

(j) **Connecting specific makes of pickups.**

Some pickup manufacturers state a value of a resistor to be placed across their pickups. Please do not take this information literally when connecting pickups to the "Point One" pre-amplifier. We have, however, provided two terminals to which a load resistor may be fitted. In general, the fitting of a resistor will lower the high frequency response from magnetic pickups. The resistor should be $\frac{1}{2}$ watt.

Type of pickup	Suggested load resistor (back of pre-amplifier)	How to set input volume control (back of pre-amplifier) and main volume control (on front panel)
Audax (U.S.A.)	None	Set input volume control to maximum ; adjust main control as desired.
G.E. (U.S.A.)	None	As above.
Pickering (U.S.A.)	47,000 ohms	Set main volume control to 4, and adjust input volume control to give music slightly louder than normally required (on L.P. record).
Fairchild moving-coil (U.S.A.) (with transformer)	47,000 ohms	As above.
Leak Dynamic (moving-coil) (with transformer)	None	As above.
Connoisseur, 400 ohms model	3,300 ohms	As above.
Connoisseur 25 ohms (with transformer)	47,000 ohms	As above.
Acos GP.20 (crystal) and similar	None	As above.
Collaro Studio (crystal)	None	As above.
Decca X/M/S Type C (850 ohms)	47,000 ohms	As above.
Type D (4200 ohms)	47,000 ohms	As above.
Decca Micro-Armature (1600 ohms)	47,000 ohms	As above.
Ortophon (Denmark) with transformer	None	As above.

(k) **Operating the controls when playing records.**

The extreme left-hand control is the input selector, which gives you the choice of four playback characteristics. These are the inverse of the record maker's stated recording characteristics. The recording characteristic does not take into account the acoustics of the recording studio, the position of the microphone relative to the artistes, your pickup, your loudspeaker system, the acoustics of your room, and your particular ears! In other words, the playback characteristic is of use only as an approximation, and it is necessary to adjust the final result by using the controls marked "BASS" and "TREBLE."

You are advised to play records as follows :—

BRITISH 78. Switch to "BRITISH 78." Set "BASS" and "TREBLE" to "FLAT." Adjust "VOLUME" to your liking. Adjust "BASS" and "TREBLE" to your liking.

AMERICAN 78. Switch to "NARTB" and proceed as above. If you think that some records sound better when switched to "AES," play them that way.

L.P. If the record-maker's name (or his stated characteristic) appears on the input selector, switch accordingly and proceed as above. But you may well find that you prefer an FFRR record played on another marking!

4. **MOTORS.**

On no account should the turntable motor or any part of the turntable be "earthed" to any part of the pickup wiring. A separate wire should be run from the motor frame to the \downarrow terminal on the TL/10.

The main weakness of modern motors is vibration, this being transmitted to the pickup stylus and appearing in