SOLID STATE PHONO-TAPE STEREO PREAMPLIFIER

The Solid State Stereo Preamplifier is designed for use with Hi-Fi amplifiers without magnetic cartridge or tape head inputs. A RIAA equalization circuit is incorporated for magnetic cartridge input and NARTB equalization for magnetic tape head input. This equalization is changed automatically when switching from PHONO to TAPE.

INSTALLATION

Connect cables from turntable to inputs marked PHONO. Make sure that the right output is connected to terminal marked "R" and the left to "L" Connect output from tape head in the same way as the phono connection except to TAPE input. Both connections can be left on and the change from phono to tape can be made by flioping the switch on the front panel.

Connect the OUTPUT of preamplifier to Hi-Fi power amplifier. Connections should be made to either crystal or ceramic cartridge inputs ONLY.

NOTE: Use shielded jumper cables for all connections. Make all connections as short as possible to prevent hum pick-up and to prevent loss of signal due to capacitance of long cables.

Plug AC line plug into AC outlet. Push switch to "ON" position and your preamplifier is ready for operation.

SPECIFICATIONS:

input impedance: Low impedance up to 70,000 ohms.

Will match all tape heads and magnetic cartridges up to 70,000 ohms.

Power Gain : 45 db (-1 db)

Maximum Output: -11 db. (2.74 V.) with distortion of less than 1%.

Noise Ratio : —45 db. or more Maximum Input : —34 db. (16 mV)

Optimum Input : —45 db. (5 mV)

Frequency Response: 30 to 20,000 cps. Phono-RIAA Playback Curve

Tape-NARTB 7½ ips. Curve

Power Supply : AC 117 V. 50-60 cps.

Power Consumption: 4.2 VA

Transistors : 2SB400 x2, 2SB186 x2

(or equivalents) All low Noise Type

Matching Output Load: 10,000 ohms to 1 meg ohm

Cross Talk : More than 40 db. Size : 6" × 31/4" × 21/8"

