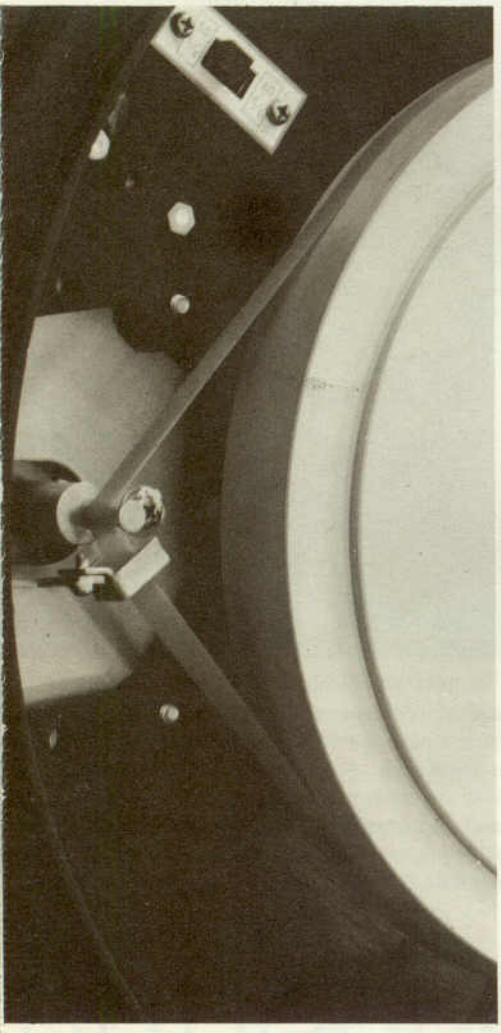
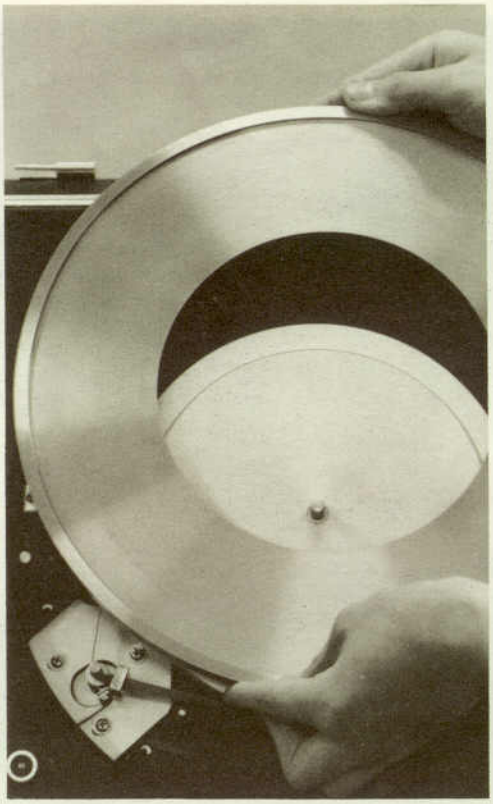
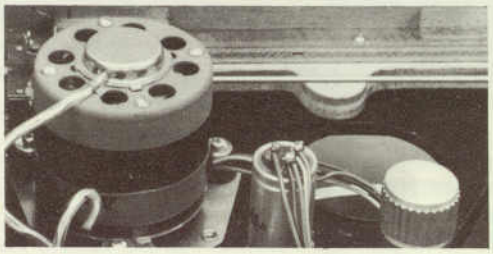
Direct Belt-Drive System Model SR-4040 incorporates Sansui's exclusive direct belt-drive system for speed constancy and accuracy without rumble or wow over longer periods of continuous use. Basically simple, this system features a polyurethane endless belt that loops around the turntable's inner platter and the motor pulley. Unlike most conventional belt-drive systems, this belt is easily removed for replacement. To protect the belt from wear and deformation the turntable is provided with an exclusive belt protection mechanism which automatically locks the belt in place whenever the power switch is turned off. The belt itself, finished by a precision glider, is uniform in thickness down to the micron order and has excellent mechanical and physical properties, aging and abrasion resistance, and is not affected by variations in temperature.





Turntable A unique 2-piece turntable, consisting of a 12-inch in diameter outer platter and an 8-inch in diameter inner platter, assure precise and constant speed through optimum flywheel action. The outer is made of cast zinc base alloy and weighs 5½ pounds; the inner platter of cast alumimum alloy. It weighs slightly over one pound. Both are driven by a belt that loops around the inner platter and are covered by an anti-static rubber mat that fully supports the record without charging it with dust-attracting static electricity.



4-Pole Synchronous Motor SR 4040 is powered by a capacitor-starting 4-pole synchronous motor that show complete compatibility with the turntable's drive system. It maintains a steady, accurate speed and does not require any kind of micrometic adjustment since its speed is not affected by fluctuations in load and/or voltage. The motor is housed in a double vibration-free suspension system which isolates it from the motorboard and cuts out vibrations which might affect sound reprodudtion. The result is a higher signal-to-noise ratio. The motor runs on both 50 and 60 Hz, and voltages of 100 to 120 or 220 to 240 AC.

Center Spindle and Housing Model SR-4040's center spindle is the longest of any turntable in its class (4⅓″). The shaft bearing is lined with expensive gun metal. Together, they provide the kind of precision required to keep the turntable from deflecting, even micrometrically, from a perfectly horizontal position. They also assure that the heavy turntable applies only a minimum of pressure on the spindle's pivot bearing, a device made of stronger-than-metal Teflon for longer life. This bearing is housed in a special oil cup that screws on from the bottom of the spindle shaft making the need for oilings few and far between.