

SANSUI  
MODEL

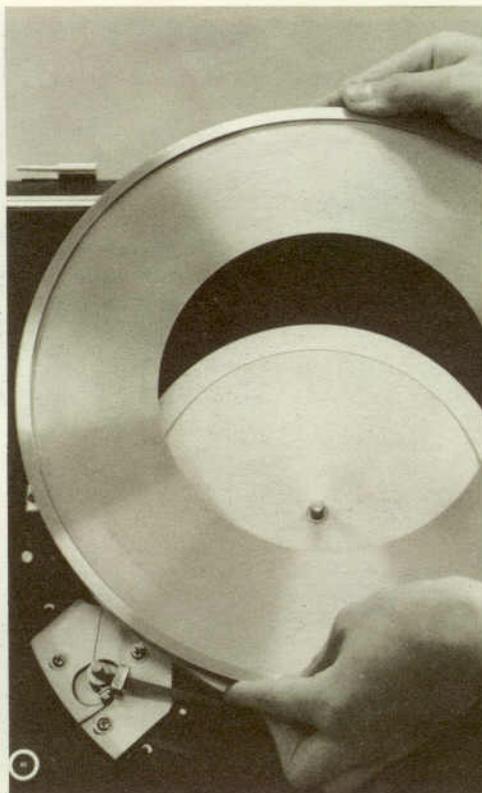
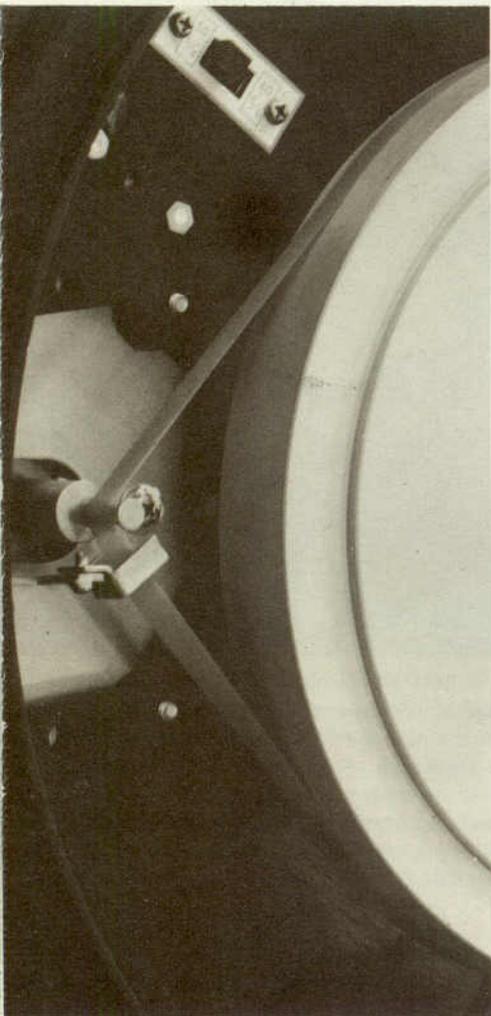
# SR4040



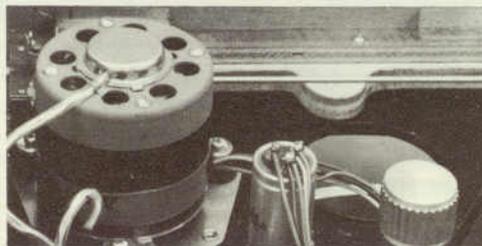
**TWO-SPEED MANUAL TURNTABLE** For the audio enthusiast satisfied with nothing but the highest standards of precision, the SR-4040 follows in the great tradition of Sansui stereo receivers, speaker systems and headphone sets. It imaginatively reflects every facet of Sansui audio know-how with flawless characteristics of wow, flutter, rumble, speed accuracy and constancy. Not a single detail has been overlooked, not a single effort spared in making the SR-4040 the most versatile, durable and precise turntable you could own. From the world's most advanced belt-drive system, a 4-pole synchronous capacitor-starting motor and two-piece platter, the SR-4040 maintains a speed constancy that never wavers more than 0.08%. An integrated low-mass tubular tonearm and a high-compliance moving coil cartridge ensure an unequalled sound uniformity over the SR-4040's entire 15 to 20,000 Hz frequency range. These and scores of other creative engineering features are why, when combined with other Sansui stereo components, the SR-4040 achieves a playback quality beyond the capabilities of any turntable you've ever heard.

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**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.

