these parts.

The gap clearance between stylus and each of its pole pieces has been adjusted to be not less than .009 inch. To obtain optimum performance from your cartridge, be careful not to disturb this adjustment during assembly or when cleaning the unit.

The following stylus assemblies are available as catalogued below. These assemblies can be interchanged to mount into the pickup cartridges RPX-040, RPX-035, or RPX-036.

- Cat. No. RPJ-001—Replaceable Stylus Assembly (sapphire)
- Cat. No. RPJ-002—Replaceable Stylus Assembly (diamond 2.5 mil)
- Cat. No. RPJ-003—Replaceable Stylus Assembly (diamond 3 mil)

REPLACING STYLUS ASSEMBLY

The replaceable stylus assembly is shown in the darker outline of the pickup drawing.

To remove the stylus assembly, insert a bent paper clip or equivalent tool into the stylus stud pin socket at point "A." Press the assembly out from the cartridge with the tool as shown by the arrow.

To replace the stylus assembly, insert the stud pin into the recess "A," with the locating tab positioned above the locating slot "B" between the two pole pieces. Press assembly in firmly by applying pressure upon the stud pin at point "C" with a blunt tool. Care must be taken to press assembly only at point "C" so as not to damage or distort the stylus arm.

Re-assemble the cartridge into the pickup arm and tighten the mounting screws.

G.B. Elliott.