

6. SERVICE

6.1 PICKUP ARM

The pickup arm is statically and dynamically balanced on two rotation axes by means of the counterweight and the possibility of adjusting the center of gravity. This adjustment must be performed only by qualified personnel after loosening screw 174 (see fig. 16, page 25).

The two couples of precision ball-bearings mounted on the hinge vertical and horizontal axes must be accurately clean and oilless in order to insure the utmost freedom to the pickup cartridge.

Rotation axes hubs adjustment must be performed with particular care, to eliminate any clearance or interference.

The skating force arising due to the arm geometry causes the unbalancing on the pressure exerted by the stylus on the groove walls. It is therefore necessary to neutralize this force by means of an antiskating force. Nevertheless the antiskating force must be lower than the staking one in order to avoid that stylus, when lowered on a blank record, is inclined to get out of it, instead of moving toward the center.

The electromagnetic device employed to generate this antiskating force does not cause any mechanical friction at tonearm.

6.1.1 *REMOVAL AND INSTALLATION OF THE PICKUP ARM*

The pickup arm can be removed by taking out the three screws that tighten the supporting plate. One of these screws is situated in the base flange of the bearings.

Before removing completely the arm plate it is necessary to disconnect the audio cable plug, the flat cable plug for LIFT and ASK command as well as the two FASTON terminals of the halogen lamp cables.

Re-installation of the pickup arm is in the reverse of the above procedure.