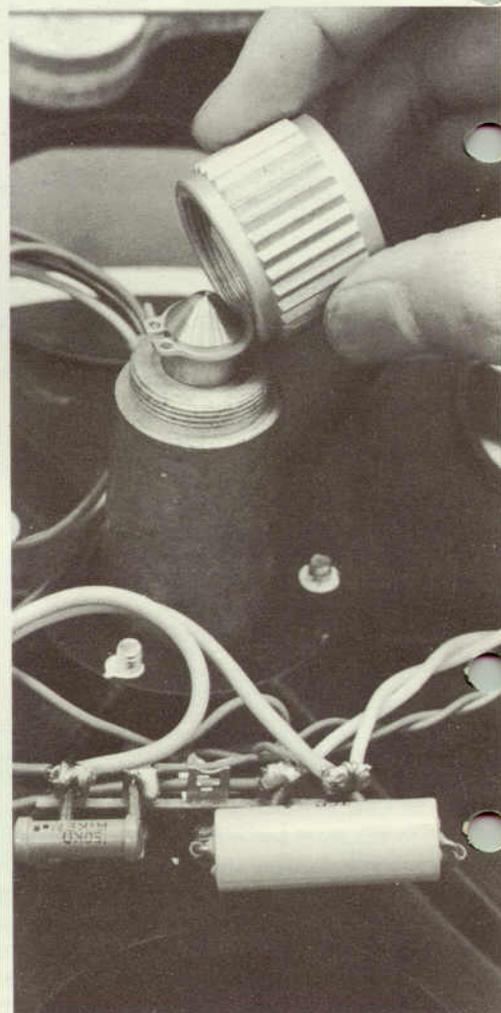


**Turntable** A unique 2-piece turntable, consisting of a 12-inch in diameter outer platter and an 8-inch in diameter inner platter, assure precise and constant speed through optimum flywheel action. The outer is made of cast zinc base alloy and weighs 5½ pounds; the inner platter of cast aluminum alloy. 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.

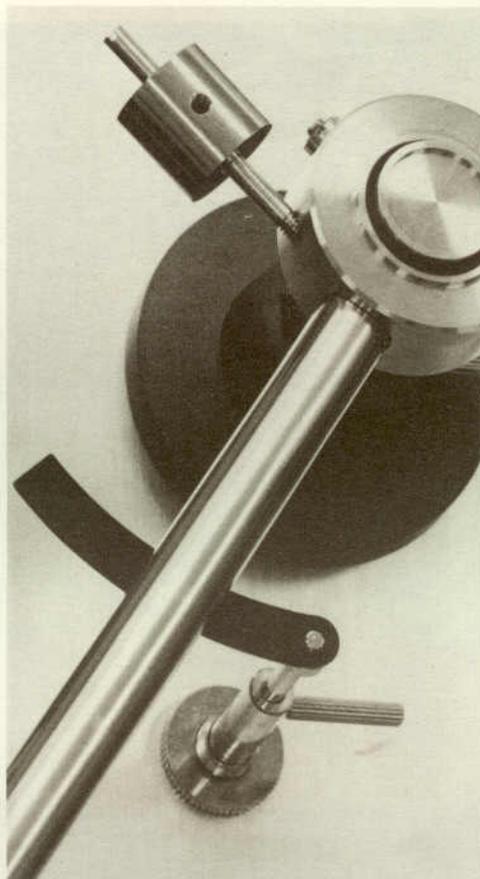


**4-Pole Synchronous Motor** SR 4040 is powered by a capacitor-starting 4-pole synchronous motor that show complete compatibility with the turntable's drive system. It maintains a steady, accurate speed and does not require any kind of micrometric adjustment since its speed is not affected by fluctuations 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 reproduction. 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 (4½"). 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.

