

5.2 DAMPING SYSTEM

Isolation of motor and tonearm bearing plate from solidborne and vibrational disturbances is achieved by four elastic suspension elements exhibiting two different degrees of vertical and horizontal compliance in accordance with the high mass of the bearing plate (13 Kg.).

For the same purpose, all control buttons are mounted on the stationary portion of the turntable.

5.3 TONE ARM

Tonearm is statically and dynamically balanced on two rotating axes, thereby reducing its sensitivity to external disturbances such as shocks and vibrations to a minimum value.

The hinge special design affords the alignment of the center of gravity also according to the employed pickup cartridge.

Maximum freedom to the pickup cartridge is insured by precision dry ball bearings.

A special counterweight with graduated scale affords the adjustment of the stylus tracking force from 0 to 5 grams, without further charging the hinge bearings with springs or other devices.

Also the counterweight is suspended on special shock absorbers to insure tonearm resonances within the desired value.

A very stable and refined antiskating device, electromagnetically realized, affords the elimination of frictional forces and of unbalancing elements of the tonearm.

A small motor raises and lowers the tonearm in approx 2 sec. This system is autonomous and is activated by pressing the corresponding button positioned on the stationary portion of the chassis.

When turntable is switched on, the tonearm is automatically in "raised" position.