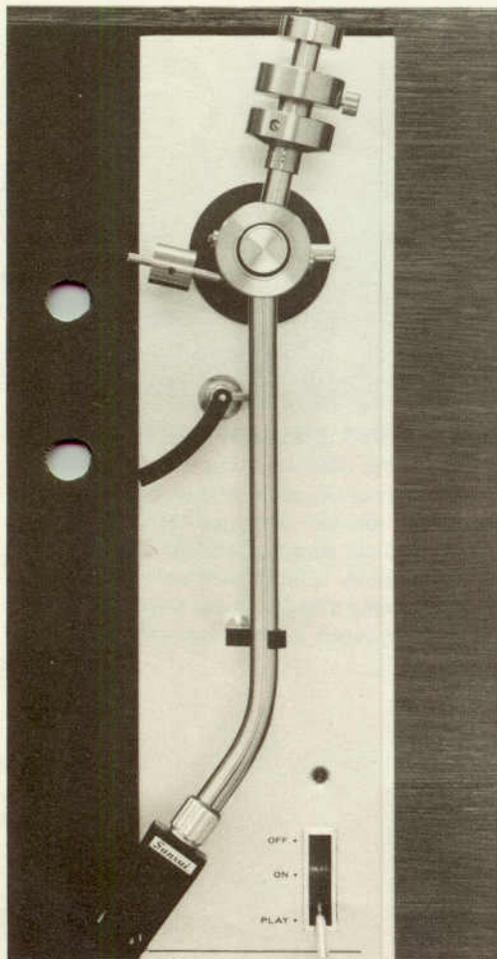
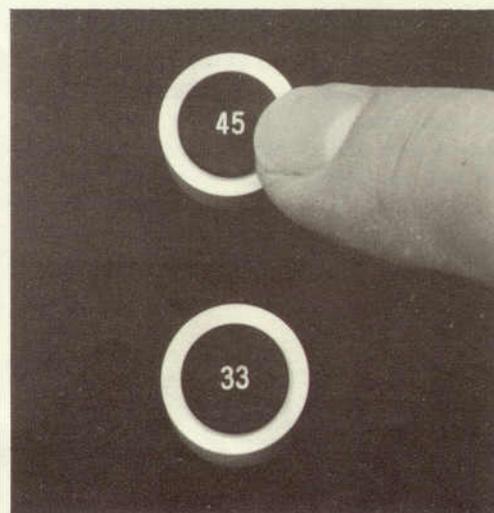
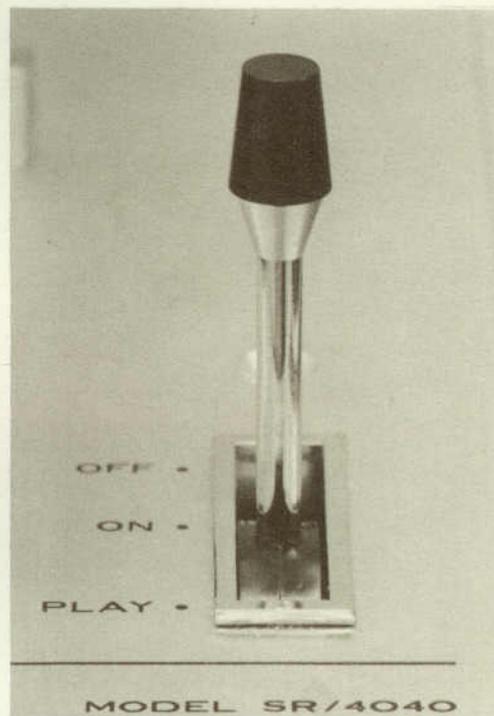


**Tubular Tonearm** The SR-4040 incorporates a non-resonant type tubular tonearm that balances on special pivot points with the aid of miniature precision bearings. This assures featherweight tracking and outstanding sensitivity since weight, frictional resistance and inertia are minimized. The tonearm utilizes two weights for vertical balance: a main weight complete with stylus pressure direct reading scale, and a sub-weight for use with unusually heavy cartridges. The stylus pressure direct reading scale on the main weight is graduated into  $\frac{1}{2}$ -gram making from 0 to 2.5 grams for highly accurate settings. A special lateral anti-skating weight that keeps the tonearm from sliding inward across the record has also been provided. It cancels out any tonearm skating tendency and allows the arm to track accurately and without distortion. Up front, the tonearm is provided with a bayonet fitting for Sansui's lightweight arm shell. This device keeps the shell rigid when attached to avoid resonance, but is easily removable. The shell is made of a special alloy and weighs only 7 grams including leads. Featuring a shell connector made to the European Standard, the arm will accept any make of cartridge. Still another big design feature is that any cartridge used with this shell can be easily adjusted for optimum stylus overhang.



**Hydraulic Cueing** A unique oil damped arm lifter raises and lowers the tonearm at an even, steady speed. Eliminates the chance of accidental damage to records. Protects sensitive cartridge and record grooves. Lets the operator start to play anywhere on the record without worry.

**Controls** Operating the SR-4040 is simplicity itself. One lever controls the On, Off and Play functions. Move the lever from Off to On and the platter begins to revolve. Place the tonearm just above the end of record, and move the lever from On to Play and the oil damped arm lifter gently places the tonearm's cartridge on the record. Speeds are selected by two push buttons, one for  $33\frac{1}{3}$  and one for 45 rpm. These buttons are automatically interlocked when the control lever is Off to protect the belt against warping and deformation. A power lamp above the control meter lights up red when the turntable is turned on. Also provided is an attractive cross-shaped EP adaptor for use with 45 records.

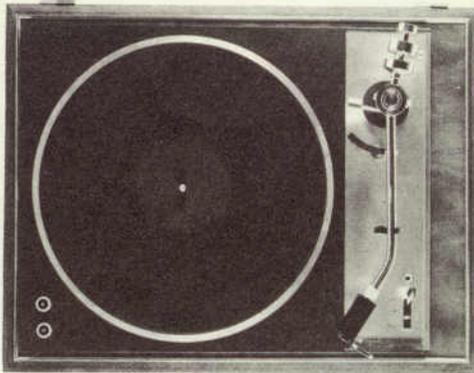


### High Compliance Moving Coil Cartridge

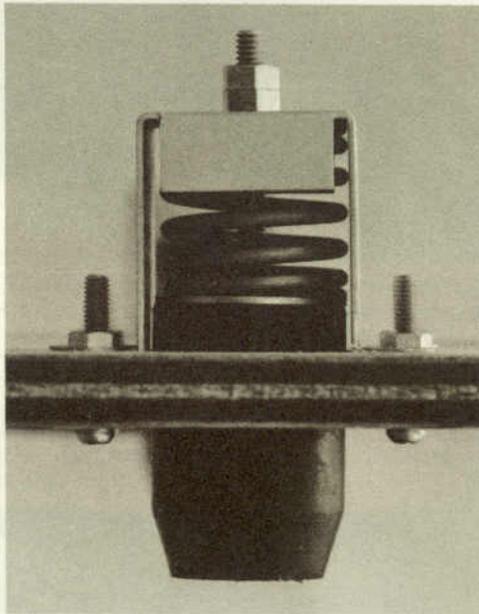
Unlike most conventional moving coil cartridges that are so low in output and cannot be used without boosting, Sansui's SR-4040 cartridge features a built-in boosting transformer so that it can be connected directly to any amplifier. This cartridge incorporates a powerful magnetic circuit and a newly designed moving coil system for the finest in sound reproduction. Complete with diamond stylus and cartridge holder.



**Interchangeable Capstans** The SR-4040 is provided with two capstans, one for operating the turntable at 50 Hz, the other for 60 Hz. Both can be changed in minutes and allow the unit to be used anywhere in the world.



**Styling** From its non-glare cast zinc platter and beautifully curved tonearm, to its rich looking aluminum extruded motorboard and oil-finished walnut base, the SR-4040's handsome appearance keeps pace with its high standards of performance. A molded acrylic dust cover with special removable hinges completes the SR-4040's simple but elegant design.



**Anti-Howling Insulators** The entire unit floats on four specially designed shock-absorbing rubber feet which isolate it from external jarring and vibrations, two common causes of howling. In addition, its cast aluminum motorboard has been rib-reinforced and made sufficiently thick to further eliminate resonance and howling.

### SPECIFICATIONS

**TURNTABLE:** Two-piece platter consisting of a 12"-diameter outer platter of cast zinc base alloy (weight, 5½ lbs) and an 8"-diameter inner platter of cast aluminum alloy (weight, 1½ lbs)

**DRIVE MOTOR:** 4-pole synchronous capacitor-starting motor

**POWER REQUIREMENT:** 100 to 117 or 220 to 240 volts, 50 or 60 Hz, 15VA

**SPEEDS:** 33½ and 45 r.p.m.

**SIGNAL-TO-NOISE RATIO:** Better than 46 dB

**WOW AND FLUTTER:** Less than 0.08%

**SPEED-CHANGE:** Speeds are changed by pushing a speed selector which shifts the belt.

**ONEARM:** Static-balanced type tubular arm

**TRACKING ERROR:** Less than ±1°

**STYLUS PRESSURE:** 0 to 2.5 grams (direct-reading gram-scale with ½-gram markings)

**CARTRIDGE:** Moving-coil cartridge with built-in boosting transformer

**FREQUENCY RESPONSE:** 15 to 20,000 Hz.

**OUTPUT BALANCE:** Less than 1.0 dB

**CHANNEL SEPARATION:** Better than 30dB at 1,000Hz

**OUTPUT VOLTAGE:** 4 mV at 1,000 Hz, 50 mm

**STANDARD LOAD RESISTANCE:** 50 kΩ

**STYLUS PRESSURE:** 1.5 to 2 grams

**STYLUS COMPLIANCE:** 18×10<sup>-6</sup> cm/dyne

**STYLUS:** 0.5 mils diamond, spherical

**ACCESSORY EQUIPMENT:** Oil-damped arm lifter which is controlled by the power switch lever.

Stylus pressure direct-reading counter-weight.

Subweight for compensating the weight of cartridge used. Anti Howling Insulators

Interchangeable plug-in shell

**WOOD BASE:** Walnut open-pore finish

w / molded acrylic dust cover

**DIMENSIONS:** 20¼" wide × 15½" deep × 6¼" high

**WEIGHT:** 24.4 lbs

**Sansui®**